

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF072924 SAS No.: BF072924 SDG No.: BF072924
Instrument ID: BNA_F Calibration Date/Time: 7/29/2024 1:12:56
Lab File ID: BF138668.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	0.865		-3.675	
Pyridine	1.379	1.484		7.614	
2-Fluorophenol	1.263	1.298		2.771	
Benzaldehyde	0.899	0.843		-6.229	
Aniline	1.573	1.591		1.144	
Phenol-d6	1.680	1.748		4.048	
Phenol	1.783	1.855		4.038	20.0
bis(2-Chloroethyl) ether	1.343	1.371		2.085	
2-Chlorophenol	1.335	1.365		2.247	
1,2-Dichlorobenzene	1.420	1.409		-0.775	
1,3-Dichlorobenzene	1.501	1.490		-0.733	
1,4-Dichlorobenzene	1.524	1.502		-1.444	20.0
Benzyl Alcohol	1.261	1.264		0.238	
2-Methylphenol	1.094	1.135		3.748	
2,2-oxybis(1-Chloropropane)	2.640	2.339		-11.402	
Acetophenone	0.486	0.483		-0.617	
3+4-Methylphenols	1.378	1.384		0.435	
n-Nitroso-di-n-propylamine	1.038	1.012	0.050	-2.505	
Nitrobenzene-d5	0.407	0.417		2.457	
Hexachloroethane	0.560	0.549		-1.964	
Nitrobenzene	0.414	0.417		0.725	
Isophorone	0.700	0.701		0.143	
2-Nitrophenol	0.177	0.189		6.78	20.0
2,4-Dimethylphenol	0.218	0.224		2.752	
bis(2-Chloroethoxy) methane	0.418	0.418		0.0	
2,4-Dichlorophenol	0.283	0.281		-0.707	20.0
1,2,4-Trichlorobenzene	0.330	0.313		-5.152	
Benzoic acid	0.208	0.207		-0.481	
Naphthalene	1.040	1.047		0.673	
4-Chloroaniline	0.365	0.363		-0.548	
Hexachlorobutadiene	0.203	0.182		-10.345	20.0
Caprolactam	0.091	0.099		8.791	
4-Chloro-3-methylphenol	0.317	0.332		4.732	20.0
2-Methylnaphthalene	0.669	0.657		-1.794	
Hexachlorocyclopentadiene	0.181	0.178	0.050	-1.657	
2,4,6-Trichlorophenol	0.356	0.347		-2.528	20.0
2-Fluorobiphenyl	1.280	1.235		-3.516	
2,4,5-Trichlorophenol	0.391	0.368		-5.882	
1,1-Biphenyl	1.516	1.511		-0.33	

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Lab File ID: BF138668.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	1.139		-0.524	
2-Nitroaniline	0.397	0.432		8.816	
Dimethylphthalate	1.293	1.289		-0.309	
Acenaphthylene	1.626	1.641		0.923	
2,6-Dinitrotoluene	0.298	0.307		3.02	
3-Nitroaniline	0.305	0.318		4.262	
Acenaphthene	1.081	1.122		3.793	20.0
2,4-Dinitrophenol	0.141	0.139	0.050	-1.418	
4-Nitrophenol	0.225	0.224	0.050	-0.444	
Dibenzofuran	1.567	1.563		-0.255	
2,4-Dinitrotoluene	0.385	0.408		5.974	
Diethylphthalate	1.247	1.243		-0.321	
4-Chlorophenyl-phenylether	0.623	0.596		-4.334	
Fluorene	1.240	1.240		0.0	
4-Nitroaniline	0.306	0.330		7.843	
4,6-Dinitro-2-methylphenol	0.115	0.123		6.957	
n-Nitrosodiphenylamine	0.599	0.593		-1.002	20.0
Azobenzene	1.340	1.373		2.463	
2,4,6-Tribromophenol	0.187	0.190		1.604	
4-Bromophenyl-phenylether	0.206	0.196		-4.854	
Hexachlorobenzene	0.228	0.222		-2.632	
Atrazine	0.199	0.171		-14.07	
Pentachlorophenol	0.135	0.119		-11.852	20.0
Phenanthrene	1.010	1.006		-0.396	
Anthracene	1.003	1.003		0.0	
Carbazole	0.901	0.931		3.33	
Di-n-butylphthalate	1.039	1.042		0.289	
Fluoranthene	1.031	1.039		0.776	20.0
Benzidine	0.505	0.430		-14.851	
Pyrene	2.030	1.941		-4.384	
Terphenyl-d14	1.228	1.158		-5.7	
Butylbenzylphthalate	0.611	0.660		8.02	
3,3-Dichlorobenzidine	0.346	0.347		0.289	
Benzo(a)anthracene	1.342	1.371		2.161	
Chrysene	1.270	1.217		-4.173	
Bis(2-ethylhexyl)phthalate	0.651	0.762		17.051	
Di-n-octyl phthalate	1.029	1.068		3.79	20.0
Benzo(b)fluoranthene	1.126	0.976		-13.321	
Benzo(k)fluoranthene	1.099	0.735		-33.121	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF072924 SAS No.: BF072924 SDG No.: BF072924

Instrument ID: BNA_F Calibration Date/Time: 7/29/2024 12:56

Lab File ID: BF138668.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	0.989		0.0	20.0
Indeno(1,2,3-cd)pyrene	1.343	1.384		3.053	
Dibenzo(a,h)anthracene	1.099	1.110		1.001	
Benzo(g,h,i)perylene	1.165	1.192		2.318	
1,2,4,5-Tetrachlorobenzene	0.557	0.534		-4.129	
1,4-Dioxane	0.559	0.610		9.123	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.297		-3.883	
1-Methylnaphthalene	0.653	0.644		-1.378	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	7/20/2024 12:00:00 AM
Project:		Date Received:	7/20/2024 12:00:00 AM
Client Sample ID:	PB162188BL	SDG No.:	BF072924
Lab Sample ID:	PB162188BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138669.D	1	7/20/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162188

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:	7/20/2024 12:00:00 AM
Project:		Date Received:	7/20/2024 12:00:00 AM
Client Sample ID:	PB162188BL	SDG No.:	BF072924
Lab Sample ID:	PB162188BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138669.D	1	7/20/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162188

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:	7/20/2024 12:00:00 AM
Project:		Date Received:	7/20/2024 12:00:00 AM
Client Sample ID:	PB162188BL	SDG No.:	BF072924
Lab Sample ID:	PB162188BL	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
BF138669.D	1	7/20/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162188

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	177.25	*	18-112		118	SPK: -150
13127-88-3	Phenol-d6	145.017		15-107		97	SPK: -150
4165-60-0	Nitrobenzene-d5	94.5		18-107		94	SPK: -100
321-60-8	2-Fluorobiphenyl	90.806		20-109		91	SPK: -100

Report of Analysis

Client:		Date Collected:	7/20/2024 12:00:00 AM
Project:		Date Received:	7/20/2024 12:00:00 AM
Client Sample ID:	PB162188BL	SDG No.:	BF072924
Lab Sample ID:	PB162188BL	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
BF138669.D	1	7/20/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	176.424	*	10-110		118	SPK: -150
1718-51-0	Terphenyl-d14	116.057	*	14-112		116	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	90272	6.845				
1146-65-2	Naphthalene-d8	374913	8.128				
15067-26-2	Acenaphthene-d10	212785	9.886				
1517-22-2	Phenanthrene-d10	482771	11.374				
1719-03-5	Chrysene-d12	210180	14.015				
1520-96-3	Perylene-d12	175299	15.486				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	160	J			2.234	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	310	A			5.098	
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	220	J			17.039	

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	EO-01-072524	SDG No.:	BF072924
Lab Sample ID:	P3363-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
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
BF138670.D	2	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	360	440	ug/Kg
110-86-1	Pyridine	110	U	110	170	230	ug/Kg
100-52-7	Benzaldehyde	240	U	240	360	440	ug/Kg
62-53-3	Aniline	130	U	130	170	230	ug/Kg
108-95-2	Phenol	110	U	110	170	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	170	230	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	170	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	170	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	170	230	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	360	440	ug/Kg
95-48-7	2-Methylphenol	110	U	110	170	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	170	230	ug/Kg
98-86-2	Acetophenone	120	U	120	170	230	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.1	U	54.1	110	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	170	230	ug/Kg
98-95-3	Nitrobenzene	120	U	120	170	230	ug/Kg
78-59-1	Isophorone	110	U	110	170	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	170	230	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	170	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	170	230	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	170	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	170	230	ug/Kg
65-85-0	Benzoic acid	320	U	320	360	440	ug/Kg
91-20-3	Naphthalene	110	U	110	170	230	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	170	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	230	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	EO-01-072524	SDG No.:	BF072924
Lab Sample ID:	P3363-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
Sample Wt/Vol:	50.04 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
BF138670.D	2	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	360	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	170	230	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	170	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	360	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	95.8	U	95.8	170	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	99.2	U	99.2	170	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	170	230	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	230	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	170	230	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	170	230	ug/Kg
208-96-8	Acenaphthylene	120	U	120	170	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	170	230	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	170	230	ug/Kg
83-32-9	Acenaphthene	110	U	110	170	230	ug/Kg
Total PAH	Total PAH	2020	U	1770	170	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	330	360	440	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	360	440	ug/Kg
132-64-9	Dibenzofuran	110	U	110	170	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	170	460	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	170	230	ug/Kg
84-66-2	Diethylphthalate	110	U	110	170	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	170	230	ug/Kg
86-73-7	Fluorene	110	U	110	170	230	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	360	440	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	170	230	ug/Kg
103-33-3	Azobenzene	110	U	110	170	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	170	230	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	170	230	ug/Kg
1912-24-9	Atrazine	120	U	120	170	230	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	EO-01-072524	SDG No.:	BF072924
Lab Sample ID:	P3363-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
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
BF138670.D	2	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	U	100	360	440	ug/Kg
85-01-8	Phenanthrene	120	J	110	170	230	ug/Kg
120-12-7	Anthracene	110	U	110	170	230	ug/Kg
86-74-8	Carbazole	110	U	110	170	230	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	170	230	ug/Kg
206-44-0	Fluoranthene	360		110	170	230	ug/Kg
92-87-5	Benzidine	220	U	220	360	440	ug/Kg
129-00-0	Pyrene	290		110	170	230	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	170	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	360	440	ug/Kg
56-55-3	Benzo(a)anthracene	220	J	110	170	230	ug/Kg
218-01-9	Chrysene	170	J	110	170	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	170	230	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	360	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	270		110	170	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	J	110	170	230	ug/Kg
50-32-8	Benzo(a)pyrene	220	J	120	170	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	J	100	170	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	170	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	J	110	170	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	170	230	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	170	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	170	230	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	73.588		18-112		49	SPK: -150
13127-88-3	Phenol-d6	73.356		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	52.644		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	60.074		20-109		60	SPK: -100

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	EO-01-072524	SDG No.:	BF072924
Lab Sample ID:	P3363-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.6
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
BF138670.D	2	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	57.292		10-110		38	SPK: -150
1718-51-0	Terphenyl-d14	55.76		14-112		56	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	93518	6.845				
1146-65-2	Naphthalene-d8	330079	8.128				
15067-26-2	Acenaphthene-d10	138905	9.886				
1517-22-2	Phenanthrene-d10	193361	11.375				
1719-03-5	Chrysene-d12	126308	14.021				
1520-96-3	Perylene-d12	100939	15.492				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	98.4	A			5.057	
000629-59-4	Tetradecane	150	J			9.286	
000544-76-3	Hexadecane	100	J			9.604	
000629-62-9	Pentadecane	190	J			9.816	
000112-95-8	Eicosane	230	J			10.316	
000593-49-7	Heptacosane	170	J			10.533	
000629-78-7	Heptadecane	460	J			10.792	
000593-45-3	Octadecane	250	J			11.239	
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	180	J			11.269	
000629-50-5	Tridecane	190	J			11.663	
005129-60-2	Pentadecanoic acid, 14-methyl-, me	370	J			11.763	
000057-10-3	n-Hexadecanoic acid	470	J			11.904	
000629-92-5	Nonadecane	150	J			12.069	
001937-62-8	9-Octadecenoic acid, methyl ester,	2200	J			12.475	
000057-11-4	Octadecanoic acid	220	J			12.692	
056862-62-5	10-Methylnonadecane	170	J			13.192	

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	S-852-GI-SO-9.5-10-072624	SDG No.:	BF072924
Lab Sample ID:	P3393-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	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
BF138671.D	1	7/29/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162342

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:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	S-852-GI-SO-9.5-10-072624	SDG No.:	BF072924
Lab Sample ID:	P3393-11	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
BF138671.D	1	7/29/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162342

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	71.3	U	71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.9	U	73.9	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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.2	U	169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	130	170	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:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	S-852-GI-SO-9.5-10-072624	SDG No.:	BF072924
Lab Sample ID:	P3393-11	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
BF138671.D	1	7/29/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162342

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	74.6	U	74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	119.213		18-112		79	SPK: -150
13127-88-3	Phenol-d6	121.265		15-107		81	SPK: -150
4165-60-0	Nitrobenzene-d5	80.932		18-107		81	SPK: -100
321-60-8	2-Fluorobiphenyl	86.302		20-109		86	SPK: -100

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	S-852-GI-SO-9.5-10-072624	SDG No.:	BF072924
Lab Sample ID:	P3393-11	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
BF138671.D	1	7/29/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	95.239		10-110		63	SPK: -150
1718-51-0	Terphenyl-d14	68.536		14-112		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	100902	6.851				
1146-65-2	Naphthalene-d8	387638	8.128				
15067-26-2	Acenaphthene-d10	192030	9.886				
1517-22-2	Phenanthrene-d10	264937	11.374				
1719-03-5	Chrysene-d12	183739	14.015				
1520-96-3	Perylene-d12	137338	15.486				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2600	J			2.163	
000079-01-6	Trichloroethylene	350	J			2.522	
004254-15-3	(S)-(+)-1,2-Propanediol	130	J			3.393	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	A			5.081	
000770-35-4	1-Phenoxypropan-2-ol	110	J			8.445	
	unknown9.980	130	J			9.98	
000057-10-3	n-Hexadecanoic acid	160	J			11.904	
006222-03-3	Trifluoroacetoxy hexadecane	320	J			13.868	

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	S-852-GI-SO-9.5-10-072624MS	SDG No.:	BF072924
Lab Sample ID:	P3393-12MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.07 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
BF138672.D	1	7/29/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.6	270	330	ug/Kg
110-86-1	Pyridine	1300		79.7	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	1400		96.7	130	170	ug/Kg
108-95-2	Phenol	1600		82.7	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		83.5	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.3	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.4	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		85.8	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		86.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		82.8	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.4	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.7	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.6	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.2	79.8	79.8	ug/Kg
67-72-1	Hexachloroethane	1400		82.8	130	170	ug/Kg
98-95-3	Nitrobenzene	1600		90.6	130	170	ug/Kg
78-59-1	Isophorone	1600		84.4	130	170	ug/Kg
88-75-5	2-Nitrophenol	1500		94.3	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		93	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		85.6	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.3	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.2	130	170	ug/Kg
65-85-0	Benzoic acid	950		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	1000		82.4	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.1	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	S-852-GI-SO-9.5-10-072624MS	SDG No.:	BF072924
Lab Sample ID:	P3393-12MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.07 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
BF138672.D	1	7/29/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1400		86.6	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.3	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.3	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1100		160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.2	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		73.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.1	130	170	ug/Kg
88-74-4	2-Nitroaniline	1700		94.8	130	170	ug/Kg
131-11-3	Dimethylphthalate	1800		81.5	130	170	ug/Kg
208-96-8	Acenaphthylene	1700		86.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83	130	170	ug/Kg
99-09-2	3-Nitroaniline	1300		89	130	170	ug/Kg
83-32-9	Acenaphthene	1500		80.9	130	170	ug/Kg
Total PAH	Total PAH	25400		1321.9	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	670		240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2400		120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.2	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		86	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2900		169	130	340	ug/Kg
84-66-2	Diethylphthalate	1600		79.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.4	130	170	ug/Kg
86-73-7	Fluorene	1400		85.3	130	170	ug/Kg
100-01-6	4-Nitroaniline	1300		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	550		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		81.4	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		78.7	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		84.8	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	S-852-GI-SO-9.5-10-072624MS	SDG No.:	BF072924
Lab Sample ID:	P3393-12MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.07 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
BF138672.D	1	7/29/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2600		77.1	270	330	ug/Kg
85-01-8	Phenanthrene	1700		83.8	130	170	ug/Kg
120-12-7	Anthracene	1700		84.2	130	170	ug/Kg
86-74-8	Carbazole	1700		80.1	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1800		84.1	130	170	ug/Kg
206-44-0	Fluoranthene	1700		81.5	130	170	ug/Kg
92-87-5	Benzidine	2900	E	160	270	330	ug/Kg
129-00-0	Pyrene	1300		82.8	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1900		96.6	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2000		98.4	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.5	130	170	ug/Kg
218-01-9	Chrysene	1600		79.3	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2400		90.8	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	2400		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		80.9	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		82.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		92.8	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		77.9	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		79.9	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.6	130	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1300		74.5	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	106.915		18-112		71	SPK: -150
13127-88-3	Phenol-d6	107.601		15-107		72	SPK: -150
4165-60-0	Nitrobenzene-d5	72.896		18-107		73	SPK: -100
321-60-8	2-Fluorobiphenyl	75.418		20-109		75	SPK: -100

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	S-852-GI-SO-9.5-10-072624MS	SDG No.:	BF072924
Lab Sample ID:	P3393-12MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.07 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
BF138672.D	1	7/29/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	89.878		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	68.993		14-112		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	95522	6.851				
1146-65-2	Naphthalene-d8	358163	8.134				
15067-26-2	Acenaphthene-d10	158180	9.892				
1517-22-2	Phenanthrene-d10	216292	11.38				
1719-03-5	Chrysene-d12	145285	14.022				
1520-96-3	Perylene-d12	107531	15.486				

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	S-852-GI-SO-9.5-10-072624MSD	SDG No.:	BF072924
Lab Sample ID:	P3393-13MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.09 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
BF138673.D	1	7/29/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.5	270	330	ug/Kg
110-86-1	Pyridine	1400		79.7	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	1400		96.6	130	170	ug/Kg
108-95-2	Phenol	1600		82.7	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		83.4	130	170	ug/Kg
95-57-8	2-Chlorophenol	1700		83.3	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.3	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		85.7	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		86.2	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		82.8	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.4	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.6	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.6	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.2	79.8	79.8	ug/Kg
67-72-1	Hexachloroethane	1400		82.8	130	170	ug/Kg
98-95-3	Nitrobenzene	1600		90.5	130	170	ug/Kg
78-59-1	Isophorone	1700		84.3	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.2	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		92.9	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		85.5	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.3	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		85.1	130	170	ug/Kg
65-85-0	Benzoic acid	970		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	960		82.4	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.1	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	S-852-GI-SO-9.5-10-072624MSD	SDG No.:	BF072924
Lab Sample ID:	P3393-13MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.09 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
BF138673.D	1	7/29/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1400		86.5	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.3	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.3	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1300		160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.2	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		73.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.1	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.1	130	170	ug/Kg
88-74-4	2-Nitroaniline	1700		94.7	130	170	ug/Kg
131-11-3	Dimethylphthalate	1800		81.5	130	170	ug/Kg
208-96-8	Acenaphthylene	1700		86.2	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83	130	170	ug/Kg
99-09-2	3-Nitroaniline	1300		88.9	130	170	ug/Kg
83-32-9	Acenaphthene	1600		80.9	130	170	ug/Kg
Total PAH	Total PAH	25000		1321.4	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	840		240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2500		120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.1	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		85.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3000		168.9	130	340	ug/Kg
84-66-2	Diethylphthalate	1600		79.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.3	130	170	ug/Kg
86-73-7	Fluorene	1400		85.2	130	170	ug/Kg
100-01-6	4-Nitroaniline	1300		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	700		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		81.4	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		78.7	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		84.7	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.1	130	170	ug/Kg



Client:				Date Collected:	7/26/2024 12:00:00 AM	
Project:				Date Received:	7/26/2024 12:00:00 AM	
Client Sample ID:	S-852-GI-SO-9.5-10-072624MSD			SDG No.:	BF072924	
Lab Sample ID:	P3393-13MSD			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.09	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
BF138673.D	1	7/29/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2700	E	77.1	270	330	ug/Kg
85-01-8	Phenanthrene	1700		83.7	130	170	ug/Kg
120-12-7	Anthracene	1700		84.1	130	170	ug/Kg
86-74-8	Carbazole	1700		80.1	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1900		84	130	170	ug/Kg
206-44-0	Fluoranthene	1700		81.5	130	170	ug/Kg
92-87-5	Benzidine	2900	E	160	270	330	ug/Kg
129-00-0	Pyrene	1300		82.8	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1900		96.5	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2000		98.3	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1700		80.5	130	170	ug/Kg
218-01-9	Chrysene	1700		79.3	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2500		90.7	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	2500		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		80.9	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		82.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		92.7	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		77.9	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		79.9	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.5	130	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1300		74.5	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	110.052		18-112		73	SPK: -150
13127-88-3	Phenol-d6	110.068		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	73.797		18-107		74	SPK: -100
321-60-8	2-Fluorobiphenyl	75.874		20-109		76	SPK: -100

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	S-852-GI-SO-9.5-10-072624MSD	SDG No.:	BF072924
Lab Sample ID:	P3393-13MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.09 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
BF138673.D	1	7/29/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	90.42		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	67.624		14-112		68	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	95941	6.851				
1146-65-2	Naphthalene-d8	365537	8.134				
15067-26-2	Acenaphthene-d10	162846	9.892				
1517-22-2	Phenanthrene-d10	219571	11.38				
1719-03-5	Chrysene-d12	150036	14.021				
1520-96-3	Perylene-d12	139984	15.486				

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	VNJ-220	SDG No.:	BF072924
Lab Sample ID:	P3362-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.1
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
BF138674.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	56.6	U	56.6	180	220	ug/Kg
110-86-1	Pyridine	52.1	U	52.1	84.8	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	63.2	U	63.2	84.8	110	ug/Kg
108-95-2	Phenol	54.1	U	54.1	84.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	54.6	U	54.6	84.8	110	ug/Kg
95-57-8	2-Chlorophenol	54.5	U	54.5	84.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.2	U	55.2	84.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.1	U	56.1	84.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.4	U	56.4	84.8	110	ug/Kg
100-51-6	Benzyl Alcohol	54.1	U	54.1	180	220	ug/Kg
95-48-7	2-Methylphenol	52.6	U	52.6	84.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	59.3	U	59.3	84.8	110	ug/Kg
98-86-2	Acetophenone	56.7	U	56.7	84.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	52	U	52	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.3	U	26.3	52.2	52.2	ug/Kg
67-72-1	Hexachloroethane	54.1	U	54.1	84.8	110	ug/Kg
98-95-3	Nitrobenzene	59.2	U	59.2	84.8	110	ug/Kg
78-59-1	Isophorone	55.2	U	55.2	84.8	110	ug/Kg
88-75-5	2-Nitrophenol	61.6	U	61.6	84.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	60.8	U	60.8	84.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	56	U	56	84.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.2	U	49.2	84.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55.7	U	55.7	84.8	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	180	220	ug/Kg
91-20-3	Naphthalene	53.9	U	53.9	84.8	110	ug/Kg
106-47-8	4-Chloroaniline	53.9	U	53.9	84.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	54.3	U	54.3	84.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	VNJ-220	SDG No.:	BF072924
Lab Sample ID:	P3362-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.1
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
BF138674.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	56.6	U	56.6	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50.5	U	50.5	84.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	64.2	J	53.8	84.8	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.6	U	46.6	84.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48.3	U	48.3	84.8	110	ug/Kg
92-52-4	1,1-Biphenyl	150		57	84.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	54.3	U	54.3	84.8	110	ug/Kg
88-74-4	2-Nitroaniline	62	U	62	84.8	110	ug/Kg
131-11-3	Dimethylphthalate	53.3	U	53.3	84.8	110	ug/Kg
208-96-8	Acenaphthylene	56.4	U	56.4	84.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	54.3	U	54.3	84.8	110	ug/Kg
99-09-2	3-Nitroaniline	58.2	U	58.2	84.8	110	ug/Kg
83-32-9	Acenaphthene	780		52.9	84.8	110	ug/Kg
Total PAH	Total PAH	9680.3		864.3	84.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	75.7	U	75.7	180	220	ug/Kg
132-64-9	Dibenzofuran	560		55	84.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	10.5	U	110.5	84.8	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.2	U	56.2	84.8	110	ug/Kg
84-66-2	Diethylphthalate	52.2	U	52.2	84.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55.8	U	55.8	84.8	110	ug/Kg
86-73-7	Fluorene	930		55.8	84.8	110	ug/Kg
100-01-6	4-Nitroaniline	69.8	U	69.8	84.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	76.3	U	76.3	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	53.2	U	53.2	84.8	110	ug/Kg
103-33-3	Azobenzene	51.9	U	51.9	84.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51.5	U	51.5	84.8	110	ug/Kg
118-74-1	Hexachlorobenzene	55.4	U	55.4	84.8	110	ug/Kg
1912-24-9	Atrazine	59.6	U	59.6	84.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	VNJ-220	SDG No.:	BF072924
Lab Sample ID:	P3362-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.1
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
BF138674.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	50.4	U	50.4	180	220	ug/Kg
85-01-8	Phenanthrene	3200	E	54.8	84.8	110	ug/Kg
120-12-7	Anthracene	410		55	84.8	110	ug/Kg
86-74-8	Carbazole	190		52.4	84.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	55	U	55	84.8	110	ug/Kg
206-44-0	Fluoranthene	1900	E	53.3	84.8	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	970		54.1	84.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	63.1	U	63.1	84.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	64.3	U	64.3	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	430		52.6	84.8	110	ug/Kg
218-01-9	Chrysene	330		51.9	84.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.4	U	59.4	84.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	71.7	U	71.7	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	310		52.9	84.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	110		53.9	84.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	170		60.7	84.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	70.1	J	50.9	84.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	53	U	53	84.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	70.2	J	52.2	84.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56.6	U	56.6	84.8	110	ug/Kg
123-91-1	1,4-Dioxane	71.7	U	71.7	84.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.7	U	48.7	84.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	120		54.3	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.877		18-112		62	SPK: -150
13127-88-3	Phenol-d6	92.973		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	64.883		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	72.772		20-109		73	SPK: -100

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	VNJ-220	SDG No.:	BF072924
Lab Sample ID:	P3362-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.1
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
BF138674.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	73.017		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	64.861		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	94297	6.845				
1146-65-2	Naphthalene-d8	356469	8.128				
15067-26-2	Acenaphthene-d10	154368	9.886				
1517-22-2	Phenanthrene-d10	204156	11.38				
1719-03-5	Chrysene-d12	141178	14.021				
1520-96-3	Perylene-d12	108093	15.486				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1700	J			2.152	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	120	A			5.075	
000575-43-9	Naphthalene, 1,6-dimethyl-	170	J			9.469	
000581-42-0	Naphthalene, 2,6-dimethyl-	180	J			9.545	
000582-16-1	Naphthalene, 2,7-dimethyl-	77.2	J			9.575	
000581-40-8	Naphthalene, 2,3-dimethyl-	78.7	J			9.663	
	unknown9.986	360	J			9.986	
000829-26-5	Naphthalene, 2,3,6-trimethyl-	57.8	J			10.292	
000643-93-6	1,1-Biphenyl, 3-methyl-	180	J			10.522	
003218-36-8	[1,1-Biphenyl]-4-carboxaldehyde	180	J			10.592	
000203-64-5	4H-Cyclopenta[def]phenanthrene	76.7	J			11.992	
002381-21-7	Pyrene, 1-methyl-	83.5	J			13.039	
000238-84-6	11H-Benzo[a]fluorene	170	J			13.151	
000243-17-4	11H-Benzo[b]fluorene	120	J			13.216	
	unknown13.798	150	J			13.798	
000295-48-7	Cyclopentadecane	88.7	J			13.868	
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	95.2	J			14.639	
1000130-92-0	E-7-Octadecene	190	J			15.168	
000192-97-2	Benzo[e]pyrene	130	J			15.363	

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	VNJ-220	SDG No.:	BF072924
Lab Sample ID:	P3362-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.1
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
BF138674.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000629-94-7	Heneicosane	82.2	J			15.939	

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	72-11978	SDG No.:	BF072924
Lab Sample ID:	P3362-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
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
BF138675.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54.3	U	54.3	170	210	ug/Kg
110-86-1	Pyridine	50	U	50	81.3	110	ug/Kg
100-52-7	Benzaldehyde	110	U	110	170	210	ug/Kg
62-53-3	Aniline	60.6	U	60.6	81.3	110	ug/Kg
108-95-2	Phenol	51.8	U	51.8	81.3	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	52.3	U	52.3	81.3	110	ug/Kg
95-57-8	2-Chlorophenol	52.2	U	52.2	81.3	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	52.9	U	52.9	81.3	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	53.8	U	53.8	81.3	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.1	U	54.1	81.3	110	ug/Kg
100-51-6	Benzyl Alcohol	51.9	U	51.9	170	210	ug/Kg
95-48-7	2-Methylphenol	50.4	U	50.4	81.3	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	56.8	U	56.8	81.3	110	ug/Kg
98-86-2	Acetophenone	54.3	U	54.3	81.3	110	ug/Kg
65794-96-9	3+4-Methylphenols	49.9	U	49.9	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.2	U	25.2	50	50	ug/Kg
67-72-1	Hexachloroethane	51.9	U	51.9	81.3	110	ug/Kg
98-95-3	Nitrobenzene	56.8	U	56.8	81.3	110	ug/Kg
78-59-1	Isophorone	52.9	U	52.9	81.3	110	ug/Kg
88-75-5	2-Nitrophenol	59.1	U	59.1	81.3	110	ug/Kg
105-67-9	2,4-Dimethylphenol	58.3	U	58.3	81.3	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	53.6	U	53.6	81.3	110	ug/Kg
120-83-2	2,4-Dichlorophenol	47.2	U	47.2	81.3	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.4	U	53.4	81.3	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	51.6	U	51.6	81.3	110	ug/Kg
106-47-8	4-Chloroaniline	51.6	U	51.6	81.3	110	ug/Kg
87-68-3	Hexachlorobutadiene	52.1	U	52.1	81.3	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	72-11978	SDG No.:	BF072924
Lab Sample ID:	P3362-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
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
BF138675.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	54.3	U	54.3	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	48.5	U	48.5	81.3	110	ug/Kg
91-57-6	2-Methylnaphthalene	51.6	U	51.6	81.3	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	97.5	U	97.5	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	44.6	U	44.6	81.3	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46.3	U	46.3	81.3	110	ug/Kg
92-52-4	1,1-Biphenyl	54.6	U	54.6	81.3	110	ug/Kg
91-58-7	2-Chloronaphthalene	52.1	U	52.1	81.3	110	ug/Kg
88-74-4	2-Nitroaniline	59.4	U	59.4	81.3	110	ug/Kg
131-11-3	Dimethylphthalate	51.1	U	51.1	81.3	110	ug/Kg
208-96-8	Acenaphthylene	54.1	U	54.1	81.3	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	52	U	52	81.3	110	ug/Kg
99-09-2	3-Nitroaniline	55.8	U	55.8	81.3	110	ug/Kg
83-32-9	Acenaphthene	53.5	J	50.7	81.3	110	ug/Kg
Total PAH	Total PAH	4263.5		828.6	81.3	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	72.5	U	72.5	170	210	ug/Kg
132-64-9	Dibenzofuran	52.8	U	52.8	81.3	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.9	U	53.9	81.3	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	105.9	U	105.9	81.3	220	ug/Kg
84-66-2	Diethylphthalate	50.1	U	50.1	81.3	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	53.5	U	53.5	81.3	110	ug/Kg
86-73-7	Fluorene	53.5	U	53.5	81.3	110	ug/Kg
100-01-6	4-Nitroaniline	66.9	U	66.9	81.3	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	73.2	U	73.2	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	51	U	51	81.3	110	ug/Kg
103-33-3	Azobenzene	49.8	U	49.8	81.3	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	49.3	U	49.3	81.3	110	ug/Kg
118-74-1	Hexachlorobenzene	53.1	U	53.1	81.3	110	ug/Kg
1912-24-9	Atrazine	57.2	U	57.2	81.3	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	72-11978	SDG No.:	BF072924
Lab Sample ID:	P3362-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
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
BF138675.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	J	48.3	170	210	ug/Kg
85-01-8	Phenanthrene	330		52.5	81.3	110	ug/Kg
120-12-7	Anthracene	100	J	52.8	81.3	110	ug/Kg
86-74-8	Carbazole	50.2	U	50.2	81.3	110	ug/Kg
84-74-2	Di-n-butylphthalate	52.7	U	52.7	81.3	110	ug/Kg
206-44-0	Fluoranthene	1000		51.1	81.3	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	710		51.9	81.3	110	ug/Kg
85-68-7	Butylbenzylphthalate	60.5	U	60.5	81.3	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	61.7	U	61.7	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	420		50.5	81.3	110	ug/Kg
218-01-9	Chrysene	330		49.7	81.3	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	J	56.9	81.3	110	ug/Kg
117-84-0	Di-n-octyl phthalate	68.8	U	68.8	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	520		50.7	81.3	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	210		51.6	81.3	110	ug/Kg
50-32-8	Benzo(a)pyrene	300		58.2	81.3	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140		48.8	81.3	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	50.8	U	50.8	81.3	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150		50.1	81.3	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	54.3	U	54.3	81.3	110	ug/Kg
123-91-1	1,4-Dioxane	68.8	U	68.8	81.3	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.7	U	46.7	81.3	110	ug/Kg
90-12-0	1-Methylnaphthalene	52	U	52	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	118.336		18-112		79	SPK: -150
13127-88-3	Phenol-d6	115.575		15-107		77	SPK: -150
4165-60-0	Nitrobenzene-d5	82.039		18-107		82	SPK: -100
321-60-8	2-Fluorobiphenyl	93.257		20-109		93	SPK: -100

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	72-11978	SDG No.:	BF072924
Lab Sample ID:	P3362-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
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
BF138675.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	95.27		10-110		64	SPK: -150
1718-51-0	Terphenyl-d14	81.684		14-112		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	103266	6.851				
1146-65-2	Naphthalene-d8	382955	8.128				
15067-26-2	Acenaphthene-d10	157997	9.886				
1517-22-2	Phenanthrene-d10	214499	11.374				
1719-03-5	Chrysene-d12	150624	14.021				
1520-96-3	Perylene-d12	112419	15.486				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1900	J			2.169	
004254-15-3	(S)-(+)-1,2-Propanediol	70.7	J			3.398	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	150	A			5.087	
000770-35-4	1-Phenoxypropan-2-ol	52.3	J			8.445	
000475-20-7	Longifolene	100	J			9.522	
	unknown9.980	57.7	J			9.98	
1000486-97-7	2,4,2,4-Tetramethyl-biphenyl	140	J			10.786	
002531-84-2	Phenanthrene, 2-methyl-	53.6	J			11.874	
000613-12-7	Anthracene, 2-methyl-	130	J			11.904	
000203-64-5	4H-Cyclopenta[def]phenanthrene	140	J			11.992	
003674-66-6	Phenanthrene, 2,5-dimethyl-	55.4	J			12.427	
005737-13-3	Cyclopenta(def)phenanthrenone	91.7	J			12.515	
000243-17-4	11H-Benzo[b]fluorene	80.9	J			13.145	
000511-15-9	2-Phenanthrenol, 4b,5,6,7,8,8a,9,1	110	J			13.392	
018435-45-5	1-Nonadecene	55	J			13.863	
000205-82-3	Benzo[j]fluoranthene	240	J			15.168	
000192-97-2	Benzo[e]pyrene	200	J			15.362	
000630-04-6	Hentriacontane	88.6	J			15.939	
	unknown17.556	170	J			17.556	

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	72-11978	SDG No.:	BF072924
Lab Sample ID:	P3362-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
Sample Wt/Vol:	50.03	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
BF138675.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

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

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	72-11978MS	SDG No.:	BF072924
Lab Sample ID:	P3362-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
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
BF138676.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	920		54.2	170	210	ug/Kg
110-86-1	Pyridine	870		49.9	81.2	110	ug/Kg
100-52-7	Benzaldehyde	110	U	110	170	210	ug/Kg
62-53-3	Aniline	380		60.6	81.2	110	ug/Kg
108-95-2	Phenol	940		51.8	81.2	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	990		52.3	81.2	110	ug/Kg
95-57-8	2-Chlorophenol	990		52.2	81.2	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	920		52.9	81.2	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	910		53.7	81.2	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	910		54.1	81.2	110	ug/Kg
100-51-6	Benzyl Alcohol	970		51.9	170	210	ug/Kg
95-48-7	2-Methylphenol	960		50.4	81.2	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	890		56.8	81.2	110	ug/Kg
98-86-2	Acetophenone	890		54.3	81.2	110	ug/Kg
65794-96-9	3+4-Methylphenols	960		49.9	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	970		25.2	50	50	ug/Kg
67-72-1	Hexachloroethane	840		51.9	81.2	110	ug/Kg
98-95-3	Nitrobenzene	920		56.7	81.2	110	ug/Kg
78-59-1	Isophorone	980		52.9	81.2	110	ug/Kg
88-75-5	2-Nitrophenol	940		59.1	81.2	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		58.2	81.2	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		53.6	81.2	110	ug/Kg
120-83-2	2,4-Dichlorophenol	900		47.2	81.2	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	860		53.4	81.2	110	ug/Kg
65-85-0	Benzoic acid	610		150	170	210	ug/Kg
91-20-3	Naphthalene	910		51.6	81.2	110	ug/Kg
106-47-8	4-Chloroaniline	230		51.6	81.2	110	ug/Kg
87-68-3	Hexachlorobutadiene	830		52.1	81.2	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	72-11978MS	SDG No.:	BF072924
Lab Sample ID:	P3362-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
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
BF138676.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	800		54.2	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	880		48.4	81.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	890		51.6	81.2	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	620		97.5	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	970		44.6	81.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	870		46.2	81.2	110	ug/Kg
92-52-4	1,1-Biphenyl	990		54.6	81.2	110	ug/Kg
91-58-7	2-Chloronaphthalene	980		52.1	81.2	110	ug/Kg
88-74-4	2-Nitroaniline	1000		59.4	81.2	110	ug/Kg
131-11-3	Dimethylphthalate	1100		51.1	81.2	110	ug/Kg
208-96-8	Acenaphthylene	1100		54.1	81.2	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	920		52	81.2	110	ug/Kg
99-09-2	3-Nitroaniline	600		55.7	81.2	110	ug/Kg
83-32-9	Acenaphthene	950		50.7	81.2	110	ug/Kg
Total PAH	Total PAH	18860		828.1	81.2	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	540		150	170	210	ug/Kg
100-02-7	4-Nitrophenol	1400		72.5	170	210	ug/Kg
132-64-9	Dibenzofuran	890		52.7	81.2	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	720		105.9	81.2	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	800		53.9	81.2	110	ug/Kg
84-66-2	Diethylphthalate	930		50.1	81.2	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	840		53.5	81.2	110	ug/Kg
86-73-7	Fluorene	870		53.4	81.2	110	ug/Kg
100-01-6	4-Nitroaniline	720		66.9	81.2	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	450		73.1	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		51	81.2	110	ug/Kg
103-33-3	Azobenzene	900		49.7	81.2	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		49.3	81.2	110	ug/Kg
118-74-1	Hexachlorobenzene	960		53.1	81.2	110	ug/Kg
1912-24-9	Atrazine	890		57.1	81.2	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	72-11978MS	SDG No.:	BF072924
Lab Sample ID:	P3362-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
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
BF138676.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1700	E	48.3	170	210	ug/Kg
85-01-8	Phenanthrene	1200		52.5	81.2	110	ug/Kg
120-12-7	Anthracene	1100		52.7	81.2	110	ug/Kg
86-74-8	Carbazole	990		50.2	81.2	110	ug/Kg
84-74-2	Di-n-butylphthalate	1000		52.7	81.2	110	ug/Kg
206-44-0	Fluoranthene	1900	E	51.1	81.2	110	ug/Kg
92-87-5	Benzidine	440		100	170	210	ug/Kg
129-00-0	Pyrene	1300		51.9	81.2	110	ug/Kg
85-68-7	Butylbenzylphthalate	1100		60.5	81.2	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	730		61.6	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	1400		50.4	81.2	110	ug/Kg
218-01-9	Chrysene	1200		49.7	81.2	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		56.9	81.2	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		68.7	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700	E	50.7	81.2	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		51.6	81.2	110	ug/Kg
50-32-8	Benzo(a)pyrene	1300		58.1	81.2	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		48.8	81.2	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	920		50.7	81.2	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	910		50.1	81.2	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	950		54.2	81.2	110	ug/Kg
123-91-1	1,4-Dioxane	830		68.7	81.2	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	770		46.7	81.2	110	ug/Kg
90-12-0	1-Methylnaphthalene	820		52	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	109.474		18-112		73	SPK: -150
13127-88-3	Phenol-d6	109.076		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	74.747		18-107		75	SPK: -100
321-60-8	2-Fluorobiphenyl	83.927		20-109		84	SPK: -100

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	72-11978MS	SDG No.:	BF072924
Lab Sample ID:	P3362-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138676.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	93.393		10-110		62	SPK: -150
1718-51-0	Terphenyl-d14	72.121		14-112		72	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	100544	6.851				
1146-65-2	Naphthalene-d8	393088	8.134				
15067-26-2	Acenaphthene-d10	179547	9.892				
1517-22-2	Phenanthrene-d10	247357	11.38				
1719-03-5	Chrysene-d12	167702	14.021				
1520-96-3	Perylene-d12	108927	15.492				

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	72-11978MSD	SDG No.:	BF072924
Lab Sample ID:	P3362-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
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
BF138677.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	970		54.2	170	210	ug/Kg
110-86-1	Pyridine	930		49.9	81.2	110	ug/Kg
100-52-7	Benzaldehyde	110	J	110	170	210	ug/Kg
62-53-3	Aniline	400		60.5	81.2	110	ug/Kg
108-95-2	Phenol	990		51.8	81.2	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		52.3	81.2	110	ug/Kg
95-57-8	2-Chlorophenol	1000		52.1	81.2	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	960		52.8	81.2	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	960		53.7	81.2	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	950		54	81.2	110	ug/Kg
100-51-6	Benzyl Alcohol	1000		51.8	170	210	ug/Kg
95-48-7	2-Methylphenol	990		50.3	81.2	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	930		56.8	81.2	110	ug/Kg
98-86-2	Acetophenone	940		54.3	81.2	110	ug/Kg
65794-96-9	3+4-Methylphenols	990		49.8	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		25.2	50	50	ug/Kg
67-72-1	Hexachloroethane	870		51.8	81.2	110	ug/Kg
98-95-3	Nitrobenzene	960		56.7	81.2	110	ug/Kg
78-59-1	Isophorone	1000		52.8	81.2	110	ug/Kg
88-75-5	2-Nitrophenol	970		59	81.2	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		58.2	81.2	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		53.6	81.2	110	ug/Kg
120-83-2	2,4-Dichlorophenol	950		47.2	81.2	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	910		53.3	81.2	110	ug/Kg
65-85-0	Benzoic acid	640		150	170	210	ug/Kg
91-20-3	Naphthalene	960		51.6	81.2	110	ug/Kg
106-47-8	4-Chloroaniline	230		51.6	81.2	110	ug/Kg
87-68-3	Hexachlorobutadiene	860		52	81.2	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	72-11978MSD	SDG No.:	BF072924
Lab Sample ID:	P3362-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
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
BF138677.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	820		54.2	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	900		48.4	81.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	910		51.5	81.2	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	600		97.4	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		44.6	81.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	920		46.2	81.2	110	ug/Kg
92-52-4	1,1-Biphenyl	1000		54.6	81.2	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		52	81.2	110	ug/Kg
88-74-4	2-Nitroaniline	1000		59.3	81.2	110	ug/Kg
131-11-3	Dimethylphthalate	1100		51	81.2	110	ug/Kg
208-96-8	Acenaphthylene	1100		54	81.2	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	950		52	81.2	110	ug/Kg
99-09-2	3-Nitroaniline	620		55.7	81.2	110	ug/Kg
83-32-9	Acenaphthene	1000		50.6	81.2	110	ug/Kg
Total PAH	Total PAH	20180		827.4	81.2	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	570		150	170	210	ug/Kg
100-02-7	4-Nitrophenol	1500		72.4	170	210	ug/Kg
132-64-9	Dibenzofuran	970		52.7	81.2	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	810		105.8	81.2	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	860		53.8	81.2	110	ug/Kg
84-66-2	Diethylphthalate	1000		50	81.2	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	890		53.5	81.2	110	ug/Kg
86-73-7	Fluorene	920		53.4	81.2	110	ug/Kg
100-01-6	4-Nitroaniline	760		66.8	81.2	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	460		73.1	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		51	81.2	110	ug/Kg
103-33-3	Azobenzene	930		49.7	81.2	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		49.3	81.2	110	ug/Kg
118-74-1	Hexachlorobenzene	1000		53.1	81.2	110	ug/Kg
1912-24-9	Atrazine	970		57.1	81.2	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	72-11978MSD	SDG No.:	BF072924
Lab Sample ID:	P3362-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
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
BF138677.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1800	E	48.3	170	210	ug/Kg
85-01-8	Phenanthrene	1300		52.5	81.2	110	ug/Kg
120-12-7	Anthracene	1200		52.7	81.2	110	ug/Kg
86-74-8	Carbazole	1100		50.1	81.2	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		52.6	81.2	110	ug/Kg
206-44-0	Fluoranthene	2000	E	51	81.2	110	ug/Kg
92-87-5	Benzidine	510		100	170	210	ug/Kg
129-00-0	Pyrene	1400		51.8	81.2	110	ug/Kg
85-68-7	Butylbenzylphthalate	1200		60.5	81.2	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	830		61.6	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	1500		50.4	81.2	110	ug/Kg
218-01-9	Chrysene	1300		49.6	81.2	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		56.8	81.2	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1700	E	68.7	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		50.6	81.2	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		51.6	81.2	110	ug/Kg
50-32-8	Benzo(a)pyrene	1300		58.1	81.2	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		48.8	81.2	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		50.7	81.2	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		50	81.2	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		54.2	81.2	110	ug/Kg
123-91-1	1,4-Dioxane	900		68.7	81.2	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	870		46.7	81.2	110	ug/Kg
90-12-0	1-Methylnaphthalene	850		52	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	116.22		18-112		77	SPK: -150
13127-88-3	Phenol-d6	115.315		15-107		77	SPK: -150
4165-60-0	Nitrobenzene-d5	79.802		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	88.685		20-109		89	SPK: -100

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	72-11978MSD	SDG No.:	BF072924
Lab Sample ID:	P3362-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
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
BF138677.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	96.979		10-110		65	SPK: -150
1718-51-0	Terphenyl-d14	78.676		14-112		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	93096	6.851				
1146-65-2	Naphthalene-d8	356439	8.134				
15067-26-2	Acenaphthene-d10	156681	9.892				
1517-22-2	Phenanthrene-d10	215112	11.381				
1719-03-5	Chrysene-d12	152780	14.022				
1520-96-3	Perylene-d12	121712	15.486				

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	TR-06-07252024	SDG No.:	BF072924
Lab Sample ID:	P3367-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.2
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
BF138678.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55.4	U	55.4	170	210	ug/Kg
110-86-1	Pyridine	51	U	51	83	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	61.9	U	61.9	83	110	ug/Kg
108-95-2	Phenol	52.9	U	52.9	83	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.5	U	53.5	83	110	ug/Kg
95-57-8	2-Chlorophenol	53.3	U	53.3	83	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54	U	54	83	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	54.9	U	54.9	83	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55.2	U	55.2	83	110	ug/Kg
100-51-6	Benzyl Alcohol	53	U	53	170	210	ug/Kg
95-48-7	2-Methylphenol	51.5	U	51.5	83	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	58.1	U	58.1	83	110	ug/Kg
98-86-2	Acetophenone	55.5	U	55.5	83	110	ug/Kg
65794-96-9	3+4-Methylphenols	51	U	51	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.7	U	25.7	51.1	51.1	ug/Kg
67-72-1	Hexachloroethane	53	U	53	83	110	ug/Kg
98-95-3	Nitrobenzene	58	U	58	83	110	ug/Kg
78-59-1	Isophorone	54	U	54	83	110	ug/Kg
88-75-5	2-Nitrophenol	60.4	U	60.4	83	110	ug/Kg
105-67-9	2,4-Dimethylphenol	59.5	U	59.5	83	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	54.8	U	54.8	83	110	ug/Kg
120-83-2	2,4-Dichlorophenol	48.2	U	48.2	83	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54.5	U	54.5	83	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	52.8	U	52.8	83	110	ug/Kg
106-47-8	4-Chloroaniline	52.8	U	52.8	83	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.2	U	53.2	83	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	TR-06-07252024	SDG No.:	BF072924
Lab Sample ID:	P3367-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.2
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138678.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	55.4	U	55.4	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.5	U	49.5	83	110	ug/Kg
91-57-6	2-Methylnaphthalene	52.7	U	52.7	83	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	99.6	U	99.6	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	45.6	U	45.6	83	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47.3	U	47.3	83	110	ug/Kg
92-52-4	1,1-Biphenyl	55.8	U	55.8	83	110	ug/Kg
91-58-7	2-Chloronaphthalene	53.2	U	53.2	83	110	ug/Kg
88-74-4	2-Nitroaniline	60.7	U	60.7	83	110	ug/Kg
131-11-3	Dimethylphthalate	52.2	U	52.2	83	110	ug/Kg
208-96-8	Acenaphthylene	55.2	U	55.2	83	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.1	U	53.1	83	110	ug/Kg
99-09-2	3-Nitroaniline	57	U	57	83	110	ug/Kg
83-32-9	Acenaphthene	51.8	U	51.8	83	110	ug/Kg
Total PAH	Total PAH	846.4	U	846.4	83	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	170	210	ug/Kg
100-02-7	4-Nitrophenol	74.1	U	74.1	170	210	ug/Kg
132-64-9	Dibenzofuran	53.9	U	53.9	83	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.1	U	55.1	83	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	108.2	U	108.2	83	220	ug/Kg
84-66-2	Diethylphthalate	51.2	U	51.2	83	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.7	U	54.7	83	110	ug/Kg
86-73-7	Fluorene	54.6	U	54.6	83	110	ug/Kg
100-01-6	4-Nitroaniline	68.3	U	68.3	83	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	74.7	U	74.7	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.1	U	52.1	83	110	ug/Kg
103-33-3	Azobenzene	50.8	U	50.8	83	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50.4	U	50.4	83	110	ug/Kg
118-74-1	Hexachlorobenzene	54.3	U	54.3	83	110	ug/Kg
1912-24-9	Atrazine	58.4	U	58.4	83	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	TR-06-07252024	SDG No.:	BF072924
Lab Sample ID:	P3367-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.2
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
BF138678.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	49.4	U	49.4	170	210	ug/Kg
85-01-8	Phenanthrene	53.6	U	53.6	83	110	ug/Kg
120-12-7	Anthracene	53.9	U	53.9	83	110	ug/Kg
86-74-8	Carbazole	51.3	U	51.3	83	110	ug/Kg
84-74-2	Di-n-butylphthalate	53.8	U	53.8	83	110	ug/Kg
206-44-0	Fluoranthene	130		52.2	83	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	110		53	83	110	ug/Kg
85-68-7	Butylbenzylphthalate	61.8	U	61.8	83	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63	U	63	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	79.4	J	51.5	83	110	ug/Kg
218-01-9	Chrysene	87.3	J	50.8	83	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	58.1	U	58.1	83	110	ug/Kg
117-84-0	Di-n-octyl phthalate	70.3	U	70.3	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	130		51.8	83	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.8	U	52.8	83	110	ug/Kg
50-32-8	Benzo(a)pyrene	97.2	J	59.4	83	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	50.8	J	49.9	83	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	51.9	U	51.9	83	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	62.4	J	51.2	83	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	55.4	U	55.4	83	110	ug/Kg
123-91-1	1,4-Dioxane	70.3	U	70.3	83	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.7	U	47.7	83	110	ug/Kg
90-12-0	1-Methylnaphthalene	53.1	U	53.1	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.74		18-112		60	SPK: -150
13127-88-3	Phenol-d6	87.677		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	63.082		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	72.118		20-109		72	SPK: -100

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	TR-06-07252024	SDG No.:	BF072924
Lab Sample ID:	P3367-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.2
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138678.D	1	7/26/2024 12:00:00 AM	7/29/2024 12:00:00 AM	PB162290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	77.166		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	72.065		14-112		72	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	95571	6.845				
1146-65-2	Naphthalene-d8	338186	8.128				
15067-26-2	Acenaphthene-d10	136024	9.886				
1517-22-2	Phenanthrene-d10	205379	11.374				
1719-03-5	Chrysene-d12	125312	14.015				
1520-96-3	Perylene-d12	105364	15.486				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1800	J			2.146	
004254-15-3	(S)-(+)-1,2-Propanediol	45.6	J			3.387	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	A			5.075	
000770-35-4	1-Phenoxypropan-2-ol	48.7	J			8.445	
000057-10-3	n-Hexadecanoic acid	76.4	J			11.904	
002462-85-3	9,12-Octadecadienoic acid, methyl	200	J			12.451	
074685-30-6	5-Eicosene, (E)-	130	J			13.863	

Hit Summary Sheet SW-846

SDG No.: BF072924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : VNJ-220								
P3362-02	VNJ-220	Solid	[1,1-Biphenyl]-4-carboxaldehyde *	180.000	J			
P3362-02	VNJ-220	Solid	1,1-Biphenyl, 3-methyl- *	180.000	J			
P3362-02	VNJ-220	Solid	1,4-Benzenedicarboxylic acid, bis *	95.200	J			
P3362-02	VNJ-220	Solid	11H-Benzo[a]fluorene *	170.000	J			
P3362-02	VNJ-220	Solid	11H-Benzo[b]fluorene *	120.000	J			
P3362-02	VNJ-220	Solid	2-Pentanone, 4-hydroxy-4-methyl *	120.000	A			
P3362-02	VNJ-220	Solid	4H-Cyclopenta[def]phenanthrene *	76.700	J			
P3362-02	VNJ-220	Solid	Benzo[e]pyrene *	130.000	J			
P3362-02	VNJ-220	Solid	Butane, 2-methoxy-2-methyl- *	1,700.000	J			
P3362-02	VNJ-220	Solid	Cyclopentadecane *	88.700	J			
P3362-02	VNJ-220	Solid	E-7-Octadecene *	190.000	J			
P3362-02	VNJ-220	Solid	Heneicosane *	82.200	J			
P3362-02	VNJ-220	Solid	Naphthalene, 1,6-dimethyl- *	170.000	J			
P3362-02	VNJ-220	Solid	Naphthalene, 2,3,6-trimethyl- *	57.800	J			
P3362-02	VNJ-220	Solid	Naphthalene, 2,3-dimethyl- *	78.700	J			
P3362-02	VNJ-220	Solid	Naphthalene, 2,6-dimethyl- *	180.000	J			
P3362-02	VNJ-220	Solid	Naphthalene, 2,7-dimethyl- *	77.200	J			
P3362-02	VNJ-220	Solid	Pyrene, 1-methyl- *	83.500	J			
P3362-02	VNJ-220	Solid	unknown13.798 *	150.000	J			
P3362-02	VNJ-220	Solid	unknown9.986 *	360.000	J			
Total Tics :				4,290.00				
P3362-02	VNJ-220	Solid	1,1-Biphenyl	150.000		57	110	ug/Kg
P3362-02	VNJ-220	Solid	1-Methylnaphthalene	120.000		54.3	110	ug/Kg
P3362-02	VNJ-220	Solid	2-Methylnaphthalene	64.200	J	53.8	110	ug/Kg
P3362-02	VNJ-220	Solid	Acenaphthene	780.000		52.9	110	ug/Kg
P3362-02	VNJ-220	Solid	Anthracene	410.000		55	110	ug/Kg
P3362-02	VNJ-220	Solid	Benzo(a)anthracene	430.000		52.6	110	ug/Kg
P3362-02	VNJ-220	Solid	Benzo(a)pyrene	170.000		60.7	110	ug/Kg
P3362-02	VNJ-220	Solid	Benzo(b)fluoranthene	310.000		52.9	110	ug/Kg
P3362-02	VNJ-220	Solid	Benzo(g,h,i)perylene	70.200	J	52.2	110	ug/Kg
P3362-02	VNJ-220	Solid	Benzo(k)fluoranthene	110.000		53.9	110	ug/Kg
P3362-02	VNJ-220	Solid	Carbazole	190.000		52.4	110	ug/Kg
P3362-02	VNJ-220	Solid	Chrysene	330.000		51.9	110	ug/Kg
P3362-02	VNJ-220	Solid	Dibenzofuran	560.000		55	110	ug/Kg
P3362-02	VNJ-220	Solid	Fluoranthene	1,900.000	E	53.3	110	ug/Kg
P3362-02	VNJ-220	Solid	Fluorene	930.000		55.8	110	ug/Kg
P3362-02	VNJ-220	Solid	Indeno(1,2,3-cd)pyrene	70.100	J	50.9	110	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF072924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3362-02	VNJ-220	Solid	Phenanthrene	3,200.000	E	54.8	110	ug/Kg
P3362-02	VNJ-220	Solid	Pyrene	970.000		54.1	110	ug/Kg
P3362-02	VNJ-220	Solid	Total PAH	9,680.000		864.3	1760	ug/Kg
Total Svoc :				20,444.50				
Total Concentration:				24,734.50				
Client ID : 72-11978								
P3362-04	72-11978	Solid	(S)-(+)-1,2-Propanediol	*	70.700	J		
P3362-04	72-11978	Solid	1-Nonadecene	*	55.000	J		
P3362-04	72-11978	Solid	1-Phenoxypropan-2-ol	*	52.300	J		
P3362-04	72-11978	Solid	11H-Benzo[b]fluorene	*	80.900	J		
P3362-04	72-11978	Solid	2,4,2,4-Tetramethyl-biphenyl	*	140.000	J		
P3362-04	72-11978	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	150.000	A		
P3362-04	72-11978	Solid	2-Phenanthrenol, 4b,5,6,7,8,8a,9,1	*	110.000	J		
P3362-04	72-11978	Solid	4H-Cyclopenta[def]phenanthrene	*	140.000	J		
P3362-04	72-11978	Solid	Anthracene, 2-methyl-	*	130.000	J		
P3362-04	72-11978	Solid	Benzo[e]pyrene	*	200.000	J		
P3362-04	72-11978	Solid	Benzo[j]fluoranthene	*	240.000	J		
P3362-04	72-11978	Solid	Butane, 2-methoxy-2-methyl-	*	1,900.000	J		
P3362-04	72-11978	Solid	Cyclopenta(def)phenanthrenone	*	91.700	J		
P3362-04	72-11978	Solid	Hentriacontane	*	88.600	J		
P3362-04	72-11978	Solid	Longifolene	*	100.000	J		
P3362-04	72-11978	Solid	Phenanthrene, 2,5-dimethyl-	*	55.400	J		
P3362-04	72-11978	Solid	Phenanthrene, 2-methyl-	*	53.600	J		
P3362-04	72-11978	Solid	unknown17.556	*	170.000	J		
P3362-04	72-11978	Solid	unknown9.980	*	57.700	J		
Total Tics :				3,885.90				
P3362-04	72-11978	Solid	Acenaphthene		53.500	J	50.7	ug/Kg
P3362-04	72-11978	Solid	Anthracene		100.000	J	52.8	ug/Kg
P3362-04	72-11978	Solid	Benzo(a)anthracene		420.000		50.5	ug/Kg
P3362-04	72-11978	Solid	Benzo(a)pyrene		300.000		58.2	ug/Kg
P3362-04	72-11978	Solid	Benzo(b)fluoranthene		520.000		50.7	ug/Kg
P3362-04	72-11978	Solid	Benzo(g,h,i)perylene		150.000		50.1	ug/Kg
P3362-04	72-11978	Solid	Benzo(k)fluoranthene		210.000		51.6	ug/Kg
P3362-04	72-11978	Solid	Bis(2-ethylhexyl)phthalate		100.000	J	56.9	ug/Kg
P3362-04	72-11978	Solid	Chrysene		330.000		49.7	ug/Kg
P3362-04	72-11978	Solid	Fluoranthene		1,000.000		51.1	ug/Kg
P3362-04	72-11978	Solid	Indeno(1,2,3-cd)pyrene		140.000		48.8	ug/Kg
P3362-04	72-11978	Solid	Pentachlorophenol		100.000	J	48.3	ug/Kg
P3362-04	72-11978	Solid	Phenanthrene		330.000		52.5	ug/Kg
P3362-04	72-11978	Solid	Pyrene		710.000		51.9	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF072924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3362-04	72-11978	Solid	Total PAH	4,263.000		828.6	1760	ug/Kg
Total Svoc :				8,726.50				
Total Concentration:				12,612.40				
Client ID : EO-01-072524								
P3363-01	EO-01-072524	Solid	10-Methylnonadecane	*	170.000	J		
P3363-01	EO-01-072524	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	98.400	A		
P3363-01	EO-01-072524	Solid	9-Octadecenoic acid, methyl ester	*	2,200.000	J		
P3363-01	EO-01-072524	Solid	Eicosane	*	230.000	J		
P3363-01	EO-01-072524	Solid	Heptacosane	*	170.000	J		
P3363-01	EO-01-072524	Solid	Heptadecane	*	460.000	J		
P3363-01	EO-01-072524	Solid	Hexadecane	*	100.000	J		
P3363-01	EO-01-072524	Solid	Hexadecane, 2,6,10,14-tetramethy	*	180.000	J		
P3363-01	EO-01-072524	Solid	n-Hexadecanoic acid	*	470.000	J		
P3363-01	EO-01-072524	Solid	Nonadecane	*	150.000	J		
P3363-01	EO-01-072524	Solid	Octadecane	*	250.000	J		
P3363-01	EO-01-072524	Solid	Octadecanoic acid	*	220.000	J		
P3363-01	EO-01-072524	Solid	Pentadecane	*	190.000	J		
P3363-01	EO-01-072524	Solid	Pentadecanoic acid, 14-methyl-, n	*	370.000	J		
P3363-01	EO-01-072524	Solid	Tetradecane	*	150.000	J		
P3363-01	EO-01-072524	Solid	Tridecane	*	190.000	J		
Total Tics :				5,598.40				
P3363-01	EO-01-072524	Solid	Benzo(a)anthracene		220.000	J	110	ug/Kg
P3363-01	EO-01-072524	Solid	Benzo(a)pyrene		220.000	J	120	ug/Kg
P3363-01	EO-01-072524	Solid	Benzo(b)fluoranthene		270.000		110	ug/Kg
P3363-01	EO-01-072524	Solid	Benzo(g,h,i)perylene		140.000	J	110	ug/Kg
P3363-01	EO-01-072524	Solid	Benzo(k)fluoranthene		120.000	J	110	ug/Kg
P3363-01	EO-01-072524	Solid	Chrysene		170.000	J	110	ug/Kg
P3363-01	EO-01-072524	Solid	Fluoranthene		360.000		110	ug/Kg
P3363-01	EO-01-072524	Solid	Indeno(1,2,3-cd)pyrene		110.000	J	100	ug/Kg
P3363-01	EO-01-072524	Solid	Phenanthrene		120.000	J	110	ug/Kg
P3363-01	EO-01-072524	Solid	Pyrene		290.000		110	ug/Kg
Total Svoc :				2,020.00				
Total Concentration:				7,618.40				
Client ID : TR-06-07252024								
P3367-01	TR-06-07252024	Solid	(S)-(+)-1,2-Propanediol	*	45.600	J		
P3367-01	TR-06-07252024	Solid	1-Phenoxypropan-2-ol	*	48.700	J		
P3367-01	TR-06-07252024	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	110.000	A		
P3367-01	TR-06-07252024	Solid	5-Eicosene, (E)-	*	130.000	J		
P3367-01	TR-06-07252024	Solid	9,12-Octadecadienoic acid, methy	*	200.000	J		

Hit Summary Sheet SW-846

SDG No.: BF072924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3367-01	TR-06-07252024	Solid	Butane, 2-methoxy-2-methyl-	*	1,800.000	J		
P3367-01	TR-06-07252024	Solid	n-Hexadecanoic acid	*	76.400	J		
Total Tics :					2,410.70			
P3367-01	TR-06-07252024	Solid	Benzo(a)anthracene		79.400	J	51.5	110 ug/Kg
P3367-01	TR-06-07252024	Solid	Benzo(a)pyrene		97.200	J	59.4	110 ug/Kg
P3367-01	TR-06-07252024	Solid	Benzo(b)fluoranthene		130.000		51.8	110 ug/Kg
P3367-01	TR-06-07252024	Solid	Benzo(g,h,i)perylene		62.400	J	51.2	110 ug/Kg
P3367-01	TR-06-07252024	Solid	Chrysene		87.300	J	50.8	110 ug/Kg
P3367-01	TR-06-07252024	Solid	Fluoranthene		130.000		52.2	110 ug/Kg
P3367-01	TR-06-07252024	Solid	Indeno(1,2,3-cd)pyrene		50.800	J	49.9	110 ug/Kg
P3367-01	TR-06-07252024	Solid	Pyrene		110.000		53	110 ug/Kg
Total Svoc :					747.10			
Total Concentration:					3,157.80			

Client ID : S-852-GI-SO-9.5-10-072624

P3393-11	S-852-GI-SO-9.5-10-072624	Solid	(S)-(+)-1,2-Propanediol	*	130.000	J		
P3393-11	S-852-GI-SO-9.5-10-072624	Solid	1-Phenoxypropan-2-ol	*	110.000	J		
P3393-11	S-852-GI-SO-9.5-10-072624	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	240.000	A		
P3393-11	S-852-GI-SO-9.5-10-072624	Solid	Butane, 2-methoxy-2-methyl-	*	2,600.000	J		
P3393-11	S-852-GI-SO-9.5-10-072624	Solid	n-Hexadecanoic acid	*	160.000	J		
P3393-11	S-852-GI-SO-9.5-10-072624	Solid	Trichloroethylene	*	350.000	J		
P3393-11	S-852-GI-SO-9.5-10-072624	Solid	Trifluoroacetoxy hexadecane	*	320.000	J		
P3393-11	S-852-GI-SO-9.5-10-072624	Solid	unknown9.980	*	130.000	J		
Total Tics :					4,040.00			
Total Concentration:					4,040.00			



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.: BF072924 SAS No.: BF072924 SDG NO.: BF072924

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 29 2024 12:00AM

Lab File ID: BF138486.D Time Analyzed: 14:08

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 PB162188BL	90272	6.85	374913	8.13	212785	9.89
02 EO-01-072524	93518	6.85	330079	8.13	138905	9.89
03 S-852-GI-SO-9.5-10-072624	100902	6.85	387638	8.13	192030	9.89
04 S-852-GI-SO-9.5-10-072624MS	95522	6.85	358163	8.13	158180	9.89
05 S-852-GI-SO-9.5-10-072624MSD	95941	6.85	365537	8.13	162846	9.89
06 VNJ-220	94297	6.85	356469	8.13	154368	9.89
07 72-11978	103266	6.85	382955	8.13	157997	9.89
08 72-11978MS	100544	6.85	393088	8.13	179547	9.89
09 72-11978MSD	93096	6.85	356439	8.13	156681	9.89
10 TR-06-07252024	95571	6.85	338186	8.13	136024	9.89

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.: BF072924 SAS No.: BF072924 SDG NO.: BF072924

EPA Sample No.: SSTDCCC040 Date Analyzed: Jul 29 2024 12:00AM

Lab File ID: BF138668.D Time Analyzed: 14:08

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	104804	6.851	405768	8.13	221896	9.89
UPPER LIMIT	209608	7.351	811536	8.634	443792	10.392
LOWER LIMIT	52402	6.351	202884	7.634	110948	9.392
EPA SAMPLE NO.						
01 PB162188BL	90272	6.85	374913	8.13	212785	9.89
02 EO-01-072524	93518	6.85	330079	8.13	138905	9.89
03 S-852-GI-SO-9.5-10-072624	100902	6.85	387638	8.13	192030	9.89
04 S-852-GI-SO-9.5-10-072624MS	95522	6.85	358163	8.13	158180	9.89
05 S-852-GI-SO-9.5-10-072624MSD	95941	6.85	365537	8.13	162846	9.89
06 VNJ-220	94297	6.85	356469	8.13	154368	9.89
07 72-11978	103266	6.85	382955	8.13	157997	9.89
08 72-11978MS	100544	6.85	393088	8.13	179547	9.89
09 72-11978MSD	93096	6.85	356439	8.13	156681	9.89
10 TR-06-07252024	95571	6.85	338186	8.13	136024	9.89

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.: BF072924 SAS No.: BF072924 SDG NO.: BF072924

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 29 2024 12:00AM

Lab File ID: BF138486.D Time Analyzed: 14:08

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 PB162188BL	482771	11.37	210180	14.02	175299	15.49
02 EO-01-072524	193361	11.38	126308	14.02	100939	15.49
03 S-852-GI-SO-9.5-10-072624	264937	11.37	183739	14.02	137338	15.49
04 S-852-GI-SO-9.5-10-072624M	216292	11.38	145285	14.02	107531	15.49
05 S-852-GI-SO-9.5-10-072624M	219571	11.38	150036	14.02	139984	15.49
06 VNJ-220	204156	11.38	141178	14.02	108093	15.49
07 72-11978	214499	11.37	150624	14.02	112419	15.49
08 72-11978MS	247357	11.38	167702	14.02	108927	15.49
09 72-11978MSD	215112	11.38	152780	14.02	121712	15.49
10 TR-06-07252024	205379	11.37	125312	14.02	105364	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.: BF072924 SAS No.: BF072924 SDG NO.: BF072924

EPA Sample No.: SSTDCCC040 Date Analyzed: Jul 29 2024 12:00AM

Lab File ID: BF138668.D Time Analyzed: 14:08

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	395592	11.38	214485	14.027	271041	15.492
UPPER LIMIT	791184	11.88	428970	14.527	542082	15.992
LOWER LIMIT	197796	10.88	107242.5	13.527	135520.5	14.992
EPA SAMPLE NO.						
01 PB162188BL	482771	11.37	210180	14.02	175299	15.49
02 EO-01-072524	193361 *	11.38	126308	14.02	100939 *	15.49
03 S-852-GI-SO-9.5-10-072624	264937	11.37	183739	14.02	137338	15.49
04 S-852-GI-SO-9.5-10-072624M	216292	11.38	145285	14.02	107531 *	15.49
05 S-852-GI-SO-9.5-10-072624M	219571	11.38	150036	14.02	139984	15.49
06 VNJ-220	204156	11.38	141178	14.02	108093 *	15.49
07 72-11978	214499	11.37	150624	14.02	112419 *	15.49
08 72-11978MS	247357	11.38	167702	14.02	108927 *	15.49
09 72-11978MSD	215112	11.38	152780	14.02	121712 *	15.49
10 TR-06-07252024	205379	11.37	125312	14.02	105364 *	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.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162188BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF072924

SAS No.: BF072924 SDG NO.: BF072924

Lab File ID: BF138669.D

Lab Sample ID: PB162188BL

Instrument ID: BNA_F

Date Extracted: 07/20/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/29/2024

Level: (low/med) LOW

Time Analyzed: 14:08

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

EO-01-072524

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF072924

SAS No.: BF072924 SDG NO.: BF072924

Lab File ID: BF138670.D

Lab Sample ID: P3363-01

Instrument ID: BNA_F

Date Extracted: 07/26/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/29/2024

Level: (low/med) LOW

Time Analyzed: 15:04

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EO-01-072524	P3363-01	BF138670.D	07/29/2024
VNJ-220	P3362-02	BF138674.D	07/29/2024
72-11978	P3362-04	BF138675.D	07/29/2024
72-11978MS	P3362-04MS	BF138676.D	07/29/2024
72-11978MSD	P3362-04MSD	BF138677.D	07/29/2024
TR-06-07252024	P3367-01	BF138678.D	07/29/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

S-852-GI-SO-9.5-10-

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF072924

SAS No.: BF072924 SDG NO.: BF072924

Lab File ID: BF138671.D

Lab Sample ID: P3393-11

Instrument ID: BNA_F

Date Extracted: 07/29/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/29/2024

Level: (low/med) LOW

Time Analyzed: 16:11

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
S-852-GI-SO-9.5-10-072624	P3393-11	BF138671.D	07/29/2024
S-852-GI-SO-9.5-10-072624MS	P3393-12MS	BF138672.D	07/29/2024
S-852-GI-SO-9.5-10-072624MSD	P3393-13MSD	BF138673.D	07/29/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3362-04MS		Client Sample ID: 72-11978MS		DataFile: BF138676.D							
n-Nitrosodimethylamine	1000		920	ug/Kg	92				66	124	
Pyridine	1000		870	ug/Kg	87				45	119	
Benzaldehyde	1000		0	ug/Kg	0	*			26	163	
Aniline	1000		380	ug/Kg	38				10	88	
Phenol	1000		940	ug/Kg	94				67	126	
bis(2-Chloroethyl)ether	1000		990	ug/Kg	99				74	116	
2-Chlorophenol	1000		990	ug/Kg	99				61	138	
1,2-Dichlorobenzene	1000		920	ug/Kg	92				61	105	
1,3-Dichlorobenzene	1000		910	ug/Kg	91				62	101	
1,4-Dichlorobenzene	1000		910	ug/Kg	91				63	104	
Benzyl Alcohol	1000		970	ug/Kg	97				47	126	
2-Methylphenol	1000		960	ug/Kg	96				66	122	
2,2-oxybis(1-Chloropropane)	1000		890	ug/Kg	89				52	115	
Acetophenone	1000		890	ug/Kg	89				75	111	
3+4-Methylphenols	1000		960	ug/Kg	96				53	132	
N-Nitroso-di-n-propylamine	1000		970	ug/Kg	97				59	119	
Hexachloroethane	1000		840	ug/Kg	84				65	117	
Nitrobenzene	1000		920	ug/Kg	92				70	119	
Isophorone	1000		980	ug/Kg	98				76	122	
2-Nitrophenol	1000		940	ug/Kg	94				54	145	
2,4-Dimethylphenol	1000		1000	ug/Kg	100				83	144	
bis(2-Chloroethoxy)methane	1000		1000	ug/Kg	100				68	112	
2,4-Dichlorophenol	1000		900	ug/Kg	90				72	118	
1,2,4-Trichlorobenzene	1000		860	ug/Kg	86				57	103	
Benzoic acid	1000		610	ug/Kg	61				50	104	
Naphthalene	1000		910	ug/Kg	91				72	110	
4-Chloroaniline	1000		230	ug/Kg	23				10	100	
Hexachlorobutadiene	1000		830	ug/Kg	83				66	114	
Caprolactam	1000		800	ug/Kg	80				51	134	
4-Chloro-3-methylphenol	1000		880	ug/Kg	88				57	132	
2-Methylnaphthalene	1000		890	ug/Kg	89				59	123	
Hexachlorocyclopentadiene	2100		620	ug/Kg	30				10	175	
2,4,6-Trichlorophenol	1000		970	ug/Kg	97				72	117	
2,4,5-Trichlorophenol	1000		870	ug/Kg	87				72	117	
1,1-Biphenyl	1000		990	ug/Kg	99				75	113	
2-Chloronaphthalene	1000		980	ug/Kg	98				67	118	
2-Nitroaniline	1000		1000	ug/Kg	100				69	127	
Dimethylphthalate	1000		1100	ug/Kg	110				70	113	
Acenaphthylene	1000		1100	ug/Kg	110				79	118	
2,6-Dinitrotoluene	1000		920	ug/Kg	92				70	125	
3-Nitroaniline	1000		600	ug/Kg	60				20	111	
Acenaphthene	1000	53.5	950	ug/Kg	90				70	121	
Total PAH	16000	4263.5	18860	ug/Kg	91				70	121	
2,4-Dinitrophenol	2100		540	ug/Kg	26				16	160	
4-Nitrophenol	2100		1400	ug/Kg	67				45	133	
Dibenzofuran	1000		890	ug/Kg	89				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2000		1720	ug/Kg	86				55	128	
2,4-Dinitrotoluene	1000		800	ug/Kg	80				55	128	
Diethylphthalate	1000		930	ug/Kg	93				70	112	
4-Chlorophenyl-phenylether	1000		840	ug/Kg	84				71	108	
Fluorene	1000		870	ug/Kg	87				68	116	
4-Nitroaniline	1000		720	ug/Kg	72				55	120	
4,6-Dinitro-2-methylphenol	1000		450	ug/Kg	45				32	145	
N-Nitrosodiphenylamine	1000		1100	ug/Kg	110				73	118	
Azobenzene	1000		900	ug/Kg	90				73	110	
4-Bromophenyl-phenylether	1000		1000	ug/Kg	100				65	121	
Hexachlorobenzene	1000		960	ug/Kg	96				67	118	
Atrazine	1000		890	ug/Kg	89				79	127	
Pentachlorophenol	2100	100	1700	ug/Kg	76				47	128	
Phenanthrene	1000	330	1200	ug/Kg	87				72	113	
Anthracene	1000	100	1100	ug/Kg	100				62	124	
Carbazole	1000		990	ug/Kg	99				59	119	
Di-n-butylphthalate	1000		1000	ug/Kg	100				69	118	
Fluoranthene	1000	1000	1900	ug/Kg	90				59	125	
Benzidine	2100		440	ug/Kg	21				10	119	
Pyrene	1000	710	1300	ug/Kg	59				52	128	
Butylbenzylphthalate	1000		1100	ug/Kg	110				64	126	
3,3-Dichlorobenzidine	1000		730	ug/Kg	73				10	164	
Benzo(a)anthracene	1000	420	1400	ug/Kg	98				71	114	
Chrysene	1000	330	1200	ug/Kg	87				57	121	
bis(2-Ethylhexyl)phthalate	1000	100	1600	ug/Kg	150	*			66	127	
Di-n-octyl phthalate	1000		1400	ug/Kg	140	*			71	126	
Benzo(b)fluoranthene	1000	520	1700	ug/Kg	118				67	121	
Benzo(k)fluoranthene	1000	210	1100	ug/Kg	89				74	114	
Benzo(a)pyrene	1000	300	1300	ug/Kg	100				70	142	
Indeno(1,2,3-cd)pyrene	1000	140	1000	ug/Kg	86				61	125	
Dibenz(a,h)anthracene	1000	0	920	ug/Kg	92				67	130	
Benzo(g,h,i)perylene	1000	150	910	ug/Kg	76				53	140	
1,2,4,5-Tetrachlorobenzene	1000		950	ug/Kg	95				69	124	
1,4-Dioxane	1000		830	ug/Kg	83				46	112	
2,3,4,6-Tetrachlorophenol	1000		770	ug/Kg	77				56	133	
1-Methylnaphthalene	1000		820	ug/Kg	82				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3362-04MSD		Client Sample ID: 72-11978MSD					DataFile: BF138677.D				
n-Nitrosodimethylamine	1000		970	ug/Kg	97		5		66	124	20
Pyridine	1000		930	ug/Kg	93		7		45	119	20
Benzaldehyde	1000		110	ug/Kg	11	*	200	*	26	163	20
Aniline	1000		400	ug/Kg	40		5		10	88	20
Phenol	1000		990	ug/Kg	99		5		67	126	20
bis(2-Chloroethyl)ether	1000		1000	ug/Kg	100		1		74	116	20
2-Chlorophenol	1000		1000	ug/Kg	100		1		61	138	20
1,2-Dichlorobenzene	1000		960	ug/Kg	96		4		61	105	20
1,3-Dichlorobenzene	1000		960	ug/Kg	96		5		62	101	20
1,4-Dichlorobenzene	1000		950	ug/Kg	95		4		63	104	20
Benzyl Alcohol	1000		1000	ug/Kg	100		3		47	126	20
2-Methylphenol	1000		990	ug/Kg	99		3		66	122	20
2,2-oxybis(1-Chloropropane)	1000		930	ug/Kg	93		4		52	115	20
Acetophenone	1000		940	ug/Kg	94		5		75	111	20
3+4-Methylphenols	1000		990	ug/Kg	99		3		53	132	20
N-Nitroso-di-n-propylamine	1000		1000	ug/Kg	100		3		59	119	20
Hexachloroethane	1000		870	ug/Kg	87		4		65	117	20
Nitrobenzene	1000		960	ug/Kg	96		4		70	119	20
Isophorone	1000		1000	ug/Kg	100		2		76	122	20
2-Nitrophenol	1000		970	ug/Kg	97		3		54	145	20
2,4-Dimethylphenol	1000		1100	ug/Kg	110		10		83	144	20
bis(2-Chloroethoxy)methane	1000		1100	ug/Kg	110		10		68	112	20
2,4-Dichlorophenol	1000		950	ug/Kg	95		5		72	118	20
1,2,4-Trichlorobenzene	1000		910	ug/Kg	91		6		57	103	20
Benzoic acid	1000		640	ug/Kg	64		5		50	104	20
Naphthalene	1000		960	ug/Kg	96		5		72	110	20
4-Chloroaniline	1000		230	ug/Kg	23		0		10	100	20
Hexachlorobutadiene	1000		860	ug/Kg	86		4		66	114	20
Caprolactam	1000		820	ug/Kg	82		2		51	134	20
4-Chloro-3-methylphenol	1000		900	ug/Kg	90		2		57	132	20
2-Methylnaphthalene	1000		910	ug/Kg	91		2		59	123	20
Hexachlorocyclopentadiene	2100		600	ug/Kg	29		3		10	175	20
2,4,6-Trichlorophenol	1000		1000	ug/Kg	100		3		72	117	20
2,4,5-Trichlorophenol	1000		920	ug/Kg	92		6		72	117	20
1,1-Biphenyl	1000		1000	ug/Kg	100		1		75	113	20
2-Chloronaphthalene	1000		1000	ug/Kg	100		2		67	118	20
2-Nitroaniline	1000		1000	ug/Kg	100		0		69	127	20
Dimethylphthalate	1000		1100	ug/Kg	110		0		70	113	20
Acenaphthylene	1000		1100	ug/Kg	110		0		79	118	20
2,6-Dinitrotoluene	1000		950	ug/Kg	95		3		70	125	20
3-Nitroaniline	1000		620	ug/Kg	62		3		20	111	20
Acenaphthene	1000	53.5	1000	ug/Kg	95		5		70	121	20
Total PAH	16000	4263.5	20180	ug/Kg	99		8		70	121	20
2,4-Dinitrophenol	2100		570	ug/Kg	27		4		16	160	20
4-Nitrophenol	2100		1500	ug/Kg	71		6		45	133	20
Dibenzofuran	1000		970	ug/Kg	97		9		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2000		1810	ug/Kg	91		6		55	128	20
2,4-Dinitrotoluene	1000		860	ug/Kg	86		7		55	128	20
Diethylphthalate	1000		1000	ug/Kg	100		7		70	112	20
4-Chlorophenyl-phenylether	1000		890	ug/Kg	89		6		71	108	20
Fluorene	1000		920	ug/Kg	92		6		68	116	20
4-Nitroaniline	1000		760	ug/Kg	76		5		55	120	20
4,6-Dinitro-2-methylphenol	1000		460	ug/Kg	46		2		32	145	20
N-Nitrosodiphenylamine	1000		1200	ug/Kg	120	*	9		73	118	20
Azobenzene	1000		930	ug/Kg	93		3		73	110	20
4-Bromophenyl-phenylether	1000		1100	ug/Kg	110		10		65	121	20
Hexachlorobenzene	1000		1000	ug/Kg	100		4		67	118	20
Atrazine	1000		970	ug/Kg	97		9		79	127	20
Pentachlorophenol	2100	100	1800	ug/Kg	81		6		47	128	20
Phenanthrene	1000	330	1300	ug/Kg	97		11		72	113	20
Anthracene	1000	100	1200	ug/Kg	110		10		62	124	20
Carbazole	1000		1100	ug/Kg	110		11		59	119	20
Di-n-butylphthalate	1000		1200	ug/Kg	120	*	18		69	118	20
Fluoranthene	1000	1000	2000	ug/Kg	100		11		59	125	20
Benzidine	2100		510	ug/Kg	24		13		10	119	20
Pyrene	1000	710	1400	ug/Kg	69		16		52	128	20
Butylbenzylphthalate	1000		1200	ug/Kg	120		9		64	126	20
3,3-Dichlorobenzidine	1000		830	ug/Kg	83		13		10	164	20
Benzo(a)anthracene	1000	420	1500	ug/Kg	108		10		71	114	20
Chrysene	1000	330	1300	ug/Kg	97		11		57	121	20
bis(2-Ethylhexyl)phthalate	1000	100	1600	ug/Kg	150	*	0		66	127	20
Di-n-octyl phthalate	1000		1700	ug/Kg	170	*	19		71	126	20
Benzo(b)fluoranthene	1000	520	1600	ug/Kg	108		9		67	121	20
Benzo(k)fluoranthene	1000	210	1300	ug/Kg	109		20		74	114	20
Benzo(a)pyrene	1000	300	1300	ug/Kg	100		0		70	142	20
Indeno(1,2,3-cd)pyrene	1000	140	1200	ug/Kg	106		21	*	61	125	20
Dibenz(a,h)anthracene	1000	0	1100	ug/Kg	110		18		67	130	20
Benzo(g,h,i)perylene	1000	150	1000	ug/Kg	85		11		53	140	20
1,2,4,5-Tetrachlorobenzene	1000		1000	ug/Kg	100		5		69	124	20
1,4-Dioxane	1000		900	ug/Kg	90		8		46	112	20
2,3,4,6-Tetrachlorophenol	1000		870	ug/Kg	87		12		56	133	20
1-Methylnaphthalene	1000		850	ug/Kg	85		4		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3393-12MS		Client Sample ID: S-852-GI-SO-9.5-10-072624MS		DataFile: BF138672.D							
n-Nitrosodimethylamine	1700		1500	ug/Kg	88				66	124	
Pyridine	1700		1300	ug/Kg	76				45	119	
Benzaldehyde	1700		0	ug/Kg	0	*			26	163	
Aniline	1700		1400	ug/Kg	82				10	88	
Phenol	1700		1600	ug/Kg	94				67	126	
bis(2-Chloroethyl)ether	1700		1600	ug/Kg	94				74	116	
2-Chlorophenol	1700		1600	ug/Kg	94				61	138	
1,2-Dichlorobenzene	1700		1500	ug/Kg	88				61	105	
1,3-Dichlorobenzene	1700		1500	ug/Kg	88				62	101	
1,4-Dichlorobenzene	1700		1500	ug/Kg	88				63	104	
Benzyl Alcohol	1700		1600	ug/Kg	94				47	126	
2-Methylphenol	1700		1600	ug/Kg	94				66	122	
2,2-oxybis(1-Chloropropane)	1700		1400	ug/Kg	82				52	115	
Acetophenone	1700		1500	ug/Kg	88				75	111	
3+4-Methylphenols	1700		1600	ug/Kg	94				53	132	
N-Nitroso-di-n-propylamine	1700		1600	ug/Kg	94				59	119	
Hexachloroethane	1700		1400	ug/Kg	82				65	117	
Nitrobenzene	1700		1600	ug/Kg	94				70	119	
Isophorone	1700		1600	ug/Kg	94				76	122	
2-Nitrophenol	1700		1500	ug/Kg	88				54	145	
2,4-Dimethylphenol	1700		1700	ug/Kg	100				83	144	
bis(2-Chloroethoxy)methane	1700		1700	ug/Kg	100				68	112	
2,4-Dichlorophenol	1700		1500	ug/Kg	88				72	118	
1,2,4-Trichlorobenzene	1700		1400	ug/Kg	82				57	103	
Benzoic acid	1700		950	ug/Kg	56				50	104	
Naphthalene	1700		1500	ug/Kg	88				72	110	
4-Chloroaniline	1700		1000	ug/Kg	59				10	100	
Hexachlorobutadiene	1700		1400	ug/Kg	82				66	114	
Caprolactam	1700		1400	ug/Kg	82				51	134	
4-Chloro-3-methylphenol	1700		1500	ug/Kg	88				57	132	
2-Methylnaphthalene	1700		1400	ug/Kg	82				59	123	
Hexachlorocyclopentadiene	3300		1100	ug/Kg	33				10	175	
2,4,6-Trichlorophenol	1700		1600	ug/Kg	94				72	117	
2,4,5-Trichlorophenol	1700		1500	ug/Kg	88				72	117	
1,1-Biphenyl	1700		1600	ug/Kg	94				75	113	
2-Chloronaphthalene	1700		1600	ug/Kg	94				67	118	
2-Nitroaniline	1700		1700	ug/Kg	100				69	127	
Dimethylphthalate	1700		1800	ug/Kg	106				70	113	
Acenaphthylene	1700		1700	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1700		1500	ug/Kg	88				70	125	
3-Nitroaniline	1700		1300	ug/Kg	76				20	111	
Acenaphthene	1700		1500	ug/Kg	88				70	121	
Total PAH	27200		25400	ug/Kg	93				70	121	
2,4-Dinitrophenol	3300		670	ug/Kg	20				16	160	
4-Nitrophenol	3300		2400	ug/Kg	73				45	133	
Dibenzofuran	1700		1500	ug/Kg	88				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1700		1400	ug/Kg	82				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	3400		2900	ug/Kg	85				55	128	
Diethylphthalate	1700		1600	ug/Kg	94				70	112	
4-Chlorophenyl-phenylether	1700		1400	ug/Kg	82				71	108	
Fluorene	1700		1400	ug/Kg	82				68	116	
4-Nitroaniline	1700		1300	ug/Kg	76				55	120	
4,6-Dinitro-2-methylphenol	1700		550	ug/Kg	32				32	145	
N-Nitrosodiphenylamine	1700		1900	ug/Kg	112				73	118	
Azobenzene	1700		1500	ug/Kg	88				73	110	
4-Bromophenyl-phenylether	1700		1700	ug/Kg	100				65	121	
Hexachlorobenzene	1700		1600	ug/Kg	94				67	118	
Atrazine	1700		1600	ug/Kg	94				79	127	
Pentachlorophenol	3300		2600	ug/Kg	79				47	128	
Phenanthrene	1700		1700	ug/Kg	100				72	113	
Anthracene	1700		1700	ug/Kg	100				62	124	
Carbazole	1700		1700	ug/Kg	100				59	119	
Di-n-butylphthalate	1700		1800	ug/Kg	106				69	118	
Fluoranthene	1700		1700	ug/Kg	100				59	125	
Benzydine	3300		2900	ug/Kg	88				10	119	
Pyrene	1700		1300	ug/Kg	76				52	128	
Butylbenzylphthalate	1700		1900	ug/Kg	112				64	126	
3,3-Dichlorobenzidine	1700		2000	ug/Kg	118				10	164	
Benzo(a)anthracene	1700		1600	ug/Kg	94				71	114	
Chrysene	1700		1600	ug/Kg	94				57	121	
bis(2-Ethylhexyl)phthalate	1700		2400	ug/Kg	141	*			66	127	
Di-n-octyl phthalate	1700		2400	ug/Kg	141	*			71	126	
Benzo(b)fluoranthene	1700		1900	ug/Kg	112				67	121	
Benzo(k)fluoranthene	1700		1700	ug/Kg	100				74	114	
Benzo(a)pyrene	1700		1700	ug/Kg	100				70	142	
Indeno(1,2,3-cd)pyrene	1700		1500	ug/Kg	88				61	125	
Dibenz(a,h)anthracene	1700		1500	ug/Kg	88				67	130	
Benzo(g,h,i)perylene	1700		1400	ug/Kg	82				53	140	
1,2,4,5-Tetrachlorobenzene	1700		1600	ug/Kg	94				69	124	
1,4-Dioxane	1700		1300	ug/Kg	76				46	112	
2,3,4,6-Tetrachlorophenol	1700		1300	ug/Kg	76				56	133	
1-Methylnaphthalene	1700		1400	ug/Kg	82				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3393-13MSD		Client Sample ID: S-852-GI-SO-9.5-10-072624MSD		DataFile: BF138673.D							
n-Nitrosodimethylamine	1700		1500	ug/Kg	88		0		66	124	20
Pyridine	1700		1400	ug/Kg	82		8		45	119	20
Benzaldehyde	1700		0	ug/Kg	0	*			26	163	20
Aniline	1700		1400	ug/Kg	82		0		10	88	20
Phenol	1700		1600	ug/Kg	94		0		67	126	20
bis(2-Chloroethyl)ether	1700		1700	ug/Kg	100		6		74	116	20
2-Chlorophenol	1700		1700	ug/Kg	100		6		61	138	20
1,2-Dichlorobenzene	1700		1500	ug/Kg	88		0		61	105	20
1,3-Dichlorobenzene	1700		1500	ug/Kg	88		0		62	101	20
1,4-Dichlorobenzene	1700		1500	ug/Kg	88		0		63	104	20
Benzyl Alcohol	1700		1600	ug/Kg	94		0		47	126	20
2-Methylphenol	1700		1600	ug/Kg	94		0		66	122	20
2,2-oxybis(1-Chloropropane)	1700		1500	ug/Kg	88		7		52	115	20
Acetophenone	1700		1500	ug/Kg	88		0		75	111	20
3+4-Methylphenols	1700		1600	ug/Kg	94		0		53	132	20
N-Nitroso-di-n-propylamine	1700		1600	ug/Kg	94		0		59	119	20
Hexachloroethane	1700		1400	ug/Kg	82		0		65	117	20
Nitrobenzene	1700		1600	ug/Kg	94		0		70	119	20
Isophorone	1700		1700	ug/Kg	100		6		76	122	20
2-Nitrophenol	1700		1600	ug/Kg	94		7		54	145	20
2,4-Dimethylphenol	1700		1800	ug/Kg	106		6		83	144	20
bis(2-Chloroethoxy)methane	1700		1700	ug/Kg	100		0		68	112	20
2,4-Dichlorophenol	1700		1500	ug/Kg	88		0		72	118	20
1,2,4-Trichlorobenzene	1700		1500	ug/Kg	88		7		57	103	20
Benzoic acid	1700		970	ug/Kg	57		2		50	104	20
Naphthalene	1700		1500	ug/Kg	88		0		72	110	20
4-Chloroaniline	1700		960	ug/Kg	56		5		10	100	20
Hexachlorobutadiene	1700		1400	ug/Kg	82		0		66	114	20
Caprolactam	1700		1400	ug/Kg	82		0		51	134	20
4-Chloro-3-methylphenol	1700		1500	ug/Kg	88		0		57	132	20
2-Methylnaphthalene	1700		1500	ug/Kg	88		7		59	123	20
Hexachlorocyclopentadiene	3300		1300	ug/Kg	39		17		10	175	20
2,4,6-Trichlorophenol	1700		1600	ug/Kg	94		0		72	117	20
2,4,5-Trichlorophenol	1700		1500	ug/Kg	88		0		72	117	20
1,1-Biphenyl	1700		1600	ug/Kg	94		0		75	113	20
2-Chloronaphthalene	1700		1600	ug/Kg	94		0		67	118	20
2-Nitroaniline	1700		1700	ug/Kg	100		0		69	127	20
Dimethylphthalate	1700		1800	ug/Kg	106		0		70	113	20
Acenaphthylene	1700		1700	ug/Kg	100		0		79	118	20
2,6-Dinitrotoluene	1700		1600	ug/Kg	94		7		70	125	20
3-Nitroaniline	1700		1300	ug/Kg	76		0		20	111	20
Acenaphthene	1700		1600	ug/Kg	94		7		70	121	20
Total PAH	27200		25000	ug/Kg	92		1		70	121	20
2,4-Dinitrophenol	3300		840	ug/Kg	25		22	*	16	160	20
4-Nitrophenol	3300		2500	ug/Kg	76		4		45	133	20
Dibenzofuran	1700		1500	ug/Kg	88		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1700		1400	ug/Kg	82		0		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	3400		3000	ug/Kg	88		3		55	128	20
Diethylphthalate	1700		1600	ug/Kg	94		0		70	112	20
4-Chlorophenyl-phenylether	1700		1500	ug/Kg	88		7		71	108	20
Fluorene	1700		1400	ug/Kg	82		0		68	116	20
4-Nitroaniline	1700		1300	ug/Kg	76		0		55	120	20
4,6-Dinitro-2-methylphenol	1700		700	ug/Kg	41		25	*	32	145	20
N-Nitrosodiphenylamine	1700		1900	ug/Kg	112		0		73	118	20
Azobenzene	1700		1500	ug/Kg	88		0		73	110	20
4-Bromophenyl-phenylether	1700		1800	ug/Kg	106		6		65	121	20
Hexachlorobenzene	1700		1700	ug/Kg	100		6		67	118	20
Atrazine	1700		1600	ug/Kg	94		0		79	127	20
Pentachlorophenol	3300		2700	ug/Kg	82		4		47	128	20
Phenanthrene	1700		1700	ug/Kg	100		0		72	113	20
Anthracene	1700		1700	ug/Kg	100		0		62	124	20
Carbazole	1700		1700	ug/Kg	100		0		59	119	20
Di-n-butylphthalate	1700		1900	ug/Kg	112		6		69	118	20
Fluoranthene	1700		1700	ug/Kg	100		0		59	125	20
Benzydine	3300		2900	ug/Kg	88		0		10	119	20
Pyrene	1700		1300	ug/Kg	76		0		52	128	20
Butylbenzylphthalate	1700		1900	ug/Kg	112		0		64	126	20
3,3-Dichlorobenzidine	1700		2000	ug/Kg	118		0		10	164	20
Benzo(a)anthracene	1700		1700	ug/Kg	100		6		71	114	20
Chrysene	1700		1700	ug/Kg	100		6		57	121	20
bis(2-Ethylhexyl)phthalate	1700		2500	ug/Kg	147	*	4		66	127	20
Di-n-octyl phthalate	1700		2500	ug/Kg	147	*	4		71	126	20
Benzo(b)fluoranthene	1700		1600	ug/Kg	94		17		67	121	20
Benzo(k)fluoranthene	1700		1400	ug/Kg	82		20		74	114	20
Benzo(a)pyrene	1700		1700	ug/Kg	100		0		70	142	20
Indeno(1,2,3-cd)pyrene	1700		1500	ug/Kg	88		0		61	125	20
Dibenz(a,h)anthracene	1700		1500	ug/Kg	88		0		67	130	20
Benzo(g,h,i)perylene	1700		1300	ug/Kg	76		8		53	140	20
1,2,4,5-Tetrachlorobenzene	1700		1600	ug/Kg	94		0		69	124	20
1,4-Dioxane	1700		1300	ug/Kg	76		0		46	112	20
2,3,4,6-Tetrachlorophenol	1700		1300	ug/Kg	76		0		56	133	20
1-Methylnaphthalene	1700		1400	ug/Kg	82		0		70	130	20

Surrogate Summary

SW-846

SDG No.: BF072924

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162188BL	PB162188BL	BF138669.D	2-Fluorophenol	150	177.25	118	*	18	112
			Phenol-d6	150	145.02	97		15	107
			Nitrobenzene-d5	100	94.50	94		18	107
			2-Fluorobiphenyl	100	90.81	91		20	109
			2,4,6-Tribromophenol	150	176.42	118	*	10	110
			Terphenyl-d14	100	116.06	116	*	14	112

Surrogate Summary

SW-846

SDG No.: **BF072924**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3362-02	VNJ-220	BF138674.D	2-Fluorophenol	150	92.88	62		18	112
			Phenol-d6	150	92.97	62		15	107
			Nitrobenzene-d5	100	64.88	65		18	107
			2-Fluorobiphenyl	100	72.77	73		20	109
			2,4,6-Tribromophenol	150	73.02	49		10	110
			Terphenyl-d14	100	64.86	65		14	112
P3362-04	72-11978	BF138675.D	2-Fluorophenol	150	118.34	79		18	112
			Phenol-d6	150	115.58	77		15	107
			Nitrobenzene-d5	100	82.04	82		18	107
			2-Fluorobiphenyl	100	93.26	93		20	109
			2,4,6-Tribromophenol	150	95.27	64		10	110
			Terphenyl-d14	100	81.68	82		14	112
P3362-04MS	72-11978MS	BF138676.D	2-Fluorophenol	150	109.47	73		18	112
			Phenol-d6	150	109.08	73		15	107
			Nitrobenzene-d5	100	74.75	75		18	107
			2-Fluorobiphenyl	100	83.93	84		20	109
			2,4,6-Tribromophenol	150	93.39	62		10	110
			Terphenyl-d14	100	72.12	72		14	112
P3362-04MSD	72-11978MSD	BF138677.D	2-Fluorophenol	150	116.22	77		18	112
			Phenol-d6	150	115.32	77		15	107
			Nitrobenzene-d5	100	79.80	80		18	107
			2-Fluorobiphenyl	100	88.69	89		20	109
			2,4,6-Tribromophenol	150	96.98	65		10	110
			Terphenyl-d14	100	78.68	79		14	112
P3363-01	EO-01-072524	BF138670.D	2-Fluorophenol	150	73.59	49		18	112
			Phenol-d6	150	73.36	49		15	107
			Nitrobenzene-d5	100	52.64	53		18	107
			2-Fluorobiphenyl	100	60.07	60		20	109
			2,4,6-Tribromophenol	150	57.29	38		10	110
			Terphenyl-d14	100	55.76	56		14	112
P3367-01	TR-06-07252024	BF138678.D	2-Fluorophenol	150	89.74	60		18	112
			Phenol-d6	150	87.68	58		15	107
			Nitrobenzene-d5	100	63.08	63		18	107
			2-Fluorobiphenyl	100	72.12	72		20	109
			2,4,6-Tribromophenol	150	77.17	51		10	110
			Terphenyl-d14	100	72.07	72		14	112

Surrogate Summary

SW-846

SDG No.: **BF072924**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3393-11	S-852-GI-SO-9.5-1(BF138671.D		2-Fluorophenol	150	119.21	79		18	112
			Phenol-d6	150	121.27	81		15	107
			Nitrobenzene-d5	100	80.93	81		18	107
			2-Fluorobiphenyl	100	86.30	86		20	109
			2,4,6-Tribromophenol	150	95.24	63		10	110
			Terphenyl-d14	100	68.54	69		14	112
P3393-12MS	S-852-GI-SO-9.5-1(BF138672.D		2-Fluorophenol	150	106.92	71		18	112
			Phenol-d6	150	107.60	72		15	107
			Nitrobenzene-d5	100	72.90	73		18	107
			2-Fluorobiphenyl	100	75.42	75		20	109
			2,4,6-Tribromophenol	150	89.88	60		10	110
			Terphenyl-d14	100	68.99	69		14	112
P3393-13MSD	S-852-GI-SO-9.5-1(BF138673.D		2-Fluorophenol	150	110.05	73		18	112
			Phenol-d6	150	110.07	73		15	107
			Nitrobenzene-d5	100	73.80	74		18	107
			2-Fluorobiphenyl	100	75.87	76		20	109
			2,4,6-Tribromophenol	150	90.42	60		10	110
			Terphenyl-d14	100	67.62	68		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF072924

Lab Code: CHEM

SAS No.: BF072924

SDG NO.: BF072924

Lab File ID: BF138667.D

DFTPP Injection Date: 07/29/2024

Instrument ID: BNA_F

DFTPP Injection Time: 12:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	48.9
68	Less than 2.0% of mass 69	0.8 (2) 1
69	Mass 69 relative abundance	39.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.5
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	6.6
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	14.1
442	Greater than 50% of mass 198	88.2
443	15.0 - 24.0% of mass 442	16.9 (19.2) 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	BF138668.D	07/29/2024	12:56
PB162188BL	PB162188BL	BF138669.D	07/29/2024	14:08
EO-01-072524	P3363-01	BF138670.D	07/29/2024	15:04
S-852-GI-SO-9.5-10-072624	P3393-11	BF138671.D	07/29/2024	16:11
S-852-GI-SO-9.5-10-072624MS	P3393-12MS	BF138672.D	07/29/2024	16:42
S-852-GI-SO-9.5-10-072624MSD	P3393-13MSD	BF138673.D	07/29/2024	17:12
VNJ-220	P3362-02	BF138674.D	07/29/2024	17:43
72-11978	P3362-04	BF138675.D	07/29/2024	18:14
72-11978MS	P3362-04MS	BF138676.D	07/29/2024	18:45
72-11978MSD	P3362-04MSD	BF138677.D	07/29/2024	19:16
TR-06-07252024	P3367-01	BF138678.D	07/29/2024	19:47