

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF072324 SAS No.: BF072324 SDG No.: BF072324

Instrument ID: BNA_F Calibration Date/Time: 7/23/2024 1:10:22

Lab File ID: BF138609.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	0.896		-0.223	
Pyridine	1.379	1.457		5.656	
2-Fluorophenol	1.263	1.281		1.425	
Benzaldehyde	0.899	0.943		4.894	
Aniline	1.573	1.613		2.543	
Phenol-d6	1.680	1.738		3.452	
Phenol	1.783	1.819		2.019	20.0
bis(2-Chloroethyl) ether	1.343	1.387		3.276	
2-Chlorophenol	1.335	1.365		2.247	
1,2-Dichlorobenzene	1.420	1.405		-1.056	
1,3-Dichlorobenzene	1.501	1.488		-0.866	
1,4-Dichlorobenzene	1.524	1.511		-0.853	20.0
Benzyl Alcohol	1.261	1.290		2.3	
2-Methylphenol	1.094	1.125		2.834	
2,2-oxybis(1-Chloropropane)	2.640	2.489		-5.72	
Acetophenone	0.486	0.485		-0.206	
3+4-Methylphenols	1.378	1.416		2.758	
n-Nitroso-di-n-propylamine	1.038	1.024	0.050	-1.349	
Nitrobenzene-d5	0.407	0.412		1.229	
Hexachloroethane	0.560	0.571		1.964	
Nitrobenzene	0.414	0.418		0.966	
Isophorone	0.700	0.703		0.429	
2-Nitrophenol	0.177	0.187		5.65	20.0
2,4-Dimethylphenol	0.218	0.222		1.835	
bis(2-Chloroethoxy) methane	0.418	0.420		0.478	
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	0.187		-10.096	
Naphthalene	1.040	1.047		0.673	
4-Chloroaniline	0.365	0.344		-5.753	
Hexachlorobutadiene	0.203	0.188		-7.389	20.0
Caprolactam	0.091	0.089		-2.198	
4-Chloro-3-methylphenol	0.317	0.312		-1.577	20.0
2-Methylnaphthalene	0.669	0.644		-3.737	
Hexachlorocyclopentadiene	0.181	0.211	0.050	16.575	
2,4,6-Trichlorophenol	0.356	0.350		-1.685	20.0
2-Fluorobiphenyl	1.280	1.283		0.234	
2,4,5-Trichlorophenol	0.391	0.380		-2.813	
1,1-Biphenyl	1.516	1.535		1.253	

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Lab File ID: BF138609.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	1.148		0.262	
2-Nitroaniline	0.397	0.419		5.542	
Dimethylphthalate	1.293	1.275		-1.392	
Acenaphthylene	1.626	1.641		0.923	
2,6-Dinitrotoluene	0.298	0.294		-1.342	
3-Nitroaniline	0.305	0.296		-2.951	
Acenaphthene	1.081	1.123		3.885	20.0
2,4-Dinitrophenol	0.141	0.127	0.050	-9.929	
4-Nitrophenol	0.225	0.200	0.050	-11.111	
Dibenzofuran	1.567	1.554		-0.83	
2,4-Dinitrotoluene	0.385	0.387		0.519	
Diethylphthalate	1.247	1.218		-2.326	
4-Chlorophenyl-phenylether	0.623	0.592		-4.976	
Fluorene	1.240	1.233		-0.565	
4-Nitroaniline	0.306	0.295		-3.595	
4,6-Dinitro-2-methylphenol	0.115	0.120		4.348	
n-Nitrosodiphenylamine	0.599	0.629		5.008	20.0
Azobenzene	1.340	1.355		1.119	
2,4,6-Tribromophenol	0.187	0.187		0.0	
4-Bromophenyl-phenylether	0.206	0.206		0.0	
Hexachlorobenzene	0.228	0.233		2.193	
Atrazine	0.199	0.182		-8.543	
Pentachlorophenol	0.135	0.124		-8.148	20.0
Phenanthrene	1.010	1.020		0.99	
Anthracene	1.003	1.015		1.196	
Carbazole	0.901	0.897		-0.444	
Di-n-butylphthalate	1.039	1.058		1.829	
Fluoranthene	1.031	0.992		-3.783	20.0
Benzidine	0.505	0.455		-9.901	
Pyrene	2.030	2.133		5.074	
Terphenyl-d14	1.228	1.299		5.782	
Butylbenzylphthalate	0.611	0.695		13.748	
3,3-Dichlorobenzidine	0.346	0.345		-0.289	
Benzo(a)anthracene	1.342	1.343		0.075	
Chrysene	1.270	1.241		-2.283	
Bis(2-ethylhexyl)phthalate	0.651	0.742		13.978	
Di-n-octyl phthalate	1.029	0.999		-2.915	20.0
Benzo(b)fluoranthene	1.126	1.110		-1.421	
Benzo(k)fluoranthene	1.099	1.031		-6.187	

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Lab Name: CHEMTECH Contract: _____

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Instrument ID: BNA_F Calibration Date/Time: 7/23/2024 1:10:22

Lab File ID: BF138609.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	0.976		-1.314	20.0
Indeno(1,2,3-cd)pyrene	1.343	1.413		5.212	
Dibenzo(a,h)anthracene	1.099	1.142		3.913	
Benzo(g,h,i)perylene	1.165	1.204		3.348	
1,2,4,5-Tetrachlorobenzene	0.557	0.550		-1.257	
1,4-Dioxane	0.559	0.585		4.651	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.287		-7.12	
1-Methylnaphthalene	0.653	0.634		-2.91	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF072324 SAS No.: BF072324 SDG No.: BF072324

Instrument ID: BNA_F Calibration Date/Time: 7/23/2024 1: 21:09

Lab File ID: BF138630.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.898	0.878		-2.227	50.0
Pyridine	1.379	1.456		5.584	50.0
2-Fluorophenol	1.263	1.279		1.267	50.0
Benzaldehyde	0.899	1.033		14.905	50.0
Aniline	1.573	1.564		-0.572	50.0
Phenol-d6	1.680	1.726		2.738	50.0
Phenol	1.783	1.792		0.505	50.0
bis(2-Chloroethyl) ether	1.343	1.362		1.415	50.0
2-Chlorophenol	1.335	1.337		0.15	50.0
1,2-Dichlorobenzene	1.420	1.389		-2.183	50.0
1,3-Dichlorobenzene	1.501	1.474		-1.799	50.0
1,4-Dichlorobenzene	1.524	1.505		-1.247	50.0
Benzyl Alcohol	1.261	1.287		2.062	50.0
2-Methylphenol	1.094	1.128		3.108	50.0
2,2-oxybis(1-Chloropropane)	2.640	2.398		-9.167	50.0
Acetophenone	0.486	0.494		1.646	50.0
3+4-Methylphenols	1.378	1.403		1.814	50.0
n-Nitroso-di-n-propylamine	1.038	1.020	0.050	-1.734	50.0
Nitrobenzene-d5	0.407	0.420		3.194	50.0
Hexachloroethane	0.560	0.554		-1.071	50.0
Nitrobenzene	0.414	0.422		1.932	50.0
Isophorone	0.700	0.713		1.857	50.0
2-Nitrophenol	0.177	0.186		5.085	50.0
2,4-Dimethylphenol	0.218	0.222		1.835	50.0
bis(2-Chloroethoxy) methane	0.418	0.430		2.871	50.0
2,4-Dichlorophenol	0.283	0.280		-1.06	50.0
1,2,4-Trichlorobenzene	0.330	0.313		-5.152	50.0
Benzoic acid	0.208	0.189		-9.135	50.0
Naphthalene	1.040	1.035		-0.481	50.0
4-Chloroaniline	0.365	0.335		-8.219	50.0
Hexachlorobutadiene	0.203	0.192		-5.419	50.0
Caprolactam	0.091	0.090		-1.099	50.0
4-Chloro-3-methylphenol	0.317	0.311		-1.893	50.0
2-Methylnaphthalene	0.669	0.644		-3.737	50.0
Hexachlorocyclopentadiene	0.181	0.112	0.050	-38.122	50.0
2,4,6-Trichlorophenol	0.356	0.359		0.843	50.0
2-Fluorobiphenyl	1.280	1.346		5.156	50.0
2,4,5-Trichlorophenol	0.391	0.384		-1.79	50.0
1,1-Biphenyl	1.516	1.614		6.464	50.0

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EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.145	1.169		2.096	50.0
2-Nitroaniline	0.397	0.431		8.564	50.0
Dimethylphthalate	1.293	1.375		6.342	50.0
Acenaphthylene	1.626	1.643		1.046	50.0
2,6-Dinitrotoluene	0.298	0.306		2.685	50.0
3-Nitroaniline	0.305	0.291		-4.59	50.0
Acenaphthene	1.081	1.109		2.59	50.0
2,4-Dinitrophenol	0.141	0.089	0.050	-36.879	50.0
4-Nitrophenol	0.225	0.173	0.050	-23.111	50.0
Dibenzofuran	1.567	1.536		-1.978	50.0
2,4-Dinitrotoluene	0.385	0.370		-3.896	50.0
Diethylphthalate	1.247	1.301		4.33	50.0
4-Chlorophenyl-phenylether	0.623	0.596		-4.334	50.0
Fluorene	1.240	1.178		-5.0	50.0
4-Nitroaniline	0.306	0.267		-12.745	50.0
4,6-Dinitro-2-methylphenol	0.115	0.110		-4.348	50.0
n-Nitrosodiphenylamine	0.599	0.747		24.708	50.0
Azobenzene	1.340	1.319		-1.567	50.0
2,4,6-Tribromophenol	0.187	0.163		-12.834	50.0
4-Bromophenyl-phenylether	0.206	0.244		18.447	50.0
Hexachlorobenzene	0.228	0.252		10.526	50.0
Atrazine	0.199	0.164		-17.588	50.0
Pentachlorophenol	0.135	0.116		-14.074	50.0
Phenanthrene	1.010	1.024		1.386	50.0
Anthracene	1.003	1.007		0.399	50.0
Carbazole	0.901	0.838		-6.992	50.0
Di-n-butylphthalate	1.039	1.186		14.148	50.0
Fluoranthene	1.031	0.880		-14.646	50.0
Benzidine	0.505	0.407		-19.406	50.0
Pyrene	2.030	1.373		-32.365	50.0
Terphenyl-d14	1.228	0.898		-26.873	50.0
Butylbenzylphthalate	0.611	0.593		-2.946	50.0
3,3-Dichlorobenzidine	0.346	0.401		15.896	50.0
Benzo(a)anthracene	1.342	1.405		4.694	50.0
Chrysene	1.270	1.202		-5.354	50.0
Bis(2-ethylhexyl)phthalate	0.651	0.858		31.797	50.0
Di-n-octyl phthalate	1.029	1.562		51.798	50.0
Benzo(b)fluoranthene	1.126	1.325		17.673	50.0
Benzo(k)fluoranthene	1.099	1.316		19.745	50.0

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	0.989	1.023		3.438	50.0
Indeno(1,2,3-cd)pyrene	1.343	0.908		-32.39	50.0
Dibenzo(a,h)anthracene	1.099	0.749		-31.847	50.0
Benzo(g,h,i)perylene	1.165	0.755		-35.193	50.0
1,2,4,5-Tetrachlorobenzene	0.557	0.580		4.129	50.0
1,4-Dioxane	0.559	0.574		2.683	50.0
2,3,4,6-Tetrachlorophenol	0.309	0.270		-12.621	50.0
1-Methylnaphthalene	0.653	0.627		-3.982	50.0

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.:	BF072324
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
BF138610.D	1	7/20/2024 12:00:00 AM	7/23/2024 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.:	BF072324
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
BF138610.D	1	7/20/2024 12:00:00 AM	7/23/2024 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.:	BF072324
Lab Sample ID:	PB162188BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138610.D	1	7/20/2024 12:00:00 AM	7/23/2024 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	148.099		18-112		99	SPK: -150
13127-88-3	Phenol-d6	148.21		15-107		99	SPK: -150
4165-60-0	Nitrobenzene-d5	95.986		18-107		96	SPK: -100
321-60-8	2-Fluorobiphenyl	94.687		20-109		95	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.:	BF072324
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
BF138610.D	1	7/20/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	140.192		10-110		93	SPK: -150
1718-51-0	Terphenyl-d14	107.147		14-112		107	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82784	6.851				
1146-65-2	Naphthalene-d8	349515	8.133				
15067-26-2	Acenaphthene-d10	192477	9.886				
1517-22-2	Phenanthrene-d10	331090	11.374				
1719-03-5	Chrysene-d12	181089	14.01				
1520-96-3	Perylene-d12	152102	15.474				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	150	J			2.246	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	A			5.104	
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	110	J			16.956	

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:	PB162188BS	SDG No.:	BF072324
Lab Sample ID:	PB162188BS	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
BF138611.D	1	7/20/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.7	270	330	ug/Kg
110-86-1	Pyridine	1400		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	210	J	180	270	330	ug/Kg
62-53-3	Aniline	1200		96.8	130	170	ug/Kg
108-95-2	Phenol	1600		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	130	170	ug/Kg
78-59-1	Isophorone	1600		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1200		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	810		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		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:	PB162188BS	SDG No.:	BF072324
Lab Sample ID:	PB162188BS	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
BF138611.D	1	7/20/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1400		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4000	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	960		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81	130	170	ug/Kg
Total PAH	Total PAH	24900		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2500		240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2700	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3000		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.5	130	170	ug/Kg
86-73-7	Fluorene	1500		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1600		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1400		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:	PB162188BS	SDG No.:	BF072324
Lab Sample ID:	PB162188BS	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
BF138611.D	1	7/20/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2600		77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1600		83.9	130	170	ug/Kg
120-12-7	Anthracene	1600		84.3	130	170	ug/Kg
86-74-8	Carbazole	1500		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.6	130	170	ug/Kg
92-87-5	Benzidine	1100		160	270	330	ug/Kg
129-00-0	Pyrene	1500		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1600		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	126.771		18-112		85	SPK: -150
13127-88-3	Phenol-d6	127.985		15-107		85	SPK: -150
4165-60-0	Nitrobenzene-d5	84.891		18-107		85	SPK: -100
321-60-8	2-Fluorobiphenyl	84.401		20-109		84	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:	PB162188BS	SDG No.:	BF072324
Lab Sample ID:	PB162188BS	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
BF138611.D	1	7/20/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	124.187		10-110		83	SPK: -150
1718-51-0	Terphenyl-d14	100.78		14-112		101	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	91789	6.857				
1146-65-2	Naphthalene-d8	376167	8.139				
15067-26-2	Acenaphthene-d10	202787	9.892				
1517-22-2	Phenanthrene-d10	340177	11.38				
1719-03-5	Chrysene-d12	166767	14.016				
1520-96-3	Perylene-d12	161601	15.474				

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162154BL	SDG No.:	BF072324
Lab Sample ID:	PB162154BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138612.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162154BL	SDG No.:	BF072324
Lab Sample ID:	PB162154BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138612.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162154BL	SDG No.:	BF072324
Lab Sample ID:	PB162154BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138612.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	144.278		10-139		96	SPK: -150
13127-88-3	Phenol-d6	143.403		10-134		96	SPK: -150
4165-60-0	Nitrobenzene-d5	97.882		49-133		98	SPK: -100
321-60-8	2-Fluorobiphenyl	95.076		52-132		95	SPK: -100

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162154BL	SDG No.:	BF072324
Lab Sample ID:	PB162154BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138612.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	137.35		32-145		92	SPK: -150
1718-51-0	Terphenyl-d14	114.277		36-145		114	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82123	6.851				
1146-65-2	Naphthalene-d8	335533	8.134				
15067-26-2	Acenaphthene-d10	185994	9.886				
1517-22-2	Phenanthrene-d10	318836	11.375				
1719-03-5	Chrysene-d12	157987	14.01				
1520-96-3	Perylene-d12	139993	15.474				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	4.2	J			2.246	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.5	A			5.104	

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162154BS	SDG No.:	BF072324
Lab Sample ID:	PB162154BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138613.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	45.4		1	8	10	ug/L
110-86-1	Pyridine	40.2		1.6	4	5	ug/L
100-52-7	Benzaldehyde	6.1	J	4	8	10	ug/L
62-53-3	Aniline	33.3		1.6	4	5	ug/L
108-95-2	Phenol	46.1		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	47.2		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	47.8		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	45.1		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	43.6		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	43.9		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	48		1.6	8	10	ug/L
95-48-7	2-Methylphenol	47.3		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.8		1.4	4	5	ug/L
98-86-2	Acetophenone	42		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	46.7		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	47.2		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	45.3		1	4	5	ug/L
98-95-3	Nitrobenzene	43.8		1.3	4	5	ug/L
78-59-1	Isophorone	46.2		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	47.4		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	49.7		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.7		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	44		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	41.7		1.1	4	5	ug/L
65-85-0	Benzoic acid	34.9		5.5	8	10	ug/L
91-20-3	Naphthalene	44.2		1	4	5	ug/L
106-47-8	4-Chloroaniline	20.4		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	39.7		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162154BS	SDG No.:	BF072324
Lab Sample ID:	PB162154BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138613.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	41.9		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	45		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	43.6		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	120	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	43.8		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	41.2		1	4	5	ug/L
92-52-4	1,1-Biphenyl	41.4		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	43.4		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	46.4		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	45.3		0.93	4	5	ug/L
208-96-8	Acenaphthylene	48.1		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	43.9		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	28.1		1.4	4	5	ug/L
83-32-9	Acenaphthene	45.3		0.81	4	5	ug/L
Total PAH	Total PAH	734.2		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	75.1		6.4	8	10	ug/L
100-02-7	4-Nitrophenol	82.4	E	2	8	10	ug/L
132-64-9	Dibenzofuran	44.7		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	88.6		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	44.7		1.5	4	5	ug/L
84-66-2	Diethylphthalate	44		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.9		0.98	4	5	ug/L
86-73-7	Fluorene	44.4		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	42.3		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.1		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	46.4		0.89	4	5	ug/L
103-33-3	Azobenzene	45.7		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	44.4		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	44.4		1.1	4	5	ug/L
1912-24-9	Atrazine	42.4		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162154BS	SDG No.:	BF072324
Lab Sample ID:	PB162154BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138613.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	75.7		1.9	8	10	ug/L
85-01-8	Phenanthrene	45.7		0.89	4	5	ug/L
120-12-7	Anthracene	47.1		1.1	4	5	ug/L
86-74-8	Carbazole	44.9		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	46.5		1.5	4	5	ug/L
206-44-0	Fluoranthene	43.6		1.3	4	5	ug/L
92-87-5	Benzidine	32.7		4.1	8	10	ug/L
129-00-0	Pyrene	45.1		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	52.6		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	31.7		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	47.4		0.94	4	5	ug/L
218-01-9	Chrysene	45.2		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	55.7		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	47		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	45.2		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	45.9		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	48.6		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.3		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.3		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	43.8		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.9		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	36.9		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.4		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	41.5		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	125.177		10-139		83	SPK: -150
13127-88-3	Phenol-d6	126.502		10-134		84	SPK: -150
4165-60-0	Nitrobenzene-d5	83.786		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	82.587		52-132		83	SPK: -100

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162154BS	SDG No.:	BF072324
Lab Sample ID:	PB162154BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138613.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	124.681		32-145		83	SPK: -150
1718-51-0	Terphenyl-d14	99.338		36-145		99	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	91387	6.857				
1146-65-2	Naphthalene-d8	373439	8.139				
15067-26-2	Acenaphthene-d10	200548	9.892				
1517-22-2	Phenanthrene-d10	338830	11.38				
1719-03-5	Chrysene-d12	166701	14.015				
1520-96-3	Perylene-d12	159541	15.474				

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162154BSD	SDG No.:	BF072324
Lab Sample ID:	PB162154BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138614.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	44.5		1	8	10	ug/L
110-86-1	Pyridine	40.4		1.6	4	5	ug/L
100-52-7	Benzaldehyde	6.2	J	4	8	10	ug/L
62-53-3	Aniline	33.4		1.6	4	5	ug/L
108-95-2	Phenol	45.9		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	47.1		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	47.5		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	44.5		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	43.6		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	43.3		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	46.8		1.6	8	10	ug/L
95-48-7	2-Methylphenol	46.8		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.4		1.4	4	5	ug/L
98-86-2	Acetophenone	41.2		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	46.7		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	46.6		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	45.2		1	4	5	ug/L
98-95-3	Nitrobenzene	43.4		1.3	4	5	ug/L
78-59-1	Isophorone	46.2		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	47.1		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	49.3		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.5		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	44.1		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	41.2		1.1	4	5	ug/L
65-85-0	Benzoic acid	35.8		5.5	8	10	ug/L
91-20-3	Naphthalene	43.6		1	4	5	ug/L
106-47-8	4-Chloroaniline	19.5		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	39.5		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162154BSD	SDG No.:	BF072324
Lab Sample ID:	PB162154BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138614.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	41.7		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	45		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	43.7		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	120	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	42.6		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	40.9		1	4	5	ug/L
92-52-4	1,1-Biphenyl	41.4		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	43.3		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	46.5		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	44.9		0.93	4	5	ug/L
208-96-8	Acenaphthylene	48.3		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	43.1		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	26.7		1.4	4	5	ug/L
83-32-9	Acenaphthene	45.5		0.81	4	5	ug/L
Total PAH	Total PAH	734.9		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	76.4		6.4	8	10	ug/L
100-02-7	4-Nitrophenol	79.7		2	8	10	ug/L
132-64-9	Dibenzofuran	43.9		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	87.5		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	44.4		1.5	4	5	ug/L
84-66-2	Diethylphthalate	44.5		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.7		0.98	4	5	ug/L
86-73-7	Fluorene	43.8		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	41.5		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.9		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	46.8		0.89	4	5	ug/L
103-33-3	Azobenzene	45.6		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	45.1		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	44.9		1.1	4	5	ug/L
1912-24-9	Atrazine	43.1		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162154BSD	SDG No.:	BF072324
Lab Sample ID:	PB162154BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138614.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2		1.9	8	10	ug/L
85-01-8	Phenanthrene	45.9		0.89	4	5	ug/L
120-12-7	Anthracene	47.3		1.1	4	5	ug/L
86-74-8	Carbazole	45.3		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	46.6		1.5	4	5	ug/L
206-44-0	Fluoranthene	43.6		1.3	4	5	ug/L
92-87-5	Benzidine	32.8		4.1	8	10	ug/L
129-00-0	Pyrene	45.8		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	52.7		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	33.1		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	47.3		0.94	4	5	ug/L
218-01-9	Chrysene	45		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	53.7		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	48.1		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	45.1		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	44.9		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	48.4		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	49		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.3		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	44.1		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.4		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	36.2		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.3		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	41.5		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	124.36		10-139		83	SPK: -150
13127-88-3	Phenol-d6	125.204		10-134		83	SPK: -150
4165-60-0	Nitrobenzene-d5	83.712		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	82.328		52-132		82	SPK: -100



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

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162154BSD	SDG No.:	BF072324
Lab Sample ID:	PB162154BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138614.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	123.837		32-145		83	SPK: -150
1718-51-0	Terphenyl-d14	100.316		36-145		100	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89108	6.851				
1146-65-2	Naphthalene-d8	362675	8.134				
15067-26-2	Acenaphthene-d10	196145	9.892				
1517-22-2	Phenanthrene-d10	325879	11.375				
1719-03-5	Chrysene-d12	155298	14.016				
1520-96-3	Perylene-d12	157089	15.474				

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162142BL	SDG No.:	BF072324
Lab Sample ID:	PB162142BL	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
BF138615.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162142

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:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162142BL	SDG No.:	BF072324
Lab Sample ID:	PB162142BL	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
BF138615.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162142

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:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162142BL	SDG No.:	BF072324
Lab Sample ID:	PB162142BL	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
BF138615.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162142

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	146.497		18-112		98	SPK: -150
13127-88-3	Phenol-d6	144.21		15-107		96	SPK: -150
4165-60-0	Nitrobenzene-d5	98.127		18-107		98	SPK: -100
321-60-8	2-Fluorobiphenyl	96.229		20-109		96	SPK: -100

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162142BL	SDG No.:	BF072324
Lab Sample ID:	PB162142BL	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
BF138615.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162142

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	138.293		10-110		92	SPK: -150
1718-51-0	Terphenyl-d14	118.414	*	14-112		118	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	78531	6.851				
1146-65-2	Naphthalene-d8	322119	8.134				
15067-26-2	Acenaphthene-d10	177237	9.886				
1517-22-2	Phenanthrene-d10	308800	11.375				
1719-03-5	Chrysene-d12	145501	14.01				
1520-96-3	Perylene-d12	137557	15.468				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	150	J			2.234	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	A			5.104	

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162142BS	SDG No.:	BF072324
Lab Sample ID:	PB162142BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138616.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162142

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.8	270	330	ug/Kg
110-86-1	Pyridine	1300		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	200	J	180	270	330	ug/Kg
62-53-3	Aniline	1100		96.9	130	170	ug/Kg
108-95-2	Phenol	1500		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1500		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.8	130	170	ug/Kg
78-59-1	Isophorone	1500		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1500		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.4	130	170	ug/Kg
65-85-0	Benzoic acid	1100		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	630		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1300		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162142BS	SDG No.:	BF072324
Lab Sample ID:	PB162142BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138616.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162142

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1400		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3900	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		95	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	900		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81.1	130	170	ug/Kg
Total PAH	Total PAH	24600		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2500		240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2600		120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.4	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3000		169.4	130	340	ug/Kg
84-66-2	Diethylphthalate	1500		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.6	130	170	ug/Kg
86-73-7	Fluorene	1500		85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		85	130	170	ug/Kg
1912-24-9	Atrazine	1400		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162142BS	SDG No.:	BF072324
Lab Sample ID:	PB162142BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138616.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162142

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2500		77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1500		84	130	170	ug/Kg
120-12-7	Anthracene	1600		84.4	130	170	ug/Kg
86-74-8	Carbazole	1500		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.7	130	170	ug/Kg
92-87-5	Benzidine	1100		160	270	330	ug/Kg
129-00-0	Pyrene	1500		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.7	130	170	ug/Kg
218-01-9	Chrysene	1600		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	123.802		18-112		83	SPK: -150
13127-88-3	Phenol-d6	124.391		15-107		83	SPK: -150
4165-60-0	Nitrobenzene-d5	83.376		18-107		83	SPK: -100
321-60-8	2-Fluorobiphenyl	81.968		20-109		82	SPK: -100

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	PB162142BS	SDG No.:	BF072324
Lab Sample ID:	PB162142BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138616.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162142

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	122.871		10-110		82	SPK: -150
1718-51-0	Terphenyl-d14	102.471		14-112		102	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	90264	6.857				
1146-65-2	Naphthalene-d8	366629	8.139				
15067-26-2	Acenaphthene-d10	195838	9.892				
1517-22-2	Phenanthrene-d10	325105	11.374				
1719-03-5	Chrysene-d12	155517	14.015				
1520-96-3	Perylene-d12	153294	15.474				

Report of Analysis

Client:		Date Collected:	7/16/2024 12:00:00 AM
Project:		Date Received:	7/16/2024 12:00:00 AM
Client Sample ID:	PB162084BS	SDG No.:	BF072324
Lab Sample ID:	PB162084BS	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
BF138617.D	1	7/16/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.7	270	330	ug/Kg
110-86-1	Pyridine	1300		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	200	J	180	270	330	ug/Kg
62-53-3	Aniline	1100		96.8	130	170	ug/Kg
108-95-2	Phenol	1500		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.7	130	170	ug/Kg
78-59-1	Isophorone	1500		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1200		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	630		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1300		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/16/2024 12:00:00 AM
Project:		Date Received:	7/16/2024 12:00:00 AM
Client Sample ID:	PB162084BS	SDG No.:	BF072324
Lab Sample ID:	PB162084BS	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
BF138617.D	1	7/16/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1400		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3900	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	940		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81	130	170	ug/Kg
Total PAH	Total PAH	24400		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2600		240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2700	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3000		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.5	130	170	ug/Kg
86-73-7	Fluorene	1500		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1400		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/16/2024 12:00:00 AM
Project:		Date Received:	7/16/2024 12:00:00 AM
Client Sample ID:	PB162084BS	SDG No.:	BF072324
Lab Sample ID:	PB162084BS	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
BF138617.D	1	7/16/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2600		77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	130	170	ug/Kg
120-12-7	Anthracene	1600		84.3	130	170	ug/Kg
86-74-8	Carbazole	1500		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.6	130	170	ug/Kg
92-87-5	Benzidine	1100		160	270	330	ug/Kg
129-00-0	Pyrene	1500		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1500		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	126.982		18-112		85	SPK: -150
13127-88-3	Phenol-d6	127.155		15-107		85	SPK: -150
4165-60-0	Nitrobenzene-d5	83.089		18-107		83	SPK: -100
321-60-8	2-Fluorobiphenyl	83.431		20-109		83	SPK: -100

Report of Analysis

Client:		Date Collected:	7/16/2024 12:00:00 AM
Project:		Date Received:	7/16/2024 12:00:00 AM
Client Sample ID:	PB162084BS	SDG No.:	BF072324
Lab Sample ID:	PB162084BS	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
BF138617.D	1	7/16/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	124.479		10-110		83	SPK: -150
1718-51-0	Terphenyl-d14	101.101		14-112		101	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	86746	6.851				
1146-65-2	Naphthalene-d8	357957	8.134				
15067-26-2	Acenaphthene-d10	189830	9.892				
1517-22-2	Phenanthrene-d10	320457	11.375				
1719-03-5	Chrysene-d12	157674	14.016				
1520-96-3	Perylene-d12	158633	15.474				

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290	SDG No.:	BF072324
Lab Sample ID:	P3302-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138618.D	1	7/23/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162224

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

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290	SDG No.:	BF072324
Lab Sample ID:	P3302-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138618.D	1	7/23/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162224

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

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290	SDG No.:	BF072324
Lab Sample ID:	P3302-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138618.D	1	7/23/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	170		40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	153.225		10-139		102	SPK: -150
13127-88-3	Phenol-d6	145.121		10-134		97	SPK: -150
4165-60-0	Nitrobenzene-d5	106.403		49-133		106	SPK: -100
321-60-8	2-Fluorobiphenyl	102.526		52-132		103	SPK: -100



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

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290	SDG No.:	BF072324
Lab Sample ID:	P3302-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
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
BF138618.D	1	7/23/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	153.597		32-145		102	SPK: -150
1718-51-0	Terphenyl-d14	111.681		36-145		112	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	74870	6.851				
1146-65-2	Naphthalene-d8	304000	8.134				
15067-26-2	Acenaphthene-d10	166656	9.886				
1517-22-2	Phenanthrene-d10	262396	11.375				
1719-03-5	Chrysene-d12	118795	14.01				
1520-96-3	Perylene-d12	137361	15.474				

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290MS	SDG No.:	BF072324
Lab Sample ID:	P3302-03MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138619.D	1	7/23/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	530		10.3	80	100	ug/L
110-86-1	Pyridine	430		15.5	40	50	ug/L
100-52-7	Benzaldehyde	41.8	J	40	80	100	ug/L
62-53-3	Aniline	270		16	40	50	ug/L
108-95-2	Phenol	560		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	590		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	600		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	540		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	520		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	510		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	620		16	80	100	ug/L
95-48-7	2-Methylphenol	600		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	520		13.5	40	50	ug/L
98-86-2	Acetophenone	520		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	610		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	600		14.8	25	25	ug/L
67-72-1	Hexachloroethane	530		10.1	40	50	ug/L
98-95-3	Nitrobenzene	560		12.7	40	50	ug/L
78-59-1	Isophorone	590		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	590		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	640		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	580		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	570		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	510		11	40	50	ug/L
65-85-0	Benzoic acid	470		54.7	80	100	ug/L
91-20-3	Naphthalene	550		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	120		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	480		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290MS	SDG No.:	BF072324
Lab Sample ID:	P3302-03MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138619.D	1	7/23/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	460		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	590		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	550		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1100	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	580		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	550		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	530		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	550		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	600		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	590		9.3	40	50	ug/L
208-96-8	Acenaphthylene	610		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	550		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	260		13.7	40	50	ug/L
83-32-9	Acenaphthene	580		8.1	40	50	ug/L
Total PAH	Total PAH	8410		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	920	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	980	E	20	80	100	ug/L
132-64-9	Dibenzofuran	560		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	100		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	550		15.2	40	50	ug/L
84-66-2	Diethylphthalate	570		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	540		9.8	40	50	ug/L
86-73-7	Fluorene	550		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	510		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	620		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	640		8.9	40	50	ug/L
103-33-3	Azobenzene	580		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	610		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	580		11.4	40	50	ug/L
1912-24-9	Atrazine	570		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290MS	SDG No.:	BF072324
Lab Sample ID:	P3302-03MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138619.D	1	7/23/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1000	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	590		8.9	40	50	ug/L
120-12-7	Anthracene	600		10.7	40	50	ug/L
86-74-8	Carbazole	540		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	630		14.7	40	50	ug/L
206-44-0	Fluoranthene	450		12.9	40	50	ug/L
92-87-5	Benzidine	400		40.7	80	100	ug/L
129-00-0	Pyrene	490		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	630		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	380		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	610		9.4	40	50	ug/L
218-01-9	Chrysene	590		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	770		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	900	E	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	580		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	600		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	610		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	350		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	360		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	290		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	500		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	450		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	550		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	520		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	153.782		10-139		103	SPK: -150
13127-88-3	Phenol-d6	152.667		10-134		102	SPK: -150
4165-60-0	Nitrobenzene-d5	104.443		49-133		104	SPK: -100
321-60-8	2-Fluorobiphenyl	101.831		52-132		102	SPK: -100

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290MS	SDG No.:	BF072324
Lab Sample ID:	P3302-03MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138619.D	1	7/23/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	149.292		32-145		100	SPK: -150
1718-51-0	Terphenyl-d14	110.723		36-145		111	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	76825	6.857				
1146-65-2	Naphthalene-d8	312912	8.134				
15067-26-2	Acenaphthene-d10	168716	9.892				
1517-22-2	Phenanthrene-d10	259776	11.375				
1719-03-5	Chrysene-d12	114661	14.01				
1520-96-3	Perylene-d12	147152	15.474				

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290MSD	SDG No.:	BF072324
Lab Sample ID:	P3302-03MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138620.D	1	7/23/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	520		10.3	80	100	ug/L
110-86-1	Pyridine	410		15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	260		16	40	50	ug/L
108-95-2	Phenol	550		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	570		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	580		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	530		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	510		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	510		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	600		16	80	100	ug/L
95-48-7	2-Methylphenol	580		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	510		13.5	40	50	ug/L
98-86-2	Acetophenone	500		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	590		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	590		14.8	25	25	ug/L
67-72-1	Hexachloroethane	520		10.1	40	50	ug/L
98-95-3	Nitrobenzene	520		12.7	40	50	ug/L
78-59-1	Isophorone	570		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	570		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	610		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	550		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	550		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	480		11	40	50	ug/L
65-85-0	Benzoic acid	440		54.7	80	100	ug/L
91-20-3	Naphthalene	520		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	110		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	460		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290MSD	SDG No.:	BF072324
Lab Sample ID:	P3302-03MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138620.D	1	7/23/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	420		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	570		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	530		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1100	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	550		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	530		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	510		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	540		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	580		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	580		9.3	40	50	ug/L
208-96-8	Acenaphthylene	600		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	550		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	240		13.7	40	50	ug/L
83-32-9	Acenaphthene	550		8.1	40	50	ug/L
Total PAH	Total PAH	8030		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	860	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	930	E	20	80	100	ug/L
132-64-9	Dibenzofuran	550		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	100		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	550		15.2	40	50	ug/L
84-66-2	Diethylphthalate	560		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	520		9.8	40	50	ug/L
86-73-7	Fluorene	540		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	490		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	590		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	620		8.9	40	50	ug/L
103-33-3	Azobenzene	560		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	590		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	570		11.4	40	50	ug/L
1912-24-9	Atrazine	550		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290MSD	SDG No.:	BF072324
Lab Sample ID:	P3302-03MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138620.D	1	7/23/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	940	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	560		8.9	40	50	ug/L
120-12-7	Anthracene	580		10.7	40	50	ug/L
86-74-8	Carbazole	510		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	610		14.7	40	50	ug/L
206-44-0	Fluoranthene	420		12.9	40	50	ug/L
92-87-5	Benzidine	360		40.7	80	100	ug/L
129-00-0	Pyrene	440		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	580		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	360		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	580		9.4	40	50	ug/L
218-01-9	Chrysene	540		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	730		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	850	E	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	600		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	550		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	600		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	340		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	340		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	270		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	490		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	430		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	530		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	510		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	149.121		10-139		99	SPK: -150
13127-88-3	Phenol-d6	149.441		10-134		100	SPK: -150
4165-60-0	Nitrobenzene-d5	100.575		49-133		101	SPK: -100
321-60-8	2-Fluorobiphenyl	99.717		52-132		100	SPK: -100

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290MSD	SDG No.:	BF072324
Lab Sample ID:	P3302-03MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138620.D	1	7/23/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	144.328		32-145		96	SPK: -150
1718-51-0	Terphenyl-d14	100.521		36-145		101	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75853	6.857				
1146-65-2	Naphthalene-d8	316790	8.134				
15067-26-2	Acenaphthene-d10	169643	9.892				
1517-22-2	Phenanthrene-d10	263718	11.374				
1719-03-5	Chrysene-d12	122216	14.01				
1520-96-3	Perylene-d12	150368	15.474				

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	IDW-T1-01	SDG No.:	BF072324
Lab Sample ID:	P3282-04	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138621.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	70.8		1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	9.4	J	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	IDW-T1-01	SDG No.:	BF072324
Lab Sample ID:	P3282-04	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138621.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	IDW-T1-01	SDG No.:	BF072324
Lab Sample ID:	P3282-04	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138621.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	88.093		10-139		59	SPK: -150
13127-88-3	Phenol-d6	59.545		10-134		40	SPK: -150
4165-60-0	Nitrobenzene-d5	98.092		49-133		98	SPK: -100
321-60-8	2-Fluorobiphenyl	95.009		52-132		95	SPK: -100

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	IDW-T1-01	SDG No.:	BF072324
Lab Sample ID:	P3282-04	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138621.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	135.041		32-145		90	SPK: -150
1718-51-0	Terphenyl-d14	84.279		36-145		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	74807	6.851				
1146-65-2	Naphthalene-d8	312420	8.134				
15067-26-2	Acenaphthene-d10	167652	9.886				
1517-22-2	Phenanthrene-d10	250026	11.369				
1719-03-5	Chrysene-d12	122770	14.004				
1520-96-3	Perylene-d12	135027	15.468				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	270	J			2.169	
001193-11-9	1,3-Dioxolane, 2,2,4-trimethyl-	19.1	J			2.969	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.2	A			5.075	
000111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	3.3	J			6.681	
000770-35-4	1-Phenoxypropan-2-ol	5.1	J			8.445	
	unknown9.981	3.4	J			9.981	
000057-10-3	n-Hexadecanoic acid	5.9	J			11.892	
	unknown12.463	2.6	J			12.463	
	unknown12.704	4.2	J			12.704	
000112-92-5	1-Octadecanol	6.5	J			13.869	

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	SP-303-20240717	SDG No.:	BF072324
Lab Sample ID:	P3299-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138622.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8.1	10.1	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5.1	ug/L
100-52-7	Benzaldehyde	4	U	4	8.1	10.1	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5.1	ug/L
108-95-2	Phenol	0.94	U	0.94	4	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5.1	ug/L
95-57-8	2-Chlorophenol	0.72	U	0.72	4	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	0.89	U	0.89	4	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	0.81	U	0.81	4	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	0.85	U	0.85	4	5.1	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8.1	10.1	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5.1	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5.1	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8.1	10.1	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5.1	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5.1	ug/L
78-59-1	Isophorone	1.2	U	1.2	4	5.1	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5.1	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5.1	ug/L
120-83-2	2,4-Dichlorophenol	0.89	U	0.89	4	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5.1	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8.1	10.1	ug/L
91-20-3	Naphthalene	1	U	1	4	5.1	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5.1	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	SP-303-20240717	SDG No.:	BF072324
Lab Sample ID:	P3299-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138622.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8.1	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	0.85	U	0.85	4	5.1	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5.1	ug/L
77-47-4	Hexachlorocyclopentadiene	5.1	U	5.1	8.1	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	0.9	U	0.9	4	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5.1	ug/L
92-52-4	1,1-Biphenyl	0.92	U	0.92	4	5.1	ug/L
91-58-7	2-Chloronaphthalene	0.98	U	0.98	4	5.1	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5.1	ug/L
131-11-3	Dimethylphthalate	0.94	U	0.94	4	5.1	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	4	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	4	5.1	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5.1	ug/L
83-32-9	Acenaphthene	0.82	U	0.82	4	5.1	ug/L
Total PAH	Total PAH	17.61	U	17.61	4	81.6	ug/L
51-28-5	2,4-Dinitrophenol	6.5	U	6.5	8.1	10.1	ug/L
100-02-7	4-Nitrophenol	2	U	2	8.1	10.1	ug/L
132-64-9	Dibenzofuran	0.94	U	0.94	4	5.1	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.8	U	2.8	4	10.2	ug/L
84-66-2	Diethylphthalate	1.1	U	1.1	4	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.99	U	0.99	4	5.1	ug/L
86-73-7	Fluorene	0.97	U	0.97	4	5.1	ug/L
100-01-6	4-Nitroaniline	2.1	U	2.1	4	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8.1	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	0.9	U	0.9	4	5.1	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.96	U	0.96	4	5.1	ug/L
118-74-1	Hexachlorobenzene	1.2	U	1.2	4	5.1	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	SP-303-20240717	SDG No.:	BF072324
Lab Sample ID:	P3299-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
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
BF138622.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8.1	10.1	ug/L
85-01-8	Phenanthrene	0.9	U	0.9	4	5.1	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5.1	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5.1	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5.1	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5.1	ug/L
92-87-5	Benzidine	4.1	U	4.1	8.1	10.1	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8.1	10.1	ug/L
56-55-3	Benzo(a)anthracene	0.95	U	0.95	4	5.1	ug/L
218-01-9	Chrysene	0.87	U	0.87	4	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5.1	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8.1	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	1.2	U	1.2	4	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5.1	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5.1	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.8	U	0.8	4	5.1	ug/L
90-12-0	1-Methylnaphthalene	0.87	U	0.87	4	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	91.622		10-139		61	SPK: -150
13127-88-3	Phenol-d6	61.56		10-134		41	SPK: -150
4165-60-0	Nitrobenzene-d5	94.344		49-133		94	SPK: -100
321-60-8	2-Fluorobiphenyl	93.295		52-132		93	SPK: -100

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	SP-303-20240717	SDG No.:	BF072324
Lab Sample ID:	P3299-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138622.D	1	7/18/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	132.571		32-145		88	SPK: -150
1718-51-0	Terphenyl-d14	101.76		36-145		102	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	73962	6.851				
1146-65-2	Naphthalene-d8	306137	8.134				
15067-26-2	Acenaphthene-d10	167304	9.886				
1517-22-2	Phenanthrene-d10	262859	11.369				
1719-03-5	Chrysene-d12	117341	14.004				
1520-96-3	Perylene-d12	137272	15.468				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	240	J			2.163	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2.6	A			5.075	

Report of Analysis

Client:		Date Collected:	7/13/2024 12:00:00 AM
Project:		Date Received:	7/13/2024 12:00:00 AM
Client Sample ID:	B-120-SB01	SDG No.:	BF072324
Lab Sample ID:	P3248-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138623.D	1	7/16/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	330	400	ug/Kg
110-86-1	Pyridine	96.4	U	96.4	160	210	ug/Kg
100-52-7	Benzaldehyde	220	U	220	330	400	ug/Kg
62-53-3	Aniline	120	U	120	160	210	ug/Kg
108-95-2	Phenol	100	U	100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	160	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	160	210	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	330	400	ug/Kg
95-48-7	2-Methylphenol	97.3	U	97.3	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	210	ug/Kg
98-86-2	Acetophenone	100	U	100	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	96.3	U	96.3	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	48.6	U	48.6	96.6	96.6	ug/Kg
67-72-1	Hexachloroethane	100	U	100	160	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	210	ug/Kg
78-59-1	Isophorone	100	U	100	160	210	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	100	U	100	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	91.1	U	91.1	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	100	U	100	160	210	ug/Kg
65-85-0	Benzoic acid	290	U	290	330	400	ug/Kg
91-20-3	Naphthalene	99.7	U	99.7	160	210	ug/Kg
106-47-8	4-Chloroaniline	99.7	U	99.7	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/13/2024 12:00:00 AM
Project:		Date Received:	7/13/2024 12:00:00 AM
Client Sample ID:	B-120-SB01	SDG No.:	BF072324
Lab Sample ID:	P3248-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.4
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
BF138623.D	1	7/16/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	100	U	100	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	93.5	U	93.5	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	99.6	U	99.6	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	86.2	U	86.2	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	89.3	U	89.3	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	160	210	ug/Kg
131-11-3	Dimethylphthalate	98.6	U	98.6	160	210	ug/Kg
208-96-8	Acenaphthylene	100	U	100	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	97.9	U	97.9	160	210	ug/Kg
Total PAH	Total PAH	1586.2	U	1586.2	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	290	330	400	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	400	ug/Kg
132-64-9	Dibenzofuran	100	U	100	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	200	U	200	160	420	ug/Kg
84-66-2	Diethylphthalate	96.7	U	96.7	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	160	210	ug/Kg
86-73-7	Fluorene	100	U	100	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	98.5	U	98.5	160	210	ug/Kg
103-33-3	Azobenzene	96.1	U	96.1	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	95.2	U	95.2	160	210	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	160	210	ug/Kg
1912-24-9	Atrazine	110	U	110	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/13/2024 12:00:00 AM
Project:		Date Received:	7/13/2024 12:00:00 AM
Client Sample ID:	B-120-SB01	SDG No.:	BF072324
Lab Sample ID:	P3248-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138623.D	1	7/16/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	93.3	U	93.3	330	400	ug/Kg
85-01-8	Phenanthrene	100	U	100	160	210	ug/Kg
120-12-7	Anthracene	100	U	100	160	210	ug/Kg
86-74-8	Carbazole	96.9	U	96.9	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	160	210	ug/Kg
206-44-0	Fluoranthene	98.6	U	98.6	160	210	ug/Kg
92-87-5	Benzidine	200	U	200	330	400	ug/Kg
129-00-0	Pyrene	100	U	100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	97.4	U	97.4	160	210	ug/Kg
218-01-9	Chrysene	96	U	96	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	97.9	U	97.9	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	99.7	U	99.7	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	94.3	U	94.3	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	98	U	98	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	96.7	U	96.7	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	160	210	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	90.2	U	90.2	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	95.283		18-112		64	SPK: -150
13127-88-3	Phenol-d6	98.293		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	62.226		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	63.375		20-109		63	SPK: -100

Report of Analysis

Client:		Date Collected:	7/13/2024 12:00:00 AM
Project:		Date Received:	7/13/2024 12:00:00 AM
Client Sample ID:	B-120-SB01	SDG No.:	BF072324
Lab Sample ID:	P3248-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138623.D	1	7/16/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	89.497		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	61.031		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	67816	6.851				
1146-65-2	Naphthalene-d8	276439	8.133				
15067-26-2	Acenaphthene-d10	150631	9.886				
1517-22-2	Phenanthrene-d10	240052	11.369				
1719-03-5	Chrysene-d12	113229	14.004				
1520-96-3	Perylene-d12	127868	15.468				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3800	J			2.163	
004254-15-3	(S)-(+)-1,2-Propanediol	210	J			3.387	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	A			5.075	
	unknown9.980	84.5	J			9.98	
000057-10-3	n-Hexadecanoic acid	86.9	J			11.892	
001599-67-3	1-Docosene	200	J			13.863	

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290	SDG No.:	BF072324
Lab Sample ID:	P3302-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.8
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
BF138624.D	1	7/19/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54.1	U	54.1	170	210	ug/Kg
110-86-1	Pyridine	49.8	U	49.8	81	110	ug/Kg
100-52-7	Benzaldehyde	110	U	110	170	210	ug/Kg
62-53-3	Aniline	60.4	U	60.4	81	110	ug/Kg
108-95-2	Phenol	51.6	U	51.6	81	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	52.1	U	52.1	81	110	ug/Kg
95-57-8	2-Chlorophenol	52	U	52	81	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	52.7	U	52.7	81	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	53.6	U	53.6	81	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	53.9	U	53.9	81	110	ug/Kg
100-51-6	Benzyl Alcohol	51.7	U	51.7	170	210	ug/Kg
95-48-7	2-Methylphenol	50.2	U	50.2	81	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	56.6	U	56.6	81	110	ug/Kg
98-86-2	Acetophenone	54.1	U	54.1	81	110	ug/Kg
65794-96-9	3+4-Methylphenols	49.7	U	49.7	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.1	U	25.1	49.8	49.8	ug/Kg
67-72-1	Hexachloroethane	51.7	U	51.7	81	110	ug/Kg
98-95-3	Nitrobenzene	56.6	U	56.6	81	110	ug/Kg
78-59-1	Isophorone	52.7	U	52.7	81	110	ug/Kg
88-75-5	2-Nitrophenol	58.9	U	58.9	81	110	ug/Kg
105-67-9	2,4-Dimethylphenol	58.1	U	58.1	81	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	53.4	U	53.4	81	110	ug/Kg
120-83-2	2,4-Dichlorophenol	47	U	47	81	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.2	U	53.2	81	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	51.5	U	51.5	81	110	ug/Kg
106-47-8	4-Chloroaniline	51.5	U	51.5	81	110	ug/Kg
87-68-3	Hexachlorobutadiene	51.9	U	51.9	81	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290	SDG No.:	BF072324
Lab Sample ID:	P3302-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.8
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
BF138624.D	1	7/19/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	54.1	U	54.1	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	48.3	U	48.3	81	110	ug/Kg
91-57-6	2-Methylnaphthalene	51.4	U	51.4	81	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	97.2	U	97.2	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	44.5	U	44.5	81	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46.1	U	46.1	81	110	ug/Kg
92-52-4	1,1-Biphenyl	54.4	U	54.4	81	110	ug/Kg
91-58-7	2-Chloronaphthalene	51.9	U	51.9	81	110	ug/Kg
88-74-4	2-Nitroaniline	59.2	U	59.2	81	110	ug/Kg
131-11-3	Dimethylphthalate	50.9	U	50.9	81	110	ug/Kg
208-96-8	Acenaphthylene	53.9	U	53.9	81	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	51.8	U	51.8	81	110	ug/Kg
99-09-2	3-Nitroaniline	55.6	U	55.6	81	110	ug/Kg
83-32-9	Acenaphthene	50.5	U	50.5	81	110	ug/Kg
Total PAH	Total PAH	825.6	U	825.6	81	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	72.3	U	72.3	170	210	ug/Kg
132-64-9	Dibenzofuran	52.6	U	52.6	81	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	105.5	U	105.5	81	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.7	U	53.7	81	110	ug/Kg
84-66-2	Diethylphthalate	49.9	U	49.9	81	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	53.3	U	53.3	81	110	ug/Kg
86-73-7	Fluorene	53.3	U	53.3	81	110	ug/Kg
100-01-6	4-Nitroaniline	66.7	U	66.7	81	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	72.9	U	72.9	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	50.8	U	50.8	81	110	ug/Kg
103-33-3	Azobenzene	49.6	U	49.6	81	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	49.2	U	49.2	81	110	ug/Kg
118-74-1	Hexachlorobenzene	53	U	53	81	110	ug/Kg
1912-24-9	Atrazine	56.9	U	56.9	81	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290	SDG No.:	BF072324
Lab Sample ID:	P3302-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.8
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
BF138624.D	1	7/19/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	48.2	U	48.2	170	210	ug/Kg
85-01-8	Phenanthrene	52.3	U	52.3	81	110	ug/Kg
120-12-7	Anthracene	52.6	U	52.6	81	110	ug/Kg
86-74-8	Carbazole	50	U	50	81	110	ug/Kg
84-74-2	Di-n-butylphthalate	52.5	U	52.5	81	110	ug/Kg
206-44-0	Fluoranthene	50.9	U	50.9	81	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	51.7	U	51.7	81	110	ug/Kg
85-68-7	Butylbenzylphthalate	60.9	J	60.3	81	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	61.4	U	61.4	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	50.3	U	50.3	81	110	ug/Kg
218-01-9	Chrysene	49.5	U	49.5	81	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	56.7	U	56.7	81	110	ug/Kg
117-84-0	Di-n-octyl phthalate	68.5	U	68.5	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	50.5	U	50.5	81	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	51.5	U	51.5	81	110	ug/Kg
50-32-8	Benzo(a)pyrene	57.9	U	57.9	81	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	48.7	U	48.7	81	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	50.6	U	50.6	81	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	49.9	U	49.9	81	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	54.1	U	54.1	81	110	ug/Kg
123-91-1	1,4-Dioxane	68.5	U	68.5	81	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.5	U	46.5	81	110	ug/Kg
90-12-0	1-Methylnaphthalene	51.8	U	51.8	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	98.132		18-112		65	SPK: -150
13127-88-3	Phenol-d6	101.737		15-107		68	SPK: -150
4165-60-0	Nitrobenzene-d5	66.074		18-107		66	SPK: -100
321-60-8	2-Fluorobiphenyl	68.523		20-109		69	SPK: -100

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290	SDG No.:	BF072324
Lab Sample ID:	P3302-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.8
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
BF138624.D	1	7/19/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	89.346		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	60.198		14-112		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	86221	6.851				
1146-65-2	Naphthalene-d8	354438	8.134				
15067-26-2	Acenaphthene-d10	186059	9.886				
1517-22-2	Phenanthrene-d10	265875	11.369				
1719-03-5	Chrysene-d12	142127	14.004				
1520-96-3	Perylene-d12	145354	15.468				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1500	J			2.169	
	unknown3.399	130	J			3.399	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	A			5.081	
000111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	64	J			6.681	
000770-35-4	1-Phenoxypropan-2-ol	120	J			8.445	
	unknown9.986	1300	J			9.986	
000057-10-3	n-Hexadecanoic acid	75.2	J			11.892	
1000406-04-8	Pentadecafluorooctanoic acid, octa	120	J			13.857	
000629-92-5	Nonadecane	53.8	J			15.11	
001560-98-1	Octacosane, 2-methyl-	83.3	J			15.915	

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290MS	SDG No.:	BF072324
Lab Sample ID:	P3302-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.8
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
BF138625.D	1	7/19/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		54.1	170	210	ug/Kg
110-86-1	Pyridine	990		49.8	81	110	ug/Kg
100-52-7	Benzaldehyde	150	J	110	170	210	ug/Kg
62-53-3	Aniline	570		60.4	81	110	ug/Kg
108-95-2	Phenol	1100		51.7	81	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		52.2	81	110	ug/Kg
95-57-8	2-Chlorophenol	1100		52	81	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		52.7	81	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		53.6	81	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		53.9	81	110	ug/Kg
100-51-6	Benzyl Alcohol	1200		51.7	170	210	ug/Kg
95-48-7	2-Methylphenol	1100		50.2	81	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		56.7	81	110	ug/Kg
98-86-2	Acetophenone	1000		54.2	81	110	ug/Kg
65794-96-9	3+4-Methylphenols	1100		49.7	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		25.1	49.9	49.9	ug/Kg
67-72-1	Hexachloroethane	1100		51.7	81	110	ug/Kg
98-95-3	Nitrobenzene	1100		56.6	81	110	ug/Kg
78-59-1	Isophorone	1100		52.7	81	110	ug/Kg
88-75-5	2-Nitrophenol	1100		58.9	81	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		58.1	81	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		53.5	81	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		47.1	81	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	990		53.2	81	110	ug/Kg
65-85-0	Benzoic acid	850		150	170	210	ug/Kg
91-20-3	Naphthalene	1000		51.5	81	110	ug/Kg
106-47-8	4-Chloroaniline	220		51.5	81	110	ug/Kg
87-68-3	Hexachlorobutadiene	940		51.9	81	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290MS	SDG No.:	BF072324
Lab Sample ID:	P3302-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.8
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138625.D	1	7/19/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	990		54.1	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		48.3	81	110	ug/Kg
91-57-6	2-Methylnaphthalene	1000		51.4	81	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2100	E	97.2	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		44.5	81	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	970		46.1	81	110	ug/Kg
92-52-4	1,1-Biphenyl	1000		54.5	81	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		51.9	81	110	ug/Kg
88-74-4	2-Nitroaniline	1100		59.2	81	110	ug/Kg
131-11-3	Dimethylphthalate	1100		50.9	81	110	ug/Kg
208-96-8	Acenaphthylene	1100		53.9	81	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		51.9	81	110	ug/Kg
99-09-2	3-Nitroaniline	580		55.6	81	110	ug/Kg
83-32-9	Acenaphthene	1100		50.6	81	110	ug/Kg
Total PAH	Total PAH	16010		826.1	81	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1600		150	170	210	ug/Kg
100-02-7	4-Nitrophenol	1700	E	72.3	170	210	ug/Kg
132-64-9	Dibenzofuran	1000		52.6	81	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2000		105.6	81	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		53.7	81	110	ug/Kg
84-66-2	Diethylphthalate	1100		49.9	81	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	980		53.4	81	110	ug/Kg
86-73-7	Fluorene	1000		53.3	81	110	ug/Kg
100-01-6	4-Nitroaniline	870		66.7	81	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		72.9	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		50.9	81	110	ug/Kg
103-33-3	Azobenzene	1100		49.6	81	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		49.2	81	110	ug/Kg
118-74-1	Hexachlorobenzene	1100		53	81	110	ug/Kg
1912-24-9	Atrazine	1100		57	81	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290MS	SDG No.:	BF072324
Lab Sample ID:	P3302-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.8
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138625.D	1	7/19/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1700	E	48.2	170	210	ug/Kg
85-01-8	Phenanthrene	1100		52.4	81	110	ug/Kg
120-12-7	Anthracene	1100		52.6	81	110	ug/Kg
86-74-8	Carbazole	970		50.1	81	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		52.5	81	110	ug/Kg
206-44-0	Fluoranthene	860		50.9	81	110	ug/Kg
92-87-5	Benzidine	660		100	170	210	ug/Kg
129-00-0	Pyrene	790		51.7	81	110	ug/Kg
85-68-7	Butylbenzylphthalate	1200		60.3	81	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	730		61.5	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	1100		50.3	81	110	ug/Kg
218-01-9	Chrysene	1100		49.6	81	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		56.7	81	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1700	E	68.6	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		50.6	81	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		51.5	81	110	ug/Kg
50-32-8	Benzo(a)pyrene	1200		58	81	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	690		48.7	81	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	680		50.6	81	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	590		49.9	81	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	980		54.1	81	110	ug/Kg
123-91-1	1,4-Dioxane	920		68.6	81	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	940		46.6	81	110	ug/Kg
90-12-0	1-Methylnaphthalene	960		51.9	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	108.846		18-112		73	SPK: -150
13127-88-3	Phenol-d6	112.591		15-107		75	SPK: -150
4165-60-0	Nitrobenzene-d5	74.087		18-107		74	SPK: -100
321-60-8	2-Fluorobiphenyl	75.194		20-109		75	SPK: -100



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

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290MS	SDG No.:	BF072324
Lab Sample ID:	P3302-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.8
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
BF138625.D	1	7/19/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	99.579		10-110		66	SPK: -150
1718-51-0	Terphenyl-d14	67.304		14-112		67	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	78868	6.851				
1146-65-2	Naphthalene-d8	318489	8.139				
15067-26-2	Acenaphthene-d10	167760	9.892				
1517-22-2	Phenanthrene-d10	234025	11.374				
1719-03-5	Chrysene-d12	128322	14.01				
1520-96-3	Perylene-d12	123413	15.468				

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290MSD	SDG No.:	BF072324
Lab Sample ID:	P3302-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.8
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138626.D	1	7/19/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		54.1	170	210	ug/Kg
110-86-1	Pyridine	1000		49.8	81	110	ug/Kg
100-52-7	Benzaldehyde	150	J	110	170	210	ug/Kg
62-53-3	Aniline	580		60.4	81	110	ug/Kg
108-95-2	Phenol	1100		51.7	81	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1200		52.2	81	110	ug/Kg
95-57-8	2-Chlorophenol	1200		52	81	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		52.7	81	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		53.6	81	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		53.9	81	110	ug/Kg
100-51-6	Benzyl Alcohol	1200		51.7	170	210	ug/Kg
95-48-7	2-Methylphenol	1100		50.2	81	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		56.6	81	110	ug/Kg
98-86-2	Acetophenone	1000		54.1	81	110	ug/Kg
65794-96-9	3+4-Methylphenols	1200		49.7	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1200		25.1	49.8	49.8	ug/Kg
67-72-1	Hexachloroethane	1100		51.7	81	110	ug/Kg
98-95-3	Nitrobenzene	1100		56.6	81	110	ug/Kg
78-59-1	Isophorone	1200		52.7	81	110	ug/Kg
88-75-5	2-Nitrophenol	1200		58.9	81	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		58.1	81	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1200		53.5	81	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		47	81	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		53.2	81	110	ug/Kg
65-85-0	Benzoic acid	890		150	170	210	ug/Kg
91-20-3	Naphthalene	1100		51.5	81	110	ug/Kg
106-47-8	4-Chloroaniline	230		51.5	81	110	ug/Kg
87-68-3	Hexachlorobutadiene	980		51.9	81	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290MSD	SDG No.:	BF072324
Lab Sample ID:	P3302-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.8
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138626.D	1	7/19/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1000		54.1	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		48.3	81	110	ug/Kg
91-57-6	2-Methylnaphthalene	1100		51.4	81	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2000	E	97.2	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		44.5	81	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		46.1	81	110	ug/Kg
92-52-4	1,1-Biphenyl	1100		54.5	81	110	ug/Kg
91-58-7	2-Chloronaphthalene	1100		51.9	81	110	ug/Kg
88-74-4	2-Nitroaniline	1200		59.2	81	110	ug/Kg
131-11-3	Dimethylphthalate	1200		50.9	81	110	ug/Kg
208-96-8	Acenaphthylene	1200		53.9	81	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		51.8	81	110	ug/Kg
99-09-2	3-Nitroaniline	620		55.6	81	110	ug/Kg
83-32-9	Acenaphthene	1100		50.5	81	110	ug/Kg
Total PAH	Total PAH	17020		825.6	81	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1600		150	170	210	ug/Kg
100-02-7	4-Nitrophenol	1700	E	72.3	170	210	ug/Kg
132-64-9	Dibenzofuran	1100		52.6	81	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		53.7	81	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2100		105.5	81	220	ug/Kg
84-66-2	Diethylphthalate	1100		49.9	81	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		53.3	81	110	ug/Kg
86-73-7	Fluorene	1000		53.3	81	110	ug/Kg
100-01-6	4-Nitroaniline	900		66.7	81	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		72.9	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		50.8	81	110	ug/Kg
103-33-3	Azobenzene	1100		49.6	81	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		49.2	81	110	ug/Kg
118-74-1	Hexachlorobenzene	1200		53	81	110	ug/Kg
1912-24-9	Atrazine	1100		56.9	81	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290MSD	SDG No.:	BF072324
Lab Sample ID:	P3302-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.8
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138626.D	1	7/19/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1800	E	48.2	170	210	ug/Kg
85-01-8	Phenanthrene	1200		52.3	81	110	ug/Kg
120-12-7	Anthracene	1200		52.6	81	110	ug/Kg
86-74-8	Carbazole	1000		50	81	110	ug/Kg
84-74-2	Di-n-butylphthalate	1300		52.5	81	110	ug/Kg
206-44-0	Fluoranthene	910		50.9	81	110	ug/Kg
92-87-5	Benzidine	730		100	170	210	ug/Kg
129-00-0	Pyrene	830		51.7	81	110	ug/Kg
85-68-7	Butylbenzylphthalate	1200		60.3	81	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	850		61.4	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	1200		50.3	81	110	ug/Kg
218-01-9	Chrysene	1100		49.5	81	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		56.7	81	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1800	E	68.5	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		50.5	81	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		51.5	81	110	ug/Kg
50-32-8	Benzo(a)pyrene	1300		57.9	81	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	760		48.7	81	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	750		50.6	81	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	670		49.9	81	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		54.1	81	110	ug/Kg
123-91-1	1,4-Dioxane	960		68.5	81	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	990		46.5	81	110	ug/Kg
90-12-0	1-Methylnaphthalene	1000		51.8	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	113.489		18-112		76	SPK: -150
13127-88-3	Phenol-d6	118.06		15-107		79	SPK: -150
4165-60-0	Nitrobenzene-d5	76.685		18-107		77	SPK: -100
321-60-8	2-Fluorobiphenyl	79.308		20-109		79	SPK: -100

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290MSD	SDG No.:	BF072324
Lab Sample ID:	P3302-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.8
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138626.D	1	7/19/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	102.403		10-110		68	SPK: -150
1718-51-0	Terphenyl-d14	71.233		14-112		71	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	76110	6.851				
1146-65-2	Naphthalene-d8	307390	8.139				
15067-26-2	Acenaphthene-d10	157764	9.892				
1517-22-2	Phenanthrene-d10	218173	11.374				
1719-03-5	Chrysene-d12	121691	14.01				
1520-96-3	Perylene-d12	111117	15.468				

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	VNJ206RE	SDG No.:	BF072324
Lab Sample ID:	P3314-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
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
BF138627.D	1	7/20/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	58.9	U	58.9	180	220	ug/Kg
110-86-1	Pyridine	54.2	U	54.2	88.2	120	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	65.7	U	65.7	88.2	120	ug/Kg
108-95-2	Phenol	56.2	U	56.2	88.2	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.8	U	56.8	88.2	120	ug/Kg
95-57-8	2-Chlorophenol	56.6	U	56.6	88.2	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.4	U	57.4	88.2	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.3	U	58.3	88.2	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.7	U	58.7	88.2	120	ug/Kg
100-51-6	Benzyl Alcohol	56.3	U	56.3	180	220	ug/Kg
95-48-7	2-Methylphenol	54.7	U	54.7	88.2	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	61.7	U	61.7	88.2	120	ug/Kg
98-86-2	Acetophenone	59	U	59	88.2	120	ug/Kg
65794-96-9	3+4-Methylphenols	54.1	U	54.1	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.3	U	27.3	54.3	54.3	ug/Kg
67-72-1	Hexachloroethane	56.3	U	56.3	88.2	120	ug/Kg
98-95-3	Nitrobenzene	61.6	U	61.6	88.2	120	ug/Kg
78-59-1	Isophorone	57.4	U	57.4	88.2	120	ug/Kg
88-75-5	2-Nitrophenol	64.1	U	64.1	88.2	120	ug/Kg
105-67-9	2,4-Dimethylphenol	63.2	U	63.2	88.2	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.2	U	58.2	88.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	51.2	U	51.2	88.2	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	57.9	U	57.9	88.2	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	56	U	56	88.2	120	ug/Kg
106-47-8	4-Chloroaniline	56	U	56	88.2	120	ug/Kg
87-68-3	Hexachlorobutadiene	56.5	U	56.5	88.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	VNJ206RE	SDG No.:	BF072324
Lab Sample ID:	P3314-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
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
BF138627.D	1	7/20/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	58.9	U	58.9	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.6	U	52.6	88.2	120	ug/Kg
91-57-6	2-Methylnaphthalene	56	U	56	88.2	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.4	U	48.4	88.2	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50.2	U	50.2	88.2	120	ug/Kg
92-52-4	1,1-Biphenyl	59.3	U	59.3	88.2	120	ug/Kg
91-58-7	2-Chloronaphthalene	56.5	U	56.5	88.2	120	ug/Kg
88-74-4	2-Nitroaniline	64.4	U	64.4	88.2	120	ug/Kg
131-11-3	Dimethylphthalate	55.4	U	55.4	88.2	120	ug/Kg
208-96-8	Acenaphthylene	58.7	U	58.7	88.2	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.4	U	56.4	88.2	120	ug/Kg
99-09-2	3-Nitroaniline	60.5	U	60.5	88.2	120	ug/Kg
83-32-9	Acenaphthene	55	U	55	88.2	120	ug/Kg
Total PAH	Total PAH	1012.7	U	898.8	88.2	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	78.7	U	78.7	180	220	ug/Kg
132-64-9	Dibenzofuran	57.3	U	57.3	88.2	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	14.9	U	114.9	88.2	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.5	U	58.5	88.2	120	ug/Kg
84-66-2	Diethylphthalate	54.3	U	54.3	88.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.1	U	58.1	88.2	120	ug/Kg
86-73-7	Fluorene	58	U	58	88.2	120	ug/Kg
100-01-6	4-Nitroaniline	72.6	U	72.6	88.2	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.4	U	79.4	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.4	U	55.4	88.2	120	ug/Kg
103-33-3	Azobenzene	54	U	54	88.2	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.5	U	53.5	88.2	120	ug/Kg
118-74-1	Hexachlorobenzene	57.7	U	57.7	88.2	120	ug/Kg
1912-24-9	Atrazine	62	U	62	88.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	VNJ206RE	SDG No.:	BF072324
Lab Sample ID:	P3314-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
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
BF138627.D	1	7/20/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	52.4	U	52.4	180	220	ug/Kg
85-01-8	Phenanthrene	98.6	J	57	88.2	120	ug/Kg
120-12-7	Anthracene	57.3	U	57.3	88.2	120	ug/Kg
86-74-8	Carbazole	54.5	U	54.5	88.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	57.2	U	57.2	88.2	120	ug/Kg
206-44-0	Fluoranthene	180		55.4	88.2	120	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	130		56.3	88.2	120	ug/Kg
85-68-7	Butylbenzylphthalate	65.7	U	65.7	88.2	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	66.9	U	66.9	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	120		54.7	88.2	120	ug/Kg
218-01-9	Chrysene	110	J	53.9	88.2	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61.7	U	61.7	88.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	74.6	U	74.6	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	180		55	88.2	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	74.1	J	56	88.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	120		63.1	88.2	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	53	U	53	88.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55.1	U	55.1	88.2	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	54.3	U	54.3	88.2	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.9	U	58.9	88.2	120	ug/Kg
123-91-1	1,4-Dioxane	74.6	U	74.6	88.2	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.7	U	50.7	88.2	120	ug/Kg
90-12-0	1-Methylnaphthalene	56.4	U	56.4	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.382		18-112		59	SPK: -150
13127-88-3	Phenol-d6	91.586		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	60.724		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	62.923		20-109		63	SPK: -100

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	VNJ206RE	SDG No.:	BF072324
Lab Sample ID:	P3314-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
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
BF138627.D	1	7/20/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	77.004		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	53.144		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75798	6.851				
1146-65-2	Naphthalene-d8	305464	8.134				
15067-26-2	Acenaphthene-d10	154485	9.886				
1517-22-2	Phenanthrene-d10	204842	11.369				
1719-03-5	Chrysene-d12	128328	14.004				
1520-96-3	Perylene-d12	109610	15.468				

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	VNJ206MS	SDG No.:	BF072324
Lab Sample ID:	P3314-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
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
BF138628.D	1	7/20/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		58.9	180	220	ug/Kg
110-86-1	Pyridine	950		54.2	88.2	120	ug/Kg
100-52-7	Benzaldehyde	140	J	120	180	220	ug/Kg
62-53-3	Aniline	880		65.8	88.2	120	ug/Kg
108-95-2	Phenol	1100		56.3	88.2	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		56.8	88.2	120	ug/Kg
95-57-8	2-Chlorophenol	1100		56.7	88.2	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		57.4	88.2	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		58.4	88.2	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		58.7	88.2	120	ug/Kg
100-51-6	Benzyl Alcohol	1100		56.3	180	220	ug/Kg
95-48-7	2-Methylphenol	1100		54.7	88.2	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	980		61.7	88.2	120	ug/Kg
98-86-2	Acetophenone	1000		59	88.2	120	ug/Kg
65794-96-9	3+4-Methylphenols	1100		54.2	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		27.4	54.3	54.3	ug/Kg
67-72-1	Hexachloroethane	1000		56.3	88.2	120	ug/Kg
98-95-3	Nitrobenzene	1100		61.6	88.2	120	ug/Kg
78-59-1	Isophorone	1100		57.4	88.2	120	ug/Kg
88-75-5	2-Nitrophenol	1100		64.1	88.2	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		63.3	88.2	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		58.2	88.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		51.2	88.2	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	990		58	88.2	120	ug/Kg
65-85-0	Benzoic acid	840		160	180	220	ug/Kg
91-20-3	Naphthalene	1100		56.1	88.2	120	ug/Kg
106-47-8	4-Chloroaniline	510		56.1	88.2	120	ug/Kg
87-68-3	Hexachlorobutadiene	960		56.5	88.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	VNJ206MS	SDG No.:	BF072324
Lab Sample ID:	P3314-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
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
BF138628.D	1	7/20/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	990		58.9	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		52.6	88.2	120	ug/Kg
91-57-6	2-Methylnaphthalene	1000		56	88.2	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1700		110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		48.5	88.2	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		50.2	88.2	120	ug/Kg
92-52-4	1,1-Biphenyl	1000		59.3	88.2	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		56.5	88.2	120	ug/Kg
88-74-4	2-Nitroaniline	1200		64.5	88.2	120	ug/Kg
131-11-3	Dimethylphthalate	1100		55.4	88.2	120	ug/Kg
208-96-8	Acenaphthylene	1200		58.7	88.2	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		56.5	88.2	120	ug/Kg
99-09-2	3-Nitroaniline	790		60.5	88.2	120	ug/Kg
83-32-9	Acenaphthene	1100		55	88.2	120	ug/Kg
Total PAH	Total PAH	17620		899.3	88.2	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1500		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	1600		78.7	180	220	ug/Kg
132-64-9	Dibenzofuran	1100		57.3	88.2	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		58.5	88.2	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2100		115	88.2	240	ug/Kg
84-66-2	Diethylphthalate	1100		54.4	88.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		58.1	88.2	120	ug/Kg
86-73-7	Fluorene	1000		58	88.2	120	ug/Kg
100-01-6	4-Nitroaniline	880		72.6	88.2	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		79.4	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		55.4	88.2	120	ug/Kg
103-33-3	Azobenzene	1100		54	88.2	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		53.5	88.2	120	ug/Kg
118-74-1	Hexachlorobenzene	1200		57.7	88.2	120	ug/Kg
1912-24-9	Atrazine	1100		62	88.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	VNJ206MS	SDG No.:	BF072324
Lab Sample ID:	P3314-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
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
BF138628.D	1	7/20/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1800		52.5	180	220	ug/Kg
85-01-8	Phenanthrene	1200		57	88.2	120	ug/Kg
120-12-7	Anthracene	1200		57.3	88.2	120	ug/Kg
86-74-8	Carbazole	1000		54.5	88.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	1200		57.2	88.2	120	ug/Kg
206-44-0	Fluoranthene	1100		55.4	88.2	120	ug/Kg
92-87-5	Benzidine	900		110	180	220	ug/Kg
129-00-0	Pyrene	870		56.3	88.2	120	ug/Kg
85-68-7	Butylbenzylphthalate	1100		65.7	88.2	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		66.9	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1200		54.8	88.2	120	ug/Kg
218-01-9	Chrysene	1200		54	88.2	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		61.8	88.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		74.7	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		55	88.2	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		56.1	88.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1300		63.1	88.2	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	830		53	88.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	790		55.1	88.2	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	730		54.4	88.2	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		58.9	88.2	120	ug/Kg
123-91-1	1,4-Dioxane	880		74.7	88.2	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	950		50.7	88.2	120	ug/Kg
90-12-0	1-Methylnaphthalene	960		56.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	79.842		18-112		53	SPK: -150
13127-88-3	Phenol-d6	81.806		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	55.553		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	57.3		20-109		57	SPK: -100



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

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	VNJ206MS	SDG No.:	BF072324
Lab Sample ID:	P3314-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
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
BF138628.D	1	7/20/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	72.422		10-110		48	SPK: -150
1718-51-0	Terphenyl-d14	49.883		14-112		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	92015	6.851				
1146-65-2	Naphthalene-d8	358973	8.139				
15067-26-2	Acenaphthene-d10	179804	9.892				
1517-22-2	Phenanthrene-d10	240583	11.374				
1719-03-5	Chrysene-d12	147737	14.015				
1520-96-3	Perylene-d12	124454	15.474				

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	VNJ206MSD	SDG No.:	BF072324
Lab Sample ID:	P3314-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
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
BF138629.D	1	7/20/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		58.9	180	220	ug/Kg
110-86-1	Pyridine	940		54.2	88.2	120	ug/Kg
100-52-7	Benzaldehyde	130	J	120	180	220	ug/Kg
62-53-3	Aniline	880		65.8	88.2	120	ug/Kg
108-95-2	Phenol	1100		56.3	88.2	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		56.8	88.2	120	ug/Kg
95-57-8	2-Chlorophenol	1100		56.7	88.2	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		57.4	88.2	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	990		58.4	88.2	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		58.7	88.2	120	ug/Kg
100-51-6	Benzyl Alcohol	1100		56.3	180	220	ug/Kg
95-48-7	2-Methylphenol	1100		54.7	88.2	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	970		61.7	88.2	120	ug/Kg
98-86-2	Acetophenone	980		59	88.2	120	ug/Kg
65794-96-9	3+4-Methylphenols	1100		54.2	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		27.4	54.3	54.3	ug/Kg
67-72-1	Hexachloroethane	1000		56.3	88.2	120	ug/Kg
98-95-3	Nitrobenzene	1000		61.6	88.2	120	ug/Kg
78-59-1	Isophorone	1100		57.4	88.2	120	ug/Kg
88-75-5	2-Nitrophenol	1100		64.1	88.2	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		63.3	88.2	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		58.2	88.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		51.3	88.2	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	970		58	88.2	120	ug/Kg
65-85-0	Benzoic acid	830		160	180	220	ug/Kg
91-20-3	Naphthalene	1000		56.1	88.2	120	ug/Kg
106-47-8	4-Chloroaniline	520		56.1	88.2	120	ug/Kg
87-68-3	Hexachlorobutadiene	930		56.5	88.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	VNJ206MSD	SDG No.:	BF072324
Lab Sample ID:	P3314-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
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
BF138629.D	1	7/20/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	960		58.9	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		52.6	88.2	120	ug/Kg
91-57-6	2-Methylnaphthalene	990		56	88.2	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1600		110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		48.5	88.2	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		50.2	88.2	120	ug/Kg
92-52-4	1,1-Biphenyl	1000		59.3	88.2	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		56.5	88.2	120	ug/Kg
88-74-4	2-Nitroaniline	1200		64.5	88.2	120	ug/Kg
131-11-3	Dimethylphthalate	1100		55.5	88.2	120	ug/Kg
208-96-8	Acenaphthylene	1200		58.7	88.2	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		56.5	88.2	120	ug/Kg
99-09-2	3-Nitroaniline	800		60.6	88.2	120	ug/Kg
83-32-9	Acenaphthene	1100		55.1	88.2	120	ug/Kg
Total PAH	Total PAH	17430		899.6	88.2	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1400		160	180	220	ug/Kg
100-02-7	4-Nitrophenol	1600		78.7	180	220	ug/Kg
132-64-9	Dibenzofuran	1100		57.3	88.2	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2100		115	88.2	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		58.5	88.2	120	ug/Kg
84-66-2	Diethylphthalate	1100		54.4	88.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		58.1	88.2	120	ug/Kg
86-73-7	Fluorene	1000		58	88.2	120	ug/Kg
100-01-6	4-Nitroaniline	850		72.6	88.2	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		79.4	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		55.4	88.2	120	ug/Kg
103-33-3	Azobenzene	1100		54	88.2	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		53.6	88.2	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		57.7	88.2	120	ug/Kg
1912-24-9	Atrazine	1100		62	88.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	VNJ206MSD	SDG No.:	BF072324
Lab Sample ID:	P3314-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
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
BF138629.D	1	7/20/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1700		52.5	180	220	ug/Kg
85-01-8	Phenanthrene	1200		57	88.2	120	ug/Kg
120-12-7	Anthracene	1100		57.3	88.2	120	ug/Kg
86-74-8	Carbazole	1000		54.5	88.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	1200		57.2	88.2	120	ug/Kg
206-44-0	Fluoranthene	1100		55.5	88.2	120	ug/Kg
92-87-5	Benzidine	910		110	180	220	ug/Kg
129-00-0	Pyrene	850		56.3	88.2	120	ug/Kg
85-68-7	Butylbenzylphthalate	1100		65.7	88.2	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		66.9	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1200		54.8	88.2	120	ug/Kg
218-01-9	Chrysene	1200		54	88.2	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		61.8	88.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		74.7	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		55.1	88.2	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1300		56.1	88.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1300		63.1	88.2	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	840		53	88.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	790		55.1	88.2	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	750		54.4	88.2	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		58.9	88.2	120	ug/Kg
123-91-1	1,4-Dioxane	890		74.7	88.2	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	950		50.7	88.2	120	ug/Kg
90-12-0	1-Methylnaphthalene	940		56.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	79.486		18-112		53	SPK: -150
13127-88-3	Phenol-d6	80.2		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	53.956		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	57.806		20-109		58	SPK: -100



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

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	VNJ206MSD	SDG No.:	BF072324
Lab Sample ID:	P3314-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
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
BF138629.D	1	7/20/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	71.277		10-110		48	SPK: -150
1718-51-0	Terphenyl-d14	48.352		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	90294	6.851				
1146-65-2	Naphthalene-d8	354478	8.14				
15067-26-2	Acenaphthene-d10	172809	9.892				
1517-22-2	Phenanthrene-d10	234304	11.375				
1719-03-5	Chrysene-d12	147778	14.016				
1520-96-3	Perylene-d12	121596	15.474				



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Hit Summary Sheet SW-846

SDG No.: BF072324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-120-SB01								
P3248-01	B-120-SB01	Solid	(S)-(+)-1,2-Propanediol	*	210.000	J		
P3248-01	B-120-SB01	Solid	1-Docosene	*	200.000	J		
P3248-01	B-120-SB01	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	230.000	A		
P3248-01	B-120-SB01	Solid	Butane, 2-methoxy-2-methyl-	*	3,800.000	J		
P3248-01	B-120-SB01	Solid	n-Hexadecanoic acid	*	86.900	J		
P3248-01	B-120-SB01	Solid	unknown9.980	*	84.500	J		
Total Tics :					4,611.40			
Total Concentration:					4,611.40			
Client ID : IDW-T1-01								
P3282-04	IDW-T1-01	Water	1,3-Dioxolane, 2,2,4-trimethyl-	*	19.100	J		
P3282-04	IDW-T1-01	Water	1-Octadecanol	*	6.500	J		
P3282-04	IDW-T1-01	Water	1-Phenoxypropan-2-ol	*	5.100	J		
P3282-04	IDW-T1-01	Water	2-Pentanone, 4-hydroxy-4-methyl	*	4.200	A		
P3282-04	IDW-T1-01	Water	Butane, 2-methoxy-2-methyl-	*	270.000	J		
P3282-04	IDW-T1-01	Water	Ethanol, 2-(2-ethoxyethoxy)-	*	3.300	J		
P3282-04	IDW-T1-01	Water	n-Hexadecanoic acid	*	5.900	J		
P3282-04	IDW-T1-01	Water	unknown12.463	*	2.600	J		
P3282-04	IDW-T1-01	Water	unknown12.704	*	4.200	J		
P3282-04	IDW-T1-01	Water	unknown9.981	*	3.400	J		
Total Tics :					324.30			
P3282-04	IDW-T1-01	Water	Benzoic acid		9.400	J 5.5	10	ug/L
P3282-04	IDW-T1-01	Water	Benzyl Alcohol		70.800	1.6	10	ug/L
Total Svoc :					80.20			
Total Concentration:					404.50			
Client ID : SP-303-20240717								
P3299-03	SP-303-20240717	Water	2-Pentanone, 4-hydroxy-4-methyl	*	2.600	A		
P3299-03	SP-303-20240717	Water	Butane, 2-methoxy-2-methyl-	*	240.000	J		
Total Tics :					242.60			
Total Concentration:					242.60			
Client ID : 285-290								
P3302-01	285-290	Solid	1-Phenoxypropan-2-ol	*	120.000	J		
P3302-01	285-290	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	130.000	A		
P3302-01	285-290	Solid	Butane, 2-methoxy-2-methyl-	*	1,500.000	J		
P3302-01	285-290	Solid	Ethanol, 2-(2-ethoxyethoxy)-	*	64.000	J		
P3302-01	285-290	Solid	n-Hexadecanoic acid	*	75.200	J		
P3302-01	285-290	Solid	Nonadecane	*	53.800	J		

Hit Summary Sheet SW-846

SDG No.: BF072324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3302-01	285-290	Solid	Octacosane, 2-methyl-	*	83.300	J		
P3302-01	285-290	Solid	Pentadecafluorooctanoic acid, oct:	*	120.000	J		
P3302-01	285-290	Solid	unknown3.399	*	130.000	J		
P3302-01	285-290	Solid	unknown9.986	*	1,300.000	J		
			Total Tics :		3,576.30			
P3302-01	285-290	Solid	Butylbenzylphthalate		60.900	J 60.3	110	ug/Kg
			Total Svoc :		60.90			
			Total Concentration:		3,637.20			
Client ID : 285-290								
P3302-03	285-290	water	Benzidine		170.000	40.7	100	ug/L
			Total Svoc :		170.00			
			Total Concentration:		170.00			
Client ID : VNJ206RE								
P3314-01RE	VNJ206RE	Solid	Benzo(a)anthracene		120.000	54.7	120	ug/Kg
P3314-01RE	VNJ206RE	Solid	Benzo(a)pyrene		120.000	63.1	120	ug/Kg
P3314-01RE	VNJ206RE	Solid	Benzo(b)fluoranthene		180.000	55	120	ug/Kg
P3314-01RE	VNJ206RE	Solid	Benzo(k)fluoranthene		74.100	J 56	120	ug/Kg
P3314-01RE	VNJ206RE	Solid	Chrysene		110.000	J 53.9	120	ug/Kg
P3314-01RE	VNJ206RE	Solid	Fluoranthene		180.000	55.4	120	ug/Kg
P3314-01RE	VNJ206RE	Solid	Phenanthrene		98.600	J 57	120	ug/Kg
P3314-01RE	VNJ206RE	Solid	Pyrene		130.000	56.3	120	ug/Kg
			Total Svoc :		1,012.70			
			Total Concentration:		1,012.70			



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



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF072324 SAS No.: BF072324 SDG NO.: BF072324

EPA Sample No.: SSTDICCC040

Date Analyzed: Jul 23 2024 12:00AM

Lab File ID: BF138486.D

Time Analyzed: 10:56

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	82784	6.85	349515	8.13	192477	9.89
02	PB162188BS	91789	6.86	376167	8.14	202787	9.89
03	PB162154BL	82123	6.85	335533	8.13	185994	9.89
04	PB162154BS	91387	6.86	373439	8.14	200548	9.89
05	PB162154BSD	89108	6.85	362675	8.13	196145	9.89
06	PB162142BL	78531	6.85	322119	8.13	177237	9.89
07	PB162142BS	90264	6.86	366629	8.14	195838	9.89
08	PB162084BS	86746	6.85	357957	8.13	189830	9.89
09	285-290	74870	6.85	304000	8.13	166656	9.89
10	285-290MS	76825	6.86	312912	8.13	168716	9.89
11	285-290MSD	75853	6.86	316790	8.13	169643	9.89
12	IDW-T1-01	74807	6.85	312420	8.13	167652	9.89
13	SP-303-20240717	73962	6.85	306137	8.13	167304	9.89
14	B-120-SB01	67816	6.85	276439	8.13	150631	9.89
15	285-290	86221	6.85	354438	8.13	186059	9.89
16	285-290MS	78868	6.85	318489	8.14	167760	9.89
17	285-290MSD	76110	6.85	307390	8.14	157764	9.89
18	VNJ206RE	75798	6.85	305464	8.13	154485	9.89
19	VNJ206MS	92015	6.85	358973	8.14	179804	9.89
20	VNJ206MSD	90294	6.85	354478	8.14	172809	9.89



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF072324 SAS No.: BF072324 SDG NO.: BF072324

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 23 2024 12:00AM

Lab File ID: BF138486.D Time Analyzed: 20:38

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

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

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF072324 SAS No.: BF072324 SDG NO.: BF072324

EPA Sample No.: SSTDCCC040 Date Analyzed: Jul 23 2024 12:00AM

Lab File ID: BF138609.D Time Analyzed: 10:56

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	90059	6.857	354562	8.14	185647	9.89
	UPPER LIMIT	180118	7.357	709124	8.639	371294	10.392
	LOWER LIMIT	45029.5	6.357	177281	7.639	92823.5	9.392
	EPA SAMPLE NO.						
01	PB162188BL	82784	6.85	349515	8.13	192477	9.89
02	PB162188BS	91789	6.86	376167	8.14	202787	9.89
03	PB162154BL	82123	6.85	335533	8.13	185994	9.89
04	PB162154BS	91387	6.86	373439	8.14	200548	9.89
05	PB162154BSD	89108	6.85	362675	8.13	196145	9.89
06	PB162142BL	78531	6.85	322119	8.13	177237	9.89
07	PB162142BS	90264	6.86	366629	8.14	195838	9.89
08	PB162084BS	86746	6.85	357957	8.13	189830	9.89
09	285-290	74870	6.85	304000	8.13	166656	9.89
10	285-290MS	76825	6.86	312912	8.13	168716	9.89
11	285-290MSD	75853	6.86	316790	8.13	169643	9.89
12	IDW-T1-01	74807	6.85	312420	8.13	167652	9.89
13	SP-303-20240717	73962	6.85	306137	8.13	167304	9.89
14	B-120-SB01	67816	6.85	276439	8.13	150631	9.89
15	285-290	86221	6.85	354438	8.13	186059	9.89
16	285-290MS	78868	6.85	318489	8.14	167760	9.89
17	285-290MSD	76110	6.85	307390	8.14	157764	9.89
18	VNJ206RE	75798	6.85	305464	8.13	154485	9.89
19	VNJ206MS	92015	6.85	358973	8.14	179804	9.89
20	VNJ206MSD	90294	6.85	354478	8.14	172809	9.89



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF072324 SAS No.: BF072324 SDG NO.: BF072324

EPA Sample No.: SSTDCCC040 Date Analyzed: Jul 23 2024 12:00AM

Lab File ID: BF138609.D Time Analyzed: 20:38

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	90059	6.857	354562	8.14	185647	9.89
UPPER LIMIT	180118	7.357	709124	8.639	371294	10.392
LOWER LIMIT	45029.5	6.357	177281	7.639	92823.5	9.392
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF072324 SAS No.: BF072324 SDG NO.: BF072324

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 23 2024 12:00AM

Lab File ID: BF138486.D Time Analyzed: 10:56

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	331090	11.37	181089	14.01	152102	15.47
02	PB162188BS	340177	11.38	166767	14.02	161601	15.47
03	PB162154BL	318836	11.38	157987	14.01	139993	15.47
04	PB162154BS	338830	11.38	166701	14.02	159541	15.47
05	PB162154BSD	325879	11.38	155298	14.02	157089	15.47
06	PB162142BL	308800	11.38	145501	14.01	137557	15.47
07	PB162142BS	325105	11.37	155517	14.02	153294	15.47
08	PB162084BS	320457	11.38	157674	14.02	158633	15.47
09	285-290	262396	11.38	118795	14.01	137361	15.47
10	285-290MS	259776	11.38	114661	14.01	147152	15.47
11	285-290MSD	263718	11.37	122216	14.01	150368	15.47
12	IDW-T1-01	250026	11.37	122770	14.00	135027	15.47
13	SP-303-20240717	262859	11.37	117341	14.00	137272	15.47
14	B-120-SB01	240052	11.37	113229	14.00	127868	15.47
15	285-290	265875	11.37	142127	14.00	145354	15.47
16	285-290MS	234025	11.37	128322	14.01	123413	15.47
17	285-290MSD	218173	11.37	121691	14.01	111117	15.47
18	VNJ206RE	204842	11.37	128328	14.00	109610	15.47
19	VNJ206MS	240583	11.37	147737	14.02	124454	15.47
20	VNJ206MSD	234304	11.38	147778	14.02	121596	15.47

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF072324 SAS No.: BF072324 SDG NO.: BF072324

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 23 2024 12:00AM

Lab File ID: BF138486.D Time Analyzed: 20:38

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.						

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.: BF072324 SAS No.: BF072324 SDG NO.: BF072324

EPA Sample No.: SSTDCCC040 Date Analyzed: Jul 23 2024 12:00AM

Lab File ID: BF138609.D Time Analyzed: 10:56

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	305771	11.374	142865	14.015	139932	15.474
	UPPER LIMIT	611542	11.874	285730	14.515	279864	15.974
	LOWER LIMIT	152885.5	10.874	71432.5	13.515	69966	14.974
	EPA SAMPLE NO.						
01	PB162188BL	331090	11.37	181089	14.01	152102	15.47
02	PB162188BS	340177	11.38	166767	14.02	161601	15.47
03	PB162154BL	318836	11.38	157987	14.01	139993	15.47
04	PB162154BS	338830	11.38	166701	14.02	159541	15.47
05	PB162154BSD	325879	11.38	155298	14.02	157089	15.47
06	PB162142BL	308800	11.38	145501	14.01	137557	15.47
07	PB162142BS	325105	11.37	155517	14.02	153294	15.47
08	PB162084BS	320457	11.38	157674	14.02	158633	15.47
09	285-290	262396	11.38	118795	14.01	137361	15.47
10	285-290MS	259776	11.38	114661	14.01	147152	15.47
11	285-290MSD	263718	11.37	122216	14.01	150368	15.47
12	IDW-T1-01	250026	11.37	122770	14.00	135027	15.47
13	SP-303-20240717	262859	11.37	117341	14.00	137272	15.47
14	B-120-SB01	240052	11.37	113229	14.00	127868	15.47
15	285-290	265875	11.37	142127	14.00	145354	15.47
16	285-290MS	234025	11.37	128322	14.01	123413	15.47
17	285-290MSD	218173	11.37	121691	14.01	111117	15.47
18	VNJ206RE	204842	11.37	128328	14.00	109610	15.47
19	VNJ206MS	240583	11.37	147737	14.02	124454	15.47
20	VNJ206MSD	234304	11.38	147778	14.02	121596	15.47

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF072324 SAS No.: BF072324 SDG NO.: BF072324

EPA Sample No.: SSTDCCC040 Date Analyzed: Jul 23 2024 12:00AM

Lab File ID: BF138609.D Time Analyzed: 20:38

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	305771	11.374	142865	14.015	139932	15.474
UPPER LIMIT	611542	11.874	285730	14.515	279864	15.974
LOWER LIMIT	152885.5	10.874	71432.5	13.515	69966	14.974
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF072324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162084BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1300	ug/Kg	76				28	98	
	Benzaldehyde	1700	200	ug/Kg	12				10	147	
	Aniline	1700	1100	ug/Kg	65				38	100	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102	
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99	
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				67	119	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1200	ug/Kg	71				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	630	ug/Kg	37				16	100	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	3900	ug/Kg	118				45	134	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	940	ug/Kg	55				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	24400	ug/Kg	90				57	104	
	2,4-Dinitrophenol	3300	2600	ug/Kg	79				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF072324**

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162084BS	4-Nitrophenol	3300	2700	ug/Kg	82				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene/2,6-Dinitrotc	3400	3000	ug/Kg	88				60	106	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				56	107	
	Azobenzene	1700	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1400	ug/Kg	82				67	113	
	Pentachlorophenol	3300	2600	ug/Kg	79				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	1100	ug/Kg	33				10	98	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				63	111	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF072324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162142BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1300	ug/Kg	76				28	98	
	Benzaldehyde	1700	200	ug/Kg	12				10	147	
	Aniline	1700	1100	ug/Kg	65				38	100	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102	
	1,3-Dichlorobenzene	1700	1400	ug/Kg	82				52	99	
	1,4-Dichlorobenzene	1700	1400	ug/Kg	82				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				67	119	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1100	ug/Kg	65				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	630	ug/Kg	37				16	100	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3900	ug/Kg	118				45	134	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	900	ug/Kg	53				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	24600	ug/Kg	90				57	104	
	2,4-Dinitrophenol	3300	2500	ug/Kg	76				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF072324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162142BS	4-Nitrophenol	3300	2600	ug/Kg	79				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene/2,6-Dinitrotc	3400	3000	ug/Kg	88				60	106	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				56	107	
	Azobenzene	1700	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1400	ug/Kg	82				67	113	
	Pentachlorophenol	3300	2500	ug/Kg	76				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	1100	ug/Kg	33				10	98	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				63	111	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1300	ug/Kg	76				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF072324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD	
								Qual	Low	High		
PB162154BS	n-Nitrosodimethylamine	50	45.4	ug/L	91					55	108	
	Pyridine	50	40.2	ug/L	80					29	97	
	Benzaldehyde	50	6.1	ug/L	12		*			15	121	
	Aniline	50	33.3	ug/L	67					10	130	
	Phenol	50	46.1	ug/L	92					66	118	
	bis(2-Chloroethyl)ether	50	47.2	ug/L	94					62	103	
	2-Chlorophenol	50	47.8	ug/L	96					70	117	
	1,2-Dichlorobenzene	50	45.1	ug/L	90					72	102	
	1,3-Dichlorobenzene	50	43.6	ug/L	87					71	103	
	1,4-Dichlorobenzene	50	43.9	ug/L	88					76	103	
	Benzyl Alcohol	50	48	ug/L	96		*			36	93	
	2-Methylphenol	50	47.3	ug/L	95					69	109	
	2,2-oxybis(1-Chloropropane)	50	43.8	ug/L	88					52	103	
	Acetophenone	50	42	ug/L	84					60	104	
	3+4-Methylphenols	50	46.7	ug/L	93					67	106	
	N-Nitroso-di-n-propylamine	50	47.2	ug/L	94					57	107	
	Hexachloroethane	50	45.3	ug/L	91					76	118	
	Nitrobenzene	50	43.8	ug/L	88					58	106	
	Isophorone	50	46.2	ug/L	92					61	102	
	2-Nitrophenol	50	47.4	ug/L	95					70	115	
	2,4-Dimethylphenol	50	49.7	ug/L	99					67	130	
	bis(2-Chloroethoxy)methane	50	45.7	ug/L	91					58	109	
	2,4-Dichlorophenol	50	44	ug/L	88					66	115	
	1,2,4-Trichlorobenzene	50	41.7	ug/L	83					41	115	
	Benzoic acid	50	34.9	ug/L	70					10	125	
	Naphthalene	50	44.2	ug/L	88					64	107	
	4-Chloroaniline	50	20.4	ug/L	41					10	85	
	Hexachlorobutadiene	50	39.7	ug/L	79					69	101	
	Caprolactam	50	41.9	ug/L	84					58	128	
	4-Chloro-3-methylphenol	50	45	ug/L	90					65	114	
	2-Methylnaphthalene	50	43.6	ug/L	87					64	107	
	Hexachlorocyclopentadiene	100	120	ug/L	120					36	160	
	2,4,6-Trichlorophenol	50	43.8	ug/L	88					61	110	
	2,4,5-Trichlorophenol	50	41.2	ug/L	82					70	106	
	1,1-Biphenyl	50	41.4	ug/L	83					72	98	
	2-Chloronaphthalene	50	43.4	ug/L	87					59	106	
	2-Nitroaniline	50	46.4	ug/L	93					58	107	
	Dimethylphthalate	50	45.3	ug/L	91					64	103	
	Acenaphthylene	50	48.1	ug/L	96					65	108	
	2,6-Dinitrotoluene	50	43.9	ug/L	88					64	110	
	3-Nitroaniline	50	28.1	ug/L	56					28	100	
	Acenaphthene	50	45.3	ug/L	91					59	113	
	Total PAH	800	734.2	ug/L	92					59	113	
	2,4-Dinitrophenol	100	75.1	ug/L	75					64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF072324**

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162154BS	4-Nitrophenol	100	82.4	ug/L	82				68	116	
	Dibenzofuran	50	44.7	ug/L	89				65	106	
	2,4-Dinitrotoluene/2,6-Dinitrotrc	100	88.6	ug/L	89				60	115	
	2,4-Dinitrotoluene	50	44.7	ug/L	89				60	115	
	Diethylphthalate	50	44	ug/L	88				63	105	
	4-Chlorophenyl-phenylether	50	41.9	ug/L	84				61	104	
	Fluorene	50	44.4	ug/L	89				64	107	
	4-Nitroaniline	50	42.3	ug/L	85				69	112	
	4,6-Dinitro-2-methylphenol	50	48.1	ug/L	96				62	132	
	N-Nitrosodiphenylamine	50	46.4	ug/L	93				61	109	
	Azobenzene	50	45.7	ug/L	91				59	106	
	4-Bromophenyl-phenylether	50	44.4	ug/L	89				73	103	
	Hexachlorobenzene	50	44.4	ug/L	89				73	106	
	Atrazine	50	42.4	ug/L	85				76	120	
	Pentachlorophenol	100	75.7	ug/L	76				47	114	
	Phenanthrene	50	45.7	ug/L	91				62	109	
	Anthracene	50	47.1	ug/L	94				65	110	
	Carbazole	50	44.9	ug/L	90				62	106	
	Di-n-butylphthalate	50	46.5	ug/L	93				64	106	
	Fluoranthene	50	43.6	ug/L	87				64	110	
	Benzidine	100	32.7	ug/L	33				10	94	
	Pyrene	50	45.1	ug/L	90				71	103	
	Butylbenzylphthalate	50	52.6	ug/L	105				61	105	
	3,3-Dichlorobenzidine	50	31.7	ug/L	63				43	108	
	Benzo(a)anthracene	50	47.4	ug/L	95				62	107	
	Chrysene	50	45.2	ug/L	90				61	108	
	bis(2-Ethylhexyl)phthalate	50	55.7	ug/L	111		*		59	110	
	Di-n-octyl phthalate	50	47	ug/L	94				67	126	
	Benzo(b)fluoranthene	50	45.2	ug/L	90				77	113	
	Benzo(k)fluoranthene	50	45.9	ug/L	92				64	113	
	Benzo(a)pyrene	50	48.6	ug/L	97				72	131	
	Indeno(1,2,3-cd)pyrene	50	48.3	ug/L	97				72	105	
	Dibenz(a,h)anthracene	50	46.3	ug/L	93				78	115	
	Benzo(g,h,i)perylene	50	43.8	ug/L	88				75	118	
	1,2,4,5-Tetrachlorobenzene	50	39.9	ug/L	80				72	101	
	1,4-Dioxane	50	36.9	ug/L	74				38	125	
	2,3,4,6-Tetrachlorophenol	50	43.4	ug/L	87				63	116	
	1-Methylnaphthalene	50	41.5	ug/L	83				51	114	
PB162154BSD	n-Nitrosodimethylamine	50	44.5	ug/L	89				55	108	20
	Pyridine	50	40.4	ug/L	81				29	97	20
	Benzaldehyde	50	6.2	ug/L	12		*		15	121	20
	Aniline	50	33.4	ug/L	67				10	130	20
	Phenol	50	45.9	ug/L	92				66	118	20
	bis(2-Chloroethyl)ether	50	47.1	ug/L	94				62	103	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF072324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB162154BSD	2-Chlorophenol	50	47.5	ug/L	95				70	117	20
	1,2-Dichlorobenzene	50	44.5	ug/L	89				72	102	20
	1,3-Dichlorobenzene	50	43.6	ug/L	87				71	103	20
	1,4-Dichlorobenzene	50	43.3	ug/L	87				76	103	20
	Benzyl Alcohol	50	46.8	ug/L	94		*		36	93	20
	2-Methylphenol	50	46.8	ug/L	94				69	109	20
	2,2-oxybis(1-Chloropropane)	50	43.4	ug/L	87				52	103	20
	Acetophenone	50	41.2	ug/L	82				60	104	20
	3+4-Methylphenols	50	46.7	ug/L	93				67	106	20
	N-Nitroso-di-n-propylamine	50	46.6	ug/L	93				57	107	20
	Hexachloroethane	50	45.2	ug/L	90				76	118	20
	Nitrobenzene	50	43.4	ug/L	87				58	106	20
	Isophorone	50	46.2	ug/L	92				61	102	20
	2-Nitrophenol	50	47.1	ug/L	94				70	115	20
	2,4-Dimethylphenol	50	49.3	ug/L	99				67	130	20
	bis(2-Chloroethoxy)methane	50	45.5	ug/L	91				58	109	20
	2,4-Dichlorophenol	50	44.1	ug/L	88				66	115	20
	1,2,4-Trichlorobenzene	50	41.2	ug/L	82				41	115	20
	Benzoic acid	50	35.8	ug/L	72				10	125	20
	Naphthalene	50	43.6	ug/L	87				64	107	20
	4-Chloroaniline	50	19.5	ug/L	39				10	85	20
	Hexachlorobutadiene	50	39.5	ug/L	79				69	101	20
	Caprolactam	50	41.7	ug/L	83				58	128	20
	4-Chloro-3-methylphenol	50	45	ug/L	90				65	114	20
	2-Methylnaphthalene	50	43.7	ug/L	87				64	107	20
	Hexachlorocyclopentadiene	100	120	ug/L	120				36	160	20
	2,4,6-Trichlorophenol	50	42.6	ug/L	85				61	110	20
	2,4,5-Trichlorophenol	50	40.9	ug/L	82				70	106	20
	1,1-Biphenyl	50	41.4	ug/L	83				72	98	20
	2-Chloronaphthalene	50	43.3	ug/L	87				59	106	20
	2-Nitroaniline	50	46.5	ug/L	93				58	107	20
	Dimethylphthalate	50	44.9	ug/L	90				64	103	20
	Acenaphthylene	50	48.3	ug/L	97				65	108	20
	2,6-Dinitrotoluene	50	43.1	ug/L	86				64	110	20
	3-Nitroaniline	50	26.7	ug/L	53				28	100	20
	Acenaphthene	50	45.5	ug/L	91				59	113	20
	Total PAH	800	734.9	ug/L	92				59	113	20
	2,4-Dinitrophenol	100	76.4	ug/L	76				64	132	20
	4-Nitrophenol	100	79.7	ug/L	80				68	116	20
	Dibenzofuran	50	43.9	ug/L	88				65	106	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	87.5	ug/L	88				60	115	20
	2,4-Dinitrotoluene	50	44.4	ug/L	89				60	115	20
	Diethylphthalate	50	44.5	ug/L	89				63	105	20
	4-Chlorophenyl-phenylether	50	41.7	ug/L	83				61	104	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF072324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB162154BSD	Fluorene	50	43.8	ug/L	88				64	107		20
	4-Nitroaniline	50	41.5	ug/L	83				69	112		20
	4,6-Dinitro-2-methylphenol	50	48.9	ug/L	98				62	132		20
	N-Nitrosodiphenylamine	50	46.8	ug/L	94				61	109		20
	Azobenzene	50	45.6	ug/L	91				59	106		20
	4-Bromophenyl-phenylether	50	45.1	ug/L	90				73	103		20
	Hexachlorobenzene	50	44.9	ug/L	90				73	106		20
	Atrazine	50	43.1	ug/L	86				76	120		20
	Pentachlorophenol	100	77.2	ug/L	77				47	114		20
	Phenanthrene	50	45.9	ug/L	92				62	109		20
	Anthracene	50	47.3	ug/L	95				65	110		20
	Carbazole	50	45.3	ug/L	91				62	106		20
	Di-n-butylphthalate	50	46.6	ug/L	93				64	106		20
	Fluoranthene	50	43.6	ug/L	87				64	110		20
	Benzidine	100	32.8	ug/L	33				10	94		20
	Pyrene	50	45.8	ug/L	92				71	103		20
	Butylbenzylphthalate	50	52.7	ug/L	105				61	105		20
	3,3-Dichlorobenzidine	50	33.1	ug/L	66				43	108		20
	Benzo(a)anthracene	50	47.3	ug/L	95				62	107		20
	Chrysene	50	45	ug/L	90				61	108		20
	bis(2-Ethylhexyl)phthalate	50	53.7	ug/L	107				59	110		20
	Di-n-octyl phthalate	50	48.1	ug/L	96				67	126		20
	Benzo(b)fluoranthene	50	45.1	ug/L	90				77	113		20
	Benzo(k)fluoranthene	50	44.9	ug/L	90				64	113		20
	Benzo(a)pyrene	50	48.4	ug/L	97				72	131		20
	Indeno(1,2,3-cd)pyrene	50	49	ug/L	98				72	105		20
	Dibenz(a,h)anthracene	50	47.3	ug/L	95				78	115		20
	Benzo(g,h,i)perylene	50	44.1	ug/L	88				75	118		20
	1,2,4,5-Tetrachlorobenzene	50	39.4	ug/L	79				72	101		20
	1,4-Dioxane	50	36.2	ug/L	72				38	125		20
	2,3,4,6-Tetrachlorophenol	50	43.3	ug/L	87				63	116		20
	1-Methylnaphthalene	50	41.5	ug/L	83				51	114		20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF072324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162188BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1400	ug/Kg	82				28	98	
	Benzaldehyde	1700	210	ug/Kg	12				10	147	
	Aniline	1700	1200	ug/Kg	71				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102	
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99	
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1600	ug/Kg	94				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				67	119	
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				53	105	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1200	ug/Kg	71				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	810	ug/Kg	48				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	4000	ug/Kg	121				45	134	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	960	ug/Kg	56				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	24900	ug/Kg	92				57	104	
	2,4-Dinitrophenol	3300	2500	ug/Kg	76				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF072324**

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162188BS	4-Nitrophenol	3300	2700	ug/Kg	82				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	3000	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				56	107	
	Azobenzene	1700	1600	ug/Kg	94				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1400	ug/Kg	82				67	113	
	Pentachlorophenol	3300	2600	ug/Kg	79				67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	1100	ug/Kg	33				10	98	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1900	ug/Kg	112		*		63	111	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	



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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162084BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF072324

SAS No.: BF072324 SDG NO.: BF072324

Lab File ID: BF138617.D

Lab Sample ID: PB162084BS

Instrument ID: BNA_F

Date Extracted: 07/16/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/23/2024

Level: (low/med) LOW

Time Analyzed: 14:26

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162084BS	PB162084BS	BF138617.D	07/23/2024
B-120-SB01	P3248-01	BF138623.D	07/23/2024

COMMENTS: _____



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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162142BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF072324

SAS No.: BF072324 SDG NO.: BF072324

Lab File ID: BF138615.D

Lab Sample ID: PB162142BL

Instrument ID: BNA_F

Date Extracted: 07/18/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/23/2024

Level: (low/med) LOW

Time Analyzed: 13:25

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162142BS	PB162142BS	BF138616.D	07/23/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162154BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF072324

SAS No.: BF072324 SDG NO.: BF072324

Lab File ID: BF138612.D

Lab Sample ID: PB162154BL

Instrument ID: BNA_F

Date Extracted: 07/18/2024

Matrix: (soil/water) Water

Date Analyzed: 07/23/2024

Level: (low/med) LOW

Time Analyzed: 11:56

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162154BS	PB162154BS	BF138613.D	07/23/2024
PB162154BSD	PB162154BSD	BF138614.D	07/23/2024
IDW-T1-01	P3282-04	BF138621.D	07/23/2024
SP-303-20240717	P3299-03	BF138622.D	07/23/2024

COMMENTS: _____



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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

285-290

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF072324

SAS No.: BF072324 SDG NO.: BF072324

Lab File ID: BF138624.D

Lab Sample ID: P3302-01

Instrument ID: BNA_F

Date Extracted: 07/19/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/23/2024

Level: (low/med) LOW

Time Analyzed: 18:04

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
285-290	P3302-01	BF138624.D	07/23/2024
285-290MS	P3302-01MS	BF138625.D	07/23/2024
285-290MSD	P3302-01MSD	BF138626.D	07/23/2024

COMMENTS: _____



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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162188BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF072324

SAS No.: BF072324 SDG NO.: BF072324

Lab File ID: BF138610.D

Lab Sample ID: PB162188BL

Instrument ID: BNA_F

Date Extracted: 07/20/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/23/2024

Level: (low/med) LOW

Time Analyzed: 10:56

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162188BS	PB162188BS	BF138611.D	07/23/2024
VNJ206MS	P3314-01MS	BF138628.D	07/23/2024
VNJ206MSD	P3314-01MSD	BF138629.D	07/23/2024

COMMENTS: _____



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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

285-290

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF072324

SAS No.: BF072324 SDG NO.: BF072324

Lab File ID: BF138618.D

Lab Sample ID: P3302-03

Instrument ID: BNA_F

Date Extracted: 07/23/2024

Matrix: (soil/water) water

Date Analyzed: 07/23/2024

Level: (low/med) LOW

Time Analyzed: 15:00

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
285-290	P3302-03	BF138618.D	07/23/2024
285-290MS	P3302-03MS	BF138619.D	07/23/2024
285-290MSD	P3302-03MSD	BF138620.D	07/23/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3302-01MS		Client Sample ID: 285-290MS		DataFile: BF138625.D							
n-Nitrosodimethylamine	1000		1100	ug/Kg	110				66	124	
Pyridine	1000		990	ug/Kg	99				45	119	
Benzaldehyde	1000		150	ug/Kg	15	*			26	163	
Aniline	1000		570	ug/Kg	57				10	88	
Phenol	1000		1100	ug/Kg	110				67	126	
bis(2-Chloroethyl)ether	1000		1100	ug/Kg	110				74	116	
2-Chlorophenol	1000		1100	ug/Kg	110				61	138	
1,2-Dichlorobenzene	1000		1100	ug/Kg	110	*			61	105	
1,3-Dichlorobenzene	1000		1000	ug/Kg	100				62	101	
1,4-Dichlorobenzene	1000		1000	ug/Kg	100				63	104	
Benzyl Alcohol	1000		1200	ug/Kg	120				47	126	
2-Methylphenol	1000		1100	ug/Kg	110				66	122	
2,2-oxybis(1-Chloropropane)	1000		1000	ug/Kg	100				52	115	
Acetophenone	1000		1000	ug/Kg	100				75	111	
3+4-Methylphenols	1000		1100	ug/Kg	110				53	132	
N-Nitroso-di-n-propylamine	1000		1100	ug/Kg	110				59	119	
Hexachloroethane	1000		1100	ug/Kg	110				65	117	
Nitrobenzene	1000		1100	ug/Kg	110				70	119	
Isophorone	1000		1100	ug/Kg	110				76	122	
2-Nitrophenol	1000		1100	ug/Kg	110				54	145	
2,4-Dimethylphenol	1000		1200	ug/Kg	120				83	144	
bis(2-Chloroethoxy)methane	1000		1100	ug/Kg	110				68	112	
2,4-Dichlorophenol	1000		1100	ug/Kg	110				72	118	
1,2,4-Trichlorobenzene	1000		990	ug/Kg	99				57	103	
Benzoic acid	1000		850	ug/Kg	85				50	104	
Naphthalene	1000		1000	ug/Kg	100				72	110	
4-Chloroaniline	1000		220	ug/Kg	22				10	100	
Hexachlorobutadiene	1000		940	ug/Kg	94				66	114	
Caprolactam	1000		990	ug/Kg	99				51	134	
4-Chloro-3-methylphenol	1000		1100	ug/Kg	110				57	132	
2-Methylnaphthalene	1000		1000	ug/Kg	100				59	123	
Hexachlorocyclopentadiene	2100		2100	ug/Kg	100				10	175	
2,4,6-Trichlorophenol	1000		1000	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1000		970	ug/Kg	97				72	117	
1,1-Biphenyl	1000		1000	ug/Kg	100				75	113	
2-Chloronaphthalene	1000		1000	ug/Kg	100				67	118	
2-Nitroaniline	1000		1100	ug/Kg	110				69	127	
Dimethylphthalate	1000		1100	ug/Kg	110				70	113	
Acenaphthylene	1000		1100	ug/Kg	110				79	118	
2,6-Dinitrotoluene	1000		1000	ug/Kg	100				70	125	
3-Nitroaniline	1000		580	ug/Kg	58				20	111	
Acenaphthene	1000		1100	ug/Kg	110				70	121	
Total PAH	16000		16010	ug/Kg	100				70	121	
2,4-Dinitrophenol	2100		1600	ug/Kg	76				16	160	
4-Nitrophenol	2100		1700	ug/Kg	81				45	133	
Dibenzofuran	1000		1000	ug/Kg	100				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072324

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		2000	ug/Kg	100				55	128	
2,4-Dinitrotoluene	1000		1000	ug/Kg	100				55	128	
Diethylphthalate	1000		1100	ug/Kg	110				70	112	
4-Chlorophenyl-phenylether	1000		980	ug/Kg	98				71	108	
Fluorene	1000		1000	ug/Kg	100				68	116	
4-Nitroaniline	1000		870	ug/Kg	87				55	120	
4,6-Dinitro-2-methylphenol	1000		1200	ug/Kg	120				32	145	
N-Nitrosodiphenylamine	1000		1300	ug/Kg	130	*			73	118	
Azobenzene	1000		1100	ug/Kg	110				73	110	
4-Bromophenyl-phenylether	1000		1200	ug/Kg	120				65	121	
Hexachlorobenzene	1000		1100	ug/Kg	110				67	118	
Atrazine	1000		1100	ug/Kg	110				79	127	
Pentachlorophenol	2100		1700	ug/Kg	81				47	128	
Phenanthrene	1000		1100	ug/Kg	110				72	113	
Anthracene	1000		1100	ug/Kg	110				62	124	
Carbazole	1000		970	ug/Kg	97				59	119	
Di-n-butylphthalate	1000		1200	ug/Kg	120	*			69	118	
Fluoranthene	1000		860	ug/Kg	86				59	125	
Benzidine	2100	170	660	ug/Kg	23				10	119	
Pyrene	1000		790	ug/Kg	79				52	128	
Butylbenzylphthalate	1000		1200	ug/Kg	120				64	126	
3,3-Dichlorobenzidine	1000		730	ug/Kg	73				10	164	
Benzo(a)anthracene	1000		1100	ug/Kg	110				71	114	
Chrysene	1000		1100	ug/Kg	110				57	121	
bis(2-Ethylhexyl)phthalate	1000		1500	ug/Kg	150	*			66	127	
Di-n-octyl phthalate	1000		1700	ug/Kg	170	*			71	126	
Benzo(b)fluoranthene	1000		1400	ug/Kg	140	*			67	121	
Benzo(k)fluoranthene	1000		1200	ug/Kg	120	*			74	114	
Benzo(a)pyrene	1000		1200	ug/Kg	120				70	142	
Indeno(1,2,3-cd)pyrene	1000		690	ug/Kg	69				61	125	
Dibenz(a,h)anthracene	1000		680	ug/Kg	68				67	130	
Benzo(g,h,i)perylene	1000		590	ug/Kg	59				53	140	
1,2,4,5-Tetrachlorobenzene	1000		980	ug/Kg	98				69	124	
1,4-Dioxane	1000		920	ug/Kg	92				46	112	
2,3,4,6-Tetrachlorophenol	1000		940	ug/Kg	94				56	133	
1-Methylnaphthalene	1000		960	ug/Kg	96				70	130	
n-Nitrosodimethylamine	500		530	ug/L	106				10	130	
Pyridine	500		430	ug/L	86				10	109	
Benzaldehyde	500		41.8	ug/L	8	*			10	137	
Aniline	500		270	ug/L	54				10	130	
Phenol	500		560	ug/L	112				10	130	
bis(2-Chloroethyl)ether	500		590	ug/L	118				29	141	
2-Chlorophenol	500		600	ug/L	120				23	127	
1,2-Dichlorobenzene	500		540	ug/L	108				61	114	
1,3-Dichlorobenzene	500		520	ug/L	104				65	106	
1,4-Dichlorobenzene	500		510	ug/L	102				55	125	
Benzyl Alcohol	500		620	ug/L	124	*			31	94	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2-Methylphenol	500		600	ug/L	120				23	132	
2,2-oxybis(1-Chloropropane)	500		520	ug/L	104				36	141	
Acetophenone	500		520	ug/L	104				31	164	
3+4-Methylphenols	500		610	ug/L	122				17	136	
N-Nitroso-di-n-propylamine	500		600	ug/L	120				36	147	
Hexachloroethane	500		530	ug/L	106				35	137	
Nitrobenzene	500		560	ug/L	112				40	134	
Isophorone	500		590	ug/L	118				39	146	
2-Nitrophenol	500		590	ug/L	118				30	148	
2,4-Dimethylphenol	500		640	ug/L	128				17	143	
bis(2-Chloroethoxy)methane	500		580	ug/L	116				39	143	
2,4-Dichlorophenol	500		570	ug/L	114				22	146	
1,2,4-Trichlorobenzene	500		510	ug/L	102				66	110	
Benzoic acid	500		470	ug/L	94				10	101	
Naphthalene	500		550	ug/L	110				17	157	
4-Chloroaniline	500		120	ug/L	24				10	95	
Hexachlorobutadiene	500		480	ug/L	96				52	125	
Caprolactam	500		460	ug/L	92				10	130	
4-Chloro-3-methylphenol	500		590	ug/L	118				17	148	
2-Methylnaphthalene	500		550	ug/L	110				38	146	
Hexachlorocyclopentadiene	1000		1100	ug/L	110				20	153	
2,4,6-Trichlorophenol	500		580	ug/L	116				46	139	
2,4,5-Trichlorophenol	500		550	ug/L	110				42	129	
1,1-Biphenyl	500		530	ug/L	106				38	154	
2-Chloronaphthalene	500		550	ug/L	110				41	145	
2-Nitroaniline	500		600	ug/L	120				39	151	
Dimethylphthalate	500		590	ug/L	118				42	147	
Acenaphthylene	500		610	ug/L	122				40	141	
2,6-Dinitrotoluene	500		550	ug/L	110				43	148	
3-Nitroaniline	500		260	ug/L	52				10	111	
Acenaphthene	500		580	ug/L	116				37	146	
Total PAH	8000		8410	ug/L	105				37	146	
2,4-Dinitrophenol	1000		920	ug/L	92				14	167	
4-Nitrophenol	1000		980	ug/L	98				10	130	
Dibenzofuran	500		560	ug/L	112				41	145	
2,4-Dinitrotoluene	500		550	ug/L	110				40	151	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1100	ug/L	110				40	151	
Diethylphthalate	500		570	ug/L	114				41	148	
4-Chlorophenyl-phenylether	500		540	ug/L	108				38	149	
Fluorene	500		550	ug/L	110				39	144	
4-Nitroaniline	500		510	ug/L	102				27	138	
4,6-Dinitro-2-methylphenol	500		620	ug/L	124				32	175	
N-Nitrosodiphenylamine	500		640	ug/L	128				40	150	
Azobenzene	500		580	ug/L	116	*			72	112	
4-Bromophenyl-phenylether	500		610	ug/L	122				42	151	
Hexachlorobenzene	500		580	ug/L	116				60	129	
Atrazine	500		570	ug/L	114				20	162	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072324

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	1000		1000	ug/L	100				15	137	
Phenanthrene	500		590	ug/L	118				40	147	
Anthracene	500		600	ug/L	120				41	146	
Carbazole	500		540	ug/L	108				37	154	
Di-n-butylphthalate	500		630	ug/L	126				40	151	
Fluoranthene	500		450	ug/L	90				42	146	
Benzidine	1000	170	400	ug/L	23				10	130	
Pyrene	500		490	ug/L	98				41	149	
Butylbenzylphthalate	500		630	ug/L	126				39	155	
3,3-Dichlorobenzidine	500		380	ug/L	76				10	114	
Benzo(a)anthracene	500		610	ug/L	122				41	147	
Chrysene	500		590	ug/L	118				44	144	
bis(2-Ethylhexyl)phthalate	500		770	ug/L	154				33	160	
Di-n-octyl phthalate	500		900	ug/L	180	*			36	158	
Benzo(b)fluoranthene	500		580	ug/L	116				40	150	
Benzo(k)fluoranthene	500		600	ug/L	120				40	147	
Benzo(a)pyrene	500		610	ug/L	122				42	147	
Indeno(1,2,3-cd)pyrene	500		350	ug/L	70				30	166	
Dibenz(a,h)anthracene	500		360	ug/L	72				23	172	
Benzo(g,h,i)perylene	500		290	ug/L	58				27	167	
1,2,4,5-Tetrachlorobenzene	500		500	ug/L	100				89	102	
1,4-Dioxane	500		450	ug/L	90				38	130	
2,3,4,6-Tetrachlorophenol	500		550	ug/L	110				91	111	
1-Methylnaphthalene	500		520	ug/L	104				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3302-01MSD		Client Sample ID: 285-290MSD		DataFile: BF138626.D							
n-Nitrosodimethylamine	1000		1100	ug/Kg	110		0		66	124	20
Pyridine	1000		1000	ug/Kg	100		1		45	119	20
Benzaldehyde	1000		150	ug/Kg	15	*	0		26	163	20
Aniline	1000		580	ug/Kg	58		2		10	88	20
Phenol	1000		1100	ug/Kg	110		0		67	126	20
bis(2-Chloroethyl)ether	1000		1200	ug/Kg	120	*	9		74	116	20
2-Chlorophenol	1000		1200	ug/Kg	120		9		61	138	20
1,2-Dichlorobenzene	1000		1100	ug/Kg	110	*	0		61	105	20
1,3-Dichlorobenzene	1000		1100	ug/Kg	110	*	10		62	101	20
1,4-Dichlorobenzene	1000		1100	ug/Kg	110	*	10		63	104	20
Benzyl Alcohol	1000		1200	ug/Kg	120		0		47	126	20
2-Methylphenol	1000		1100	ug/Kg	110		0		66	122	20
2,2-oxybis(1-Chloropropane)	1000		1000	ug/Kg	100		0		52	115	20
Acetophenone	1000		1000	ug/Kg	100		0		75	111	20
3+4-Methylphenols	1000		1200	ug/Kg	120		9		53	132	20
N-Nitroso-di-n-propylamine	1000		1200	ug/Kg	120	*	9		59	119	20
Hexachloroethane	1000		1100	ug/Kg	110		0		65	117	20
Nitrobenzene	1000		1100	ug/Kg	110		0		70	119	20
Isophorone	1000		1200	ug/Kg	120		9		76	122	20
2-Nitrophenol	1000		1200	ug/Kg	120		9		54	145	20
2,4-Dimethylphenol	1000		1200	ug/Kg	120		0		83	144	20
bis(2-Chloroethoxy)methane	1000		1200	ug/Kg	120	*	9		68	112	20
2,4-Dichlorophenol	1000		1100	ug/Kg	110		0		72	118	20
1,2,4-Trichlorobenzene	1000		1000	ug/Kg	100		1		57	103	20
Benzoic acid	1000		890	ug/Kg	89		5		50	104	20
Naphthalene	1000		1100	ug/Kg	110		10		72	110	20
4-Chloroaniline	1000		230	ug/Kg	23		4		10	100	20
Hexachlorobutadiene	1000		980	ug/Kg	98		4		66	114	20
Caprolactam	1000		1000	ug/Kg	100		1		51	134	20
4-Chloro-3-methylphenol	1000		1100	ug/Kg	110		0		57	132	20
2-Methylnaphthalene	1000		1100	ug/Kg	110		10		59	123	20
Hexachlorocyclopentadiene	2100		2000	ug/Kg	95		5		10	175	20
2,4,6-Trichlorophenol	1000		1100	ug/Kg	110		10		72	117	20
2,4,5-Trichlorophenol	1000		1000	ug/Kg	100		3		72	117	20
1,1-Biphenyl	1000		1100	ug/Kg	110		10		75	113	20
2-Chloronaphthalene	1000		1100	ug/Kg	110		10		67	118	20
2-Nitroaniline	1000		1200	ug/Kg	120		9		69	127	20
Dimethylphthalate	1000		1200	ug/Kg	120	*	9		70	113	20
Acenaphthylene	1000		1200	ug/Kg	120	*	9		79	118	20
2,6-Dinitrotoluene	1000		1100	ug/Kg	110		10		70	125	20
3-Nitroaniline	1000		620	ug/Kg	62		7		20	111	20
Acenaphthene	1000		1100	ug/Kg	110		0		70	121	20
Total PAH	16000	963.8	17020	ug/Kg	106		6		70	121	20
2,4-Dinitrophenol	2100		1600	ug/Kg	76		0		16	160	20
4-Nitrophenol	2100		1700	ug/Kg	81		0		45	133	20
Dibenzofuran	1000		1100	ug/Kg	110		10		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072324

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		2100	ug/Kg	105		5		55	128	20
2,4-Dinitrotoluene	1000		1000	ug/Kg	100		0		55	128	20
Diethylphthalate	1000		1100	ug/Kg	110		0		70	112	20
4-Chlorophenyl-phenylether	1000		1000	ug/Kg	100		2		71	108	20
Fluorene	1000		1000	ug/Kg	100		0		68	116	20
4-Nitroaniline	1000		900	ug/Kg	90		3		55	120	20
4,6-Dinitro-2-methylphenol	1000		1200	ug/Kg	120		0		32	145	20
N-Nitrosodiphenylamine	1000		1400	ug/Kg	140	*	7		73	118	20
Azobenzene	1000		1100	ug/Kg	110		0		73	110	20
4-Bromophenyl-phenylether	1000		1300	ug/Kg	130	*	8		65	121	20
Hexachlorobenzene	1000		1200	ug/Kg	120	*	9		67	118	20
Atrazine	1000		1100	ug/Kg	110		0		79	127	20
Pentachlorophenol	2100		1800	ug/Kg	86		6		47	128	20
Phenanthrene	1000	92.6	1200	ug/Kg	111		1		72	113	20
Anthracene	1000		1200	ug/Kg	120		9		62	124	20
Carbazole	1000		1000	ug/Kg	100		3		59	119	20
Di-n-butylphthalate	1000		1300	ug/Kg	130	*	8		69	118	20
Fluoranthene	1000	180	910	ug/Kg	73		16		59	125	20
Benzidine	2100		730	ug/Kg	35		41	*	10	119	20
Pyrene	1000	150	830	ug/Kg	68		15		52	128	20
Butylbenzylphthalate	1000	60.9	1200	ug/Kg	114		5		64	126	20
3,3-Dichlorobenzidine	1000		850	ug/Kg	85		15		10	164	20
Benzo(a)anthracene	1000	100	1200	ug/Kg	110		0		71	114	20
Chrysene	1000	110	1100	ug/Kg	99		11		57	121	20
bis(2-Ethylhexyl)phthalate	1000		1600	ug/Kg	160	*	6		66	127	20
Di-n-octyl phthalate	1000		1800	ug/Kg	180	*	6		71	126	20
Benzo(b)fluoranthene	1000	160	1500	ug/Kg	134	*	4		67	121	20
Benzo(k)fluoranthene	1000	61.2	1200	ug/Kg	114		5		74	114	20
Benzo(a)pyrene	1000	110	1300	ug/Kg	119		1		70	142	20
Indeno(1,2,3-cd)pyrene	1000		760	ug/Kg	76		10		61	125	20
Dibenz(a,h)anthracene	1000		750	ug/Kg	75		10		67	130	20
Benzo(g,h,i)perylene	1000	0	670	ug/Kg	67		13		53	140	20
1,2,4,5-Tetrachlorobenzene	1000		1000	ug/Kg	100		2		69	124	20
1,4-Dioxane	1000		960	ug/Kg	96		4		46	112	20
2,3,4,6-Tetrachlorophenol	1000		990	ug/Kg	99		5		56	133	20
1-Methylnaphthalene	1000		1000	ug/Kg	100		4		70	130	20
n-Nitrosodimethylamine	500		520	ug/L	104		2		10	130	20
Pyridine	500		410	ug/L	82		5		10	109	20
Benzaldehyde	500		0	ug/L	0	*	200	*	10	137	20
Aniline	500		260	ug/L	52		4		10	130	20
Phenol	500		550	ug/L	110		2		10	130	20
bis(2-Chloroethyl)ether	500		570	ug/L	114		3		29	141	20
2-Chlorophenol	500		580	ug/L	116		3		23	127	20
1,2-Dichlorobenzene	500		530	ug/L	106		2		61	114	20
1,3-Dichlorobenzene	500		510	ug/L	102		2		65	106	20
1,4-Dichlorobenzene	500		510	ug/L	102		0		55	125	20
Benzyl Alcohol	500		600	ug/L	120	*	3		31	94	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2-Methylphenol	500		580	ug/L	116		3		23	132	20
2,2-oxybis(1-Chloropropane)	500		510	ug/L	102		2		36	141	20
Acetophenone	500		500	ug/L	100		4		31	164	20
3+4-Methylphenols	500		590	ug/L	118		3		17	136	20
N-Nitroso-di-n-propylamine	500		590	ug/L	118		2		36	147	20
Hexachloroethane	500		520	ug/L	104		2		35	137	20
Nitrobenzene	500		520	ug/L	104		7		40	134	20
Isophorone	500		570	ug/L	114		3		39	146	20
2-Nitrophenol	500		570	ug/L	114		3		30	148	20
2,4-Dimethylphenol	500		610	ug/L	122		5		17	143	20
bis(2-Chloroethoxy)methane	500		550	ug/L	110		5		39	143	20
2,4-Dichlorophenol	500		550	ug/L	110		4		22	146	20
1,2,4-Trichlorobenzene	500		480	ug/L	96		6		66	110	20
Benzoic acid	500		440	ug/L	88		7		10	101	20
Naphthalene	500		520	ug/L	104		6		17	157	20
4-Chloroaniline	500		110	ug/L	22		9		10	95	20
Hexachlorobutadiene	500		460	ug/L	92		4		52	125	20
Caprolactam	500		420	ug/L	84		9		10	130	20
4-Chloro-3-methylphenol	500		570	ug/L	114		3		17	148	20
2-Methylnaphthalene	500		530	ug/L	106		4		38	146	20
Hexachlorocyclopentadiene	1000		1100	ug/L	110		0		20	153	20
2,4,6-Trichlorophenol	500		550	ug/L	110		5		46	139	20
2,4,5-Trichlorophenol	500		530	ug/L	106		4		42	129	20
1,1-Biphenyl	500		510	ug/L	102		4		38	154	20
2-Chloronaphthalene	500		540	ug/L	108		2		41	145	20
2-Nitroaniline	500		580	ug/L	116		3		39	151	20
Dimethylphthalate	500		580	ug/L	116		2		42	147	20
Acenaphthylene	500		600	ug/L	120		2		40	141	20
2,6-Dinitrotoluene	500		550	ug/L	110		0		43	148	20
3-Nitroaniline	500		240	ug/L	48		8		10	111	20
Acenaphthene	500		550	ug/L	110		5		37	146	20
Total PAH	8000		8030	ug/L	100		5		37	146	20
2,4-Dinitrophenol	1000		860	ug/L	86		7		14	167	20
4-Nitrophenol	1000		930	ug/L	93		5		10	130	20
Dibenzofuran	500		550	ug/L	110		2		41	145	20
2,4-Dinitrotoluene	500		550	ug/L	110		0		40	151	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1100	ug/L	110		0		40	151	20
Diethylphthalate	500		560	ug/L	112		2		41	148	20
4-Chlorophenyl-phenylether	500		520	ug/L	104		4		38	149	20
Fluorene	500		540	ug/L	108		2		39	144	20
4-Nitroaniline	500		490	ug/L	98		4		27	138	20
4,6-Dinitro-2-methylphenol	500		590	ug/L	118		5		32	175	20
N-Nitrosodiphenylamine	500		620	ug/L	124		3		40	150	20
Azobenzene	500		560	ug/L	112		4		72	112	20
4-Bromophenyl-phenylether	500		590	ug/L	118		3		42	151	20
Hexachlorobenzene	500		570	ug/L	114		2		60	129	20
Atrazine	500		550	ug/L	110		4		20	162	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	1000		940	ug/L	94		6		15	137	20
Phenanthrene	500		560	ug/L	112		5		40	147	20
Anthracene	500		580	ug/L	116		3		41	146	20
Carbazole	500		510	ug/L	102		6		37	154	20
Di-n-butylphthalate	500		610	ug/L	122		3		40	151	20
Fluoranthene	500		420	ug/L	84		7		42	146	20
Benzidine	1000	170	360	ug/L	19		19		10	130	20
Pyrene	500		440	ug/L	88		11		41	149	20
Butylbenzylphthalate	500		580	ug/L	116		8		39	155	20
3,3-Dichlorobenzidine	500		360	ug/L	72		5		10	114	20
Benzo(a)anthracene	500		580	ug/L	116		5		41	147	20
Chrysene	500		540	ug/L	108		9		44	144	20
bis(2-Ethylhexyl)phthalate	500		730	ug/L	146		5		33	160	20
Di-n-octyl phthalate	500		850	ug/L	170	*	6		36	158	20
Benzo(b)fluoranthene	500		600	ug/L	120		3		40	150	20
Benzo(k)fluoranthene	500		550	ug/L	110		9		40	147	20
Benzo(a)pyrene	500		600	ug/L	120		2		42	147	20
Indeno(1,2,3-cd)pyrene	500		340	ug/L	68		3		30	166	20
Dibenz(a,h)anthracene	500		340	ug/L	68		6		23	172	20
Benzo(g,h,i)perylene	500		270	ug/L	54		7		27	167	20
1,2,4,5-Tetrachlorobenzene	500		490	ug/L	98		2		89	102	20
1,4-Dioxane	500		430	ug/L	86		5		38	130	20
2,3,4,6-Tetrachlorophenol	500		530	ug/L	106		4		91	111	20
1-Methylnaphthalene	500		510	ug/L	102		2		25	151	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3314-01MS		Client Sample ID: VNJ206MS		DataFile: BF138628.D							
n-Nitrosodimethylamine	1100		1100	ug/Kg	100				66	124	
Pyridine	1100		950	ug/Kg	86				45	119	
Benzaldehyde	1100		140	ug/Kg	13	*			26	163	
Aniline	1100		880	ug/Kg	80				10	88	
Phenol	1100		1100	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1100		1100	ug/Kg	100				74	116	
2-Chlorophenol	1100		1100	ug/Kg	100				61	138	
1,2-Dichlorobenzene	1100		1000	ug/Kg	91				61	105	
1,3-Dichlorobenzene	1100		1000	ug/Kg	91				62	101	
1,4-Dichlorobenzene	1100		1000	ug/Kg	91				63	104	
Benzyl Alcohol	1100		1100	ug/Kg	100				47	126	
2-Methylphenol	1100		1100	ug/Kg	100				66	122	
2,2-oxybis(1-Chloropropane)	1100		980	ug/Kg	89				52	115	
Acetophenone	1100		1000	ug/Kg	91				75	111	
3+4-Methylphenols	1100		1100	ug/Kg	100				53	132	
N-Nitroso-di-n-propylamine	1100		1100	ug/Kg	100				59	119	
Hexachloroethane	1100		1000	ug/Kg	91				65	117	
Nitrobenzene	1100		1100	ug/Kg	100				70	119	
Isophorone	1100		1100	ug/Kg	100				76	122	
2-Nitrophenol	1100		1100	ug/Kg	100				54	145	
2,4-Dimethylphenol	1100		1200	ug/Kg	109				83	144	
bis(2-Chloroethoxy)methane	1100		1100	ug/Kg	100				68	112	
2,4-Dichlorophenol	1100		1100	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1100		990	ug/Kg	90				57	103	
Benzoic acid	1100		840	ug/Kg	76				50	104	
Naphthalene	1100		1100	ug/Kg	100				72	110	
4-Chloroaniline	1100		510	ug/Kg	46				10	100	
Hexachlorobutadiene	1100		960	ug/Kg	87				66	114	
Caprolactam	1100		990	ug/Kg	90				51	134	
4-Chloro-3-methylphenol	1100		1100	ug/Kg	100				57	132	
2-Methylnaphthalene	1100		1000	ug/Kg	91				59	123	
Hexachlorocyclopentadiene	2300		1700	ug/Kg	74				10	175	
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1100		990	ug/Kg	90				72	117	
1,1-Biphenyl	1100		1000	ug/Kg	91				75	113	
2-Chloronaphthalene	1100		1100	ug/Kg	100				67	118	
2-Nitroaniline	1100		1200	ug/Kg	109				69	127	
Dimethylphthalate	1100		1100	ug/Kg	100				70	113	
Acenaphthylene	1100		1200	ug/Kg	109				79	118	
2,6-Dinitrotoluene	1100		1100	ug/Kg	100				70	125	
3-Nitroaniline	1100		790	ug/Kg	72				20	111	
Acenaphthene	1100		1100	ug/Kg	100				70	121	
Total PAH	17600		17620	ug/Kg	100				70	121	
2,4-Dinitrophenol	2300		1500	ug/Kg	65				16	160	
4-Nitrophenol	2300		1600	ug/Kg	70				45	133	
Dibenzofuran	1100		1100	ug/Kg	100				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2100	ug/Kg	95				55	128	
2,4-Dinitrotoluene	1100		1000	ug/Kg	91				55	128	
Diethylphthalate	1100		1100	ug/Kg	100				70	112	
4-Chlorophenyl-phenylether	1100		1000	ug/Kg	91				71	108	
Fluorene	1100		1000	ug/Kg	91				68	116	
4-Nitroaniline	1100		880	ug/Kg	80				55	120	
4,6-Dinitro-2-methylphenol	1100		1200	ug/Kg	109				32	145	
N-Nitrosodiphenylamine	1100		1400	ug/Kg	127	*			73	118	
Azobenzene	1100		1100	ug/Kg	100				73	110	
4-Bromophenyl-phenylether	1100		1300	ug/Kg	118				65	121	
Hexachlorobenzene	1100		1200	ug/Kg	109				67	118	
Atrazine	1100		1100	ug/Kg	100				79	127	
Pentachlorophenol	2300		1800	ug/Kg	78				47	128	
Phenanthrene	1100		1200	ug/Kg	109				72	113	
Anthracene	1100		1200	ug/Kg	109				62	124	
Carbazole	1100		1000	ug/Kg	91				59	119	
Di-n-butylphthalate	1100		1200	ug/Kg	109				69	118	
Fluoranthene	1100		1100	ug/Kg	100				59	125	
Benzydine	2300		900	ug/Kg	39				10	119	
Pyrene	1100		870	ug/Kg	79				52	128	
Butylbenzylphthalate	1100	0	1100	ug/Kg	100				64	126	
3,3-Dichlorobenzidine	1100		1200	ug/Kg	109				10	164	
Benzo(a)anthracene	1100		1200	ug/Kg	109				71	114	
Chrysene	1100		1200	ug/Kg	109				57	121	
bis(2-Ethylhexyl)phthalate	1100		1500	ug/Kg	136	*			66	127	
Di-n-octyl phthalate	1100		1800	ug/Kg	164	*			71	126	
Benzo(b)fluoranthene	1100		1500	ug/Kg	136	*			67	121	
Benzo(k)fluoranthene	1100		1300	ug/Kg	118	*			74	114	
Benzo(a)pyrene	1100		1300	ug/Kg	118				70	142	
Indeno(1,2,3-cd)pyrene	1100		830	ug/Kg	75				61	125	
Dibenz(a,h)anthracene	1100		790	ug/Kg	72				67	130	
Benzo(g,h,i)perylene	1100		730	ug/Kg	66				53	140	
1,2,4,5-Tetrachlorobenzene	1100		1000	ug/Kg	91				69	124	
1,4-Dioxane	1100		880	ug/Kg	80				46	112	
2,3,4,6-Tetrachlorophenol	1100		950	ug/Kg	86				56	133	
1-Methylnaphthalene	1100		960	ug/Kg	87				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3314-01MSD		Client Sample ID: VNJ206MSD		DataFile: BF138629.D							
n-Nitrosodimethylamine	1100		1100	ug/Kg	100		0		66	124	20
Pyridine	1100		940	ug/Kg	85		1		45	119	20
Benzaldehyde	1100		130	ug/Kg	12	*	8		26	163	20
Aniline	1100		880	ug/Kg	80		0		10	88	20
Phenol	1100		1100	ug/Kg	100		0		67	126	20
bis(2-Chloroethyl)ether	1100		1100	ug/Kg	100		0		74	116	20
2-Chlorophenol	1100		1100	ug/Kg	100		0		61	138	20
1,2-Dichlorobenzene	1100		1000	ug/Kg	91		0		61	105	20
1,3-Dichlorobenzene	1100		990	ug/Kg	90		1		62	101	20
1,4-Dichlorobenzene	1100		1000	ug/Kg	91		0		63	104	20
Benzyl Alcohol	1100		1100	ug/Kg	100		0		47	126	20
2-Methylphenol	1100		1100	ug/Kg	100		0		66	122	20
2,2-oxybis(1-Chloropropane)	1100		970	ug/Kg	88		1		52	115	20
Acetophenone	1100		980	ug/Kg	89		2		75	111	20
3+4-Methylphenols	1100		1100	ug/Kg	100		0		53	132	20
N-Nitroso-di-n-propylamine	1100		1100	ug/Kg	100		0		59	119	20
Hexachloroethane	1100		1000	ug/Kg	91		0		65	117	20
Nitrobenzene	1100		1000	ug/Kg	91		9		70	119	20
Isophorone	1100		1100	ug/Kg	100		0		76	122	20
2-Nitrophenol	1100		1100	ug/Kg	100		0		54	145	20
2,4-Dimethylphenol	1100		1200	ug/Kg	109		0		83	144	20
bis(2-Chloroethoxy)methane	1100		1100	ug/Kg	100		0		68	112	20
2,4-Dichlorophenol	1100		1000	ug/Kg	91		9		72	118	20
1,2,4-Trichlorobenzene	1100		970	ug/Kg	88		2		57	103	20
Benzoic acid	1100		830	ug/Kg	75		1		50	104	20
Naphthalene	1100		1000	ug/Kg	91		9		72	110	20
4-Chloroaniline	1100		520	ug/Kg	47		2		10	100	20
Hexachlorobutadiene	1100		930	ug/Kg	85		2		66	114	20
Caprolactam	1100		960	ug/Kg	87		3		51	134	20
4-Chloro-3-methylphenol	1100		1000	ug/Kg	91		9		57	132	20
2-Methylnaphthalene	1100		990	ug/Kg	90		1		59	123	20
Hexachlorocyclopentadiene	2300		1600	ug/Kg	70		6		10	175	20
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100		0		72	117	20
2,4,5-Trichlorophenol	1100		1000	ug/Kg	91		1		72	117	20
1,1-Biphenyl	1100		1000	ug/Kg	91		0		75	113	20
2-Chloronaphthalene	1100		1100	ug/Kg	100		0		67	118	20
2-Nitroaniline	1100		1200	ug/Kg	109		0		69	127	20
Dimethylphthalate	1100		1100	ug/Kg	100		0		70	113	20
Acenaphthylene	1100		1200	ug/Kg	109		0		79	118	20
2,6-Dinitrotoluene	1100		1100	ug/Kg	100		0		70	125	20
3-Nitroaniline	1100		800	ug/Kg	73		1		20	111	20
Acenaphthene	1100		1100	ug/Kg	100		0		70	121	20
Total PAH	17600		17430	ug/Kg	99		1		70	121	20
2,4-Dinitrophenol	2300		1400	ug/Kg	61		6		16	160	20
4-Nitrophenol	2300		1600	ug/Kg	70		0		45	133	20
Dibenzofuran	1100		1100	ug/Kg	100		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF072324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2100	ug/Kg	95		0		55	128	20
2,4-Dinitrotoluene	1100		1000	ug/Kg	91		0		55	128	20
Diethylphthalate	1100		1100	ug/Kg	100		0		70	112	20
4-Chlorophenyl-phenylether	1100		1000	ug/Kg	91		0		71	108	20
Fluorene	1100		1000	ug/Kg	91		0		68	116	20
4-Nitroaniline	1100		850	ug/Kg	77		4		55	120	20
4,6-Dinitro-2-methylphenol	1100		1100	ug/Kg	100		9		32	145	20
N-Nitrosodiphenylamine	1100		1300	ug/Kg	118		7		73	118	20
Azobenzene	1100		1100	ug/Kg	100		0		73	110	20
4-Bromophenyl-phenylether	1100		1200	ug/Kg	109		8		65	121	20
Hexachlorobenzene	1100		1100	ug/Kg	100		9		67	118	20
Atrazine	1100		1100	ug/Kg	100		0		79	127	20
Pentachlorophenol	2300		1700	ug/Kg	74		5		47	128	20
Phenanthrene	1100		1200	ug/Kg	109		0		72	113	20
Anthracene	1100		1100	ug/Kg	100		9		62	124	20
Carbazole	1100		1000	ug/Kg	91		0		59	119	20
Di-n-butylphthalate	1100		1200	ug/Kg	109		0		69	118	20
Fluoranthene	1100		1100	ug/Kg	100		0		59	125	20
Benzydine	2300		910	ug/Kg	40		3		10	119	20
Pyrene	1100		850	ug/Kg	77		3		52	128	20
Butylbenzylphthalate	1100	0	1100	ug/Kg	100		0		64	126	20
3,3-Dichlorobenzidine	1100		1200	ug/Kg	109		0		10	164	20
Benzo(a)anthracene	1100		1200	ug/Kg	109		0		71	114	20
Chrysene	1100		1200	ug/Kg	109		0		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1500	ug/Kg	136	*	0		66	127	20
Di-n-octyl phthalate	1100		1700	ug/Kg	155	*	6		71	126	20
Benzo(b)fluoranthene	1100		1500	ug/Kg	136	*	0		67	121	20
Benzo(k)fluoranthene	1100		1300	ug/Kg	118	*	0		74	114	20
Benzo(a)pyrene	1100		1300	ug/Kg	118		0		70	142	20
Indeno(1,2,3-cd)pyrene	1100		840	ug/Kg	76		1		61	125	20
Dibenz(a,h)anthracene	1100		790	ug/Kg	72		0		67	130	20
Benzo(g,h,i)perylene	1100		750	ug/Kg	68		3		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		1000	ug/Kg	91		0		69	124	20
1,4-Dioxane	1100		890	ug/Kg	81		1		46	112	20
2,3,4,6-Tetrachlorophenol	1100		950	ug/Kg	86		0		56	133	20
1-Methylnaphthalene	1100		940	ug/Kg	85		2		70	130	20



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

Surrogate Summary

SW-846

SDG No.: **BF072324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3248-01	B-120-SB01	BF138623.D	2-Fluorophenol	150	95.28	64		18	112
			Phenol-d6	150	98.29	66		15	107
			Nitrobenzene-d5	100	62.23	62		18	107
			2-Fluorobiphenyl	100	63.38	63		20	109
			2,4,6-Tribromophenol	150	89.50	60		10	110
			Terphenyl-d14	100	61.03	61		14	112
PB162084BS	PB162084BS	BF138617.D	2-Fluorophenol	150	126.98	85		18	112
			Phenol-d6	150	127.16	85		15	107
			Nitrobenzene-d5	100	83.09	83		18	107
			2-Fluorobiphenyl	100	83.43	83		20	109
			2,4,6-Tribromophenol	150	124.48	83		10	110
			Terphenyl-d14	100	101.10	101		14	112



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Surrogate Summary

SW-846

SDG No.: **BF072324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162142BL	PB162142BL	BF138615.D	2-Fluorophenol	150	146.50	98		18	112
			Phenol-d6	150	144.21	96		15	107
			Nitrobenzene-d5	100	98.13	98		18	107
			2-Fluorobiphenyl	100	96.23	96		20	109
			2,4,6-Tribromophenol	150	138.29	92		10	110
			Terphenyl-d14	100	118.41	118	*	14	112
PB162142BS	PB162142BS	BF138616.D	2-Fluorophenol	150	123.80	83		18	112
			Phenol-d6	150	124.39	83		15	107
			Nitrobenzene-d5	100	83.38	83		18	107
			2-Fluorobiphenyl	100	81.97	82		20	109
			2,4,6-Tribromophenol	150	122.87	82		10	110
			Terphenyl-d14	100	102.47	102		14	112

Surrogate Summary

SW-846

SDG No.: **BF072324**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3282-04	IDW-T1-01	BF138621.D	2-Fluorophenol	150	88.09	59		10	139
			Phenol-d6	150	59.55	40		10	134
			Nitrobenzene-d5	100	98.09	98		49	133
			2-Fluorobiphenyl	100	95.01	95		52	132
			2,4,6-Tribromophenol	150	135.04	90		32	145
			Terphenyl-d14	100	84.28	84		36	145
P3299-03	SP-303-20240717	BF138622.D	2-Fluorophenol	150	91.62	61		10	139
			Phenol-d6	150	61.56	41		10	134
			Nitrobenzene-d5	100	94.34	94		49	133
			2-Fluorobiphenyl	100	93.30	93		52	132
			2,4,6-Tribromophenol	150	132.57	88		32	145
			Terphenyl-d14	100	101.76	102		36	145
PB162154BL	PB162154BL	BF138612.D	2-Fluorophenol	150	144.28	96		10	139
			Phenol-d6	150	143.40	96		10	134
			Nitrobenzene-d5	100	97.88	98		49	133
			2-Fluorobiphenyl	100	95.08	95		52	132
			2,4,6-Tribromophenol	150	137.35	92		32	145
			Terphenyl-d14	100	114.28	114		36	145
PB162154BS	PB162154BS	BF138613.D	2-Fluorophenol	150	125.18	83		10	139
			Phenol-d6	150	126.50	84		10	134
			Nitrobenzene-d5	100	83.79	84		49	133
			2-Fluorobiphenyl	100	82.59	83		52	132
			2,4,6-Tribromophenol	150	124.68	83		32	145
			Terphenyl-d14	100	99.34	99		36	145
PB162154BSD	PB162154BSD	BF138614.D	2-Fluorophenol	150	124.36	83		10	139
			Phenol-d6	150	125.20	83		10	134
			Nitrobenzene-d5	100	83.71	84		49	133
			2-Fluorobiphenyl	100	82.33	82		52	132
			2,4,6-Tribromophenol	150	123.84	83		32	145
			Terphenyl-d14	100	100.32	100		36	145



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Surrogate Summary

SW-846

SDG No.: **BF072324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3302-01	285-290	BF138624.D	2-Fluorophenol	150	98.13	65		18	112
			Phenol-d6	150	101.74	68		15	107
			Nitrobenzene-d5	100	66.07	66		18	107
			2-Fluorobiphenyl	100	68.52	69		20	109
			2,4,6-Tribromophenol	150	89.35	60		10	110
			Terphenyl-d14	100	60.20	60		14	112
P3302-01MS	285-290MS	BF138625.D	2-Fluorophenol	150	108.85	73		18	112
			Phenol-d6	150	112.59	75		15	107
			Nitrobenzene-d5	100	74.09	74		18	107
			2-Fluorobiphenyl	100	75.19	75		20	109
			2,4,6-Tribromophenol	150	99.58	66		10	110
			Terphenyl-d14	100	67.30	67		14	112
P3302-01MSD	285-290MSD	BF138626.D	2-Fluorophenol	150	113.49	76		18	112
			Phenol-d6	150	118.06	79		15	107
			Nitrobenzene-d5	100	76.69	77		18	107
			2-Fluorobiphenyl	100	79.31	79		20	109
			2,4,6-Tribromophenol	150	102.40	68		10	110
			Terphenyl-d14	100	71.23	71		14	112

Surrogate Summary

SW-846

SDG No.: **BF072324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3314-01MS	VNJ206MS	BF138628.D	2-Fluorophenol	150	79.84	53		18	112
			Phenol-d6	150	81.81	55		15	107
			Nitrobenzene-d5	100	55.55	56		18	107
			2-Fluorobiphenyl	100	57.30	57		20	109
			2,4,6-Tribromophenol	150	72.42	48		10	110
			Terphenyl-d14	100	49.88	50		14	112
P3314-01MSD	VNJ206MSD	BF138629.D	2-Fluorophenol	150	79.49	53		18	112
			Phenol-d6	150	80.20	53		15	107
			Nitrobenzene-d5	100	53.96	54		18	107
			2-Fluorobiphenyl	100	57.81	58		20	109
			2,4,6-Tribromophenol	150	71.28	48		10	110
			Terphenyl-d14	100	48.35	48		14	112
P3314-01RE	VNJ206RE	BF138627.D	2-Fluorophenol	150	88.38	59		18	112
			Phenol-d6	150	91.59	61		15	107
			Nitrobenzene-d5	100	60.72	61		18	107
			2-Fluorobiphenyl	100	62.92	63		20	109
			2,4,6-Tribromophenol	150	77.00	51		10	110
			Terphenyl-d14	100	53.14	53		14	112
PB162188BL	PB162188BL	BF138610.D	2-Fluorophenol	150	148.10	99		18	112
			Phenol-d6	150	148.21	99		15	107
			Nitrobenzene-d5	100	95.99	96		18	107
			2-Fluorobiphenyl	100	94.69	95		20	109
			2,4,6-Tribromophenol	150	140.19	93		10	110
			Terphenyl-d14	100	107.15	107		14	112
PB162188BS	PB162188BS	BF138611.D	2-Fluorophenol	150	126.77	85		18	112
			Phenol-d6	150	127.99	85		15	107
			Nitrobenzene-d5	100	84.89	85		18	107
			2-Fluorobiphenyl	100	84.40	84		20	109
			2,4,6-Tribromophenol	150	124.19	83		10	110
			Terphenyl-d14	100	100.78	101		14	112



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Surrogate Summary

SW-846

SDG No.: **BF072324**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3302-03	285-290	BF138618.D	2-Fluorophenol	150	153.23	102		10	139
			Phenol-d6	150	145.12	97		10	134
			Nitrobenzene-d5	100	106.40	106		49	133
			2-Fluorobiphenyl	100	102.53	103		52	132
			2,4,6-Tribromophenol	150	153.60	102		32	145
			Terphenyl-d14	100	111.68	112		36	145
P3302-03MS	285-290MS	BF138619.D	2-Fluorophenol	150	153.78	103		10	139
			Phenol-d6	150	152.67	102		10	134
			Nitrobenzene-d5	100	104.44	104		49	133
			2-Fluorobiphenyl	100	101.83	102		52	132
			2,4,6-Tribromophenol	150	149.29	100		32	145
			Terphenyl-d14	100	110.72	111		36	145
P3302-03MSD	285-290MSD	BF138620.D	2-Fluorophenol	150	149.12	99		10	139
			Phenol-d6	150	149.44	100		10	134
			Nitrobenzene-d5	100	100.58	101		49	133
			2-Fluorobiphenyl	100	99.72	100		52	132
			2,4,6-Tribromophenol	150	144.33	96		32	145
			Terphenyl-d14	100	100.52	101		36	145

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF072324

Lab Code: CHEM

SAS No.: BF072324 SDG NO.: BF072324

Lab File ID: BF138608.D

DFTPP Injection Date: 07/23/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:19

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	52.8
68	Less than 2.0% of mass 69	0.7 (1.6) 1
69	Mass 69 relative abundance	43.4
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	51.7
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.2
275	10.0 - 60.0% of mass 198	26.6
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	90.3
443	15.0 - 24.0% of mass 442	16.6 (18.4) 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	BF138609.D	07/23/2024	10:22
PB162188BL	PB162188BL	BF138610.D	07/23/2024	10:56
PB162188BS	PB162188BS	BF138611.D	07/23/2024	11:25
PB162154BL	PB162154BL	BF138612.D	07/23/2024	11:56
PB162154BS	PB162154BS	BF138613.D	07/23/2024	12:26
PB162154BSD	PB162154BSD	BF138614.D	07/23/2024	12:55
PB162142BL	PB162142BL	BF138615.D	07/23/2024	13:25
PB162142BS	PB162142BS	BF138616.D	07/23/2024	13:55
PB162084BS	PB162084BS	BF138617.D	07/23/2024	14:26
285-290	P3302-03	BF138618.D	07/23/2024	15:00
285-290MS	P3302-03MS	BF138619.D	07/23/2024	15:31
285-290MSD	P3302-03MSD	BF138620.D	07/23/2024	16:01
IDW-T1-01	P3282-04	BF138621.D	07/23/2024	16:32
SP-303-20240717	P3299-03	BF138622.D	07/23/2024	17:02
B-120-SB01	P3248-01	BF138623.D	07/23/2024	17:33
285-290	P3302-01	BF138624.D	07/23/2024	18:04
285-290MS	P3302-01MS	BF138625.D	07/23/2024	18:35
285-290MSD	P3302-01MSD	BF138626.D	07/23/2024	19:06

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF072324

Lab Code: CHEM

SAS No.: BF072324

SDG NO.: BF072324

Lab File ID: BF138608.D

DFTPP Injection Date: 07/23/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:19

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	52.8
68	Less than 2.0% of mass 69	0.7 (1.6) 1
69	Mass 69 relative abundance	43.4
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	51.7
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.2
275	10.0 - 60.0% of mass 198	26.6
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	90.3
443	15.0 - 24.0% of mass 442	16.6 (18.4) 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
VNJ206RE	P3314-01RE	BF138627.D	07/23/2024	19:37
VNJ206MS	P3314-01MS	BF138628.D	07/23/2024	20:08
VNJ206MSD	P3314-01MSD	BF138629.D	07/23/2024	20:38
SSTDCCC040EC	SSTDCCC040EC	BF138630.D	07/23/2024	21:09