

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF071224 SAS No.: BF071224 SDG No.: BF071224

Instrument ID: BNA_F Calibration Date/Time: 7/12/2024 11:53

Lab File ID: BF138540.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.898	0.862		-4.009	
Pyridine	1.379	1.375		-0.29	
2-Fluorophenol	1.263	1.243		-1.584	
Benzaldehyde	0.899	0.804		-10.567	
Aniline	1.573	1.579		0.381	
Phenol-d6	1.680	1.680		0.0	
Phenol	1.783	1.778		-0.28	20.0
bis(2-Chloroethyl) ether	1.343	1.339		-0.298	
2-Chlorophenol	1.335	1.346		0.824	
1,2-Dichlorobenzene	1.420	1.407		-0.915	
1,3-Dichlorobenzene	1.501	1.509		0.533	
1,4-Dichlorobenzene	1.524	1.510		-0.919	20.0
Benzyl Alcohol	1.261	1.250		-0.872	
2-Methylphenol	1.094	1.085		-0.823	
2,2-oxybis(1-Chloropropane)	2.640	2.517		-4.659	
Acetophenone	0.486	0.470		-3.292	
3+4-Methylphenols	1.378	1.362		-1.161	
n-Nitroso-di-n-propylamine	1.038	1.016	0.050	-2.119	
Nitrobenzene-d5	0.407	0.404		-0.737	
Hexachloroethane	0.560	0.582		3.929	
Nitrobenzene	0.414	0.413		-0.242	
Isophorone	0.700	0.699		-0.143	
2-Nitrophenol	0.177	0.185		4.52	20.0
2,4-Dimethylphenol	0.218	0.215		-1.376	
bis(2-Chloroethoxy) methane	0.418	0.420		0.478	
2,4-Dichlorophenol	0.283	0.284		0.353	20.0
1,2,4-Trichlorobenzene	0.330	0.326		-1.212	
Benzoic acid	0.208	0.212		1.923	
Naphthalene	1.040	1.020		-1.923	
4-Chloroaniline	0.365	0.354		-3.014	
Hexachlorobutadiene	0.203	0.204		0.493	20.0
Caprolactam	0.091	0.089		-2.198	
4-Chloro-3-methylphenol	0.317	0.315		-0.631	20.0
2-Methylnaphthalene	0.669	0.659		-1.495	
Hexachlorocyclopentadiene	0.181	0.170	0.050	-6.077	
2,4,6-Trichlorophenol	0.356	0.356		0.0	20.0
2-Fluorobiphenyl	1.280	1.243		-2.891	
2,4,5-Trichlorophenol	0.391	0.388		-0.767	
1,1-Biphenyl	1.516	1.483		-2.177	

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Lab Code: CHEM Case No.: BF071224 SAS No.: BF071224 SDG No.: BF071224
Instrument ID: BNA_F Calibration Date/Time: 7/12/2024 11:53
Lab File ID: BF138540.D Init. Calib. Date(s): _____
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____
GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.145	1.118		-2.358	
2-Nitroaniline	0.397	0.385		-3.023	
Dimethylphthalate	1.293	1.297		0.309	
Acenaphthylene	1.626	1.594		-1.968	
2,6-Dinitrotoluene	0.298	0.297		-0.336	
3-Nitroaniline	0.305	0.296		-2.951	
Acenaphthene	1.081	1.052		-2.683	20.0
2,4-Dinitrophenol	0.141	0.147	0.050	4.255	
4-Nitrophenol	0.225	0.210	0.050	-6.667	
Dibenzofuran	1.567	1.523		-2.808	
2,4-Dinitrotoluene	0.385	0.392		1.818	
Diethylphthalate	1.247	1.262		1.203	
4-Chlorophenyl-phenylether	0.623	0.615		-1.284	
Fluorene	1.240	1.203		-2.984	
4-Nitroaniline	0.306	0.301		-1.634	
4,6-Dinitro-2-methylphenol	0.115	0.128		11.304	
n-Nitrosodiphenylamine	0.599	0.598		-0.167	20.0
Azobenzene	1.340	1.316		-1.791	
2,4,6-Tribromophenol	0.187	0.187		0.0	
4-Bromophenyl-phenylether	0.206	0.212		2.913	
Hexachlorobenzene	0.228	0.232		1.754	
Atrazine	0.199	0.183		-8.04	
Pentachlorophenol	0.135	0.135		0.0	20.0
Phenanthrene	1.010	0.982		-2.772	
Anthracene	1.003	0.983		-1.994	
Carbazole	0.901	0.866		-3.885	
Di-n-butylphthalate	1.039	1.106		6.449	
Fluoranthene	1.031	0.997		-3.298	20.0
Benzidine	0.505	0.444		-12.079	
Pyrene	2.030	2.035		0.246	
Terphenyl-d14	1.228	1.293		5.293	
Butylbenzylphthalate	0.611	0.697		14.075	
3,3-Dichlorobenzidine	0.346	0.349		0.867	
Benzo(a)anthracene	1.342	1.323		-1.416	
Chrysene	1.270	1.240		-2.362	
Bis(2-ethylhexyl)phthalate	0.651	0.846		29.954	
Di-n-octyl phthalate	1.029	1.328		29.057	20.0
Benzo(b)fluoranthene	1.126	1.099		-2.398	
Benzo(k)fluoranthene	1.099	1.093		-0.546	

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF071224 SAS No.: BF071224 SDG No.: BF071224

Instrument ID: BNA_F Calibration Date/Time: 7/12/2024 11:53

Lab File ID: BF138540.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	0.989	0.977		-1.213	20.0
Indeno(1,2,3-cd)pyrene	1.343	1.294		-3.649	
Dibenzo(a,h)anthracene	1.099	1.075		-2.184	
Benzo(g,h,i)perylene	1.165	1.088		-6.609	
1,2,4,5-Tetrachlorobenzene	0.557	0.549		-1.436	
1,4-Dioxane	0.559	0.556		-0.537	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.316		2.265	
1-Methylnaphthalene	0.653	0.644		-1.378	

All other compounds must meet a minimum RRF of 0.010.



Client:				Date Collected:	7/11/2024 12:00:00 AM	
Project:				Date Received:	7/11/2024 12:00:00 AM	
Client Sample ID:	PB162009BL			SDG No.:	BF071224	
Lab Sample ID:	PB162009BL			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
BF138541.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

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

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	PB162009BL	SDG No.:	BF071224
Lab Sample ID:	PB162009BL	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
BF138541.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

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

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	PB162009BL	SDG No.:	BF071224
Lab Sample ID:	PB162009BL	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
BF138541.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	121.026		18-112		81	SPK: -150
13127-88-3	Phenol-d6	122.191		15-107		81	SPK: -150
4165-60-0	Nitrobenzene-d5	82.252		18-107		82	SPK: -100
321-60-8	2-Fluorobiphenyl	80.913		20-109		81	SPK: -100

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	PB162009BL	SDG No.:	BF071224
Lab Sample ID:	PB162009BL	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
BF138541.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	130.375		10-110		87	SPK: -150
1718-51-0	Terphenyl-d14	89.522		14-112		90	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	128235	6.863				
1146-65-2	Naphthalene-d8	525931	8.145				
15067-26-2	Acenaphthene-d10	305938	9.898				
1517-22-2	Phenanthrene-d10	557460	11.386				
1719-03-5	Chrysene-d12	335199	14.021				
1520-96-3	Perylene-d12	264677	15.486				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	100	J			2.275	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	A			5.122	
031158-91-5	Hexadecanoic acid, 1,1-dimethyleth	130	J			12.786	
000646-13-9	Octadecanoic acid, 2-methylpropyl	95.9	J			13.492	
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	170	J			17.039	

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	PB162009BS	SDG No.:	BF071224
Lab Sample ID:	PB162009BS	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
BF138542.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		86.7	270	330	ug/Kg
110-86-1	Pyridine	1100		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	560		180	270	330	ug/Kg
62-53-3	Aniline	940		96.8	130	170	ug/Kg
108-95-2	Phenol	1500		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	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	1600		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1500		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		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	1400		90.7	130	170	ug/Kg
78-59-1	Isophorone	1500		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1500		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	830		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	PB162009BS	SDG No.:	BF071224
Lab Sample ID:	PB162009BS	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
BF138542.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1400		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		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	1400		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1500		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	960		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1400		81	130	170	ug/Kg
Total PAH	Total PAH	24300		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3100	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2800	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3000		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	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	1400		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	1500		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1300		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	PB162009BS	SDG No.:	BF071224
Lab Sample ID:	PB162009BS	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
BF138542.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2900	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	130	170	ug/Kg
120-12-7	Anthracene	1500		84.3	130	170	ug/Kg
86-74-8	Carbazole	1400		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	130	170	ug/Kg
92-87-5	Benzidine	260	J	160	270	330	ug/Kg
129-00-0	Pyrene	1500		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		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	1500		80.6	130	170	ug/Kg
218-01-9	Chrysene	1600		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	2200		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	1600		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1000		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	128.206		18-112		85	SPK: -150
13127-88-3	Phenol-d6	127.036		15-107		85	SPK: -150
4165-60-0	Nitrobenzene-d5	83.474		18-107		83	SPK: -100
321-60-8	2-Fluorobiphenyl	83.565		20-109		84	SPK: -100

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	PB162009BS	SDG No.:	BF071224
Lab Sample ID:	PB162009BS	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
BF138542.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	130.673		10-110		87	SPK: -150
1718-51-0	Terphenyl-d14	102.739		14-112		103	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	141372	6.869				
1146-65-2	Naphthalene-d8	588732	8.151				
15067-26-2	Acenaphthene-d10	327987	9.904				
1517-22-2	Phenanthrene-d10	561808	11.392				
1719-03-5	Chrysene-d12	263280	14.027				
1520-96-3	Perylene-d12	260791	15.492				



Client:				Date Collected:	7/10/2024 12:00:00 AM	
Project:				Date Received:	7/10/2024 12:00:00 AM	
Client Sample ID:	PB161988BL			SDG No.:	BF071224	
Lab Sample ID:	PB161988BL			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
BF138543.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

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:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	PB161988BL	SDG No.:	BF071224
Lab Sample ID:	PB161988BL	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
BF138543.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

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:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	PB161988BL	SDG No.:	BF071224
Lab Sample ID:	PB161988BL	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
BF138543.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

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	122.038		18-112		81	SPK: -150
13127-88-3	Phenol-d6	122.701		15-107		82	SPK: -150
4165-60-0	Nitrobenzene-d5	82.498		18-107		82	SPK: -100
321-60-8	2-Fluorobiphenyl	80.752		20-109		81	SPK: -100

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	PB161988BL	SDG No.:	BF071224
Lab Sample ID:	PB161988BL	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
BF138543.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	128.211		10-110		85	SPK: -150
1718-51-0	Terphenyl-d14	91.633		14-112		92	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	130832	6.863				
1146-65-2	Naphthalene-d8	535791	8.145				
15067-26-2	Acenaphthene-d10	312492	9.898				
1517-22-2	Phenanthrene-d10	575989	11.386				
1719-03-5	Chrysene-d12	324918	14.021				
1520-96-3	Perylene-d12	257778	15.486				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	95.6	J			2.281	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	A			5.122	
000111-06-8	Hexadecanoic acid, butyl ester	140	J			12.786	
000123-95-5	Octadecanoic acid, butyl ester	100	J			13.492	

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	PB161988BS	SDG No.:	BF071224
Lab Sample ID:	PB161988BS	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
BF138544.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		86.7	270	330	ug/Kg
110-86-1	Pyridine	1000		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	540		180	270	330	ug/Kg
62-53-3	Aniline	890		96.8	130	170	ug/Kg
108-95-2	Phenol	1400		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	1500		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1300		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1300		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1500		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)	1400		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1300		90.7	130	170	ug/Kg
78-59-1	Isophorone	1400		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1500		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		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	1500		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	760		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1300		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	PB161988BS	SDG No.:	BF071224
Lab Sample ID:	PB161988BS	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
BF138544.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1400		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3500	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1300		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1300		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1400		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	940		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1300		81	130	170	ug/Kg
Total PAH	Total PAH	23000		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2900	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2700	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2800		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1400		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.5	130	170	ug/Kg
86-73-7	Fluorene	1400		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1300		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1400		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	1300		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	PB161988BS	SDG No.:	BF071224
Lab Sample ID:	PB161988BS	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
BF138544.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2700	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1400		83.9	130	170	ug/Kg
120-12-7	Anthracene	1400		84.3	130	170	ug/Kg
86-74-8	Carbazole	1300		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1300		81.6	130	170	ug/Kg
92-87-5	Benzidine	350		160	270	330	ug/Kg
129-00-0	Pyrene	1400		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		80.6	130	170	ug/Kg
218-01-9	Chrysene	1400		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		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	1000		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1300		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	122.855		18-112		82	SPK: -150
13127-88-3	Phenol-d6	120.707		15-107		80	SPK: -150
4165-60-0	Nitrobenzene-d5	79.226		18-107		79	SPK: -100
321-60-8	2-Fluorobiphenyl	77.685		20-109		78	SPK: -100

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	PB161988BS	SDG No.:	BF071224
Lab Sample ID:	PB161988BS	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
BF138544.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	122.354		10-110		82	SPK: -150
1718-51-0	Terphenyl-d14	95.822		14-112		96	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	134752	6.869				
1146-65-2	Naphthalene-d8	564116	8.151				
15067-26-2	Acenaphthene-d10	318857	9.904				
1517-22-2	Phenanthrene-d10	551470	11.392				
1719-03-5	Chrysene-d12	258149	14.027				
1520-96-3	Perylene-d12	252487	15.492				

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	FILL-MATERIAL-1	SDG No.:	BF071224
Lab Sample ID:	P3193-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138545.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

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

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	FILL-MATERIAL-1	SDG No.:	BF071224
Lab Sample ID:	P3193-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138545.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	96.1	U	96.1	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	85.8	U	85.8	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	91.3	U	91.3	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.1	U	79.1	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	81.9	U	81.9	140	190	ug/Kg
92-52-4	1,1-Biphenyl	96.8	U	96.8	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.2	U	92.2	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	90.5	U	90.5	140	190	ug/Kg
208-96-8	Acenaphthylene	95.8	U	95.8	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	92.1	U	92.1	140	190	ug/Kg
99-09-2	3-Nitroaniline	98.8	U	98.8	140	190	ug/Kg
83-32-9	Acenaphthene	89.8	U	89.8	140	190	ug/Kg
Total PAH	Total PAH	1464.3	U	1464.3	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	93.4	U	93.4	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	187.5	U	187.5	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.4	U	95.4	140	190	ug/Kg
84-66-2	Diethylphthalate	88.7	U	88.7	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.8	U	94.8	140	190	ug/Kg
86-73-7	Fluorene	94.7	U	94.7	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	90.3	U	90.3	140	190	ug/Kg
103-33-3	Azobenzene	88.1	U	88.1	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	87.4	U	87.4	140	190	ug/Kg
118-74-1	Hexachlorobenzene	94.1	U	94.1	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg



Client:			Date Collected:	7/10/2024 12:00:00 AM	
Project:			Date Received:	7/10/2024 12:00:00 AM	
Client Sample ID:	FILL-MATERIAL-1		SDG No.:	BF071224	
Lab Sample ID:	P3193-02		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	9.8	
Sample Wt/Vol:	30.04	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:	uL		Test:		
Extraction Type :	Decanted :		Level :	LOW	
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138545.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	85.6	U	85.6	300	370	ug/Kg
85-01-8	Phenanthrene	93	U	93	140	190	ug/Kg
120-12-7	Anthracene	93.4	U	93.4	140	190	ug/Kg
86-74-8	Carbazole	88.9	U	88.9	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	93.3	U	93.3	140	190	ug/Kg
206-44-0	Fluoranthene	90.5	U	90.5	140	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	370	ug/Kg
129-00-0	Pyrene	91.9	U	91.9	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	89.3	U	89.3	140	190	ug/Kg
218-01-9	Chrysene	88	U	88	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	89.8	U	89.8	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	91.5	U	91.5	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	86.5	U	86.5	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	89.9	U	89.9	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	88.7	U	88.7	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.1	U	96.1	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	82.7	U	82.7	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	92.1	U	92.1	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	121.111		18-112		81	SPK: -150
13127-88-3	Phenol-d6	122.22		15-107		81	SPK: -150
4165-60-0	Nitrobenzene-d5	82.985		18-107		83	SPK: -100
321-60-8	2-Fluorobiphenyl	87.737		20-109		88	SPK: -100

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	FILL-MATERIAL-1	SDG No.:	BF071224
Lab Sample ID:	P3193-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138545.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	120.103		10-110		80	SPK: -150
1718-51-0	Terphenyl-d14	76.077		14-112		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	78233	6.863				
1146-65-2	Naphthalene-d8	308778	8.145				
15067-26-2	Acenaphthene-d10	167443	9.898				
1517-22-2	Phenanthrene-d10	252116	11.38				
1719-03-5	Chrysene-d12	150288	14.021				
1520-96-3	Perylene-d12	145482	15.486				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3500	J			2.169	
004254-15-3	(S)-(+)-1,2-Propanediol	190	J			3.398	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	290	A			5.092	
000770-35-4	1-Phenoxypropan-2-ol	120	J			8.457	
	unknown9.992	97.4	J			9.992	
000057-10-3	n-Hexadecanoic acid	260	J			11.904	
000630-02-4	Octacosane	120	J			12.498	
007225-64-1	Heptadecane, 9-octyl-	160	J			13.345	
000557-61-9	Octacosanol	320	J			13.868	
1010309-18-1	Sulfurous acid, butyl tetradecyl e	240	J			14.504	
000629-99-2	Pentacosane	180	J			15.004	
000629-78-7	Heptadecane	76.8	J			15.127	
000112-95-8	Eicosane	130	J			15.568	
000629-97-0	Docosane	86.7	J			15.945	
000630-01-3	Hexacosane	120	J			16.209	



Client:				Date Collected:	7/10/2024 12:00:00 AM	
Project:				Date Received:	7/10/2024 12:00:00 AM	
Client Sample ID:	FILL-MATERIAL-1MS			SDG No.:	BF071224	
Lab Sample ID:	P3193-02MS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	9.8	
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
BF138546.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2000		96.2	300	370	ug/Kg
110-86-1	Pyridine	1800		88.5	140	190	ug/Kg
100-52-7	Benzaldehyde	340	J	200	300	370	ug/Kg
62-53-3	Aniline	1900		110	140	190	ug/Kg
108-95-2	Phenol	2100		91.8	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2000		92.7	140	190	ug/Kg
95-57-8	2-Chlorophenol	2100		92.5	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	2000		93.7	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	1900		95.3	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	1900		95.8	140	190	ug/Kg
100-51-6	Benzyl Alcohol	2100		92	300	370	ug/Kg
95-48-7	2-Methylphenol	2100		89.3	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		100	140	190	ug/Kg
98-86-2	Acetophenone	1800		96.3	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	2000		88.4	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2000		44.6	88.6	88.6	ug/Kg
67-72-1	Hexachloroethane	1900		92	140	190	ug/Kg
98-95-3	Nitrobenzene	1900		100	140	190	ug/Kg
78-59-1	Isophorone	2100		93.7	140	190	ug/Kg
88-75-5	2-Nitrophenol	2100		100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	2200		100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2000		95.1	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		83.6	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1900		94.6	140	190	ug/Kg
65-85-0	Benzoic acid	1600		260	300	370	ug/Kg
91-20-3	Naphthalene	1900		91.5	140	190	ug/Kg
106-47-8	4-Chloroaniline	1300		91.5	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	1900		92.3	140	190	ug/Kg



Client:			Date Collected:	7/10/2024 12:00:00 AM			
Project:			Date Received:	7/10/2024 12:00:00 AM			
Client Sample ID:	FILL-MATERIAL-1MS			SDG No.:	BF071224		
Lab Sample ID:	P3193-02MS			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	9.8		
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
BF138546.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1800		96.2	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2000		85.9	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	2000		91.4	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5500	E	170	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2100		79.1	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		82	140	190	ug/Kg
92-52-4	1,1-Biphenyl	1900		96.8	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	2000		92.3	140	190	ug/Kg
88-74-4	2-Nitroaniline	2000		110	140	190	ug/Kg
131-11-3	Dimethylphthalate	2100		90.5	140	190	ug/Kg
208-96-8	Acenaphthylene	2100		95.8	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		92.2	140	190	ug/Kg
99-09-2	3-Nitroaniline	1400		98.8	140	190	ug/Kg
83-32-9	Acenaphthene	2000		89.9	140	190	ug/Kg
Total PAH	Total PAH	30100		1465.1	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	3300	E	270	300	370	ug/Kg
100-02-7	4-Nitrophenol	3300	E	130	300	370	ug/Kg
132-64-9	Dibenzofuran	2000		93.5	140	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		95.5	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3900		187.7	140	380	ug/Kg
84-66-2	Diethylphthalate	2100		88.7	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2000		94.8	140	190	ug/Kg
86-73-7	Fluorene	1900		94.7	140	190	ug/Kg
100-01-6	4-Nitroaniline	1700		120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2300		130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2300		90.4	140	190	ug/Kg
103-33-3	Azobenzene	2000		88.2	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2300		87.4	140	190	ug/Kg
118-74-1	Hexachlorobenzene	2200		94.2	140	190	ug/Kg
1912-24-9	Atrazine	2100		100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	FILL-MATERIAL-1MS	SDG No.:	BF071224
Lab Sample ID:	P3193-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
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
BF138546.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3600	E	85.6	300	370	ug/Kg
85-01-8	Phenanthrene	2100		93.1	140	190	ug/Kg
120-12-7	Anthracene	2100		93.5	140	190	ug/Kg
86-74-8	Carbazole	1800		89	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	2300		93.4	140	190	ug/Kg
206-44-0	Fluoranthene	1700		90.5	140	190	ug/Kg
92-87-5	Benzidine	2400		180	300	370	ug/Kg
129-00-0	Pyrene	1500		92	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	2300		110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2300		110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	2100		89.4	140	190	ug/Kg
218-01-9	Chrysene	2100		88.1	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	3000	E	100	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	3500	E	120	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		89.9	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	2200		91.5	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	2200		100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		86.5	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		90	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		88.7	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		96.2	140	190	ug/Kg
123-91-1	1,4-Dioxane	1600		120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2000		82.8	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	1900		92.2	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	111.215		18-112		74	SPK: -150
13127-88-3	Phenol-d6	113.469		15-107		76	SPK: -150
4165-60-0	Nitrobenzene-d5	76.14		18-107		76	SPK: -100
321-60-8	2-Fluorobiphenyl	79.797		20-109		80	SPK: -100

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	FILL-MATERIAL-1MS	SDG No.:	BF071224
Lab Sample ID:	P3193-02MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
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
BF138546.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	108.912		10-110		73	SPK: -150
1718-51-0	Terphenyl-d14	74.558		14-112		75	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	85651	6.863				
1146-65-2	Naphthalene-d8	348278	8.145				
15067-26-2	Acenaphthene-d10	191419	9.904				
1517-22-2	Phenanthrene-d10	283349	11.386				
1719-03-5	Chrysene-d12	155879	14.022				
1520-96-3	Perylene-d12	170888	15.486				

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	FILL-MATERIAL-1MSD	SDG No.:	BF071224
Lab Sample ID:	P3193-02MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
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
BF138547.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2100		96.2	300	370	ug/Kg
110-86-1	Pyridine	1900		88.5	140	190	ug/Kg
100-52-7	Benzaldehyde	370		200	300	370	ug/Kg
62-53-3	Aniline	2100		110	140	190	ug/Kg
108-95-2	Phenol	2200		91.8	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2200		92.7	140	190	ug/Kg
95-57-8	2-Chlorophenol	2300		92.5	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	2100		93.7	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	2100		95.3	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	2100		95.8	140	190	ug/Kg
100-51-6	Benzyl Alcohol	2300		92	300	370	ug/Kg
95-48-7	2-Methylphenol	2200		89.3	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2100		100	140	190	ug/Kg
98-86-2	Acetophenone	2000		96.3	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	2200		88.4	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2200		44.6	88.6	88.6	ug/Kg
67-72-1	Hexachloroethane	2100		92	140	190	ug/Kg
98-95-3	Nitrobenzene	2100		100	140	190	ug/Kg
78-59-1	Isophorone	2200		93.7	140	190	ug/Kg
88-75-5	2-Nitrophenol	2300		100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	2400		100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2200		95.1	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		83.6	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2100		94.6	140	190	ug/Kg
65-85-0	Benzoic acid	1800		260	300	370	ug/Kg
91-20-3	Naphthalene	2100		91.5	140	190	ug/Kg
106-47-8	4-Chloroaniline	1400		91.5	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	2000		92.3	140	190	ug/Kg



Client:			Date Collected:	7/10/2024 12:00:00 AM	
Project:			Date Received:	7/10/2024 12:00:00 AM	
Client Sample ID:	FILL-MATERIAL-1MSD			SDG No.:	BF071224
Lab Sample ID:	P3193-02MSD			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	9.8
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
BF138547.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	2000		96.2	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2200		85.9	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	2100		91.4	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5600	E	170	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2200		79.1	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2200		82	140	190	ug/Kg
92-52-4	1,1-Biphenyl	2000		96.8	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	2200		92.3	140	190	ug/Kg
88-74-4	2-Nitroaniline	2200		110	140	190	ug/Kg
131-11-3	Dimethylphthalate	2300		90.5	140	190	ug/Kg
208-96-8	Acenaphthylene	2300		95.8	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	2200		92.2	140	190	ug/Kg
99-09-2	3-Nitroaniline	1500		98.8	140	190	ug/Kg
83-32-9	Acenaphthene	2100		89.9	140	190	ug/Kg
Total PAH	Total PAH	32600		1465.1	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	3600	E	270	300	370	ug/Kg
100-02-7	4-Nitrophenol	3600	E	130	300	370	ug/Kg
132-64-9	Dibenzofuran	2200		93.5	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4300		187.7	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		95.5	140	190	ug/Kg
84-66-2	Diethylphthalate	2300		88.7	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2200		94.8	140	190	ug/Kg
86-73-7	Fluorene	2100		94.7	140	190	ug/Kg
100-01-6	4-Nitroaniline	1900		120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2500		130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2500		90.4	140	190	ug/Kg
103-33-3	Azobenzene	2200		88.2	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2500		87.4	140	190	ug/Kg
118-74-1	Hexachlorobenzene	2300		94.2	140	190	ug/Kg
1912-24-9	Atrazine	2300		100	140	190	ug/Kg



Client:			Date Collected:	7/10/2024 12:00:00 AM	
Project:			Date Received:	7/10/2024 12:00:00 AM	
Client Sample ID:	FILL-MATERIAL-1MSD			SDG No.:	BF071224
Lab Sample ID:	P3193-02MSD			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	9.8
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
BF138547.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3900	E	85.6	300	370	ug/Kg
85-01-8	Phenanthrene	2200		93.1	140	190	ug/Kg
120-12-7	Anthracene	2300		93.5	140	190	ug/Kg
86-74-8	Carbazole	2000		89	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	2500		93.4	140	190	ug/Kg
206-44-0	Fluoranthene	1800		90.5	140	190	ug/Kg
92-87-5	Benzidine	2900		180	300	370	ug/Kg
129-00-0	Pyrene	1700		92	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	2400		110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2500		110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	2300		89.4	140	190	ug/Kg
218-01-9	Chrysene	2300		88.1	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	3300	E	100	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	3700	E	120	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	2300		89.9	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	2400		91.5	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	2400		100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		86.5	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		90	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		88.7	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2000		96.2	140	190	ug/Kg
123-91-1	1,4-Dioxane	1700		120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2200		82.8	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	2000		92.2	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	121.209		18-112		81	SPK: -150
13127-88-3	Phenol-d6	122.186		15-107		81	SPK: -150
4165-60-0	Nitrobenzene-d5	82.238		18-107		82	SPK: -100
321-60-8	2-Fluorobiphenyl	86.263		20-109		86	SPK: -100

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	FILL-MATERIAL-1MSD	SDG No.:	BF071224
Lab Sample ID:	P3193-02MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.8
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
BF138547.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	118.946		10-110		79	SPK: -150
1718-51-0	Terphenyl-d14	81.424		14-112		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82481	6.863				
1146-65-2	Naphthalene-d8	332685	8.145				
15067-26-2	Acenaphthene-d10	183527	9.904				
1517-22-2	Phenanthrene-d10	275420	11.386				
1719-03-5	Chrysene-d12	149603	14.027				
1520-96-3	Perylene-d12	160730	15.486				

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	FILL-MATERIAL-2	SDG No.:	BF071224
Lab Sample ID:	P3193-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.3
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
BF138548.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	94.5	U	94.5	290	360	ug/Kg
110-86-1	Pyridine	87	U	87	140	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	290	360	ug/Kg
62-53-3	Aniline	110	U	110	140	190	ug/Kg
108-95-2	Phenol	90.2	U	90.2	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	91.1	U	91.1	140	190	ug/Kg
95-57-8	2-Chlorophenol	90.9	U	90.9	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	92.1	U	92.1	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	93.6	U	93.6	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	94.1	U	94.1	140	190	ug/Kg
100-51-6	Benzyl Alcohol	90.3	U	90.3	290	360	ug/Kg
95-48-7	2-Methylphenol	87.7	U	87.7	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	98.9	U	98.9	140	190	ug/Kg
98-86-2	Acetophenone	94.6	U	94.6	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	86.8	U	86.8	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.9	U	43.9	87.1	87.1	ug/Kg
67-72-1	Hexachloroethane	90.3	U	90.3	140	190	ug/Kg
98-95-3	Nitrobenzene	98.8	U	98.8	140	190	ug/Kg
78-59-1	Isophorone	92.1	U	92.1	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	93.4	U	93.4	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	82.2	U	82.2	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	92.9	U	92.9	140	190	ug/Kg
65-85-0	Benzoic acid	260	U	260	290	360	ug/Kg
91-20-3	Naphthalene	89.9	U	89.9	140	190	ug/Kg
106-47-8	4-Chloroaniline	89.9	U	89.9	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	90.7	U	90.7	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	FILL-MATERIAL-2	SDG No.:	BF071224
Lab Sample ID:	P3193-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.3
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
BF138548.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	94.5	U	94.5	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84.3	U	84.3	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	89.8	U	89.8	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.7	U	77.7	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	80.5	U	80.5	140	190	ug/Kg
92-52-4	1,1-Biphenyl	95.1	U	95.1	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	90.7	U	90.7	140	190	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	190	ug/Kg
131-11-3	Dimethylphthalate	88.9	U	88.9	140	190	ug/Kg
208-96-8	Acenaphthylene	94.1	U	94.1	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	90.5	U	90.5	140	190	ug/Kg
99-09-2	3-Nitroaniline	97.1	U	97.1	140	190	ug/Kg
83-32-9	Acenaphthene	88.3	U	88.3	140	190	ug/Kg
Total PAH	Total PAH	1441	U	1441	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	290	360	ug/Kg
132-64-9	Dibenzofuran	91.9	U	91.9	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	184.3	U	184.3	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	93.8	U	93.8	140	190	ug/Kg
84-66-2	Diethylphthalate	87.2	U	87.2	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	93.2	U	93.2	140	190	ug/Kg
86-73-7	Fluorene	93.1	U	93.1	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.8	U	88.8	140	190	ug/Kg
103-33-3	Azobenzene	86.6	U	86.6	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	85.9	U	85.9	140	190	ug/Kg
118-74-1	Hexachlorobenzene	92.5	U	92.5	140	190	ug/Kg
1912-24-9	Atrazine	99.5	U	99.5	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	FILL-MATERIAL-2	SDG No.:	BF071224
Lab Sample ID:	P3193-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.3
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
BF138548.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	84.1	U	84.1	290	360	ug/Kg
85-01-8	Phenanthrene	91.4	U	91.4	140	190	ug/Kg
120-12-7	Anthracene	91.9	U	91.9	140	190	ug/Kg
86-74-8	Carbazole	87.4	U	87.4	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	91.7	U	91.7	140	190	ug/Kg
206-44-0	Fluoranthene	88.9	U	88.9	140	190	ug/Kg
92-87-5	Benzidine	180	U	180	290	360	ug/Kg
129-00-0	Pyrene	90.3	U	90.3	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	87.8	U	87.8	140	190	ug/Kg
218-01-9	Chrysene	86.5	U	86.5	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	99	U	99	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	88.3	U	88.3	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	89.9	U	89.9	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85	U	85	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	88.4	U	88.4	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	87.2	U	87.2	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.5	U	94.5	140	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	81.3	U	81.3	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	90.5	U	90.5	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	90.186		18-112		60	SPK: -150
13127-88-3	Phenol-d6	89.903		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	61.768		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	64.989		20-109		65	SPK: -100

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	FILL-MATERIAL-2	SDG No.:	BF071224
Lab Sample ID:	P3193-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.3
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
BF138548.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	78.991		10-110		53	SPK: -150
1718-51-0	Terphenyl-d14	56.055		14-112		56	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	87621	6.863				
1146-65-2	Naphthalene-d8	345695	8.145				
15067-26-2	Acenaphthene-d10	190175	9.898				
1517-22-2	Phenanthrene-d10	274675	11.38				
1719-03-5	Chrysene-d12	163872	14.015				
1520-96-3	Perylene-d12	141828	15.48				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2700	J			2.169	
	unknown3.393	89.2	J			3.393	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	A			5.087	
000770-35-4	1-Phenoxypropan-2-ol	91.1	J			8.451	
000057-10-3	n-Hexadecanoic acid	100	J			11.904	
1000351-74-9	Octacosyl trifluoroacetate	230	J			13.863	

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	FILL-MATERIAL-3	SDG No.:	BF071224
Lab Sample ID:	P3193-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138549.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	98.3	U	98.3	310	370	ug/Kg
110-86-1	Pyridine	90.5	U	90.5	150	190	ug/Kg
100-52-7	Benzaldehyde	210	U	210	310	370	ug/Kg
62-53-3	Aniline	110	U	110	150	190	ug/Kg
108-95-2	Phenol	93.8	U	93.8	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	94.8	U	94.8	150	190	ug/Kg
95-57-8	2-Chlorophenol	94.5	U	94.5	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	95.8	U	95.8	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	97.4	U	97.4	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	97.9	U	97.9	150	190	ug/Kg
100-51-6	Benzyl Alcohol	94	U	94	310	370	ug/Kg
95-48-7	2-Methylphenol	91.2	U	91.2	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	150	190	ug/Kg
98-86-2	Acetophenone	98.4	U	98.4	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	90.3	U	90.3	310	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.6	U	45.6	90.6	90.6	ug/Kg
67-72-1	Hexachloroethane	94	U	94	150	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	150	190	ug/Kg
78-59-1	Isophorone	95.8	U	95.8	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	97.1	U	97.1	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	85.5	U	85.5	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	96.7	U	96.7	150	190	ug/Kg
65-85-0	Benzoic acid	270	U	270	310	370	ug/Kg
91-20-3	Naphthalene	93.5	U	93.5	150	190	ug/Kg
106-47-8	4-Chloroaniline	93.5	U	93.5	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	94.3	U	94.3	150	190	ug/Kg



Client:				Date Collected:	7/10/2024 12:00:00 AM	
Project:				Date Received:	7/10/2024 12:00:00 AM	
Client Sample ID:	FILL-MATERIAL-3			SDG No.:	BF071224	
Lab Sample ID:	P3193-06			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	11.9	
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138549.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	98.3	U	98.3	310	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87.7	U	87.7	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	93.4	U	93.4	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	310	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	80.8	U	80.8	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	83.8	U	83.8	150	190	ug/Kg
92-52-4	1,1-Biphenyl	98.9	U	98.9	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	94.3	U	94.3	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	92.5	U	92.5	150	190	ug/Kg
208-96-8	Acenaphthylene	97.9	U	97.9	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	94.2	U	94.2	150	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	150	190	ug/Kg
83-32-9	Acenaphthene	91.8	U	91.8	150	190	ug/Kg
Total PAH	Total PAH	1504.8	U	1504.8	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	310	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	370	ug/Kg
132-64-9	Dibenzofuran	95.5	U	95.5	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	91.8	U	191.8	150	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	97.6	U	97.6	150	190	ug/Kg
84-66-2	Diethylphthalate	90.7	U	90.7	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96.9	U	96.9	150	190	ug/Kg
86-73-7	Fluorene	96.8	U	96.8	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	310	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	92.4	U	92.4	150	190	ug/Kg
103-33-3	Azobenzene	90.1	U	90.1	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	89.3	U	89.3	150	190	ug/Kg
118-74-1	Hexachlorobenzene	96.2	U	96.2	150	190	ug/Kg
1912-24-9	Atrazine	100	U	100	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	FILL-MATERIAL-3	SDG No.:	BF071224
Lab Sample ID:	P3193-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138549.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	87.5	U	87.5	310	370	ug/Kg
85-01-8	Phenanthrene	95.1	U	95.1	150	190	ug/Kg
120-12-7	Anthracene	95.5	U	95.5	150	190	ug/Kg
86-74-8	Carbazole	90.9	U	90.9	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	95.4	U	95.4	150	190	ug/Kg
206-44-0	Fluoranthene	92.5	U	92.5	150	190	ug/Kg
92-87-5	Benzidine	180	U	180	310	370	ug/Kg
129-00-0	Pyrene	94	U	94	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	310	370	ug/Kg
56-55-3	Benzo(a)anthracene	91.4	U	91.4	150	190	ug/Kg
218-01-9	Chrysene	90	U	90	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	310	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	91.8	U	91.8	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	93.5	U	93.5	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	88.4	U	88.4	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	91.9	U	91.9	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	90.7	U	90.7	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.3	U	98.3	150	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	84.6	U	84.6	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	94.2	U	94.2	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	91.881		18-112		61	SPK: -150
13127-88-3	Phenol-d6	91.624		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	62.596		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	66.586		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	FILL-MATERIAL-3	SDG No.:	BF071224
Lab Sample ID:	P3193-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.9
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138549.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	78.841		10-110		53	SPK: -150
1718-51-0	Terphenyl-d14	54.833		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	81015	6.863				
1146-65-2	Naphthalene-d8	323270	8.145				
15067-26-2	Acenaphthene-d10	174890	9.898				
1517-22-2	Phenanthrene-d10	240379	11.38				
1719-03-5	Chrysene-d12	154907	14.015				
1520-96-3	Perylene-d12	139122	15.48				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2900	J			2.169	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	A			5.087	
000770-35-4	1-Phenoxypropan-2-ol	110	J			8.451	
	unknown9.992	81.5	J			9.992	
000057-10-3	n-Hexadecanoic acid	120	J			11.904	
1000309-70-7	Oxalic acid, cyclobutyl heptadecyl	300	J			13.863	
019218-94-1	Tetradecane, 1-iodo-	87.5	J			14.48	
006971-40-0	17-Pentatriacontene	140	J			14.509	
014811-95-1	1,19-Eicosadiene	77.4	J			14.933	
000630-02-4	Octacosane	210	J			15.121	
1000351-83-5	Eicosyl heptafluorobutyrate	180	J			15.174	
007390-81-0	Oxirane, hexadecyl-	88.3	J			15.709	
001560-98-1	Octacosane, 2-methyl-	350	J			15.939	
000638-66-4	Octadecanal	78.9	J			16.739	
000112-95-8	Eicosane	120	J			17.039	

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	CONC-PADS	SDG No.:	BF071224
Lab Sample ID:	P3208-05	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
BF138550.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

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

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	CONC-PADS	SDG No.:	BF071224
Lab Sample ID:	P3208-05	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
BF138550.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

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:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	CONC-PADS	SDG No.:	BF071224
Lab Sample ID:	P3208-05	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
BF138550.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	62.278		10-110		42	SPK: -150
1718-51-0	Terphenyl-d14	59.567		14-112		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	80848	6.863				
1146-65-2	Naphthalene-d8	320552	8.145				
15067-26-2	Acenaphthene-d10	169914	9.898				
1517-22-2	Phenanthrene-d10	242387	11.38				
1719-03-5	Chrysene-d12	151280	14.016				
1520-96-3	Perylene-d12	139969	15.48				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1700	J			2.169	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1200	A			5.093	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	96.6	J			9.334	
000544-76-3	Hexadecane	41.9	J			9.822	
000629-92-5	Nonadecane	52.5	J			10.322	
000629-78-7	Heptadecane	100	J			10.792	
000593-49-7	Heptacosane	56.3	J			11.245	
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	41.5	J			11.275	
000295-65-8	Cyclohexadecane	140	J			13.863	
	unknown16.462	110	J			16.462	

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	CHRT-24849	SDG No.:	BF071224
Lab Sample ID:	P3207-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF138551.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52	U	52	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	77.9	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	77.9	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.2	U	50.2	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	50	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	49.8	U	49.8	160	200	ug/Kg
95-48-7	2-Methylphenol	48.3	U	48.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	77.9	100	ug/Kg
98-86-2	Acetophenone	52.1	U	52.1	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.8	U	47.8	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.2	U	24.2	48	48	ug/Kg
67-72-1	Hexachloroethane	49.8	U	49.8	77.9	100	ug/Kg
98-95-3	Nitrobenzene	54.4	U	54.4	77.9	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	56.6	U	56.6	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.9	U	55.9	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.4	U	51.4	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.3	U	45.3	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	77.9	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.5	U	49.5	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	49.9	U	49.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	CHRT-24849	SDG No.:	BF071224
Lab Sample ID:	P3207-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF138551.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

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	46.5	U	46.5	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.5	U	49.5	77.9	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93.5	U	93.5	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.4	U	44.4	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	49.9	U	49.9	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	56.9	U	56.9	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	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	49.9	U	49.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	77.9	100	ug/Kg
Total PAH	Total PAH	794.2	U	794.2	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.5	U	69.5	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.6	U	101.6	77.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	77.9	100	ug/Kg
84-66-2	Diethylphthalate	48	U	48	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	77.9	100	ug/Kg
86-73-7	Fluorene	51.2	U	51.2	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	64.1	U	64.1	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.1	U	70.1	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48.9	U	48.9	77.9	100	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	50.9	U	50.9	77.9	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	CHRT-24849	SDG No.:	BF071224
Lab Sample ID:	P3207-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF138551.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

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	50.6	U	50.6	77.9	100	ug/Kg
86-74-8	Carbazole	48.1	U	48.1	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.5	U	50.5	77.9	100	ug/Kg
206-44-0	Fluoranthene	49	U	49	77.9	100	ug/Kg
92-87-5	Benzidine	97.7	U	97.7	160	200	ug/Kg
129-00-0	Pyrene	49.8	U	49.8	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	58	U	58	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	48.4	U	48.4	77.9	100	ug/Kg
218-01-9	Chrysene	47.7	U	47.7	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	73.2	J	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	48.7	J	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	48.7	U	48.7	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	U	48	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	52	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	65.9	U	65.9	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.931		18-112		55	SPK: -150
13127-88-3	Phenol-d6	81.636		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	58.879		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	70.326		20-109		70	SPK: -100

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	CHRT-24849	SDG No.:	BF071224
Lab Sample ID:	P3207-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF138551.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	67.016		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	48.289		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	80296	6.863				
1146-65-2	Naphthalene-d8	307518	8.145				
15067-26-2	Acenaphthene-d10	137870	9.898				
1517-22-2	Phenanthrene-d10	158714	11.398				
1719-03-5	Chrysene-d12	158536	14.022				
1520-96-3	Perylene-d12	146432	15.486				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1400	J			2.152	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	96.5	A			5.081	
000719-22-2	2,5-Cyclohexadiene-1,4-dione, 2,6-	87.1	J			9.71	
062338-56-1	Cycloundecane, (1-methylethyl)-	78.5	J			9.769	
062376-17-4	Cyclohexane, 1,2-dimethyl-3-pentyl	120	J			9.81	
	unknown10.310	270	J			10.31	
	unknown14.504	130	J			14.504	



Client:				Date Collected:	7/10/2024 12:00:00 AM	
Project:				Date Received:	7/10/2024 12:00:00 AM	
Client Sample ID:	CHRT-26899			SDG No.:	BF071224	
Lab Sample ID:	P3207-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	80.6	
Sample Wt/Vol:	50.07	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138552.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	270	U	270	830	1000	ug/Kg
110-86-1	Pyridine	250	U	250	400	530	ug/Kg
100-52-7	Benzaldehyde	560	U	560	830	1000	ug/Kg
62-53-3	Aniline	300	U	300	400	530	ug/Kg
108-95-2	Phenol	260	U	260	400	530	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	260	U	260	400	530	ug/Kg
95-57-8	2-Chlorophenol	260	U	260	400	530	ug/Kg
95-50-1	1,2-Dichlorobenzene	260	U	260	400	530	ug/Kg
541-73-1	1,3-Dichlorobenzene	270	U	270	400	530	ug/Kg
106-46-7	1,4-Dichlorobenzene	270	U	270	400	530	ug/Kg
100-51-6	Benzyl Alcohol	260	U	260	830	1000	ug/Kg
95-48-7	2-Methylphenol	250	U	250	400	530	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	280	U	280	400	530	ug/Kg
98-86-2	Acetophenone	270	U	270	400	530	ug/Kg
65794-96-9	3+4-Methylphenols	250	U	250	830	1000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	120	U	120	250	250	ug/Kg
67-72-1	Hexachloroethane	260	U	260	400	530	ug/Kg
98-95-3	Nitrobenzene	280	U	280	400	530	ug/Kg
78-59-1	Isophorone	260	U	260	400	530	ug/Kg
88-75-5	2-Nitrophenol	290	U	290	400	530	ug/Kg
105-67-9	2,4-Dimethylphenol	290	U	290	400	530	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	260	U	260	400	530	ug/Kg
120-83-2	2,4-Dichlorophenol	230	U	230	400	530	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	260	U	260	400	530	ug/Kg
65-85-0	Benzoic acid	730	U	730	830	1000	ug/Kg
91-20-3	Naphthalene	260	U	260	400	530	ug/Kg
106-47-8	4-Chloroaniline	260	U	260	400	530	ug/Kg
87-68-3	Hexachlorobutadiene	260	U	260	400	530	ug/Kg



Client:				Date Collected:	7/10/2024 12:00:00 AM	
Project:				Date Received:	7/10/2024 12:00:00 AM	
Client Sample ID:	CHRT-26899			SDG No.:	BF071224	
Lab Sample ID:	P3207-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	80.6	
Sample Wt/Vol:	50.07	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138552.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	270	U	270	830	1000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	240	U	240	400	530	ug/Kg
91-57-6	2-Methylnaphthalene	250	U	250	400	530	ug/Kg
77-47-4	Hexachlorocyclopentadiene	480	U	480	830	1000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	220	U	220	400	530	ug/Kg
95-95-4	2,4,5-Trichlorophenol	230	U	230	400	530	ug/Kg
92-52-4	1,1-Biphenyl	270	U	270	400	530	ug/Kg
91-58-7	2-Chloronaphthalene	260	U	260	400	530	ug/Kg
88-74-4	2-Nitroaniline	290	U	290	400	530	ug/Kg
131-11-3	Dimethylphthalate	250	U	250	400	530	ug/Kg
208-96-8	Acenaphthylene	270	U	270	400	530	ug/Kg
606-20-2	2,6-Dinitrotoluene	260	U	260	400	530	ug/Kg
99-09-2	3-Nitroaniline	280	U	280	400	530	ug/Kg
83-32-9	Acenaphthene	250	U	250	400	530	ug/Kg
Total PAH	Total PAH	4110	U	4110	400	8480	ug/Kg
51-28-5	2,4-Dinitrophenol	750	U	750	830	1000	ug/Kg
100-02-7	4-Nitrophenol	360	U	360	830	1000	ug/Kg
132-64-9	Dibenzofuran	260	U	260	400	530	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	530	U	530	400	1060	ug/Kg
121-14-2	2,4-Dinitrotoluene	270	U	270	400	530	ug/Kg
84-66-2	Diethylphthalate	250	U	250	400	530	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	260	U	260	400	530	ug/Kg
86-73-7	Fluorene	260	U	260	400	530	ug/Kg
100-01-6	4-Nitroaniline	330	U	330	400	530	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	360	U	360	830	1000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	250	U	250	400	530	ug/Kg
103-33-3	Azobenzene	250	U	250	400	530	ug/Kg
101-55-3	4-Bromophenyl-phenylether	240	U	240	400	530	ug/Kg
118-74-1	Hexachlorobenzene	260	U	260	400	530	ug/Kg
1912-24-9	Atrazine	280	U	280	400	530	ug/Kg

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	CHRT-26899	SDG No.:	BF071224
Lab Sample ID:	P3207-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	80.6
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138552.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	240	U	240	830	1000	ug/Kg
85-01-8	Phenanthrene	260	U	260	400	530	ug/Kg
120-12-7	Anthracene	260	U	260	400	530	ug/Kg
86-74-8	Carbazole	250	U	250	400	530	ug/Kg
84-74-2	Di-n-butylphthalate	260	U	260	400	530	ug/Kg
206-44-0	Fluoranthene	250	U	250	400	530	ug/Kg
92-87-5	Benzidine	500	U	500	830	1000	ug/Kg
129-00-0	Pyrene	260	U	260	400	530	ug/Kg
85-68-7	Butylbenzylphthalate	300	U	300	400	530	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	300	830	1000	ug/Kg
56-55-3	Benzo(a)anthracene	250	U	250	400	530	ug/Kg
218-01-9	Chrysene	250	U	250	400	530	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	280	U	280	400	530	ug/Kg
117-84-0	Di-n-octyl phthalate	340	U	340	830	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	250	U	250	400	530	ug/Kg
207-08-9	Benzo(k)fluoranthene	260	U	260	400	530	ug/Kg
50-32-8	Benzo(a)pyrene	290	U	290	400	530	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	240	U	240	400	530	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	250	U	250	400	530	ug/Kg
191-24-2	Benzo(g,h,i)perylene	250	U	250	400	530	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	270	U	270	400	530	ug/Kg
123-91-1	1,4-Dioxane	340	U	340	400	530	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	230	U	230	400	530	ug/Kg
90-12-0	1-Methylnaphthalene	260	U	260	530	530	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	72.221		18-112		48	SPK: -150
13127-88-3	Phenol-d6	67.823		15-107		45	SPK: -150
4165-60-0	Nitrobenzene-d5	49.87		18-107		50	SPK: -100
321-60-8	2-Fluorobiphenyl	40.299		20-109		40	SPK: -100

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	CHRT-26899	SDG No.:	BF071224
Lab Sample ID:	P3207-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	80.6
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138552.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	65.229		10-110		43	SPK: -150
1718-51-0	Terphenyl-d14	26.143		14-112		26	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	69858	6.863				
1146-65-2	Naphthalene-d8	227570	8.145				
15067-26-2	Acenaphthene-d10	97160	9.916				
1517-22-2	Phenanthrene-d10	110202	11.463				
1719-03-5	Chrysene-d12	152383	14.063				
1520-96-3	Perylene-d12	119440	15.504				
TENTATIVE IDENTIFIED COMPOUNDS							
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	460	J			8.051	
	unknown8.228	570	J			8.228	
	unknown8.528	420	J			8.528	
024139-37-5	1,3,6-Trimethyladamantane	730	J			8.604	
	unknown8.692	1200	J			8.692	
	unknown8.775	1100	J			8.775	
	unknown8.834	960	J			8.834	
	unknown8.887	800	J			8.887	
1000314-55-7	Carbonic acid, 2,2,2-trichloroethy	1100	J			8.922	
	unknown9.028	1200	J			9.028	
	unknown9.104	240	J			9.104	
019780-56-4	Methyl ethyl cyclopentene	410	J			9.139	
017302-32-8	Nonane, 3,7-dimethyl-	290	J			9.169	
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	950	J			9.304	
000581-42-0	Naphthalene, 2,6-dimethyl-	320	J			9.563	
054832-83-6	1H-Indene, octahydro-2,2,4,4,7,7-h	1400	J			9.622	
019780-11-1	2-Dodecen-1-yl(-)succinic anhydrid	1600	J			9.781	
	unknown9.828	2300	J			9.828	
053584-59-1	17.alpha.H-Trisnorhopane	760	J			16.192	

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	CHRT-26899	SDG No.:	BF071224
Lab Sample ID:	P3207-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	80.6
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138552.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
013849-96-2	17.alpha.(H),21.beta.(H)-Hopane	640	J			16.627	

Report of Analysis

Client:				Date Collected:	7/9/2024 12:00:00 AM		
Project:				Date Received:	7/9/2024 12:00:00 AM		
Client Sample ID:	WC-4			SDG No.:	BF071224		
Lab Sample ID:	P3186-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	12		
Sample Wt/Vol:	50.06	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:				Test:			
Extraction Type :	Decanted :			Level :	LOW		
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138553.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	59.1	U	59.1	180	220	ug/Kg
110-86-1	Pyridine	54.4	U	54.4	88.5	120	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	66	U	66	88.5	120	ug/Kg
108-95-2	Phenol	56.5	U	56.5	88.5	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57	U	57	88.5	120	ug/Kg
95-57-8	2-Chlorophenol	56.9	U	56.9	88.5	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.6	U	57.6	88.5	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.6	U	58.6	88.5	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.9	U	58.9	88.5	120	ug/Kg
100-51-6	Benzyl Alcohol	56.5	U	56.5	180	220	ug/Kg
95-48-7	2-Methylphenol	54.9	U	54.9	88.5	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	61.9	U	61.9	88.5	120	ug/Kg
98-86-2	Acetophenone	59.2	U	59.2	88.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	54.3	U	54.3	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.4	U	27.4	54.5	54.5	ug/Kg
67-72-1	Hexachloroethane	56.5	U	56.5	88.5	120	ug/Kg
98-95-3	Nitrobenzene	61.8	U	61.8	88.5	120	ug/Kg
78-59-1	Isophorone	57.6	U	57.6	88.5	120	ug/Kg
88-75-5	2-Nitrophenol	64.4	U	64.4	88.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	63.5	U	63.5	88.5	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.4	U	58.4	88.5	120	ug/Kg
120-83-2	2,4-Dichlorophenol	51.4	U	51.4	88.5	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	58.2	U	58.2	88.5	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	56.3	U	56.3	88.5	120	ug/Kg
106-47-8	4-Chloroaniline	56.3	U	56.3	88.5	120	ug/Kg
87-68-3	Hexachlorobutadiene	56.7	U	56.7	88.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	WC-4	SDG No.:	BF071224
Lab Sample ID:	P3186-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12
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
BF138553.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	59.1	U	59.1	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.8	U	52.8	88.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	56.2	U	56.2	88.5	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.6	U	48.6	88.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50.4	U	50.4	88.5	120	ug/Kg
92-52-4	1,1-Biphenyl	59.5	U	59.5	88.5	120	ug/Kg
91-58-7	2-Chloronaphthalene	56.7	U	56.7	88.5	120	ug/Kg
88-74-4	2-Nitroaniline	64.7	U	64.7	88.5	120	ug/Kg
131-11-3	Dimethylphthalate	55.6	U	55.6	88.5	120	ug/Kg
208-96-8	Acenaphthylene	58.9	U	58.9	88.5	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.7	U	56.7	88.5	120	ug/Kg
99-09-2	3-Nitroaniline	60.7	U	60.7	88.5	120	ug/Kg
83-32-9	Acenaphthene	55.2	U	55.2	88.5	120	ug/Kg
Total PAH	Total PAH	4028.6	U	902.3	88.5	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	180	220	ug/Kg
100-02-7	4-Nitrophenol	79	U	79	180	220	ug/Kg
132-64-9	Dibenzofuran	57.5	U	57.5	88.5	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	15.4	U	115.4	88.5	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.7	U	58.7	88.5	120	ug/Kg
84-66-2	Diethylphthalate	54.5	U	54.5	88.5	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.3	U	58.3	88.5	120	ug/Kg
86-73-7	Fluorene	58.2	U	58.2	88.5	120	ug/Kg
100-01-6	4-Nitroaniline	72.9	U	72.9	88.5	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.7	U	79.7	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.6	U	55.6	88.5	120	ug/Kg
103-33-3	Azobenzene	54.2	U	54.2	88.5	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.7	U	53.7	88.5	120	ug/Kg
118-74-1	Hexachlorobenzene	57.9	U	57.9	88.5	120	ug/Kg
1912-24-9	Atrazine	62.2	U	62.2	88.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	WC-4	SDG No.:	BF071224
Lab Sample ID:	P3186-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12
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
BF138553.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	52.6	U	52.6	180	220	ug/Kg
85-01-8	Phenanthrene	140		57.2	88.5	120	ug/Kg
120-12-7	Anthracene	58.8	J	57.5	88.5	120	ug/Kg
86-74-8	Carbazole	54.7	U	54.7	88.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	57.4	U	57.4	88.5	120	ug/Kg
206-44-0	Fluoranthene	490		55.6	88.5	120	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	330		56.5	88.5	120	ug/Kg
85-68-7	Butylbenzylphthalate	65.9	U	65.9	88.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	67.1	U	67.1	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	310		55	88.5	120	ug/Kg
218-01-9	Chrysene	360		54.1	88.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62	U	62	88.5	120	ug/Kg
117-84-0	Di-n-octyl phthalate	74.9	U	74.9	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		55.2	88.5	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	340		56.3	88.5	120	ug/Kg
50-32-8	Benzo(a)pyrene	560		63.3	88.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190		53.2	88.5	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59.8	J	55.3	88.5	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	190		54.5	88.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59.1	U	59.1	88.5	120	ug/Kg
123-91-1	1,4-Dioxane	74.9	U	74.9	88.5	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.9	U	50.9	88.5	120	ug/Kg
90-12-0	1-Methylnaphthalene	56.7	U	56.7	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	101.75		18-112		68	SPK: -150
13127-88-3	Phenol-d6	101.502		15-107		68	SPK: -150
4165-60-0	Nitrobenzene-d5	70.637		18-107		71	SPK: -100
321-60-8	2-Fluorobiphenyl	72.498		20-109		72	SPK: -100

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	WC-4	SDG No.:	BF071224
Lab Sample ID:	P3186-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12
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
BF138553.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	84.971		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	51.703		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	88399	6.863				
1146-65-2	Naphthalene-d8	339793	8.145				
15067-26-2	Acenaphthene-d10	172145	9.898				
1517-22-2	Phenanthrene-d10	219057	11.38				
1719-03-5	Chrysene-d12	168713	14.021				
1520-96-3	Perylene-d12	137046	15.486				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1700	J			2.163	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	A			5.087	
	unknown9.992	83.5	J			9.992	
	unknown10.810	59.7	J			10.81	
000057-10-3	n-Hexadecanoic acid	180	J			11.904	
000203-64-5	4H-Cyclopenta[def]phenanthrene	60.4	J			11.992	
005737-13-3	Cyclopenta(def)phenanthrenone	54	J			12.516	
	unknown12.686	57.4	J			12.686	
002381-21-7	Pyrene, 1-methyl-	56.5	J			13.133	
027208-37-3	Cyclopenta[cd]pyrene	84	J			13.822	
002136-70-1	Ethanol, 2-(tetradecyloxy)-	150	J			13.863	
001705-84-6	Triphenylene, 2-methyl-	63.8	J			14.404	
050861-05-7	9H-Cyclopenta[a]pyrene	120	J			14.498	
001120-16-7	Dodecanamide	75.4	J			14.769	
	unknown14.963	57.4	J			14.963	
000205-82-3	Benzo[j]fluoranthene	150	J			15.163	
000192-97-2	Benzo[e]pyrene	440	J			15.363	
1010326-84-0	9-(1H-Indol-3-yl)acridine	150	J			17.009	
	unknown18.551	65.4	J			18.551	

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	WC-4	SDG No.:	BF071224
Lab Sample ID:	P3186-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12
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
BF138553.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown18.698	92.8	J			18.698	

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	RBR2520700	SDG No.:	BF071224
Lab Sample ID:	P3207-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19
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
BF138554.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	64.3	U	64.3	200	240	ug/Kg
110-86-1	Pyridine	59.1	U	59.1	96.2	130	ug/Kg
100-52-7	Benzaldehyde	130	U	130	200	240	ug/Kg
62-53-3	Aniline	71.7	U	71.7	96.2	130	ug/Kg
108-95-2	Phenol	61.4	U	61.4	96.2	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	62	U	62	96.2	130	ug/Kg
95-57-8	2-Chlorophenol	61.8	U	61.8	96.2	130	ug/Kg
95-50-1	1,2-Dichlorobenzene	62.6	U	62.6	96.2	130	ug/Kg
541-73-1	1,3-Dichlorobenzene	63.7	U	63.7	96.2	130	ug/Kg
106-46-7	1,4-Dichlorobenzene	64	U	64	96.2	130	ug/Kg
100-51-6	Benzyl Alcohol	61.4	U	61.4	200	240	ug/Kg
95-48-7	2-Methylphenol	59.7	U	59.7	96.2	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	67.3	U	67.3	96.2	130	ug/Kg
98-86-2	Acetophenone	64.3	U	64.3	96.2	130	ug/Kg
65794-96-9	3+4-Methylphenols	240		59.1	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	29.8	U	29.8	59.2	59.2	ug/Kg
67-72-1	Hexachloroethane	61.4	U	61.4	96.2	130	ug/Kg
98-95-3	Nitrobenzene	67.2	U	67.2	96.2	130	ug/Kg
78-59-1	Isophorone	62.6	U	62.6	96.2	130	ug/Kg
88-75-5	2-Nitrophenol	70	U	70	96.2	130	ug/Kg
105-67-9	2,4-Dimethylphenol	69	U	69	96.2	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	63.5	U	63.5	96.2	130	ug/Kg
120-83-2	2,4-Dichlorophenol	55.9	U	55.9	96.2	130	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	63.2	U	63.2	96.2	130	ug/Kg
65-85-0	Benzoic acid	180	U	180	200	240	ug/Kg
91-20-3	Naphthalene	61.1	U	61.1	96.2	130	ug/Kg
106-47-8	4-Chloroaniline	61.1	U	61.1	96.2	130	ug/Kg
87-68-3	Hexachlorobutadiene	61.7	U	61.7	96.2	130	ug/Kg

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	RBR2520700	SDG No.:	BF071224
Lab Sample ID:	P3207-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19
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
BF138554.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	64.3	U	64.3	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	57.4	U	57.4	96.2	130	ug/Kg
91-57-6	2-Methylnaphthalene	61.1	U	61.1	96.2	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52.9	U	52.9	96.2	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	54.8	U	54.8	96.2	130	ug/Kg
92-52-4	1,1-Biphenyl	64.7	U	64.7	96.2	130	ug/Kg
91-58-7	2-Chloronaphthalene	61.7	U	61.7	96.2	130	ug/Kg
88-74-4	2-Nitroaniline	70.3	U	70.3	96.2	130	ug/Kg
131-11-3	Dimethylphthalate	60.5	U	60.5	96.2	130	ug/Kg
208-96-8	Acenaphthylene	64	U	64	96.2	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	61.6	U	61.6	96.2	130	ug/Kg
99-09-2	3-Nitroaniline	66	U	66	96.2	130	ug/Kg
83-32-9	Acenaphthene	60	U	60	96.2	130	ug/Kg
Total PAH	Total PAH	980.7	U	980.7	96.2	2080	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	200	240	ug/Kg
100-02-7	4-Nitrophenol	85.9	U	85.9	200	240	ug/Kg
132-64-9	Dibenzofuran	62.5	U	62.5	96.2	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	63.8	U	63.8	96.2	130	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	125.4	U	125.4	96.2	260	ug/Kg
84-66-2	Diethylphthalate	59.3	U	59.3	96.2	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	63.4	U	63.4	96.2	130	ug/Kg
86-73-7	Fluorene	63.3	U	63.3	96.2	130	ug/Kg
100-01-6	4-Nitroaniline	79.2	U	79.2	96.2	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	86.6	U	86.6	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	60.4	U	60.4	96.2	130	ug/Kg
103-33-3	Azobenzene	58.9	U	58.9	96.2	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58.4	U	58.4	96.2	130	ug/Kg
118-74-1	Hexachlorobenzene	62.9	U	62.9	96.2	130	ug/Kg
1912-24-9	Atrazine	67.7	U	67.7	96.2	130	ug/Kg

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	RBR2520700	SDG No.:	BF071224
Lab Sample ID:	P3207-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19
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
BF138554.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	57.2	U	57.2	200	240	ug/Kg
85-01-8	Phenanthrene	91.3	J	62.2	96.2	130	ug/Kg
120-12-7	Anthracene	62.5	U	62.5	96.2	130	ug/Kg
86-74-8	Carbazole	59.4	U	59.4	96.2	130	ug/Kg
84-74-2	Di-n-butylphthalate	62.4	U	62.4	96.2	130	ug/Kg
206-44-0	Fluoranthene	210		60.5	96.2	130	ug/Kg
92-87-5	Benzidine	120	U	120	200	240	ug/Kg
129-00-0	Pyrene	100	J	61.4	96.2	130	ug/Kg
85-68-7	Butylbenzylphthalate	71.7	U	71.7	96.2	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	73	U	73	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	100	J	59.7	96.2	130	ug/Kg
218-01-9	Chrysene	100	J	58.9	96.2	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	67.4	U	67.4	96.2	130	ug/Kg
117-84-0	Di-n-octyl phthalate	81.4	U	81.4	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	170		60	96.2	130	ug/Kg
207-08-9	Benzo(k)fluoranthene	61.1	U	61.1	96.2	130	ug/Kg
50-32-8	Benzo(a)pyrene	110	J	68.8	96.2	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	57.8	U	57.8	96.2	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	60.1	U	60.1	96.2	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	59.3	U	59.3	96.2	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	64.3	U	64.3	96.2	130	ug/Kg
123-91-1	1,4-Dioxane	81.4	U	81.4	96.2	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	55.3	U	55.3	96.2	130	ug/Kg
90-12-0	1-Methylnaphthalene	61.6	U	61.6	130	130	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.618		18-112		56	SPK: -150
13127-88-3	Phenol-d6	82.428		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	59.522		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	69.971		20-109		70	SPK: -100

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	RBR2520700	SDG No.:	BF071224
Lab Sample ID:	P3207-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19
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
BF138554.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	70.852		10-110		47	SPK: -150
1718-51-0	Terphenyl-d14	46.532		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	86718	6.863				
1146-65-2	Naphthalene-d8	319095	8.145				
15067-26-2	Acenaphthene-d10	141938	9.898				
1517-22-2	Phenanthrene-d10	176717	11.386				
1719-03-5	Chrysene-d12	174775	14.021				
1520-96-3	Perylene-d12	137625	15.486				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1700	J			2.157	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	A			5.087	
000501-52-0	Hydrocinnamic acid	130	J			8.928	
019780-56-4	Methyl ethyl cyclopentene	92	J			9.133	
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	250	J			9.292	
	unknown9.604	560	J			9.604	
054832-83-6	1H-Indene, octahydro-2,2,4,4,7,7-h	140	J			9.663	
	unknown9.763	440	J			9.763	
	unknown9.786	91.3	J			9.786	
	unknown9.810	650	J			9.81	
	unknown9.845	170	J			9.845	
	unknown10.157	180	J			10.157	
	unknown10.216	120	J			10.216	
000105-85-1	6-Octen-1-ol, 3,7-dimethyl-, forma	200	J			10.233	
	unknown10.269	240	J			10.269	
	unknown10.304	660	J			10.304	
	unknown10.363	140	J			10.363	
006975-98-0	Decane, 2-methyl-	480	J			10.816	
000296-56-0	Cycloeicosane	200	J			13.863	

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	RBR2520700	SDG No.:	BF071224
Lab Sample ID:	P3207-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19
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
BF138554.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000629-94-7	Heneicosane	89.8	J			15.939	

Report of Analysis

Client:				Date Collected:	7/9/2024 12:00:00 AM		
Project:				Date Received:	7/9/2024 12:00:00 AM		
Client Sample ID:	N28660			SDG No.:	BF071224		
Lab Sample ID:	P3183-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	60.6		
Sample Wt/Vol:	50.09	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138555.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	130	U	130	410	500	ug/Kg
110-86-1	Pyridine	120	U	120	200	260	ug/Kg
100-52-7	Benzaldehyde	280	U	280	410	500	ug/Kg
62-53-3	Aniline	150	U	150	200	260	ug/Kg
108-95-2	Phenol	130	U	130	200	260	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	200	260	ug/Kg
95-57-8	2-Chlorophenol	130	U	130	200	260	ug/Kg
95-50-1	1,2-Dichlorobenzene	130	U	130	200	260	ug/Kg
541-73-1	1,3-Dichlorobenzene	130	U	130	200	260	ug/Kg
106-46-7	1,4-Dichlorobenzene	130	U	130	200	260	ug/Kg
100-51-6	Benzyl Alcohol	130	U	130	410	500	ug/Kg
95-48-7	2-Methylphenol	120	U	120	200	260	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	140	200	260	ug/Kg
98-86-2	Acetophenone	130	U	130	200	260	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	410	500	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	61.3	U	61.3	120	120	ug/Kg
67-72-1	Hexachloroethane	130	U	130	200	260	ug/Kg
98-95-3	Nitrobenzene	140	U	140	200	260	ug/Kg
78-59-1	Isophorone	130	U	130	200	260	ug/Kg
88-75-5	2-Nitrophenol	140	U	140	200	260	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	200	260	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	200	260	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	200	260	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	130	U	130	200	260	ug/Kg
65-85-0	Benzoic acid	360	U	360	410	500	ug/Kg
91-20-3	Naphthalene	130	U	130	200	260	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	200	260	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	130	200	260	ug/Kg

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	N28660	SDG No.:	BF071224
Lab Sample ID:	P3183-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	60.6
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
BF138555.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	130	U	130	410	500	ug/Kg
59-50-7	4-Chloro-3-methylphenol	120	U	120	200	260	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	130	200	260	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	U	240	410	500	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	200	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	200	260	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	200	260	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	130	200	260	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	200	260	ug/Kg
131-11-3	Dimethylphthalate	120	U	120	200	260	ug/Kg
208-96-8	Acenaphthylene	130	U	130	200	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	130	200	260	ug/Kg
99-09-2	3-Nitroaniline	140	U	140	200	260	ug/Kg
83-32-9	Acenaphthene	120	U	120	200	260	ug/Kg
Total PAH	Total PAH	2010	U	2010	200	4160	ug/Kg
51-28-5	2,4-Dinitrophenol	370	U	370	410	500	ug/Kg
100-02-7	4-Nitrophenol	180	U	180	410	500	ug/Kg
132-64-9	Dibenzofuran	130	U	130	200	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	200	260	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	260	U	260	200	520	ug/Kg
84-66-2	Diethylphthalate	120	U	120	200	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	130	200	260	ug/Kg
86-73-7	Fluorene	130	U	130	200	260	ug/Kg
100-01-6	4-Nitroaniline	160	U	160	200	260	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	U	180	410	500	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	200	260	ug/Kg
103-33-3	Azobenzene	120	U	120	200	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	200	260	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	200	260	ug/Kg
1912-24-9	Atrazine	140	U	140	200	260	ug/Kg

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	N28660	SDG No.:	BF071224
Lab Sample ID:	P3183-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	60.6
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
BF138555.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	120	U	120	410	500	ug/Kg
85-01-8	Phenanthrene	130	J	130	200	260	ug/Kg
120-12-7	Anthracene	130	U	130	200	260	ug/Kg
86-74-8	Carbazole	120	U	120	200	260	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	200	260	ug/Kg
206-44-0	Fluoranthene	120	U	120	200	260	ug/Kg
92-87-5	Benzidine	250	U	250	410	500	ug/Kg
129-00-0	Pyrene	130	U	130	200	260	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	150	200	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	150	U	150	410	500	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	200	260	ug/Kg
218-01-9	Chrysene	120	U	120	200	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	200	260	ug/Kg
117-84-0	Di-n-octyl phthalate	170	U	170	410	500	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	U	120	200	260	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	U	130	200	260	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	140	200	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	200	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	200	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	U	120	200	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	200	260	ug/Kg
123-91-1	1,4-Dioxane	170	U	170	200	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	200	260	ug/Kg
90-12-0	1-Methylnaphthalene	130	U	130	260	260	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	78.944		18-112		53	SPK: -150
13127-88-3	Phenol-d6	74.044		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	52.476		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	55.603		20-109		56	SPK: -100

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	N28660	SDG No.:	BF071224
Lab Sample ID:	P3183-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	60.6
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
BF138555.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	73.015		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	175.278	*	14-112		175	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	67151	6.863				
1146-65-2	Naphthalene-d8	231316	8.146				
15067-26-2	Acenaphthene-d10	112365	9.899				
1517-22-2	Phenanthrene-d10	188919	11.387				
1719-03-5	Chrysene-d12	20426	14.01				
1520-96-3	Perylene-d12	90856	15.569				
TENTATIVE IDENTIFIED COMPOUNDS							
1000293-29-1	2-Azido-2,4,4,6,6,8,8-heptamethyln	1300	J			9.41	
054814-64-1	2H-Pyran-2-one, 5,6-dihydro-6-pent	1900	J			10.375	
004537-15-9	Benzene, (1-butylheptyl)-	1000	J			10.516	
004536-86-1	Benzene, (1-propyloctyl)-	1100	J			10.569	
002719-62-2	Benzene, (1-pentylheptyl)-	380	J			10.957	
002719-63-3	Benzene, (1-butylloctyl)-	320	J			10.981	
002719-64-4	Benzene, (1-propylnonyl)-	470	J			11.046	
002400-00-2	Benzene, (1-ethyldecyl)-	480	J			11.157	
004534-51-4	Benzene, (1-propyldecyl)-	830	J			11.498	
004534-52-5	Benzene, (1-ethylundecyl)-	1200	J			11.616	
004534-53-6	Benzene, (1-methyldodecyl)-	2700	J			11.81	
	unknown11.881	1300	J			11.881	
002400-03-5	Benzene, (1-propylheptadecyl)-	1800	J			11.951	
1000307-00-4	Benzamide, N-(3-chlorophenyl)-2-me	4100	J			12.081	
055682-84-3	Naphthalene, 1-heptyl-1,2,3,4-tetr	250	J			12.175	
	unknown12.322	8800	J			12.322	
	unknown12.387	470	J			12.387	
	unknown12.657	660	J			12.657	
	unknown15.310	1000	J			15.31	

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	N28660	SDG No.:	BF071224
Lab Sample ID:	P3183-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	60.6
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
		Level :	LOW
Injection Volume :		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138555.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
002398-66-5	Benzene, (1-methylnonadecyl)-	1100	J			15.828	

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	RT-2929	SDG No.:	BF071224
Lab Sample ID:	P3207-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	37.3
Sample Wt/Vol:	50.01	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
BF138556.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	83	U	83	260	320	ug/Kg
110-86-1	Pyridine	76.4	U	76.4	120	160	ug/Kg
100-52-7	Benzaldehyde	170	U	170	260	320	ug/Kg
62-53-3	Aniline	92.7	U	92.7	120	160	ug/Kg
108-95-2	Phenol	79.3	U	79.3	120	160	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	80.1	U	80.1	120	160	ug/Kg
95-57-8	2-Chlorophenol	79.9	U	79.9	120	160	ug/Kg
95-50-1	1,2-Dichlorobenzene	80.9	U	80.9	120	160	ug/Kg
541-73-1	1,3-Dichlorobenzene	82.3	U	82.3	120	160	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.8	U	82.8	120	160	ug/Kg
100-51-6	Benzyl Alcohol	79.4	U	79.4	260	320	ug/Kg
95-48-7	2-Methylphenol	77.1	U	77.1	120	160	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	87	U	87	120	160	ug/Kg
98-86-2	Acetophenone	83.1	U	83.1	120	160	ug/Kg
65794-96-9	3+4-Methylphenols	76.3	U	76.3	260	320	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	38.6	U	38.6	76.5	76.5	ug/Kg
67-72-1	Hexachloroethane	79.4	U	79.4	120	160	ug/Kg
98-95-3	Nitrobenzene	86.9	U	86.9	120	160	ug/Kg
78-59-1	Isophorone	80.9	U	80.9	120	160	ug/Kg
88-75-5	2-Nitrophenol	90.4	U	90.4	120	160	ug/Kg
105-67-9	2,4-Dimethylphenol	89.2	U	89.2	120	160	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	82.1	U	82.1	120	160	ug/Kg
120-83-2	2,4-Dichlorophenol	72.2	U	72.2	120	160	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	81.7	U	81.7	120	160	ug/Kg
65-85-0	Benzoic acid	230	U	230	260	320	ug/Kg
91-20-3	Naphthalene	79	U	79	120	160	ug/Kg
106-47-8	4-Chloroaniline	79	U	79	120	160	ug/Kg
87-68-3	Hexachlorobutadiene	79.7	U	79.7	120	160	ug/Kg

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	RT-2929	SDG No.:	BF071224
Lab Sample ID:	P3207-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	37.3
Sample Wt/Vol:	50.01 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
BF138556.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	83	U	83	260	320	ug/Kg
59-50-7	4-Chloro-3-methylphenol	74.1	U	74.1	120	160	ug/Kg
91-57-6	2-Methylnaphthalene	78.9	U	78.9	120	160	ug/Kg
77-47-4	Hexachlorocyclopentadiene	150	U	150	260	320	ug/Kg
88-06-2	2,4,6-Trichlorophenol	68.3	U	68.3	120	160	ug/Kg
95-95-4	2,4,5-Trichlorophenol	70.8	U	70.8	120	160	ug/Kg
92-52-4	1,1-Biphenyl	83.6	U	83.6	120	160	ug/Kg
91-58-7	2-Chloronaphthalene	79.7	U	79.7	120	160	ug/Kg
88-74-4	2-Nitroaniline	90.9	U	90.9	120	160	ug/Kg
131-11-3	Dimethylphthalate	78.2	U	78.2	120	160	ug/Kg
208-96-8	Acenaphthylene	82.8	U	82.8	120	160	ug/Kg
606-20-2	2,6-Dinitrotoluene	79.6	U	79.6	120	160	ug/Kg
99-09-2	3-Nitroaniline	85.3	U	85.3	120	160	ug/Kg
83-32-9	Acenaphthene	77.6	U	77.6	120	160	ug/Kg
Total PAH	Total PAH	5090	U	1267.8	120	2560	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	260	320	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	260	320	ug/Kg
132-64-9	Dibenzofuran	80.7	U	80.7	120	160	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	162.1	U	162.1	120	320	ug/Kg
121-14-2	2,4-Dinitrotoluene	82.5	U	82.5	120	160	ug/Kg
84-66-2	Diethylphthalate	76.6	U	76.6	120	160	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	81.9	U	81.9	120	160	ug/Kg
86-73-7	Fluorene	81.8	U	81.8	120	160	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	120	160	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	260	320	ug/Kg
86-30-6	n-Nitrosodiphenylamine	78.1	U	78.1	120	160	ug/Kg
103-33-3	Azobenzene	76.2	U	76.2	120	160	ug/Kg
101-55-3	4-Bromophenyl-phenylether	75.5	U	75.5	120	160	ug/Kg
118-74-1	Hexachlorobenzene	81.3	U	81.3	120	160	ug/Kg
1912-24-9	Atrazine	87.4	U	87.4	120	160	ug/Kg

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	RT-2929	SDG No.:	BF071224
Lab Sample ID:	P3207-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	37.3
Sample Wt/Vol:	50.01	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
BF138556.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	74	U	74	260	320	ug/Kg
85-01-8	Phenanthrene	330		80.4	120	160	ug/Kg
120-12-7	Anthracene	80.7	U	80.7	120	160	ug/Kg
86-74-8	Carbazole	76.8	U	76.8	120	160	ug/Kg
84-74-2	Di-n-butylphthalate	80.7	U	80.7	120	160	ug/Kg
206-44-0	Fluoranthene	540		78.2	120	160	ug/Kg
92-87-5	Benzidine	160	U	160	260	320	ug/Kg
129-00-0	Pyrene	920		79.4	120	160	ug/Kg
85-68-7	Butylbenzylphthalate	92.6	U	92.6	120	160	ug/Kg
91-94-1	3,3-Dichlorobenzidine	94.3	U	94.3	260	320	ug/Kg
56-55-3	Benzo(a)anthracene	430		77.2	120	160	ug/Kg
218-01-9	Chrysene	500		76.1	120	160	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	690		87.1	120	160	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	260	320	ug/Kg
205-99-2	Benzo(b)fluoranthene	800		77.6	120	160	ug/Kg
207-08-9	Benzo(k)fluoranthene	190		79	120	160	ug/Kg
50-32-8	Benzo(a)pyrene	540		89	120	160	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	320		74.7	120	160	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	J	77.7	120	160	ug/Kg
191-24-2	Benzo(g,h,i)perylene	410		76.6	120	160	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	83	U	83	120	160	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	120	160	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	71.5	U	71.5	120	160	ug/Kg
90-12-0	1-Methylnaphthalene	79.6	U	79.6	160	160	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	87.369		18-112		58	SPK: -150
13127-88-3	Phenol-d6	82.574		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	76.543		18-107		77	SPK: -100
321-60-8	2-Fluorobiphenyl	45.861		20-109		46	SPK: -100

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	RT-2929	SDG No.:	BF071224
Lab Sample ID:	P3207-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	37.3
Sample Wt/Vol:	50.01	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
BF138556.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	63.801		10-110		43	SPK: -150
1718-51-0	Terphenyl-d14	107.964		14-112		108	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	93218	6.863				
1146-65-2	Naphthalene-d8	246922	8.145				
15067-26-2	Acenaphthene-d10	160428	9.898				
1517-22-2	Phenanthrene-d10	193394	11.41				
1719-03-5	Chrysene-d12	55049	14.092				
1520-96-3	Perylene-d12	93824	15.539				
TENTATIVE IDENTIFIED COMPOUNDS							
000124-11-8	1-Nonene	3600	J			8.075	
1417621-45-4	(6-Chloro-2-methylhexan-2-yl)benze	250	J			8.892	
055191-25-8	Benzene, (1,1-dimethylnonyl)-	350	J			9.469	
	unknown9.604	1100	J			9.604	
	unknown9.769	800	J			9.769	
001889-67-4	Benzene, 1,1-(1,1,2,2-tetramethyl	380	J			9.792	
	unknown9.810	940	J			9.81	
	unknown10.128	300	J			10.128	
1000484-40-4	1-Ethynylcyclododecanol	1600	J			10.239	
	unknown10.316	1400	J			10.316	
1000331-38-0	5-Chloro-2-methylhexanoic acid, 2-formyl-4,6-	1200	J			10.569	
002400-00-2	Benzene, (1-ethyldecyl)-	980	J			10.775	
055134-07-1	Benzene, (1,1,4,6,6-pentamethylhep	760	J			10.933	
	unknown11.145	640	J			11.145	
	unknown15.039	970	J			15.039	
1000282-77-5	Cyclopentanecarboxylic acid, 4-hex	640	J			15.374	
003175-23-3	Propane, 1,2,2-trichloro-	950	J			15.78	
007633-38-7	Di-t-butyl fumarate	1300	J			15.998	
	unknown16.498	1200	J			16.498	

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	RT-2929	SDG No.:	BF071224
Lab Sample ID:	P3207-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	37.3
Sample Wt/Vol:	50.01	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
BF138556.D	1	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown18.080	1500	J			18.08	

Report of Analysis

Client:				Date Collected:	7/9/2024 12:00:00 AM		
Project:				Date Received:	7/9/2024 12:00:00 AM		
Client Sample ID:	VNJ-226			SDG No.:	BF071224		
Lab Sample ID:	P3183-06			Matrix:	water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000	uL	
Soil Aliquot Vol:				Test:			
Extraction Type :	Decanted :			Level :	LOW		
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138557.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161993

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

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	VNJ-226	SDG No.:	BF071224
Lab Sample ID:	P3183-06	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138557.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161993

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

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	VNJ-226	SDG No.:	BF071224
Lab Sample ID:	P3183-06	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138557.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	23.2	J	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	78.141		10-139		52	SPK: -150
13127-88-3	Phenol-d6	79.076		10-134		53	SPK: -150
4165-60-0	Nitrobenzene-d5	62.389		49-133		62	SPK: -100
321-60-8	2-Fluorobiphenyl	66.634		52-132		67	SPK: -100

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	VNJ-226	SDG No.:	BF071224
Lab Sample ID:	P3183-06	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138557.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	69.9		32-145		47	SPK: -150
1718-51-0	Terphenyl-d14	72.806		36-145		73	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	85536	6.863				
1146-65-2	Naphthalene-d8	281352	8.145				
15067-26-2	Acenaphthene-d10	131406	9.898				
1517-22-2	Phenanthrene-d10	231356	11.386				
1719-03-5	Chrysene-d12	131311	14.021				
1520-96-3	Perylene-d12	119570	15.492				

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BF071224
Lab Sample ID:	P3187-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.4
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138558.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	59.4	U	59.4	180	230	ug/Kg
110-86-1	Pyridine	54.7	U	54.7	89	120	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	230	ug/Kg
62-53-3	Aniline	66.3	U	66.3	89	120	ug/Kg
108-95-2	Phenol	56.7	U	56.7	89	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57.3	U	57.3	89	120	ug/Kg
95-57-8	2-Chlorophenol	57.1	U	57.1	89	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.9	U	57.9	89	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.9	U	58.9	89	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	59.2	U	59.2	89	120	ug/Kg
100-51-6	Benzyl Alcohol	56.8	U	56.8	180	230	ug/Kg
95-48-7	2-Methylphenol	55.2	U	55.2	89	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62.2	U	62.2	89	120	ug/Kg
98-86-2	Acetophenone	59.5	U	59.5	89	120	ug/Kg
65794-96-9	3+4-Methylphenols	54.6	U	54.6	180	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.6	U	27.6	54.8	54.8	ug/Kg
67-72-1	Hexachloroethane	56.8	U	56.8	89	120	ug/Kg
98-95-3	Nitrobenzene	62.1	U	62.1	89	120	ug/Kg
78-59-1	Isophorone	57.9	U	57.9	89	120	ug/Kg
88-75-5	2-Nitrophenol	64.7	U	64.7	89	120	ug/Kg
105-67-9	2,4-Dimethylphenol	63.8	U	63.8	89	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.7	U	58.7	89	120	ug/Kg
120-83-2	2,4-Dichlorophenol	51.7	U	51.7	89	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	58.4	U	58.4	89	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	230	ug/Kg
91-20-3	Naphthalene	56.5	U	56.5	89	120	ug/Kg
106-47-8	4-Chloroaniline	56.5	U	56.5	89	120	ug/Kg
87-68-3	Hexachlorobutadiene	57	U	57	89	120	ug/Kg

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BF071224
Lab Sample ID:	P3187-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.4
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138558.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	59.4	U	59.4	180	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	53	U	53	89	120	ug/Kg
91-57-6	2-Methylnaphthalene	56.5	U	56.5	89	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.9	U	48.9	89	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50.6	U	50.6	89	120	ug/Kg
92-52-4	1,1-Biphenyl	59.8	U	59.8	89	120	ug/Kg
91-58-7	2-Chloronaphthalene	57	U	57	89	120	ug/Kg
88-74-4	2-Nitroaniline	65	U	65	89	120	ug/Kg
131-11-3	Dimethylphthalate	55.9	U	55.9	89	120	ug/Kg
208-96-8	Acenaphthylene	62.4	J	59.2	89	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.9	U	56.9	89	120	ug/Kg
99-09-2	3-Nitroaniline	61	U	61	89	120	ug/Kg
83-32-9	Acenaphthene	55.5	U	55.5	89	120	ug/Kg
Total PAH	Total PAH	2629.3	U	906.8	89	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	180	230	ug/Kg
100-02-7	4-Nitrophenol	79.4	U	79.4	180	230	ug/Kg
132-64-9	Dibenzofuran	57.8	U	57.8	89	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	59	U	59	89	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	15.9	U	115.9	89	240	ug/Kg
84-66-2	Diethylphthalate	54.8	U	54.8	89	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.6	U	58.6	89	120	ug/Kg
86-73-7	Fluorene	58.5	U	58.5	89	120	ug/Kg
100-01-6	4-Nitroaniline	73.2	U	73.2	89	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	80.1	U	80.1	180	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.8	U	55.8	89	120	ug/Kg
103-33-3	Azobenzene	54.5	U	54.5	89	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	54	U	54	89	120	ug/Kg
118-74-1	Hexachlorobenzene	58.2	U	58.2	89	120	ug/Kg
1912-24-9	Atrazine	62.6	U	62.6	89	120	ug/Kg

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BF071224
Lab Sample ID:	P3187-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.4
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138558.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	52.9	U	52.9	180	230	ug/Kg
85-01-8	Phenanthrene	100	J	57.5	89	120	ug/Kg
120-12-7	Anthracene	86.9	J	57.8	89	120	ug/Kg
86-74-8	Carbazole	71.4	J	55	89	120	ug/Kg
84-74-2	Di-n-butylphthalate	57.7	U	57.7	89	120	ug/Kg
206-44-0	Fluoranthene	360		55.9	89	120	ug/Kg
92-87-5	Benzidine	110	U	110	180	230	ug/Kg
129-00-0	Pyrene	360		56.8	89	120	ug/Kg
85-68-7	Butylbenzylphthalate	66.2	U	66.2	89	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	67.5	U	67.5	180	230	ug/Kg
56-55-3	Benzo(a)anthracene	190		55.2	89	120	ug/Kg
218-01-9	Chrysene	240		54.4	89	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62.7	J	62.3	89	120	ug/Kg
117-84-0	Di-n-octyl phthalate	75.3	U	75.3	180	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	510		55.5	89	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	150		56.5	89	120	ug/Kg
50-32-8	Benzo(a)pyrene	260		63.6	89	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150		53.5	89	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55.6	U	55.6	89	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160		54.8	89	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59.4	U	59.4	89	120	ug/Kg
123-91-1	1,4-Dioxane	75.3	U	75.3	89	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.1	U	51.1	89	120	ug/Kg
90-12-0	1-Methylnaphthalene	56.9	U	56.9	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.473		18-112		62	SPK: -150
13127-88-3	Phenol-d6	88.18		15-107		59	SPK: -150
4165-60-0	Nitrobenzene-d5	64.578		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	68.317		20-109		68	SPK: -100

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BF071224
Lab Sample ID:	P3187-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.4
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138558.D	1	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	90.548		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	73.003		14-112		73	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	111079	6.869				
1146-65-2	Naphthalene-d8	370840	8.145				
15067-26-2	Acenaphthene-d10	171533	9.898				
1517-22-2	Phenanthrene-d10	305197	11.386				
1719-03-5	Chrysene-d12	164743	14.022				
1520-96-3	Perylene-d12	157397	15.492				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1700	J			2.14	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	A			5.081	
	unknown9.992	50.6	J			9.992	
002235-15-6	1(2H)-Acenaphthylenone	47.5	J			10.816	
042896-18-4	Benzo[b]benzo[3,4]cyclobuta[1,2-e]	60.5	J			11.334	
000057-10-3	n-Hexadecanoic acid	240	J			11.91	
000203-64-5	4H-Cyclopenta[def]phenanthrene	70.5	J			11.998	
000084-65-1	9,10-Anthracenedione	52	J			12.204	
000057-11-4	Octadecanoic acid	95.4	J			12.692	
033543-31-6	Fluoranthene, 2-methyl-	46.3	J			13.045	
000479-79-8	11H-Benzo[a]fluoren-11-one	97.4	J			13.663	
001599-67-3	1-Docosene	150	J			13.869	
000205-82-3	Benzo[j]fluoranthene	260	J			15.363	



Client:			Date Collected:	7/10/2024 12:00:00 AM	
Project:			Date Received:	7/10/2024 12:00:00 AM	
Client Sample ID:	TR-04-07102024		SDG No.:	BF071224	
Lab Sample ID:	P3211-01		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	6.9	
Sample Wt/Vol:	50.07	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:		
Extraction Type :	Decanted :		Level :	LOW	
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138559.D	5	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

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



Client:				Date Collected:	7/10/2024 12:00:00 AM	
Project:				Date Received:	7/10/2024 12:00:00 AM	
Client Sample ID:	TR-04-07102024			SDG No.:	BF071224	
Lab Sample ID:	P3211-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	6.9	
Sample Wt/Vol:	50.07	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138559.D	5	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	280	U	280	870	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	250	420	550	ug/Kg
91-57-6	2-Methylnaphthalene	270	U	270	420	550	ug/Kg
77-47-4	Hexachlorocyclopentadiene	500	U	500	870	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	230	420	550	ug/Kg
95-95-4	2,4,5-Trichlorophenol	240	U	240	420	550	ug/Kg
92-52-4	1,1-Biphenyl	280	U	280	420	550	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	270	420	550	ug/Kg
88-74-4	2-Nitroaniline	310	U	310	420	550	ug/Kg
131-11-3	Dimethylphthalate	260	U	260	420	550	ug/Kg
208-96-8	Acenaphthylene	280	U	280	420	550	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	270	420	550	ug/Kg
99-09-2	3-Nitroaniline	290	U	290	420	550	ug/Kg
83-32-9	Acenaphthene	260	U	260	420	550	ug/Kg
Total PAH	Total PAH	18400	U	4280	420	8800	ug/Kg
51-28-5	2,4-Dinitrophenol	780	U	780	870	1100	ug/Kg
100-02-7	4-Nitrophenol	370	U	370	870	1100	ug/Kg
132-64-9	Dibenzofuran	270	U	270	420	550	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	550	U	550	420	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	280	420	550	ug/Kg
84-66-2	Diethylphthalate	260	U	260	420	550	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	280	U	280	420	550	ug/Kg
86-73-7	Fluorene	280	U	280	420	550	ug/Kg
100-01-6	4-Nitroaniline	340	U	340	420	550	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	380	U	380	870	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	260	U	260	420	550	ug/Kg
103-33-3	Azobenzene	260	U	260	420	550	ug/Kg
101-55-3	4-Bromophenyl-phenylether	250	U	250	420	550	ug/Kg
118-74-1	Hexachlorobenzene	270	U	270	420	550	ug/Kg
1912-24-9	Atrazine	290	U	290	420	550	ug/Kg

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	TR-04-07102024	SDG No.:	BF071224
Lab Sample ID:	P3211-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.9
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138559.D	5	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	250	U	250	870	1100	ug/Kg
85-01-8	Phenanthrene	1600		270	420	550	ug/Kg
120-12-7	Anthracene	450	J	270	420	550	ug/Kg
86-74-8	Carbazole	260	U	260	420	550	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	270	420	550	ug/Kg
206-44-0	Fluoranthene	3400		260	420	550	ug/Kg
92-87-5	Benzidine	520	U	520	870	1100	ug/Kg
129-00-0	Pyrene	2800		270	420	550	ug/Kg
85-68-7	Butylbenzylphthalate	310	U	310	420	550	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	320	870	1100	ug/Kg
56-55-3	Benzo(a)anthracene	1700		260	420	550	ug/Kg
218-01-9	Chrysene	1800		260	420	550	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	290	U	290	420	550	ug/Kg
117-84-0	Di-n-octyl phthalate	350	U	350	870	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	2300		260	420	550	ug/Kg
207-08-9	Benzo(k)fluoranthene	770		270	420	550	ug/Kg
50-32-8	Benzo(a)pyrene	1900		300	420	550	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	780		250	420	550	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	260	U	260	420	550	ug/Kg
191-24-2	Benzo(g,h,i)perylene	900		260	420	550	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	280	U	280	420	550	ug/Kg
123-91-1	1,4-Dioxane	350	U	350	420	550	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	240	U	240	420	550	ug/Kg
90-12-0	1-Methylnaphthalene	270	U	270	550	550	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	108.22		18-112		72	SPK: -150
13127-88-3	Phenol-d6	99.225		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	68.38		18-107		68	SPK: -100
321-60-8	2-Fluorobiphenyl	92.56		20-109		93	SPK: -100

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	TR-04-07102024	SDG No.:	BF071224
Lab Sample ID:	P3211-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.9
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138559.D	5	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	109.955		10-110		73	SPK: -150
1718-51-0	Terphenyl-d14	81.86		14-112		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	113186	6.869				
1146-65-2	Naphthalene-d8	387701	8.145				
15067-26-2	Acenaphthene-d10	153621	9.898				
1517-22-2	Phenanthrene-d10	322010	11.386				
1719-03-5	Chrysene-d12	181015	14.021				
1520-96-3	Perylene-d12	162895	15.492				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2200	J			2.122	
000544-76-3	Hexadecane	360	J			10.327	
073105-67-6	1-Iodo-2-methylundecane	300	J			10.545	
000629-78-7	Heptadecane	710	J			10.798	
000593-45-3	Octadecane	520	J			11.245	
000233-02-3	Naphtho[2,1-b]thiophene	430	J			11.28	
107770-99-0	3,5-Dimethyldodecane	540	J			11.674	
000613-12-7	Anthracene, 2-methyl-	360	J			11.886	
002531-84-2	Phenanthrene, 2-methyl-	540	J			11.916	
000203-64-5	4H-Cyclopenta[def]phenanthrene	680	J			11.998	
000610-48-0	Anthracene, 1-methyl-	270	J			12.022	
000629-62-9	Pentadecane	530	J			12.08	
001576-67-6	Phenanthrene, 3,6-dimethyl-	330	J			12.433	
000629-94-7	Heneicosane	1100	J			12.469	
005737-13-3	Cyclopenta(def)phenanthrenone	240	J			12.521	
002381-21-7	Pyrene, 1-methyl-	320	J			13.045	
000243-17-4	11H-Benzo[b]fluorene	380	J			13.151	
003442-78-2	Pyrene, 2-methyl-	290	J			13.257	
000479-79-8	11H-Benzo[a]fluoren-11-one	270	J			13.868	

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	TR-04-07102024	SDG No.:	BF071224
Lab Sample ID:	P3211-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.9
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138559.D	5	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000192-97-2	Benzo[e]pyrene	1200	J			15.368	

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	TR-05-07102024	SDG No.:	BF071224
Lab Sample ID:	P3211-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.3
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
BF138560.D	5	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	280	U	280	860	1100	ug/Kg
110-86-1	Pyridine	260	U	260	420	540	ug/Kg
100-52-7	Benzaldehyde	580	U	580	860	1100	ug/Kg
62-53-3	Aniline	310	U	310	420	540	ug/Kg
108-95-2	Phenol	270	U	270	420	540	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	270	U	270	420	540	ug/Kg
95-57-8	2-Chlorophenol	270	U	270	420	540	ug/Kg
95-50-1	1,2-Dichlorobenzene	270	U	270	420	540	ug/Kg
541-73-1	1,3-Dichlorobenzene	280	U	280	420	540	ug/Kg
106-46-7	1,4-Dichlorobenzene	280	U	280	420	540	ug/Kg
100-51-6	Benzyl Alcohol	270	U	270	860	1100	ug/Kg
95-48-7	2-Methylphenol	260	U	260	420	540	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	290	U	290	420	540	ug/Kg
98-86-2	Acetophenone	280	U	280	420	540	ug/Kg
65794-96-9	3+4-Methylphenols	260	U	260	860	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	130	U	130	260	260	ug/Kg
67-72-1	Hexachloroethane	270	U	270	420	540	ug/Kg
98-95-3	Nitrobenzene	290	U	290	420	540	ug/Kg
78-59-1	Isophorone	270	U	270	420	540	ug/Kg
88-75-5	2-Nitrophenol	300	U	300	420	540	ug/Kg
105-67-9	2,4-Dimethylphenol	300	U	300	420	540	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	270	U	270	420	540	ug/Kg
120-83-2	2,4-Dichlorophenol	240	U	240	420	540	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	270	U	270	420	540	ug/Kg
65-85-0	Benzoic acid	760	U	760	860	1100	ug/Kg
91-20-3	Naphthalene	2700		260	420	540	ug/Kg
106-47-8	4-Chloroaniline	260	U	260	420	540	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	270	420	540	ug/Kg

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	TR-05-07102024	SDG No.:	BF071224
Lab Sample ID:	P3211-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.3
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
BF138560.D	5	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	280	U	280	860	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	250	420	540	ug/Kg
91-57-6	2-Methylnaphthalene	1900		260	420	540	ug/Kg
77-47-4	Hexachlorocyclopentadiene	500	U	500	860	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	230	420	540	ug/Kg
95-95-4	2,4,5-Trichlorophenol	240	U	240	420	540	ug/Kg
92-52-4	1,1-Biphenyl	340	J	280	420	540	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	270	420	540	ug/Kg
88-74-4	2-Nitroaniline	300	U	300	420	540	ug/Kg
131-11-3	Dimethylphthalate	260	U	260	420	540	ug/Kg
208-96-8	Acenaphthylene	310	J	280	420	540	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	270	420	540	ug/Kg
99-09-2	3-Nitroaniline	290	U	290	420	540	ug/Kg
83-32-9	Acenaphthene	1300		260	420	540	ug/Kg
Total PAH	Total PAH	38930		4240	420	8640	ug/Kg
51-28-5	2,4-Dinitrophenol	780	U	780	860	1100	ug/Kg
100-02-7	4-Nitrophenol	370	U	370	860	1100	ug/Kg
132-64-9	Dibenzofuran	1100		270	420	540	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	650	U	550	420	1080	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	280	420	540	ug/Kg
84-66-2	Diethylphthalate	260	U	260	420	540	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	270	U	270	420	540	ug/Kg
86-73-7	Fluorene	2100		270	420	540	ug/Kg
100-01-6	4-Nitroaniline	340	U	340	420	540	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	370	U	370	860	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	260	U	260	420	540	ug/Kg
103-33-3	Azobenzene	250	U	250	420	540	ug/Kg
101-55-3	4-Bromophenyl-phenylether	250	U	250	420	540	ug/Kg
118-74-1	Hexachlorobenzene	270	U	270	420	540	ug/Kg
1912-24-9	Atrazine	290	U	290	420	540	ug/Kg

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	TR-05-07102024	SDG No.:	BF071224
Lab Sample ID:	P3211-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.3
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
BF138560.D	5	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	250	U	250	860	1100	ug/Kg
85-01-8	Phenanthrene	6000		270	420	540	ug/Kg
120-12-7	Anthracene	2100		270	420	540	ug/Kg
86-74-8	Carbazole	650		260	420	540	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	270	420	540	ug/Kg
206-44-0	Fluoranthene	5200		260	420	540	ug/Kg
92-87-5	Benzidine	520	U	520	860	1100	ug/Kg
129-00-0	Pyrene	5400		270	420	540	ug/Kg
85-68-7	Butylbenzylphthalate	310	U	310	420	540	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	320	860	1100	ug/Kg
56-55-3	Benzo(a)anthracene	2600		260	420	540	ug/Kg
218-01-9	Chrysene	2300		250	420	540	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	290	U	290	420	540	ug/Kg
117-84-0	Di-n-octyl phthalate	350	U	350	860	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	3100		260	420	540	ug/Kg
207-08-9	Benzo(k)fluoranthene	800		260	420	540	ug/Kg
50-32-8	Benzo(a)pyrene	2600		300	420	540	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	980		250	420	540	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	340	J	260	420	540	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		260	420	540	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	280	U	280	420	540	ug/Kg
123-91-1	1,4-Dioxane	350	U	350	420	540	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	240	U	240	420	540	ug/Kg
90-12-0	1-Methylnaphthalene	1300		270	540	540	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.715		18-112		54	SPK: -150
13127-88-3	Phenol-d6	78.165		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	52.75		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	60.895		20-109		61	SPK: -100

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	TR-05-07102024	SDG No.:	BF071224
Lab Sample ID:	P3211-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.3
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
BF138560.D	5	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	76.155		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	83.1		14-112		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89533	6.869				
1146-65-2	Naphthalene-d8	388986	8.145				
15067-26-2	Acenaphthene-d10	183330	9.904				
1517-22-2	Phenanthrene-d10	333176	11.386				
1719-03-5	Chrysene-d12	149367	14.027				
1520-96-3	Perylene-d12	172358	15.498				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2100	J			2.116	
000575-43-9	Naphthalene, 1,6-dimethyl-	770	J			9.486	
000581-40-8	Naphthalene, 2,3-dimethyl-	900	J			9.557	
000544-76-3	Hexadecane	980	J			9.828	
000629-78-7	Heptadecane	1200	J			10.328	
017301-28-9	Undecane, 3,6-dimethyl-	920	J			10.545	
000629-62-9	Pentadecane	2800	J			10.798	
000630-02-4	Octacosane	2000	J			11.245	
000132-65-0	Dibenzothiophene	1700	J			11.281	
055045-08-4	Dodecane, 2-methyl-6-propyl-	1900	J			11.675	
000112-39-0	Hexadecanoic acid, methyl ester	1300	J			11.775	
000613-12-7	Anthracene, 2-methyl-	970	J			11.886	
002531-84-2	Phenanthrene, 2-methyl-	1600	J			11.916	
000203-64-5	4H-Cyclopenta[def]phenanthrene	1900	J			11.998	
000629-92-5	Nonadecane	1700	J			12.08	
003674-66-6	Phenanthrene, 2,5-dimethyl-	800	J			12.439	
002566-97-4	9,12-Octadecadienoic acid, methyl	8200	J			12.463	
013481-95-3	10-Octadecenoic acid, methyl ester	5400	J			12.486	
000243-17-4	11H-Benzo[b]fluorene	810	J			13.157	

Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	TR-05-07102024	SDG No.:	BF071224
Lab Sample ID:	P3211-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.3
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
BF138560.D	5	7/11/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162009

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000192-97-2	Benzo[e]pyrene	1600	J			15.368	

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	VNJ-229	SDG No.:	BF071224
Lab Sample ID:	P3183-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138561.D	10	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	520	U	520	1600	2000	ug/Kg
110-86-1	Pyridine	480	U	480	780	1000	ug/Kg
100-52-7	Benzaldehyde	1100	U	1100	1600	2000	ug/Kg
62-53-3	Aniline	580	U	580	780	1000	ug/Kg
108-95-2	Phenol	500	U	500	780	1000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	500	U	500	780	1000	ug/Kg
95-57-8	2-Chlorophenol	500	U	500	780	1000	ug/Kg
95-50-1	1,2-Dichlorobenzene	510	U	510	780	1000	ug/Kg
541-73-1	1,3-Dichlorobenzene	520	U	520	780	1000	ug/Kg
106-46-7	1,4-Dichlorobenzene	520	U	520	780	1000	ug/Kg
100-51-6	Benzyl Alcohol	500	U	500	1600	2000	ug/Kg
95-48-7	2-Methylphenol	480	U	480	780	1000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	540	U	540	780	1000	ug/Kg
98-86-2	Acetophenone	520	U	520	780	1000	ug/Kg
65794-96-9	3+4-Methylphenols	480	U	480	1600	2000	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	240	U	240	480	480	ug/Kg
67-72-1	Hexachloroethane	500	U	500	780	1000	ug/Kg
98-95-3	Nitrobenzene	540	U	540	780	1000	ug/Kg
78-59-1	Isophorone	510	U	510	780	1000	ug/Kg
88-75-5	2-Nitrophenol	570	U	570	780	1000	ug/Kg
105-67-9	2,4-Dimethylphenol	560	U	560	780	1000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	510	U	510	780	1000	ug/Kg
120-83-2	2,4-Dichlorophenol	450	U	450	780	1000	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	510	U	510	780	1000	ug/Kg
65-85-0	Benzoic acid	1400	U	1400	1600	2000	ug/Kg
91-20-3	Naphthalene	490	U	490	780	1000	ug/Kg
106-47-8	4-Chloroaniline	490	U	490	780	1000	ug/Kg
87-68-3	Hexachlorobutadiene	500	U	500	780	1000	ug/Kg

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	VNJ-229	SDG No.:	BF071224
Lab Sample ID:	P3183-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138561.D	10	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	520	U	520	1600	2000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	460	U	460	780	1000	ug/Kg
91-57-6	2-Methylnaphthalene	490	U	490	780	1000	ug/Kg
77-47-4	Hexachlorocyclopentadiene	930	U	930	1600	2000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	430	U	430	780	1000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	440	U	440	780	1000	ug/Kg
92-52-4	1,1-Biphenyl	520	U	520	780	1000	ug/Kg
91-58-7	2-Chloronaphthalene	500	U	500	780	1000	ug/Kg
88-74-4	2-Nitroaniline	570	U	570	780	1000	ug/Kg
131-11-3	Dimethylphthalate	490	U	490	780	1000	ug/Kg
208-96-8	Acenaphthylene	520	U	520	780	1000	ug/Kg
606-20-2	2,6-Dinitrotoluene	500	U	500	780	1000	ug/Kg
99-09-2	3-Nitroaniline	530	U	530	780	1000	ug/Kg
83-32-9	Acenaphthene	490	U	490	780	1000	ug/Kg
Total PAH	Total PAH	7950	U	7950	780	16000	ug/Kg
51-28-5	2,4-Dinitrophenol	1500	U	1500	1600	2000	ug/Kg
100-02-7	4-Nitrophenol	690	U	690	1600	2000	ug/Kg
132-64-9	Dibenzofuran	510	U	510	780	1000	ug/Kg
121-14-2	2,4-Dinitrotoluene	520	U	520	780	1000	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1020	U	1020	780	2000	ug/Kg
84-66-2	Diethylphthalate	480	U	480	780	1000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	510	U	510	780	1000	ug/Kg
86-73-7	Fluorene	510	U	510	780	1000	ug/Kg
100-01-6	4-Nitroaniline	640	U	640	780	1000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	700	U	700	1600	2000	ug/Kg
86-30-6	n-Nitrosodiphenylamine	490	U	490	780	1000	ug/Kg
103-33-3	Azobenzene	480	U	480	780	1000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	470	U	470	780	1000	ug/Kg
118-74-1	Hexachlorobenzene	510	U	510	780	1000	ug/Kg
1912-24-9	Atrazine	550	U	550	780	1000	ug/Kg

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	VNJ-229	SDG No.:	BF071224
Lab Sample ID:	P3183-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138561.D	10	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	460	U	460	1600	2000	ug/Kg
85-01-8	Phenanthrene	500	U	500	780	1000	ug/Kg
120-12-7	Anthracene	510	U	510	780	1000	ug/Kg
86-74-8	Carbazole	480	U	480	780	1000	ug/Kg
84-74-2	Di-n-butylphthalate	500	U	500	780	1000	ug/Kg
206-44-0	Fluoranthene	490	U	490	780	1000	ug/Kg
92-87-5	Benzidine	980	U	980	1600	2000	ug/Kg
129-00-0	Pyrene	500	U	500	780	1000	ug/Kg
85-68-7	Butylbenzylphthalate	580	U	580	780	1000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	590	U	590	1600	2000	ug/Kg
56-55-3	Benzo(a)anthracene	480	U	480	780	1000	ug/Kg
218-01-9	Chrysene	480	U	480	780	1000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	550	U	550	780	1000	ug/Kg
117-84-0	Di-n-octyl phthalate	660	U	660	1600	2000	ug/Kg
205-99-2	Benzo(b)fluoranthene	490	U	490	780	1000	ug/Kg
207-08-9	Benzo(k)fluoranthene	490	U	490	780	1000	ug/Kg
50-32-8	Benzo(a)pyrene	560	U	560	780	1000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	470	U	470	780	1000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	490	U	490	780	1000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	480	U	480	780	1000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	520	U	520	780	1000	ug/Kg
123-91-1	1,4-Dioxane	660	U	660	780	1000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	450	U	450	780	1000	ug/Kg
90-12-0	1-Methylnaphthalene	500	U	500	1000	1000	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.06		18-112		55	SPK: -150
13127-88-3	Phenol-d6	78.49		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	55.98		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	63.88		20-109		64	SPK: -100

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	VNJ-229	SDG No.:	BF071224
Lab Sample ID:	P3183-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138561.D	10	7/10/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161988

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	78.92		10-110		53	SPK: -150
1718-51-0	Terphenyl-d14	77.65		14-112		78	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	78376	6.869				
1146-65-2	Naphthalene-d8	254919	8.145				
15067-26-2	Acenaphthene-d10	127801	9.904				
1517-22-2	Phenanthrene-d10	247181	11.386				
1719-03-5	Chrysene-d12	169617	14.021				
1520-96-3	Perylene-d12	162680	15.492				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1900	J			2.11	
	unknown12.022	470	J			12.022	
004534-59-2	Benzene, (1-methyltridecyl)-	810	J			12.186	
116196-83-9	4,4-Bis(tetrahydrothiopyran)	430	J			12.827	



Client:				Date Collected:	7/11/2024 12:00:00 AM	
Project:				Date Received:	7/11/2024 12:00:00 AM	
Client Sample ID:	EO-03-07112024			SDG No.:	BF071224	
Lab Sample ID:	P3227-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	6.4	
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
BF138562.D	10	7/12/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	560	U	560	1700	2100	ug/Kg
110-86-1	Pyridine	510	U	510	830	1100	ug/Kg
100-52-7	Benzaldehyde	1200	U	1200	1700	2100	ug/Kg
62-53-3	Aniline	620	U	620	830	1100	ug/Kg
108-95-2	Phenol	530	U	530	830	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	540	U	540	830	1100	ug/Kg
95-57-8	2-Chlorophenol	530	U	530	830	1100	ug/Kg
95-50-1	1,2-Dichlorobenzene	540	U	540	830	1100	ug/Kg
541-73-1	1,3-Dichlorobenzene	550	U	550	830	1100	ug/Kg
106-46-7	1,4-Dichlorobenzene	550	U	550	830	1100	ug/Kg
100-51-6	Benzyl Alcohol	530	U	530	1700	2100	ug/Kg
95-48-7	2-Methylphenol	520	U	520	830	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	580	U	580	830	1100	ug/Kg
98-86-2	Acetophenone	560	U	560	830	1100	ug/Kg
65794-96-9	3+4-Methylphenols	510	U	510	1700	2100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	260	U	260	510	510	ug/Kg
67-72-1	Hexachloroethane	530	U	530	830	1100	ug/Kg
98-95-3	Nitrobenzene	580	U	580	830	1100	ug/Kg
78-59-1	Isophorone	540	U	540	830	1100	ug/Kg
88-75-5	2-Nitrophenol	610	U	610	830	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	600	U	600	830	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	550	U	550	830	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	480	U	480	830	1100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	550	U	550	830	1100	ug/Kg
65-85-0	Benzoic acid	1500	U	1500	1700	2100	ug/Kg
91-20-3	Naphthalene	530	U	530	830	1100	ug/Kg
106-47-8	4-Chloroaniline	530	U	530	830	1100	ug/Kg
87-68-3	Hexachlorobutadiene	530	U	530	830	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	EO-03-07112024	SDG No.:	BF071224
Lab Sample ID:	P3227-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BF138562.D	10	7/12/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	560	U	560	1700	2100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	500	U	500	830	1100	ug/Kg
91-57-6	2-Methylnaphthalene	530	U	530	830	1100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1000	U	1000	1700	2100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	460	U	460	830	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	470	U	470	830	1100	ug/Kg
92-52-4	1,1-Biphenyl	560	U	560	830	1100	ug/Kg
91-58-7	2-Chloronaphthalene	530	U	530	830	1100	ug/Kg
88-74-4	2-Nitroaniline	610	U	610	830	1100	ug/Kg
131-11-3	Dimethylphthalate	520	U	520	830	1100	ug/Kg
208-96-8	Acenaphthylene	550	U	550	830	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	530	U	530	830	1100	ug/Kg
99-09-2	3-Nitroaniline	570	U	570	830	1100	ug/Kg
83-32-9	Acenaphthene	520	J	520	830	1100	ug/Kg
Total PAH	Total PAH	29910		8490	830	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1600	U	1600	1700	2100	ug/Kg
100-02-7	4-Nitrophenol	740	U	740	1700	2100	ug/Kg
132-64-9	Dibenzofuran	540	U	540	830	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1080	U	1080	830	2200	ug/Kg
121-14-2	2,4-Dinitrotoluene	550	U	550	830	1100	ug/Kg
84-66-2	Diethylphthalate	510	U	510	830	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	550	U	550	830	1100	ug/Kg
86-73-7	Fluorene	590	J	550	830	1100	ug/Kg
100-01-6	4-Nitroaniline	690	U	690	830	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	750	U	750	1700	2100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	520	U	520	830	1100	ug/Kg
103-33-3	Azobenzene	510	U	510	830	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	510	U	510	830	1100	ug/Kg
118-74-1	Hexachlorobenzene	540	U	540	830	1100	ug/Kg
1912-24-9	Atrazine	590	U	590	830	1100	ug/Kg



Client:				Date Collected:	7/11/2024 12:00:00 AM	
Project:				Date Received:	7/11/2024 12:00:00 AM	
Client Sample ID:	EO-03-07112024			SDG No.:	BF071224	
Lab Sample ID:	P3227-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	6.4	
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
BF138562.D	10	7/12/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	500	U	500	1700	2100	ug/Kg
85-01-8	Phenanthrene	4900		540	830	1100	ug/Kg
120-12-7	Anthracene	1200		540	830	1100	ug/Kg
86-74-8	Carbazole	520	J	510	830	1100	ug/Kg
84-74-2	Di-n-butylphthalate	540	U	540	830	1100	ug/Kg
206-44-0	Fluoranthene	5900		520	830	1100	ug/Kg
92-87-5	Benzidine	1000	U	1000	1700	2100	ug/Kg
129-00-0	Pyrene	4000		530	830	1100	ug/Kg
85-68-7	Butylbenzylphthalate	620	U	620	830	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	630	U	630	1700	2100	ug/Kg
56-55-3	Benzo(a)anthracene	2500		520	830	1100	ug/Kg
218-01-9	Chrysene	2300		510	830	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	580	U	580	830	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	700	U	700	1700	2100	ug/Kg
205-99-2	Benzo(b)fluoranthene	2800		520	830	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		530	830	1100	ug/Kg
50-32-8	Benzo(a)pyrene	2300		600	830	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	880	J	500	830	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	520	U	520	830	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	920	J	510	830	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	560	U	560	830	1100	ug/Kg
123-91-1	1,4-Dioxane	700	U	700	830	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	480	U	480	830	1100	ug/Kg
90-12-0	1-Methylnaphthalene	530	U	530	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.78		18-112		56	SPK: -150
13127-88-3	Phenol-d6	79.17		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	58.34		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	61.83		20-109		62	SPK: -100

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	EO-03-07112024	SDG No.:	BF071224
Lab Sample ID:	P3227-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BF138562.D	10	7/12/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	79.17		10-110		53	SPK: -150
1718-51-0	Terphenyl-d14	64.72		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	112301	6.869				
1146-65-2	Naphthalene-d8	286107	8.145				
15067-26-2	Acenaphthene-d10	182170	9.904				
1517-22-2	Phenanthrene-d10	330190	11.386				
1719-03-5	Chrysene-d12	175686	14.021				
1520-96-3	Perylene-d12	167026	15.492				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1800	J			2.116	
000629-50-5	Tridecane	640	J			8.734	
000544-76-3	Hexadecane	880	J			9.298	
004292-19-7	Dodecane, 1-iodo-	820	J			9.616	
000629-62-9	Pentadecane	1100	J			9.828	
000629-59-4	Tetradecane	1500	J			10.328	
017301-28-9	Undecane, 3,6-dimethyl-	1000	J			10.545	
000629-78-7	Heptadecane	2600	J			10.798	
000112-95-8	Eicosane	1800	J			11.245	
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	1200	J			11.275	
000646-31-1	Tetracosane	1500	J			11.675	
000112-39-0	Hexadecanoic acid, methyl ester	3200	J			11.775	
000057-10-3	n-Hexadecanoic acid	2400	J			11.91	
000203-64-5	4H-Cyclopenta[def]phenanthrene	970	J			11.998	
055045-08-4	Dodecane, 2-methyl-6-propyl-	1400	J			12.08	
002566-97-4	9,12-Octadecadienoic acid, methyl	8100	J			12.463	
056554-49-5	16-Octadecenoic acid, methyl ester	10200	J			12.48	
000057-11-4	Octadecanoic acid	1100	J			12.698	
000243-17-4	11H-Benzo[b]fluorene	780	J			13.151	

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	EO-03-07112024	SDG No.:	BF071224
Lab Sample ID:	P3227-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BF138562.D	10	7/12/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB162035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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SDG No.: BF071224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	N28660							
P3183-01	N28660	Solid	2-Azido-2,4,4,6,6,8,8-heptamethy *	1,300.000	J			
P3183-01	N28660	Solid	2H-Pyran-2-one, 5,6-dihydro-6-pe *	1,900.000	J			
P3183-01	N28660	Solid	Benzamide, N-(3-chlorophenyl)-2 *	4,100.000	J			
P3183-01	N28660	Solid	Benzene, (1-butylheptyl)- *	1,000.000	J			
P3183-01	N28660	Solid	Benzene, (1-butylloctyl)- *	320.000	J			
P3183-01	N28660	Solid	Benzene, (1-ethyldecyl)- *	480.000	J			
P3183-01	N28660	Solid	Benzene, (1-ethylundecyl)- *	1,200.000	J			
P3183-01	N28660	Solid	Benzene, (1-methyldodecyl)- *	2,700.000	J			
P3183-01	N28660	Solid	Benzene, (1-methylnonadecyl)- *	1,100.000	J			
P3183-01	N28660	Solid	Benzene, (1-pentylheptyl)- *	380.000	J			
P3183-01	N28660	Solid	Benzene, (1-propyldecyl)- *	830.000	J			
P3183-01	N28660	Solid	Benzene, (1-propylheptadecyl)- *	1,800.000	J			
P3183-01	N28660	Solid	Benzene, (1-propylnonyl)- *	470.000	J			
P3183-01	N28660	Solid	Benzene, (1-propyloctyl)- *	1,100.000	J			
P3183-01	N28660	Solid	Naphthalene, 1-heptyl-1,2,3,4-tetr *	250.000	J			
P3183-01	N28660	Solid	unknown11.881	1,300.000	J			
P3183-01	N28660	Solid	unknown12.322	8,800.000	J			
P3183-01	N28660	Solid	unknown12.387	470.000	J			
P3183-01	N28660	Solid	unknown12.657	660.000	J			
P3183-01	N28660	Solid	unknown15.310	1,000.000	J			
			Total Tics :	31,160.00				
P3183-01	N28660	Solid	Phenanthrene	130.000	J	130	260	ug/Kg
			Total Svoc :	130.00				
			Total Concentration:	31,290.00				
Client ID :	VNJ-226							
P3183-06	VNJ-226	water	Bis(2-ethylhexyl)phthalate	23.200	J	18.9	50	ug/L
			Total Svoc :	23.20				
			Total Concentration:	23.20				
Client ID :	VNJ-229							
P3183-07	VNJ-229	Solid	4,4-Bis(tetrahydrothiopyran) *	430.000	J			
P3183-07	VNJ-229	Solid	Benzene, (1-methyltridecyl)- *	810.000	J			
P3183-07	VNJ-229	Solid	Butane, 2-methoxy-2-methyl- *	1,900.000	J			
P3183-07	VNJ-229	Solid	unknown12.022	470.000	J			
			Total Tics :	3,610.00				
			Total Concentration:	3,610.00				
Client ID :	WC-4							

Hit Summary Sheet SW-846

SDG No.: BF071224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3186-01	WC-4	Solid	2-Pentanone, 4-hydroxy-4-methyl *	140.000	A			
P3186-01	WC-4	Solid	4H-Cyclopenta[def]phenanthrene *	60.400	J			
P3186-01	WC-4	Solid	9-(1H-Indol-3-yl)acridine *	150.000	J			
P3186-01	WC-4	Solid	9H-Cyclopenta[a]pyrene *	120.000	J			
P3186-01	WC-4	Solid	Benzo[e]pyrene *	440.000	J			
P3186-01	WC-4	Solid	Benzo[j]fluoranthene *	150.000	J			
P3186-01	WC-4	Solid	Butane, 2-methoxy-2-methyl- *	1,700.000	J			
P3186-01	WC-4	Solid	Cyclopenta(def)phenanthrenone *	54.000	J			
P3186-01	WC-4	Solid	Cyclopenta[cd]pyrene *	84.000	J			
P3186-01	WC-4	Solid	Dodecanamide *	75.400	J			
P3186-01	WC-4	Solid	Ethanol, 2-(tetradecyloxy)- *	150.000	J			
P3186-01	WC-4	Solid	n-Hexadecanoic acid *	180.000	J			
P3186-01	WC-4	Solid	Pyrene, 1-methyl- *	56.500	J			
P3186-01	WC-4	Solid	Triphenylene, 2-methyl- *	63.800	J			
P3186-01	WC-4	Solid	unknown10.810 *	59.700	J			
P3186-01	WC-4	Solid	unknown12.686 *	57.400	J			
P3186-01	WC-4	Solid	unknown14.963 *	57.400	J			
P3186-01	WC-4	Solid	unknown18.551 *	65.400	J			
P3186-01	WC-4	Solid	unknown18.698 *	92.800	J			
P3186-01	WC-4	Solid	unknown9.992 *	83.500	J			
Total Tics :				3,840.30				
P3186-01	WC-4	Solid	Anthracene	58.800	J	57.5	120	ug/Kg
P3186-01	WC-4	Solid	Benzo(a)anthracene	310.000		55	120	ug/Kg
P3186-01	WC-4	Solid	Benzo(a)pyrene	560.000		63.3	120	ug/Kg
P3186-01	WC-4	Solid	Benzo(b)fluoranthene	1,000.000		55.2	120	ug/Kg
P3186-01	WC-4	Solid	Benzo(g,h,i)perylene	190.000		54.5	120	ug/Kg
P3186-01	WC-4	Solid	Benzo(k)fluoranthene	340.000		56.3	120	ug/Kg
P3186-01	WC-4	Solid	Chrysene	360.000		54.1	120	ug/Kg
P3186-01	WC-4	Solid	Dibenzo(a,h)anthracene	59.800	J	55.3	120	ug/Kg
P3186-01	WC-4	Solid	Fluoranthene	490.000		55.6	120	ug/Kg
P3186-01	WC-4	Solid	Indeno(1,2,3-cd)pyrene	190.000		53.2	120	ug/Kg
P3186-01	WC-4	Solid	Phenanthrene	140.000		57.2	120	ug/Kg
P3186-01	WC-4	Solid	Pyrene	330.000		56.5	120	ug/Kg
Total Svoc :				4,028.60				
Total Concentration:				7,868.90				
Client ID : WC-3								
P3187-09	WC-3	Solid	1(2H)-Acenaphthylenone *	47.500	J			
P3187-09	WC-3	Solid	1-Docosene *	150.000	J			
P3187-09	WC-3	Solid	11H-Benzo[a]fluoren-11-one *	97.400	J			
P3187-09	WC-3	Solid	2-Pentanone, 4-hydroxy-4-methyl *	140.000	A			

Hit Summary Sheet SW-846

SDG No.: BF071224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3187-09	WC-3	Solid	4H-Cyclopenta[def]phenanthrene	*	70.500	J		
P3187-09	WC-3	Solid	9,10-Anthracenedione	*	52.000	J		
P3187-09	WC-3	Solid	Benzo[b]benzo[3,4]cyclobuta[1,2-	*	60.500	J		
P3187-09	WC-3	Solid	Benzo[j]fluoranthene	*	260.000	J		
P3187-09	WC-3	Solid	Butane, 2-methoxy-2-methyl-	*	1,700.000	J		
P3187-09	WC-3	Solid	Fluoranthene, 2-methyl-	*	46.300	J		
P3187-09	WC-3	Solid	n-Hexadecanoic acid	*	240.000	J		
P3187-09	WC-3	Solid	Octadecanoic acid	*	95.400	J		
P3187-09	WC-3	Solid	unknown9.992	*	50.600	J		
Total Tics :					3,010.20			
P3187-09	WC-3	Solid	Acenaphthylene		62.400	J	59.2	120 ug/Kg
P3187-09	WC-3	Solid	Anthracene		86.900	J	57.8	120 ug/Kg
P3187-09	WC-3	Solid	Benzo(a)anthracene		190.000		55.2	120 ug/Kg
P3187-09	WC-3	Solid	Benzo(a)pyrene		260.000		63.6	120 ug/Kg
P3187-09	WC-3	Solid	Benzo(b)fluoranthene		510.000		55.5	120 ug/Kg
P3187-09	WC-3	Solid	Benzo(g,h,i)perylene		160.000		54.8	120 ug/Kg
P3187-09	WC-3	Solid	Benzo(k)fluoranthene		150.000		56.5	120 ug/Kg
P3187-09	WC-3	Solid	Bis(2-ethylhexyl)phthalate		62.700	J	62.3	120 ug/Kg
P3187-09	WC-3	Solid	Carbazole		71.400	J	55	120 ug/Kg
P3187-09	WC-3	Solid	Chrysene		240.000		54.4	120 ug/Kg
P3187-09	WC-3	Solid	Fluoranthene		360.000		55.9	120 ug/Kg
P3187-09	WC-3	Solid	Indeno(1,2,3-cd)pyrene		150.000		53.5	120 ug/Kg
P3187-09	WC-3	Solid	Phenanthrene		100.000	J	57.5	120 ug/Kg
P3187-09	WC-3	Solid	Pyrene		360.000		56.8	120 ug/Kg
Total Svoc :					2,763.40			
Total Concentration:					5,773.60			

Client ID : FILL-MATERIAL-1

P3193-02	FILL-MATERIAL-1	Solid	(S)-(+)-1,2-Propanediol	*	190.000	J		
P3193-02	FILL-MATERIAL-1	Solid	1-Phenoxypropan-2-ol	*	120.000	J		
P3193-02	FILL-MATERIAL-1	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	290.000	A		
P3193-02	FILL-MATERIAL-1	Solid	Butane, 2-methoxy-2-methyl-	*	3,500.000	J		
P3193-02	FILL-MATERIAL-1	Solid	Docosane	*	86.700	J		
P3193-02	FILL-MATERIAL-1	Solid	Eicosane	*	130.000	J		
P3193-02	FILL-MATERIAL-1	Solid	Heptadecane	*	76.800	J		
P3193-02	FILL-MATERIAL-1	Solid	Heptadecane, 9-octyl-	*	160.000	J		
P3193-02	FILL-MATERIAL-1	Solid	Hexacosane	*	120.000	J		
P3193-02	FILL-MATERIAL-1	Solid	n-Hexadecanoic acid	*	260.000	J		
P3193-02	FILL-MATERIAL-1	Solid	Octacosane	*	120.000	J		
P3193-02	FILL-MATERIAL-1	Solid	Octacosanol	*	320.000	J		
P3193-02	FILL-MATERIAL-1	Solid	Pentacosane	*	180.000	J		

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SDG No.: BF071224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3193-02	FILL-MATERIAL-1	Solid	Sulfurous acid, butyl tetradecyl e	*	240.000	J		
P3193-02	FILL-MATERIAL-1	Solid	unknown9.992	*	97.400	J		
Total Tics :					5,890.90			
Total Concentration:					5,890.90			
Client ID : FILL-MATERIAL-2								
P3193-04	FILL-MATERIAL-2	Solid	1-Phenoxypropan-2-ol	*	91.100	J		
P3193-04	FILL-MATERIAL-2	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	200.000	A		
P3193-04	FILL-MATERIAL-2	Solid	Butane, 2-methoxy-2-methyl-	*	2,700.000	J		
P3193-04	FILL-MATERIAL-2	Solid	n-Hexadecanoic acid	*	100.000	J		
P3193-04	FILL-MATERIAL-2	Solid	Octacosyl trifluoroacetate	*	230.000	J		
P3193-04	FILL-MATERIAL-2	Solid	unknown3.393	*	89.200	J		
Total Tics :					3,410.30			
Total Concentration:					3,410.30			
Client ID : FILL-MATERIAL-3								
P3193-06	FILL-MATERIAL-3	Solid	1,19-Eicosadiene	*	77.400	J		
P3193-06	FILL-MATERIAL-3	Solid	1-Phenoxypropan-2-ol	*	110.000	J		
P3193-06	FILL-MATERIAL-3	Solid	17-Pentatriacontene	*	140.000	J		
P3193-06	FILL-MATERIAL-3	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	230.000	A		
P3193-06	FILL-MATERIAL-3	Solid	Butane, 2-methoxy-2-methyl-	*	2,900.000	J		
P3193-06	FILL-MATERIAL-3	Solid	Eicosane	*	120.000	J		
P3193-06	FILL-MATERIAL-3	Solid	Eicosyl heptafluorobutyrate	*	180.000	J		
P3193-06	FILL-MATERIAL-3	Solid	n-Hexadecanoic acid	*	120.000	J		
P3193-06	FILL-MATERIAL-3	Solid	Octacosane	*	210.000	J		
P3193-06	FILL-MATERIAL-3	Solid	Octacosane, 2-methyl-	*	350.000	J		
P3193-06	FILL-MATERIAL-3	Solid	Octadecanal	*	78.900	J		
P3193-06	FILL-MATERIAL-3	Solid	Oxalic acid, cyclobutyl heptadecyl	*	300.000	J		
P3193-06	FILL-MATERIAL-3	Solid	Oxirane, hexadecyl-	*	88.300	J		
P3193-06	FILL-MATERIAL-3	Solid	Tetradecane, 1-iodo-	*	87.500	J		
P3193-06	FILL-MATERIAL-3	Solid	unknown9.992	*	81.500	J		
Total Tics :					5,073.60			
Total Concentration:					5,073.60			
Client ID : CHRT-26899								
P3207-01	CHRT-26899	Solid	1,3,6-Trimethyladamantane	*	730.000	J		
P3207-01	CHRT-26899	Solid	17.alpha.(H),21.beta.(H)-Hopane	*	640.000	J		
P3207-01	CHRT-26899	Solid	17.alpha.H-Trisnorhopane	*	760.000	J		
P3207-01	CHRT-26899	Solid	1H-Indene, octahydro-2,2,4,4,7,7-	*	1,400.000	J		
P3207-01	CHRT-26899	Solid	2-Dodecen-1-yl(-)succinic anhydr	*	1,600.000	J		
P3207-01	CHRT-26899	Solid	Carbonic acid, 2,2,2-trichloroethy	*	1,100.000	J		
P3207-01	CHRT-26899	Solid	Decahydro-1,1,4a,5,6-pentamethy	*	950.000	J		

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SDG No.: BF071224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3207-01	CHRT-26899	Solid	Ethanol, 2-(2-butoxyethoxy)-	*	460.000	J		
P3207-01	CHRT-26899	Solid	Methyl ethyl cyclopentene	*	410.000	J		
P3207-01	CHRT-26899	Solid	Naphthalene, 2,6-dimethyl-	*	320.000	J		
P3207-01	CHRT-26899	Solid	Nonane, 3,7-dimethyl-	*	290.000	J		
P3207-01	CHRT-26899	Solid	unknown8.228	*	570.000	J		
P3207-01	CHRT-26899	Solid	unknown8.528	*	420.000	J		
P3207-01	CHRT-26899	Solid	unknown8.692	*	1,200.000	J		
P3207-01	CHRT-26899	Solid	unknown8.775	*	1,100.000	J		
P3207-01	CHRT-26899	Solid	unknown8.834	*	960.000	J		
P3207-01	CHRT-26899	Solid	unknown8.887	*	800.000	J		
P3207-01	CHRT-26899	Solid	unknown9.028	*	1,200.000	J		
P3207-01	CHRT-26899	Solid	unknown9.104	*	240.000	J		
P3207-01	CHRT-26899	Solid	unknown9.828	*	2,300.000	J		

Total Tics : 17,450.00

Total Concentration: 17,450.00

Client ID : RBR2520700

P3207-03	RBR2520700	Solid	1H-Indene, octahydro-2,2,4,4,7,7-	*	140.000	J		
P3207-03	RBR2520700	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	110.000	A		
P3207-03	RBR2520700	Solid	6-Octen-1-ol, 3,7-dimethyl-, form.	*	200.000	J		
P3207-03	RBR2520700	Solid	Butane, 2-methoxy-2-methyl-	*	1,700.000	J		
P3207-03	RBR2520700	Solid	Cycloeicosane	*	200.000	J		
P3207-03	RBR2520700	Solid	Decahydro-1,1,4a,5,6-pentamethy	*	250.000	J		
P3207-03	RBR2520700	Solid	Decane, 2-methyl-	*	480.000	J		
P3207-03	RBR2520700	Solid	Heneicosane	*	89.800	J		
P3207-03	RBR2520700	Solid	Hydrocinnamic acid	*	130.000	J		
P3207-03	RBR2520700	Solid	Methyl ethyl cyclopentene	*	92.000	J		
P3207-03	RBR2520700	Solid	unknown10.157	*	180.000	J		
P3207-03	RBR2520700	Solid	unknown10.216	*	120.000	J		
P3207-03	RBR2520700	Solid	unknown10.269	*	240.000	J		
P3207-03	RBR2520700	Solid	unknown10.304	*	660.000	J		
P3207-03	RBR2520700	Solid	unknown10.363	*	140.000	J		
P3207-03	RBR2520700	Solid	unknown9.604	*	560.000	J		
P3207-03	RBR2520700	Solid	unknown9.763	*	440.000	J		
P3207-03	RBR2520700	Solid	unknown9.786	*	91.300	J		
P3207-03	RBR2520700	Solid	unknown9.810	*	650.000	J		
P3207-03	RBR2520700	Solid	unknown9.845	*	170.000	J		

Total Tics : 6,643.10

P3207-03	RBR2520700	Solid	3+4-Methylphenols	240.000	59.1		240	ug/Kg
P3207-03	RBR2520700	Solid	Benzo(a)anthracene	100.000	J	59.7	130	ug/Kg
P3207-03	RBR2520700	Solid	Benzo(a)pyrene	110.000	J	68.8	130	ug/Kg

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SDG No.: BF071224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3207-03	RBR2520700	Solid	Benzo(b)fluoranthene	170.000		60	130	ug/Kg
P3207-03	RBR2520700	Solid	Chrysene	100.000	J	58.9	130	ug/Kg
P3207-03	RBR2520700	Solid	Fluoranthene	210.000		60.5	130	ug/Kg
P3207-03	RBR2520700	Solid	Phenanthrene	91.300	J	62.2	130	ug/Kg
P3207-03	RBR2520700	Solid	Pyrene	100.000	J	61.4	130	ug/Kg
Total Svoc :				1,121.30				
Total Concentration:				7,764.40				
Client ID : CHRT-24849								
P3207-05	CHRT-24849	Solid	2,5-Cyclohexadiene-1,4-dione, 2,6	87.100	J			
P3207-05	CHRT-24849	Solid	2-Pentanone, 4-hydroxy-4-methyl	96.500	A			
P3207-05	CHRT-24849	Solid	Butane, 2-methoxy-2-methyl-	1,400.000	J			
P3207-05	CHRT-24849	Solid	Cyclohexane, 1,2-dimethyl-3-pent	120.000	J			
P3207-05	CHRT-24849	Solid	Cycloundecane, (1-methylethyl)-	78.500	J			
P3207-05	CHRT-24849	Solid	unknown10.310	270.000	J			
P3207-05	CHRT-24849	Solid	unknown14.504	130.000	J			
Total Tics :				2,182.10				
P3207-05	CHRT-24849	Solid	Benzo(b)fluoranthene	48.700	J	48.6	100	ug/Kg
P3207-05	CHRT-24849	Solid	Bis(2-ethylhexyl)phthalate	73.200	J	54.5	100	ug/Kg
Total Svoc :				121.90				
Total Concentration:				2,304.00				
Client ID : RT-2929								
P3207-07	RT-2929	Solid	(6-Chloro-2-methylhexan-2-yl)ben	250.000	J			
P3207-07	RT-2929	Solid	1-Ethynylcyclododecanol	1,600.000	J			
P3207-07	RT-2929	Solid	1-Nonene	3,600.000	J			
P3207-07	RT-2929	Solid	5-Chlorovaleric acid, 2-formyl-4,6-	1,200.000	J			
P3207-07	RT-2929	Solid	Benzene, (1,1,4,6,6-pentamethylhe	760.000	J			
P3207-07	RT-2929	Solid	Benzene, (1,1-dimethylnonyl)-	350.000	J			
P3207-07	RT-2929	Solid	Benzene, (1-ethyldecyl)-	980.000	J			
P3207-07	RT-2929	Solid	Benzene, 1,1-(1,1,2,2-tetramethyl	380.000	J			
P3207-07	RT-2929	Solid	Cyclopentanecarboxylic acid, 4-hex	640.000	J			
P3207-07	RT-2929	Solid	Di-t-butyl fumarate	1,300.000	J			
P3207-07	RT-2929	Solid	Propane, 1,2,2-trichloro-	950.000	J			
P3207-07	RT-2929	Solid	unknown10.128	300.000	J			
P3207-07	RT-2929	Solid	unknown10.316	1,400.000	J			
P3207-07	RT-2929	Solid	unknown11.145	640.000	J			
P3207-07	RT-2929	Solid	unknown15.039	970.000	J			
P3207-07	RT-2929	Solid	unknown16.498	1,200.000	J			
P3207-07	RT-2929	Solid	unknown18.080	1,500.000	J			
P3207-07	RT-2929	Solid	unknown9.604	1,100.000	J			

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SDG No.: BF071224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3207-07	RT-2929	Solid	unknown9.769	*	800.000	J		
P3207-07	RT-2929	Solid	unknown9.810	*	940.000	J		
Total Tics :				20,860.00				
P3207-07	RT-2929	Solid	Benzo(a)anthracene		430.000	77.2	160	ug/Kg
P3207-07	RT-2929	Solid	Benzo(a)pyrene		540.000	89	160	ug/Kg
P3207-07	RT-2929	Solid	Benzo(b)fluoranthene		800.000	77.6	160	ug/Kg
P3207-07	RT-2929	Solid	Benzo(g,h,i)perylene		410.000	76.6	160	ug/Kg
P3207-07	RT-2929	Solid	Benzo(k)fluoranthene		190.000	79	160	ug/Kg
P3207-07	RT-2929	Solid	Bis(2-ethylhexyl)phthalate		690.000	87.1	160	ug/Kg
P3207-07	RT-2929	Solid	Chrysene		500.000	76.1	160	ug/Kg
P3207-07	RT-2929	Solid	Dibenzo(a,h)anthracene		110.000	J 77.7	160	ug/Kg
P3207-07	RT-2929	Solid	Fluoranthene		540.000	78.2	160	ug/Kg
P3207-07	RT-2929	Solid	Indeno(1,2,3-cd)pyrene		320.000	74.7	160	ug/Kg
P3207-07	RT-2929	Solid	Phenanthrene		330.000	80.4	160	ug/Kg
P3207-07	RT-2929	Solid	Pyrene		920.000	79.4	160	ug/Kg
Total Svoc :				5,780.00				
Total Concentration:				26,640.00				
Client ID : CONC-PADS								
P3208-05	CONC-PADS	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	96.600	J		
P3208-05	CONC-PADS	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	1,200.000	A		
P3208-05	CONC-PADS	Solid	Butane, 2-methoxy-2-methyl-	*	1,700.000	J		
P3208-05	CONC-PADS	Solid	Cyclohexadecane	*	140.000	J		
P3208-05	CONC-PADS	Solid	Heptacosane	*	56.300	J		
P3208-05	CONC-PADS	Solid	Heptadecane	*	100.000	J		
P3208-05	CONC-PADS	Solid	Heptadecane, 2,6,10,15-tetrameth	*	41.500	J		
P3208-05	CONC-PADS	Solid	Hexadecane	*	41.900	J		
P3208-05	CONC-PADS	Solid	Nonadecane	*	52.500	J		
P3208-05	CONC-PADS	Solid	unknown16.462	*	110.000	J		
Total Tics :				3,538.80				
P3208-05	CONC-PADS	Solid	Fluoranthene		55.900	J 48.9	100	ug/Kg
Total Svoc :				55.90				
Total Concentration:				3,594.70				
Client ID : TR-04-07102024								
P3211-01	TR-04-07102024	Solid	1-Iodo-2-methylundecane	*	300.000	J		
P3211-01	TR-04-07102024	Solid	11H-Benzo[a]fluoren-11-one	*	270.000	J		
P3211-01	TR-04-07102024	Solid	11H-Benzo[b]fluorene	*	380.000	J		
P3211-01	TR-04-07102024	Solid	3,5-Dimethyldodecane	*	540.000	J		
P3211-01	TR-04-07102024	Solid	4H-Cyclopenta[def]phenanthrene	*	680.000	J		
P3211-01	TR-04-07102024	Solid	Anthracene, 1-methyl-	*	270.000	J		
P3211-01	TR-04-07102024	Solid	Anthracene, 2-methyl-	*	360.000	J		

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Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3211-01	TR-04-07102024	Solid	Benzo[e]pyrene	*	1,200.000	J		
P3211-01	TR-04-07102024	Solid	Butane, 2-methoxy-2-methyl-	*	2,200.000	J		
P3211-01	TR-04-07102024	Solid	Cyclopenta(def)phenanthrene	*	240.000	J		
P3211-01	TR-04-07102024	Solid	Heneicosane	*	1,100.000	J		
P3211-01	TR-04-07102024	Solid	Heptadecane	*	710.000	J		
P3211-01	TR-04-07102024	Solid	Hexadecane	*	360.000	J		
P3211-01	TR-04-07102024	Solid	Naphtho[2,1-b]thiophene	*	430.000	J		
P3211-01	TR-04-07102024	Solid	Octadecane	*	520.000	J		
P3211-01	TR-04-07102024	Solid	Pentadecane	*	530.000	J		
P3211-01	TR-04-07102024	Solid	Phenanthrene, 2-methyl-	*	540.000	J		
P3211-01	TR-04-07102024	Solid	Phenanthrene, 3,6-dimethyl-	*	330.000	J		
P3211-01	TR-04-07102024	Solid	Pyrene, 1-methyl-	*	320.000	J		
P3211-01	TR-04-07102024	Solid	Pyrene, 2-methyl-	*	290.000	J		
Total Tics :					11,570.00			
P3211-01	TR-04-07102024	Solid	Anthracene		450.000	J	270	550 ug/Kg
P3211-01	TR-04-07102024	Solid	Benzo(a)anthracene		1,700.000		260	550 ug/Kg
P3211-01	TR-04-07102024	Solid	Benzo(a)pyrene		1,900.000		300	550 ug/Kg
P3211-01	TR-04-07102024	Solid	Benzo(b)fluoranthene		2,300.000		260	550 ug/Kg
P3211-01	TR-04-07102024	Solid	Benzo(g,h,i)perylene		900.000		260	550 ug/Kg
P3211-01	TR-04-07102024	Solid	Benzo(k)fluoranthene		770.000		270	550 ug/Kg
P3211-01	TR-04-07102024	Solid	Chrysene		1,800.000		260	550 ug/Kg
P3211-01	TR-04-07102024	Solid	Fluoranthene		3,400.000		260	550 ug/Kg
P3211-01	TR-04-07102024	Solid	Indeno(1,2,3-cd)pyrene		780.000		250	550 ug/Kg
P3211-01	TR-04-07102024	Solid	Phenanthrene		1,600.000		270	550 ug/Kg
P3211-01	TR-04-07102024	Solid	Pyrene		2,800.000		270	550 ug/Kg
Total Svoc :					18,400.00			
Total Concentration:					29,970.00			
Client ID : TR-05-07102024								
P3211-03	TR-05-07102024	Solid	10-Octadecenoic acid, methyl este	*	5,400.000	J		
P3211-03	TR-05-07102024	Solid	11H-Benzo[b]fluorene	*	810.000	J		
P3211-03	TR-05-07102024	Solid	4H-Cyclopenta[def]phenanthrene	*	1,900.000	J		
P3211-03	TR-05-07102024	Solid	9,12-Octadecadienoic acid, methy	*	8,200.000	J		
P3211-03	TR-05-07102024	Solid	Anthracene, 2-methyl-	*	970.000	J		
P3211-03	TR-05-07102024	Solid	Benzo[e]pyrene	*	1,600.000	J		
P3211-03	TR-05-07102024	Solid	Butane, 2-methoxy-2-methyl-	*	2,100.000	J		
P3211-03	TR-05-07102024	Solid	Dibenzothiophene	*	1,700.000	J		
P3211-03	TR-05-07102024	Solid	Dodecane, 2-methyl-6-propyl-	*	1,900.000	J		
P3211-03	TR-05-07102024	Solid	Heptadecane	*	1,200.000	J		
P3211-03	TR-05-07102024	Solid	Hexadecane	*	980.000	J		
P3211-03	TR-05-07102024	Solid	Hexadecanoic acid, methyl ester	*	1,300.000	J		

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SDG No.: BF071224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3211-03	TR-05-07102024	Solid	Naphthalene, 1,6-dimethyl-	* 770.000	J			
P3211-03	TR-05-07102024	Solid	Naphthalene, 2,3-dimethyl-	* 900.000	J			
P3211-03	TR-05-07102024	Solid	Nonadecane	* 1,700.000	J			
P3211-03	TR-05-07102024	Solid	Octacosane	* 2,000.000	J			
P3211-03	TR-05-07102024	Solid	Pentadecane	* 2,800.000	J			
P3211-03	TR-05-07102024	Solid	Phenanthrene, 2,5-dimethyl-	* 800.000	J			
P3211-03	TR-05-07102024	Solid	Phenanthrene, 2-methyl-	* 1,600.000	J			
P3211-03	TR-05-07102024	Solid	Undecane, 3,6-dimethyl-	* 920.000	J			
Total Tics :				39,550.00				
P3211-03	TR-05-07102024	Solid	1,1-Biphenyl	340.000	J	280	540	ug/Kg
P3211-03	TR-05-07102024	Solid	1-Methylnaphthalene	1,300.000		270	540	ug/Kg
P3211-03	TR-05-07102024	Solid	2-Methylnaphthalene	1,900.000		260	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Acenaphthene	1,300.000		260	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Acenaphthylene	310.000	J	280	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Anthracene	2,100.000		270	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Benzo(a)anthracene	2,600.000		260	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Benzo(a)pyrene	2,600.000		300	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Benzo(b)fluoranthene	3,100.000		260	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Benzo(g,h,i)perylene	1,100.000		260	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Benzo(k)fluoranthene	800.000		260	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Carbazole	650.000		260	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Chrysene	2,300.000		250	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Dibenzo(a,h)anthracene	340.000	J	260	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Dibenzofuran	1,100.000		270	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Fluoranthene	5,200.000		260	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Fluorene	2,100.000		270	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Indeno(1,2,3-cd)pyrene	980.000		250	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Naphthalene	2,700.000		260	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Phenanthrene	6,000.000		270	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Pyrene	5,400.000		270	540	ug/Kg
P3211-03	TR-05-07102024	Solid	Total PAH	38,930.000		4240	8640	ug/Kg
Total Svoc :				83,150.00				
Total Concentration:				122,700.00				
Client ID : EO-03-07112024								
P3227-01	EO-03-07112024	Solid	11H-Benzo[b]fluorene	* 780.000	J			
P3227-01	EO-03-07112024	Solid	16-Octadecenoic acid, methyl este	* 10,200.000	J			
P3227-01	EO-03-07112024	Solid	4H-Cyclopenta[def]phenanthrene	* 970.000	J			
P3227-01	EO-03-07112024	Solid	9,12-Octadecadienoic acid, methy	* 8,100.000	J			
P3227-01	EO-03-07112024	Solid	Butane, 2-methoxy-2-methyl-	* 1,800.000	J			
P3227-01	EO-03-07112024	Solid	Dodecane, 1-iodo-	* 820.000	J			

Hit Summary Sheet SW-846

SDG No.: BF071224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3227-01	EO-03-07112024	Solid	Dodecane, 2-methyl-6-propyl-	* 1,400.000	J			
P3227-01	EO-03-07112024	Solid	Eicosane	* 1,800.000	J			
P3227-01	EO-03-07112024	Solid	Heptadecane	* 2,600.000	J			
P3227-01	EO-03-07112024	Solid	Hexadecane	* 880.000	J			
P3227-01	EO-03-07112024	Solid	Hexadecane, 2,6,10,14-tetramethy	* 1,200.000	J			
P3227-01	EO-03-07112024	Solid	Hexadecanoic acid, methyl ester	* 3,200.000	J			
P3227-01	EO-03-07112024	Solid	n-Hexadecanoic acid	* 2,400.000	J			
P3227-01	EO-03-07112024	Solid	Octadecanoic acid	* 1,100.000	J			
P3227-01	EO-03-07112024	Solid	Pentadecane	* 1,100.000	J			
P3227-01	EO-03-07112024	Solid	Tetracosane	* 1,500.000	J			
P3227-01	EO-03-07112024	Solid	Tetradecane	* 1,500.000	J			
P3227-01	EO-03-07112024	Solid	Tridecane	* 640.000	J			
P3227-01	EO-03-07112024	Solid	Undecane, 3,6-dimethyl-	* 1,000.000	J			
Total Tics :				42,990.00				
P3227-01	EO-03-07112024	Solid	Acenaphthene	520.000	J	520	1100	ug/Kg
P3227-01	EO-03-07112024	Solid	Anthracene	1,200.000		540	1100	ug/Kg
P3227-01	EO-03-07112024	Solid	Benzo(a)anthracene	2,500.000		520	1100	ug/Kg
P3227-01	EO-03-07112024	Solid	Benzo(a)pyrene	2,300.000		600	1100	ug/Kg
P3227-01	EO-03-07112024	Solid	Benzo(b)fluoranthene	2,800.000		520	1100	ug/Kg
P3227-01	EO-03-07112024	Solid	Benzo(g,h,i)perylene	920.000	J	510	1100	ug/Kg
P3227-01	EO-03-07112024	Solid	Benzo(k)fluoranthene	1,100.000		530	1100	ug/Kg
P3227-01	EO-03-07112024	Solid	Carbazole	520.000	J	510	1100	ug/Kg
P3227-01	EO-03-07112024	Solid	Chrysene	2,300.000		510	1100	ug/Kg
P3227-01	EO-03-07112024	Solid	Fluoranthene	5,900.000		520	1100	ug/Kg
P3227-01	EO-03-07112024	Solid	Fluorene	590.000	J	550	1100	ug/Kg
P3227-01	EO-03-07112024	Solid	Indeno(1,2,3-cd)pyrene	880.000	J	500	1100	ug/Kg
P3227-01	EO-03-07112024	Solid	Phenanthrene	4,900.000		540	1100	ug/Kg
P3227-01	EO-03-07112024	Solid	Pyrene	4,000.000		530	1100	ug/Kg
P3227-01	EO-03-07112024	Solid	Total PAH	29,910.000		8490	17600	ug/Kg
Total Svoc :				60,340.00				
Total Concentration:				103,330.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

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

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

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

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

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

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF071224 SAS No.: BF071224 SDG NO.: BF071224

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

Lab File ID: BF138486.D Time Analyzed: 12:23

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	96160	6.869	383936	8.15	215266	9.90
	UPPER LIMIT	192320	7.369	767872	8.651	430532	10.404
	LOWER LIMIT	48080	6.369	191968	7.651	107633	9.404
	EPA SAMPLE NO.						
01	PB162009BL	128235	6.86	525931	8.15	305938	9.90
02	PB162009BS	141372	6.87	588732	8.15	327987	9.90
03	PB161988BL	130832	6.86	535791	8.15	312492	9.90
04	PB161988BS	134752	6.87	564116	8.15	318857	9.90
05	FILL-MATERIAL-1	78233	6.86	308778	8.15	167443	9.90
06	FILL-MATERIAL-1MS	85651	6.86	348278	8.15	191419	9.90
07	FILL-MATERIAL-1MSD	82481	6.86	332685	8.15	183527	9.90
08	FILL-MATERIAL-2	87621	6.86	345695	8.15	190175	9.90
09	FILL-MATERIAL-3	81015	6.86	323270	8.15	174890	9.90
10	CONC-PADS	80848	6.86	320552	8.15	169914	9.90
11	CHRT-24849	80296	6.86	307518	8.15	137870	9.90
12	CHRT-26899	69858	6.86	227570	8.15	97160 *	9.92
13	WC-4	88399	6.86	339793	8.15	172145	9.90
14	RBR2520700	86718	6.86	319095	8.15	141938	9.90
15	N28660	67151	6.86	231316	8.15	112365	9.90
16	RT-2929	93218	6.86	246922	8.15	160428	9.90
17	VNJ-226	85536	6.86	281352	8.15	131406	9.90
18	WC-3	111079	6.87	370840	8.15	171533	9.90
19	TR-04-07102024	113186	6.87	387701	8.15	153621	9.90
20	TR-05-07102024	89533	6.87	388986	8.15	183330	9.90
21	VNJ-229	78376	6.87	254919	8.15	127801	9.90
22	EO-03-07112024	112301	6.87	286107	8.15	182170	9.90



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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF071224 SAS No.: BF071224 SDG NO.: BF071224

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

Lab File ID: BF138486.D Time Analyzed: 23:12

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	96160	6.869	383936	8.15	215266	9.90
UPPER LIMIT	192320	7.369	767872	8.651	430532	10.404
LOWER LIMIT	48080	6.369	191968	7.651	107633	9.404
EPA SAMPLE NO.						

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.: BF071224 SAS No.: BF071224 SDG NO.: BF071224

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

Lab File ID: BF138540.D Time Analyzed: 12:23

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	106955	6.869	428334	8.15	243475	9.90
	UPPER LIMIT	213910	7.369	856668	8.651	486950	10.404
	LOWER LIMIT	53477.5	6.369	214167	7.651	121737.5	9.404
	EPA SAMPLE NO.						
01	PB162009BL	128235	6.86	525931	8.15	305938	9.90
02	PB162009BS	141372	6.87	588732	8.15	327987	9.90
03	PB161988BL	130832	6.86	535791	8.15	312492	9.90
04	PB161988BS	134752	6.87	564116	8.15	318857	9.90
05	FILL-MATERIAL-1	78233	6.86	308778	8.15	167443	9.90
06	FILL-MATERIAL-1MS	85651	6.86	348278	8.15	191419	9.90
07	FILL-MATERIAL-1MSD	82481	6.86	332685	8.15	183527	9.90
08	FILL-MATERIAL-2	87621	6.86	345695	8.15	190175	9.90
09	FILL-MATERIAL-3	81015	6.86	323270	8.15	174890	9.90
10	CONC-PADS	80848	6.86	320552	8.15	169914	9.90
11	CHRT-24849	80296	6.86	307518	8.15	137870	9.90
12	CHRT-26899	69858	6.86	227570	8.15	97160 *	9.92
13	WC-4	88399	6.86	339793	8.15	172145	9.90
14	RBR2520700	86718	6.86	319095	8.15	141938	9.90
15	N28660	67151	6.86	231316	8.15	112365 *	9.90
16	RT-2929	93218	6.86	246922	8.15	160428	9.90
17	VNJ-226	85536	6.86	281352	8.15	131406	9.90
18	WC-3	111079	6.87	370840	8.15	171533	9.90
19	TR-04-07102024	113186	6.87	387701	8.15	153621	9.90
20	TR-05-07102024	89533	6.87	388986	8.15	183330	9.90
21	VNJ-229	78376	6.87	254919	8.15	127801	9.90
22	EO-03-07112024	112301	6.87	286107	8.15	182170	9.90



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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF071224 SAS No.: BF071224 SDG NO.: BF071224

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

Lab File ID: BF138540.D Time Analyzed: 23:12

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	106955	6.869	428334	8.15	243475	9.90
UPPER LIMIT	213910	7.369	856668	8.651	486950	10.404
LOWER LIMIT	53477.5	6.369	214167	7.651	121737.5	9.404
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF071224 SAS No.: BF071224 SDG NO.: BF071224

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

Lab File ID: BF138486.D Time Analyzed: 12:23

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	374771	11.386	178592	14.027	166880	15.486
	UPPER LIMIT	749542	11.886	357184	14.527	333760	15.986
	LOWER LIMIT	187385.5	10.886	89296	13.527	83440	14.986
	EPA SAMPLE NO.						
01	PB162009BL	557460	11.39	335199	14.02	264677	15.49
02	PB162009BS	561808	11.39	263280	14.03	260791	15.49
03	PB161988BL	575989	11.39	324918	14.02	257778	15.49
04	PB161988BS	551470	11.39	258149	14.03	252487	15.49
05	FILL-MATERIAL-1	252116	11.38	150288	14.02	145482	15.49
06	FILL-MATERIAL-1MS	283349	11.39	155879	14.02	170888	15.49
07	FILL-MATERIAL-1MSD	275420	11.39	149603	14.03	160730	15.49
08	FILL-MATERIAL-2	274675	11.38	163872	14.02	141828	15.48
09	FILL-MATERIAL-3	240379	11.38	154907	14.02	139122	15.48
10	CONC-PADS	242387	11.38	151280	14.02	139969	15.48
11	CHRT-24849	158714 *	11.40	158536	14.02	146432	15.49
12	CHRT-26899	110202 *	11.46	152383	14.06	119440	15.50
13	WC-4	219057	11.38	168713	14.02	137046	15.49
14	RBR2520700	176717 *	11.39	174775	14.02	137625	15.49
15	N28660	188919	11.39	20426 *	14.01	90856	15.57
16	RT-2929	193394	11.41	55049 *	14.09	93824	15.54
17	VNJ-226	231356	11.39	131311	14.02	119570	15.49
18	WC-3	305197	11.39	164743	14.02	157397	15.49
19	TR-04-07102024	322010	11.39	181015	14.02	162895	15.49
20	TR-05-07102024	333176	11.39	149367	14.03	172358	15.50
21	VNJ-229	247181	11.39	169617	14.02	162680	15.49

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF071224 SAS No.: BF071224 SDG NO.: BF071224

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

Lab File ID: BF138486.D Time Analyzed: 23:12

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	374771	11.386	178592	14.027	166880	15.486
UPPER LIMIT	749542	11.886	357184	14.527	333760	15.986
LOWER LIMIT	187385.5	10.886	89296	13.527	83440	14.986
EPA SAMPLE NO.						
22 EO-03-07112024	330190	11.39	175686	14.02	167026	15.49

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.: BF071224 SAS No.: BF071224 SDG NO.: BF071224

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

Lab File ID: BF138540.D Time Analyzed: 12:23

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	416275	11.386	201676	14.027	196107	15.492
	UPPER LIMIT	832550	11.886	403352	14.527	392214	15.992
	LOWER LIMIT	208137.5	10.886	100838	13.527	98053.5	14.992
	EPA SAMPLE NO.						
01	PB162009BL	557460	11.39	335199	14.02	264677	15.49
02	PB162009BS	561808	11.39	263280	14.03	260791	15.49
03	PB161988BL	575989	11.39	324918	14.02	257778	15.49
04	PB161988BS	551470	11.39	258149	14.03	252487	15.49
05	FILL-MATERIAL-1	252116	11.38	150288	14.02	145482	15.49
06	FILL-MATERIAL-1MS	283349	11.39	155879	14.02	170888	15.49
07	FILL-MATERIAL-1MSD	275420	11.39	149603	14.03	160730	15.49
08	FILL-MATERIAL-2	274675	11.38	163872	14.02	141828	15.48
09	FILL-MATERIAL-3	240379	11.38	154907	14.02	139122	15.48
10	CONC-PADS	242387	11.38	151280	14.02	139969	15.48
11	CHRT-24849	158714 *	11.40	158536	14.02	146432	15.49
12	CHRT-26899	110202 *	11.46	152383	14.06	119440	15.50
13	WC-4	219057	11.38	168713	14.02	137046	15.49
14	RBR2520700	176717 *	11.39	174775	14.02	137625	15.49
15	N28660	188919 *	11.39	20426 *	14.01	90856 *	15.57
16	RT-2929	193394 *	11.41	55049 *	14.09	93824 *	15.54
17	VNJ-226	231356	11.39	131311	14.02	119570	15.49
18	WC-3	305197	11.39	164743	14.02	157397	15.49
19	TR-04-07102024	322010	11.39	181015	14.02	162895	15.49
20	TR-05-07102024	333176	11.39	149367	14.03	172358	15.50
21	VNJ-229	247181	11.39	169617	14.02	162680	15.49

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF071224 SAS No.: BF071224 SDG NO.: BF071224

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

Lab File ID: BF138540.D Time Analyzed: 23:12

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	416275	11.386	201676	14.027	196107	15.492
UPPER LIMIT	832550	11.886	403352	14.527	392214	15.992
LOWER LIMIT	208137.5	10.886	100838	13.527	98053.5	14.992
EPA SAMPLE NO.						
22 EO-03-07112024	330190	11.39	175686	14.02	167026	15.49

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.: **BF071224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB161988BS	n-Nitrosodimethylamine	1700	1400	ug/Kg	82				57	103	
	Pyridine	1700	1000	ug/Kg	59				28	98	
	Benzaldehyde	1700	540	ug/Kg	32				10	147	
	Aniline	1700	890	ug/Kg	52				38	100	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	1,2-Dichlorobenzene	1700	1400	ug/Kg	82				51	102	
	1,3-Dichlorobenzene	1700	1300	ug/Kg	76				52	99	
	1,4-Dichlorobenzene	1700	1300	ug/Kg	76				52	100	
	Benzyl Alcohol	1700	1500	ug/Kg	88				42	116	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1300	ug/Kg	76				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				67	119	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1500	ug/Kg	88				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	760	ug/Kg	45				16	100	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3500	ug/Kg	106				45	134	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1300	ug/Kg	76				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1300	ug/Kg	76				58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	940	ug/Kg	55				28	100	
	Acenaphthene	1700	1300	ug/Kg	76				57	104	
	Total PAH	27200	23000	ug/Kg	85				57	104	
	2,4-Dinitrophenol	3300	2900	ug/Kg	88				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF071224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161988BS	4-Nitrophenol	3300	2700	ug/Kg	82				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene/2,6-Dinitrotr	3400	2800	ug/Kg	82				60	106	
	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1300	ug/Kg	76				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107	
	Azobenzene	1700	1400	ug/Kg	82				54	103	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				55	99	
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1300	ug/Kg	76				67	113	
	Pentachlorophenol	3300	2700	ug/Kg	82				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1300	ug/Kg	76				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1300	ug/Kg	76				57	107	
	Benzidine	3300	350	ug/Kg	11				10	98	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	1400	ug/Kg	82				42	91	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1900	ug/Kg	112		*		63	111	
	Di-n-octyl phthalate	1700	1900	ug/Kg	112		*		70	108	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1000	ug/Kg	59				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1300	ug/Kg	76				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF071224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162009BS	n-Nitrosodimethylamine	1700	1400	ug/Kg	82				57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700	560	ug/Kg	33				10	147	
	Aniline	1700	940	ug/Kg	55				38	100	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102	
	1,3-Dichlorobenzene	1700	1400	ug/Kg	82				52	99	
	1,4-Dichlorobenzene	1700	1400	ug/Kg	82				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				67	119	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1500	ug/Kg	88				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	830	ug/Kg	49				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3900	ug/Kg	118				45	134	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	960	ug/Kg	56				28	100	
	Acenaphthene	1700	1400	ug/Kg	82				57	104	
	Total PAH	27200	24300	ug/Kg	89				57	104	
	2,4-Dinitrophenol	3300	3100	ug/Kg	94				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF071224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162009BS	4-Nitrophenol	3300	2800	ug/Kg	85				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	3000	ug/Kg	88				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	1400	ug/Kg	82				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	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1300	ug/Kg	76				67	113	
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Benzidine	3300	260	ug/Kg	8		*		10	98	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1400	ug/Kg	82				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	2100	ug/Kg	124		*		63	111	
	Di-n-octyl phthalate	1700	2200	ug/Kg	129		*		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	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1000	ug/Kg	59				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161988BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF071224

SAS No.: BF071224 SDG NO.: BF071224

Lab File ID: BF138543.D

Lab Sample ID: PB161988BL

Instrument ID: BNA_F

Date Extracted: 07/10/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/12/2024

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
PB161988BS	PB161988BS	BF138544.D	07/12/2024
WC-4	P3186-01	BF138553.D	07/12/2024
N28660	P3183-01	BF138555.D	07/12/2024
WC-3	P3187-09	BF138558.D	07/12/2024
VNJ-229	P3183-07	BF138561.D	07/12/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VNJ-226

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF071224

SAS No.: BF071224 SDG NO.: BF071224

Lab File ID: BF138557.D

Lab Sample ID: P3183-06

Instrument ID: BNA_F

Date Extracted: 07/10/2024

Matrix: (soil/water) water

Date Analyzed: 07/12/2024

Level: (low/med) LOW

Time Analyzed: 20:39

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VNJ-226	P3183-06	BF138557.D	07/12/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162009BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF071224

SAS No.: BF071224 SDG NO.: BF071224

Lab File ID: BF138541.D

Lab Sample ID: PB162009BL

Instrument ID: BNA_F

Date Extracted: 07/11/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/12/2024

Level: (low/med) LOW

Time Analyzed: 12:23

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162009BS	PB162009BS	BF138542.D	07/12/2024
RBR2520700	P3207-03	BF138554.D	07/12/2024
TR-04-07102024	P3211-01	BF138559.D	07/12/2024
TR-05-07102024	P3211-03	BF138560.D	07/12/2024
RT-2929	P3207-07	BF138556.D	07/12/2024
FILL-MATERIAL-1	P3193-02	BF138545.D	07/12/2024
FILL-MATERIAL-1MS	P3193-02MS	BF138546.D	07/12/2024
FILL-MATERIAL-1MSD	P3193-02MSD	BF138547.D	07/12/2024
FILL-MATERIAL-2	P3193-04	BF138548.D	07/12/2024
FILL-MATERIAL-3	P3193-06	BF138549.D	07/12/2024
CONC-PADS	P3208-05	BF138550.D	07/12/2024
CHRT-24849	P3207-05	BF138551.D	07/12/2024
CHRT-26899	P3207-01	BF138552.D	07/12/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

EO-03-07112024

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF071224

SAS No.: BF071224 SDG NO.: BF071224

Lab File ID: BF138562.D

Lab Sample ID: P3227-01

Instrument ID: BNA_F

Date Extracted: 07/12/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/12/2024

Level: (low/med) LOW

Time Analyzed: 23:12

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EO-03-07112024	P3227-01	BF138562.D	07/12/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF071224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P3193-02MS	Client Sample ID:	FILL-MATERIAL-1MS					DataFile:	BF138546.D		
n-Nitrosodimethylamine	1800		2000	ug/Kg	111				66	124	
Pyridine	1800		1800	ug/Kg	100				45	119	
Benzaldehyde	1800		340	ug/Kg	19	*			26	163	
Aniline	1800		1900	ug/Kg	106	*			10	88	
Phenol	1800		2100	ug/Kg	117				67	126	
bis(2-Chloroethyl)ether	1800		2000	ug/Kg	111				74	116	
2-Chlorophenol	1800		2100	ug/Kg	117				61	138	
1,2-Dichlorobenzene	1800		2000	ug/Kg	111	*			61	105	
1,3-Dichlorobenzene	1800		1900	ug/Kg	106	*			62	101	
1,4-Dichlorobenzene	1800		1900	ug/Kg	106	*			63	104	
Benzyl Alcohol	1800		2100	ug/Kg	117				47	126	
2-Methylphenol	1800		2100	ug/Kg	117				66	122	
2,2-oxybis(1-Chloropropane)	1800		1900	ug/Kg	106				52	115	
Acetophenone	1800		1800	ug/Kg	100				75	111	
3+4-Methylphenols	1800		2000	ug/Kg	111				53	132	
N-Nitroso-di-n-propylamine	1800		2000	ug/Kg	111				59	119	
Hexachloroethane	1800		1900	ug/Kg	106				65	117	
Nitrobenzene	1800		1900	ug/Kg	106				70	119	
Isophorone	1800		2100	ug/Kg	117				76	122	
2-Nitrophenol	1800		2100	ug/Kg	117				54	145	
2,4-Dimethylphenol	1800		2200	ug/Kg	122				83	144	
bis(2-Chloroethoxy)methane	1800		2000	ug/Kg	111				68	112	
2,4-Dichlorophenol	1800		2000	ug/Kg	111				72	118	
1,2,4-Trichlorobenzene	1800		1900	ug/Kg	106	*			57	103	
Benzoic acid	1800		1600	ug/Kg	89				50	104	
Naphthalene	1800		1900	ug/Kg	106				72	110	
4-Chloroaniline	1800		1300	ug/Kg	72				10	100	
Hexachlorobutadiene	1800		1900	ug/Kg	106				66	114	
Caprolactam	1800		1800	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1800		2000	ug/Kg	111				57	132	
2-Methylnaphthalene	1800		2000	ug/Kg	111				59	123	
Hexachlorocyclopentadiene	3700		5500	ug/Kg	149				10	175	
2,4,6-Trichlorophenol	1800		2100	ug/Kg	117				72	117	
2,4,5-Trichlorophenol	1800		2000	ug/Kg	111				72	117	
1,1-Biphenyl	1800		1900	ug/Kg	106				75	113	
2-Chloronaphthalene	1800		2000	ug/Kg	111				67	118	
2-Nitroaniline	1800		2000	ug/Kg	111				69	127	
Dimethylphthalate	1800		2100	ug/Kg	117	*			70	113	
Acenaphthylene	1800		2100	ug/Kg	117				79	118	
2,6-Dinitrotoluene	1800		2000	ug/Kg	111				70	125	
3-Nitroaniline	1800		1400	ug/Kg	78				20	111	
Acenaphthene	1800		2000	ug/Kg	111				70	121	
Total PAH	28800		30100	ug/Kg	105				70	121	
2,4-Dinitrophenol	3700		3300	ug/Kg	89				16	160	
4-Nitrophenol	3700		3300	ug/Kg	89				45	133	
Dibenzofuran	1800		2000	ug/Kg	111	*			72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF071224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1800		1900	ug/Kg	106				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	3600		3900	ug/Kg	108				55	128	
Diethylphthalate	1800		2100	ug/Kg	117	*			70	112	
4-Chlorophenyl-phenylether	1800		2000	ug/Kg	111	*			71	108	
Fluorene	1800		1900	ug/Kg	106				68	116	
4-Nitroaniline	1800		1700	ug/Kg	94				55	120	
4,6-Dinitro-2-methylphenol	1800		2300	ug/Kg	128				32	145	
N-Nitrosodiphenylamine	1800		2300	ug/Kg	128	*			73	118	
Azobenzene	1800		2000	ug/Kg	111	*			73	110	
4-Bromophenyl-phenylether	1800		2300	ug/Kg	128	*			65	121	
Hexachlorobenzene	1800		2200	ug/Kg	122	*			67	118	
Atrazine	1800		2100	ug/Kg	117				79	127	
Pentachlorophenol	3700		3600	ug/Kg	97				47	128	
Phenanthrene	1800		2100	ug/Kg	117	*			72	113	
Anthracene	1800		2100	ug/Kg	117				62	124	
Carbazole	1800		1800	ug/Kg	100				59	119	
Di-n-butylphthalate	1800		2300	ug/Kg	128	*			69	118	
Fluoranthene	1800		1700	ug/Kg	94				59	125	
Benzydine	3700		2400	ug/Kg	65				10	119	
Pyrene	1800		1500	ug/Kg	83				52	128	
Butylbenzylphthalate	1800		2300	ug/Kg	128	*			64	126	
3,3-Dichlorobenzidine	1800		2300	ug/Kg	128				10	164	
Benzo(a)anthracene	1800		2100	ug/Kg	117	*			71	114	
Chrysene	1800		2100	ug/Kg	117				57	121	
bis(2-Ethylhexyl)phthalate	1800		3000	ug/Kg	167	*			66	127	
Di-n-octyl phthalate	1800		3500	ug/Kg	194	*			71	126	
Benzo(b)fluoranthene	1800		2200	ug/Kg	122	*			67	121	
Benzo(k)fluoranthene	1800		2200	ug/Kg	122	*			74	114	
Benzo(a)pyrene	1800		2200	ug/Kg	122				70	142	
Indeno(1,2,3-cd)pyrene	1800		1400	ug/Kg	78				61	125	
Dibenz(a,h)anthracene	1800		1400	ug/Kg	78				67	130	
Benzo(g,h,i)perylene	1800		1200	ug/Kg	67				53	140	
1,2,4,5-Tetrachlorobenzene	1800		1900	ug/Kg	106				69	124	
1,4-Dioxane	1800		1600	ug/Kg	89				46	112	
2,3,4,6-Tetrachlorophenol	1800		2000	ug/Kg	111				56	133	
1-Methylnaphthalene	1800		1900	ug/Kg	106				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF071224

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3193-02MSD		Client Sample ID: FILL-MATERIAL-1MSD		DataFile: BF138547.D							
n-Nitrosodimethylamine	1800		2100	ug/Kg	117		5		66	124	20
Pyridine	1800		1900	ug/Kg	106		6		45	119	20
Benzaldehyde	1800		370	ug/Kg	21	*	10		26	163	20
Aniline	1800		2100	ug/Kg	117	*	10		10	88	20
Phenol	1800		2200	ug/Kg	122		4		67	126	20
bis(2-Chloroethyl)ether	1800		2200	ug/Kg	122	*	9		74	116	20
2-Chlorophenol	1800		2300	ug/Kg	128		9		61	138	20
1,2-Dichlorobenzene	1800		2100	ug/Kg	117	*	5		61	105	20
1,3-Dichlorobenzene	1800		2100	ug/Kg	117	*	10		62	101	20
1,4-Dichlorobenzene	1800		2100	ug/Kg	117	*	10		63	104	20
Benzyl Alcohol	1800		2300	ug/Kg	128	*	9		47	126	20
2-Methylphenol	1800		2200	ug/Kg	122		4		66	122	20
2,2-oxybis(1-Chloropropane)	1800		2100	ug/Kg	117	*	10		52	115	20
Acetophenone	1800		2000	ug/Kg	111		10		75	111	20
3+4-Methylphenols	1800		2200	ug/Kg	122		9		53	132	20
N-Nitroso-di-n-propylamine	1800		2200	ug/Kg	122	*	9		59	119	20
Hexachloroethane	1800		2100	ug/Kg	117		10		65	117	20
Nitrobenzene	1800		2100	ug/Kg	117		10		70	119	20
Isophorone	1800		2200	ug/Kg	122		4		76	122	20
2-Nitrophenol	1800		2300	ug/Kg	128		9		54	145	20
2,4-Dimethylphenol	1800		2400	ug/Kg	133		9		83	144	20
bis(2-Chloroethoxy)methane	1800		2200	ug/Kg	122	*	9		68	112	20
2,4-Dichlorophenol	1800		2200	ug/Kg	122	*	9		72	118	20
1,2,4-Trichlorobenzene	1800		2100	ug/Kg	117	*	10		57	103	20
Benzoic acid	1800		1800	ug/Kg	100		12		50	104	20
Naphthalene	1800		2100	ug/Kg	117	*	10		72	110	20
4-Chloroaniline	1800		1400	ug/Kg	78		8		10	100	20
Hexachlorobutadiene	1800		2000	ug/Kg	111		5		66	114	20
Caprolactam	1800		2000	ug/Kg	111		10		51	134	20
4-Chloro-3-methylphenol	1800		2200	ug/Kg	122		9		57	132	20
2-Methylnaphthalene	1800		2100	ug/Kg	117		5		59	123	20
Hexachlorocyclopentadiene	3700		5600	ug/Kg	151		1		10	175	20
2,4,6-Trichlorophenol	1800		2200	ug/Kg	122	*	4		72	117	20
2,4,5-Trichlorophenol	1800		2200	ug/Kg	122	*	9		72	117	20
1,1-Biphenyl	1800		2000	ug/Kg	111		5		75	113	20
2-Chloronaphthalene	1800		2200	ug/Kg	122	*	9		67	118	20
2-Nitroaniline	1800		2200	ug/Kg	122		9		69	127	20
Dimethylphthalate	1800		2300	ug/Kg	128	*	9		70	113	20
Acenaphthylene	1800		2300	ug/Kg	128	*	9		79	118	20
2,6-Dinitrotoluene	1800		2200	ug/Kg	122		9		70	125	20
3-Nitroaniline	1800		1500	ug/Kg	83		6		20	111	20
Acenaphthene	1800		2100	ug/Kg	117		5		70	121	20
Total PAH	28800		32600	ug/Kg	113		7		70	121	20
2,4-Dinitrophenol	3700		3600	ug/Kg	97		9		16	160	20
4-Nitrophenol	3700		3600	ug/Kg	97		9		45	133	20
Dibenzofuran	1800		2200	ug/Kg	122	*	9		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF071224

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1800		2100	ug/Kg	117		10		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	3600		4300	ug/Kg	119		10		55	128	20
Diethylphthalate	1800		2300	ug/Kg	128	*	9		70	112	20
4-Chlorophenyl-phenylether	1800		2200	ug/Kg	122	*	9		71	108	20
Fluorene	1800		2100	ug/Kg	117	*	10		68	116	20
4-Nitroaniline	1800		1900	ug/Kg	106		12		55	120	20
4,6-Dinitro-2-methylphenol	1800		2500	ug/Kg	139		8		32	145	20
N-Nitrosodiphenylamine	1800		2500	ug/Kg	139	*	8		73	118	20
Azobenzene	1800		2200	ug/Kg	122	*	9		73	110	20
4-Bromophenyl-phenylether	1800		2500	ug/Kg	139	*	8		65	121	20
Hexachlorobenzene	1800		2300	ug/Kg	128	*	5		67	118	20
Atrazine	1800		2300	ug/Kg	128	*	9		79	127	20
Pentachlorophenol	3700		3900	ug/Kg	105		8		47	128	20
Phenanthrene	1800		2200	ug/Kg	122	*	4		72	113	20
Anthracene	1800		2300	ug/Kg	128	*	9		62	124	20
Carbazole	1800		2000	ug/Kg	111		10		59	119	20
Di-n-butylphthalate	1800		2500	ug/Kg	139	*	8		69	118	20
Fluoranthene	1800		1800	ug/Kg	100		6		59	125	20
Benzydine	3700		2900	ug/Kg	78		18		10	119	20
Pyrene	1800		1700	ug/Kg	94		12		52	128	20
Butylbenzylphthalate	1800		2400	ug/Kg	133	*	4		64	126	20
3,3-Dichlorobenzidine	1800		2500	ug/Kg	139		8		10	164	20
Benzo(a)anthracene	1800		2300	ug/Kg	128	*	9		71	114	20
Chrysene	1800		2300	ug/Kg	128	*	9		57	121	20
bis(2-Ethylhexyl)phthalate	1800		3300	ug/Kg	183	*	9		66	127	20
Di-n-octyl phthalate	1800		3700	ug/Kg	206	*	6		71	126	20
Benzo(b)fluoranthene	1800		2300	ug/Kg	128	*	5		67	121	20
Benzo(k)fluoranthene	1800		2400	ug/Kg	133	*	9		74	114	20
Benzo(a)pyrene	1800		2400	ug/Kg	133		9		70	142	20
Indeno(1,2,3-cd)pyrene	1800		1500	ug/Kg	83		6		61	125	20
Dibenz(a,h)anthracene	1800		1500	ug/Kg	83		6		67	130	20
Benzo(g,h,i)perylene	1800		1300	ug/Kg	72		7		53	140	20
1,2,4,5-Tetrachlorobenzene	1800		2000	ug/Kg	111		5		69	124	20
1,4-Dioxane	1800		1700	ug/Kg	94		5		46	112	20
2,3,4,6-Tetrachlorophenol	1800		2200	ug/Kg	122		9		56	133	20
1-Methylnaphthalene	1800		2000	ug/Kg	111		5		70	130	20

Surrogate Summary

SW-846

SDG No.: **BF071224**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3183-01	N28660	BF138555.D	2-Fluorophenol	150	78.94	53		18	112
			Phenol-d6	150	74.04	49		15	107
			Nitrobenzene-d5	100	52.48	52		18	107
			2-Fluorobiphenyl	100	55.60	56		20	109
			2,4,6-Tribromophenol	150	73.02	49		10	110
			Terphenyl-d14	100	175.28	175	*	14	112
P3183-07	VNJ-229	BF138561.D	2-Fluorophenol	150	83.06	55		18	112
			Phenol-d6	150	78.49	52		15	107
			Nitrobenzene-d5	100	55.98	56		18	107
			2-Fluorobiphenyl	100	63.88	64		20	109
			2,4,6-Tribromophenol	150	78.92	53		10	110
			Terphenyl-d14	100	77.65	78		14	112
P3186-01	WC-4	BF138553.D	2-Fluorophenol	150	101.75	68		18	112
			Phenol-d6	150	101.50	68		15	107
			Nitrobenzene-d5	100	70.64	71		18	107
			2-Fluorobiphenyl	100	72.50	72		20	109
			2,4,6-Tribromophenol	150	84.97	57		10	110
			Terphenyl-d14	100	51.70	52		14	112
P3187-09	WC-3	BF138558.D	2-Fluorophenol	150	93.47	62		18	112
			Phenol-d6	150	88.18	59		15	107
			Nitrobenzene-d5	100	64.58	65		18	107
			2-Fluorobiphenyl	100	68.32	68		20	109
			2,4,6-Tribromophenol	150	90.55	60		10	110
			Terphenyl-d14	100	73.00	73		14	112
PB161988BL	PB161988BL	BF138543.D	2-Fluorophenol	150	122.04	81		18	112
			Phenol-d6	150	122.70	82		15	107
			Nitrobenzene-d5	100	82.50	82		18	107
			2-Fluorobiphenyl	100	80.75	81		20	109
			2,4,6-Tribromophenol	150	128.21	85		10	110
			Terphenyl-d14	100	91.63	92		14	112
PB161988BS	PB161988BS	BF138544.D	2-Fluorophenol	150	122.86	82		18	112
			Phenol-d6	150	120.71	80		15	107
			Nitrobenzene-d5	100	79.23	79		18	107
			2-Fluorobiphenyl	100	77.69	78		20	109
			2,4,6-Tribromophenol	150	122.35	82		10	110
			Terphenyl-d14	100	95.82	96		14	112



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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BF071224

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3183-06	VNJ-226	BF138557.D	2-Fluorophenol	150	78.14	52		10	139
			Phenol-d6	150	79.08	53		10	134
			Nitrobenzene-d5	100	62.39	62		49	133
			2-Fluorobiphenyl	100	66.63	67		52	132
			2,4,6-Tribromophenol	150	69.90	47		32	145
			Terphenyl-d14	100	72.81	73		36	145

Surrogate Summary

SW-846

SDG No.: **BF071224**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3193-02	FILL-MATERIAL- BF138545.D		2-Fluorophenol	150	121.11	81		18	112
			Phenol-d6	150	122.22	81		15	107
			Nitrobenzene-d5	100	82.99	83		18	107
			2-Fluorobiphenyl	100	87.74	88		20	109
			2,4,6-Tribromophenol	150	120.10	80		10	110
			Terphenyl-d14	100	76.08	76		14	112
P3193-02MS	FILL-MATERIAL- BF138546.D		2-Fluorophenol	150	111.22	74		18	112
			Phenol-d6	150	113.47	76		15	107
			Nitrobenzene-d5	100	76.14	76		18	107
			2-Fluorobiphenyl	100	79.80	80		20	109
			2,4,6-Tribromophenol	150	108.91	73		10	110
			Terphenyl-d14	100	74.56	75		14	112
P3193-02MSD	FILL-MATERIAL- BF138547.D		2-Fluorophenol	150	121.21	81		18	112
			Phenol-d6	150	122.19	81		15	107
			Nitrobenzene-d5	100	82.24	82		18	107
			2-Fluorobiphenyl	100	86.26	86		20	109
			2,4,6-Tribromophenol	150	118.95	79		10	110
			Terphenyl-d14	100	81.42	81		14	112
P3193-04	FILL-MATERIAL- BF138548.D		2-Fluorophenol	150	90.19	60		18	112
			Phenol-d6	150	89.90	60		15	107
			Nitrobenzene-d5	100	61.77	62		18	107
			2-Fluorobiphenyl	100	64.99	65		20	109
			2,4,6-Tribromophenol	150	78.99	53		10	110
			Terphenyl-d14	100	56.06	56		14	112
P3193-06	FILL-MATERIAL- BF138549.D		2-Fluorophenol	150	91.88	61		18	112
			Phenol-d6	150	91.62	61		15	107
			Nitrobenzene-d5	100	62.60	63		18	107
			2-Fluorobiphenyl	100	66.59	67		20	109
			2,4,6-Tribromophenol	150	78.84	53		10	110
			Terphenyl-d14	100	54.83	55		14	112
P3207-01	CHRT-26899	BF138552.D	2-Fluorophenol	150	72.22	48		18	112
			Phenol-d6	150	67.82	45		15	107
			Nitrobenzene-d5	100	49.87	50		18	107
			2-Fluorobiphenyl	100	40.30	40		20	109
			2,4,6-Tribromophenol	150	65.23	43		10	110
			Terphenyl-d14	100	26.14	26		14	112
P3207-03	RBR2520700	BF138554.D	2-Fluorophenol	150	83.62	56		18	112
			Phenol-d6	150	82.43	55		15	107
			Nitrobenzene-d5	100	59.52	60		18	107
			2-Fluorobiphenyl	100	69.97	70		20	109
			2,4,6-Tribromophenol	150	70.85	47		10	110
			Terphenyl-d14	100	46.53	47		14	112
P3207-05	CHRT-24849	BF138551.D	2-Fluorophenol	150	81.93	55		18	112
			Phenol-d6	150	81.64	54		15	107
			Nitrobenzene-d5	100	58.88	59		18	107
			2-Fluorobiphenyl	100	70.33	70		20	109
			2,4,6-Tribromophenol	150	67.02	45		10	110
			Terphenyl-d14	100	48.29	48		14	112
P3207-07	RT-2929	BF138556.D	2-Fluorophenol	150	87.37	58		18	112

Surrogate Summary

SW-846

SDG No.: **BF071224**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3207-07	RT-2929	BF138556.D	Phenol-d6	150	82.57	55		15	107
			Nitrobenzene-d5	100	76.54	77		18	107
			2-Fluorobiphenyl	100	45.86	46		20	109
			2,4,6-Tribromophenol	150	63.80	43		10	110
			Terphenyl-d14	100	107.96	108		14	112
P3208-05	CONC-PADS	BF138550.D	2-Fluorophenol	150	75.40	50		18	112
			Phenol-d6	150	82.60	55		15	107
			Nitrobenzene-d5	100	65.01	65		18	107
			2-Fluorobiphenyl	100	71.75	72		20	109
			2,4,6-Tribromophenol	150	62.28	42		10	110
P3211-01	TR-04-07102024	BF138559.D	Terphenyl-d14	100	59.57	60		14	112
			2-Fluorophenol	150	108.22	72		18	112
			Phenol-d6	150	99.23	66		15	107
			Nitrobenzene-d5	100	68.38	68		18	107
			2-Fluorobiphenyl	100	92.56	93		20	109
P3211-03	TR-05-07102024	BF138560.D	2,4,6-Tribromophenol	150	109.96	73		10	110
			Terphenyl-d14	100	81.86	82		14	112
			2-Fluorophenol	150	81.72	54		18	112
			Phenol-d6	150	78.17	52		15	107
			Nitrobenzene-d5	100	52.75	53		18	107
PB162009BL	PB162009BL	BF138541.D	2-Fluorobiphenyl	100	60.90	61		20	109
			2,4,6-Tribromophenol	150	76.16	51		10	110
			Terphenyl-d14	100	83.10	83		14	112
			2-Fluorophenol	150	121.03	81		18	112
			Phenol-d6	150	122.19	81		15	107
PB162009BS	PB162009BS	BF138542.D	Nitrobenzene-d5	100	82.25	82		18	107
			2-Fluorobiphenyl	100	80.91	81		20	109
			2,4,6-Tribromophenol	150	130.38	87		10	110
			Terphenyl-d14	100	89.52	90		14	112
			2-Fluorophenol	150	128.21	85		18	112
			Phenol-d6	150	127.04	85		15	107
			Nitrobenzene-d5	100	83.47	83		18	107
			2-Fluorobiphenyl	100	83.57	84		20	109
			2,4,6-Tribromophenol	150	130.67	87		10	110
			Terphenyl-d14	100	102.74	103		14	112



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

Surrogate Summary

SW-846

SDG No.: BF071224

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3227-01	EO-03-07112024	BF138562.D	2-Fluorophenol	150	83.78	56		18	112
			Phenol-d6	150	79.17	53		15	107
			Nitrobenzene-d5	100	58.34	58		18	107
			2-Fluorobiphenyl	100	61.83	62		20	109
			2,4,6-Tribromophenol	150	79.17	53		10	110
			Terphenyl-d14	100	64.72	65		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF071224

Lab Code: CHEM

SAS No.: BF071224 SDG NO.: BF071224

Lab File ID: BF138539.D

DFTPP Injection Date: 07/12/2024

Instrument ID: BNA_F

DFTPP Injection Time: 11:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45.1
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	27.8
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	97.3
443	15.0 - 24.0% of mass 442	18.1 (18.6) 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	BF138540.D	07/12/2024	11:53
PB162009BL	PB162009BL	BF138541.D	07/12/2024	12:23
PB162009BS	PB162009BS	BF138542.D	07/12/2024	12:53
PB161988BL	PB161988BL	BF138543.D	07/12/2024	13:23
PB161988BS	PB161988BS	BF138544.D	07/12/2024	13:56
FILL-MATERIAL-1	P3193-02	BF138545.D	07/12/2024	14:33
FILL-MATERIAL-1MS	P3193-02MS	BF138546.D	07/12/2024	15:03
FILL-MATERIAL-1MSD	P3193-02MSD	BF138547.D	07/12/2024	15:33
FILL-MATERIAL-2	P3193-04	BF138548.D	07/12/2024	16:03
FILL-MATERIAL-3	P3193-06	BF138549.D	07/12/2024	16:34
CONC-PADS	P3208-05	BF138550.D	07/12/2024	17:04
CHRT-24849	P3207-05	BF138551.D	07/12/2024	17:35
CHRT-26899	P3207-01	BF138552.D	07/12/2024	18:05
WC-4	P3186-01	BF138553.D	07/12/2024	18:36
RBR2520700	P3207-03	BF138554.D	07/12/2024	19:06
N28660	P3183-01	BF138555.D	07/12/2024	19:37
RT-2929	P3207-07	BF138556.D	07/12/2024	20:08
VNJ-226	P3183-06	BF138557.D	07/12/2024	20:39

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF071224

Lab Code: CHEM

SAS No.: BF071224

SDG NO.: BF071224

Lab File ID: BF138539.D

DFTPP Injection Date: 07/12/2024

Instrument ID: BNA_F

DFTPP Injection Time: 11:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45.1
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	27.8
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	97.3
443	15.0 - 24.0% of mass 442	18.1 (18.6) 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
WC-3	P3187-09	BF138558.D	07/12/2024	21:09
TR-04-07102024	P3211-01	BF138559.D	07/12/2024	21:39
TR-05-07102024	P3211-03	BF138560.D	07/12/2024	22:10
VNJ-229	P3183-07	BF138561.D	07/12/2024	22:41
EO-03-07112024	P3227-01	BF138562.D	07/12/2024	23:12