

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF081324 SAS No.: BF081324 SDG No.: BF081324

Instrument ID: BNA_F Calibration Date/Time: 8/13/2024 1:10:08

Lab File ID: BF138965.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	0.818	0.909		11.125	
Pyridine	1.374	1.226		-10.771	
2-Fluorophenol	1.296	1.286		-0.772	
Benzaldehyde	1.043	0.961		-7.862	
Aniline	1.551	1.459		-5.932	
Phenol-d6	1.740	1.732		-0.46	
Phenol	1.832	1.793		-2.075	20.0
bis(2-Chloroethyl)ether	1.409	1.348		-4.329	
2-Chlorophenol	1.363	1.355		-0.587	
1,2-Dichlorobenzene	1.439	1.484		3.127	
1,3-Dichlorobenzene	1.526	1.517		-0.59	
1,4-Dichlorobenzene	1.540	1.536		-0.26	20.0
Benzyl Alcohol	1.254	1.346		7.337	
2-Methylphenol	1.126	1.117		-0.799	
2,2-oxybis(1-Chloropropane)	2.426	2.243		-7.543	
Acetophenone	0.490	0.517		5.51	
3+4-Methylphenols	1.444	1.528		5.817	
n-Nitroso-di-n-propylamine	1.051	1.098	0.050	4.472	
Nitrobenzene-d5	0.409	0.434		6.112	
Hexachloroethane	0.580	0.586		1.034	
Nitrobenzene	0.416	0.426		2.404	
Isophorone	0.699	0.716		2.432	
2-Nitrophenol	0.179	0.183		2.235	20.0
2,4-Dimethylphenol	0.214	0.216		0.935	
bis(2-Chloroethoxy)methane	0.425	0.414		-2.588	
2,4-Dichlorophenol	0.275	0.284		3.273	20.0
1,2,4-Trichlorobenzene	0.318	0.327		2.83	
Benzoic acid	0.168	0.110		-34.524	
Naphthalene	1.053	1.061		0.76	
4-Chloroaniline	0.353	0.338		-4.249	
Hexachlorobutadiene	0.192	0.212		10.417	20.0
Caprolactam	0.082	0.088		7.317	
4-Chloro-3-methylphenol	0.315	0.334		6.032	20.0
2-Methylnaphthalene	0.665	0.696		4.662	
Hexachlorocyclopentadiene	0.120	0.104	0.050	-13.333	
2,4,6-Trichlorophenol	0.339	0.325		-4.13	20.0
2-Fluorobiphenyl	1.331	1.373		3.156	
2,4,5-Trichlorophenol	0.370	0.356		-3.784	
1,1-Biphenyl	1.566	1.563		-0.192	

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Lab File ID: BF138965.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	1.165	1.156		-0.773	
2-Nitroaniline	0.395	0.420		6.329	
Dimethylphthalate	1.279	1.342		4.926	
Acenaphthylene	1.652	1.646		-0.363	
2,6-Dinitrotoluene	0.289	0.310		7.266	
3-Nitroaniline	0.298	0.296		-0.671	
Acenaphthene	1.111	1.098		-1.17	20.0
2,4-Dinitrophenol	0.133	0.124	0.050	-6.767	
4-Nitrophenol	0.179	0.190	0.050	6.145	
Dibenzofuran	1.568	1.612		2.806	
2,4-Dinitrotoluene	0.368	0.412		11.957	
Diethylphthalate	1.213	1.379		13.685	
4-Chlorophenyl-phenylether	0.614	0.667		8.632	
Fluorene	1.249	1.345		7.686	
4-Nitroaniline	0.284	0.292		2.817	
4,6-Dinitro-2-methylphenol	0.122	0.117		-4.098	
n-Nitrosodiphenylamine	0.625	0.611		-2.24	20.0
Azobenzene	1.345	1.413		5.056	
2,4,6-Tribromophenol	0.164	0.172		4.878	
4-Bromophenyl-phenylether	0.217	0.210		-3.226	
Hexachlorobenzene	0.224	0.221		-1.339	
Atrazine	0.161	0.167		3.727	
Pentachlorophenol	0.101	0.089		-11.881	20.0
Phenanthrene	1.030	1.031		0.097	
Anthracene	1.015	1.015		0.0	
Carbazole	0.875	0.874		-0.114	
Di-n-butylphthalate	0.984	1.158		17.683	
Fluoranthene	0.961	0.985		2.497	20.0
Benzidine	0.478	0.348		-27.197	
Pyrene	1.883	1.987		5.523	
Terphenyl-d14	1.195	1.343		12.385	
Butylbenzylphthalate	0.603	0.707		17.247	
3,3-Dichlorobenzidine	0.352	0.360		2.273	
Benzo(a)anthracene	1.377	1.417		2.905	
Chrysene	1.243	1.227		-1.287	
Bis(2-ethylhexyl)phthalate	0.883	0.893		1.133	
Di-n-octyl phthalate	1.634	1.420		-13.097	20.0
Benzo(b)fluoranthene	1.240	1.278		3.065	
Benzo(k)fluoranthene	1.073	1.109		3.355	

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF081324 SAS No.: BF081324 SDG No.: BF081324

Instrument ID: BNA_F Calibration Date/Time: 8/13/2024 1:10:08

Lab File ID: BF138965.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	1.043	1.069		2.493	20.0
Indeno(1,2,3-cd)pyrene	1.433	1.252		-12.631	
Dibenzo(a,h)anthracene	1.177	1.024		-12.999	
Benzo(g,h,i)perylene	1.221	1.000		-18.1	
1,2,4,5-Tetrachlorobenzene	0.556	0.555		-0.18	
1,4-Dioxane	0.567	0.508		-10.406	20.0
2,3,4,6-Tetrachlorophenol	0.283	0.294		3.887	
1-Methylnaphthalene	0.652	0.681		4.448	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF081324 SAS No.: BF081324 SDG No.: BF081324
Instrument ID: BNA_F Calibration Date/Time: 8/13/2024 1:16:58
Lab File ID: BF138978.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	0.818	0.944		15.403	50.0
Pyridine	1.374	1.294		-5.822	50.0
2-Fluorophenol	1.296	1.292		-0.309	50.0
Benzaldehyde	1.043	1.011		-3.068	50.0
Aniline	1.551	1.497		-3.482	50.0
Phenol-d6	1.740	1.747		0.402	50.0
Phenol	1.832	1.820		-0.601	50.0
bis(2-Chloroethyl) ether	1.409	1.338		-5.039	50.0
2-Chlorophenol	1.363	1.398		2.568	50.0
1,2-Dichlorobenzene	1.439	1.487		3.336	50.0
1,3-Dichlorobenzene	1.526	1.519		-0.459	50.0
1,4-Dichlorobenzene	1.540	1.550		0.649	50.0
Benzyl Alcohol	1.254	1.357		8.214	50.0
2-Methylphenol	1.126	1.131		0.444	50.0
2,2-oxybis(1-Chloropropane)	2.426	2.256		-7.007	50.0
Acetophenone	0.490	0.509		3.878	50.0
3+4-Methylphenols	1.444	1.507		4.363	50.0
n-Nitroso-di-n-propylamine	1.051	1.105	0.050	5.138	50.0
Nitrobenzene-d5	0.409	0.430		5.134	50.0
Hexachloroethane	0.580	0.597		2.931	50.0
Nitrobenzene	0.416	0.428		2.885	50.0
Isophorone	0.699	0.702		0.429	50.0
2-Nitrophenol	0.179	0.183		2.235	50.0
2,4-Dimethylphenol	0.214	0.218		1.869	50.0
bis(2-Chloroethoxy) methane	0.425	0.420		-1.176	50.0
2,4-Dichlorophenol	0.275	0.285		3.636	50.0
1,2,4-Trichlorobenzene	0.318	0.325		2.201	50.0
Benzoic acid	0.168	0.145		-13.69	50.0
Naphthalene	1.053	1.059		0.57	50.0
4-Chloroaniline	0.353	0.335		-5.099	50.0
Hexachlorobutadiene	0.192	0.212		10.417	50.0
Caprolactam	0.082	0.084		2.439	50.0
4-Chloro-3-methylphenol	0.315	0.325		3.175	50.0
2-Methylnaphthalene	0.665	0.677		1.805	50.0
Hexachlorocyclopentadiene	0.120	0.126	0.050	5.0	50.0
2,4,6-Trichlorophenol	0.339	0.340		0.295	50.0
2-Fluorobiphenyl	1.331	1.414		6.236	50.0
2,4,5-Trichlorophenol	0.370	0.366		-1.081	50.0
1,1-Biphenyl	1.566	1.596		1.916	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	1.165	1.166		0.086	50.0
2-Nitroaniline	0.395	0.409		3.544	50.0
Dimethylphthalate	1.279	1.350		5.551	50.0
Acenaphthylene	1.652	1.644		-0.484	50.0
2,6-Dinitrotoluene	0.289	0.303		4.844	50.0
3-Nitroaniline	0.298	0.273		-8.389	50.0
Acenaphthene	1.111	1.104		-0.63	50.0
2,4-Dinitrophenol	0.133	0.129	0.050	-3.008	50.0
4-Nitrophenol	0.179	0.176	0.050	-1.676	50.0
Dibenzofuran	1.568	1.591		1.467	50.0
2,4-Dinitrotoluene	0.368	0.392		6.522	50.0
Diethylphthalate	1.213	1.359		12.036	50.0
4-Chlorophenyl-phenylether	0.614	0.649		5.7	50.0
Fluorene	1.249	1.299		4.003	50.0
4-Nitroaniline	0.284	0.254		-10.563	50.0
4,6-Dinitro-2-methylphenol	0.122	0.120		-1.639	50.0
n-Nitrosodiphenylamine	0.625	0.649		3.84	50.0
Azobenzene	1.345	1.361		1.19	50.0
2,4,6-Tribromophenol	0.164	0.164		0.0	50.0
4-Bromophenyl-phenylether	0.217	0.227		4.608	50.0
Hexachlorobenzene	0.224	0.231		3.125	50.0
Atrazine	0.161	0.160		-0.621	50.0
Pentachlorophenol	0.101	0.093		-7.921	50.0
Phenanthrene	1.030	1.036		0.583	50.0
Anthracene	1.015	1.018		0.296	50.0
Carbazole	0.875	0.830		-5.143	50.0
Di-n-butylphthalate	0.984	1.116		13.415	50.0
Fluoranthene	0.961	0.929		-3.33	50.0
Benzidine	0.478	0.297		-37.866	50.0
Pyrene	1.883	1.862		-1.115	50.0
Terphenyl-d14	1.195	1.243		4.017	50.0
Butylbenzylphthalate	0.603	0.672		11.443	50.0
3,3-Dichlorobenzidine	0.352	0.378		7.386	50.0
Benzo(a)anthracene	1.377	1.393		1.162	50.0
Chrysene	1.243	1.249		0.483	50.0
Bis(2-ethylhexyl)phthalate	0.883	0.897		1.586	50.0
Di-n-octyl phthalate	1.634	1.563		-4.345	50.0
Benzo(b)fluoranthene	1.240	1.221		-1.532	50.0
Benzo(k)fluoranthene	1.073	1.142		6.431	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	1.043	1.056		1.246	50.0
Indeno(1,2,3-cd)pyrene	1.433	1.147		-19.958	50.0
Dibenzo(a,h)anthracene	1.177	0.947		-19.541	50.0
Benzo(g,h,i)perylene	1.221	0.940		-23.014	50.0
1,2,4,5-Tetrachlorobenzene	0.556	0.570		2.518	50.0
1,4-Dioxane	0.567	0.496		-12.522	50.0
2,3,4,6-Tetrachlorophenol	0.283	0.284		0.353	50.0
1-Methylnaphthalene	0.652	0.655		0.46	50.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF081324 SAS No.: BF081324 SDG No.: BF081324

Instrument ID: BNA_F Calibration Date/Time: 8/13/2024 1:18:33

Lab File ID: BF138980.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	0.818	0.947		15.77	
Pyridine	1.374	1.294		-5.822	
2-Fluorophenol	1.296	1.282		-1.08	
Benzaldehyde	1.043	1.041		-0.192	
Aniline	1.551	1.511		-2.579	
Phenol-d6	1.740	1.714		-1.494	
Phenol	1.832	1.784		-2.567	20.0
bis(2-Chloroethyl) ether	1.409	1.311		-6.955	
2-Chlorophenol	1.363	1.376		0.954	
1,2-Dichlorobenzene	1.439	1.468		2.015	
1,3-Dichlorobenzene	1.526	1.517		-0.59	
1,4-Dichlorobenzene	1.540	1.554		0.909	20.0
Benzyl Alcohol	1.254	1.353		7.895	
2-Methylphenol	1.126	1.100		-2.309	
2,2-oxybis(1-Chloropropane)	2.426	2.217		-8.615	
Acetophenone	0.490	0.524		6.939	
3+4-Methylphenols	1.444	1.523		5.471	
n-Nitroso-di-n-propylamine	1.051	1.113	0.050	5.899	
Nitrobenzene-d5	0.409	0.432		5.623	
Hexachloroethane	0.580	0.591		1.897	
Nitrobenzene	0.416	0.435		4.567	
Isophorone	0.699	0.709		1.431	
2-Nitrophenol	0.179	0.183		2.235	20.0
2,4-Dimethylphenol	0.214	0.216		0.935	
bis(2-Chloroethoxy) methane	0.425	0.416		-2.118	
2,4-Dichlorophenol	0.275	0.281		2.182	20.0
1,2,4-Trichlorobenzene	0.318	0.325		2.201	
Benzoic acid	0.168	0.117		-30.357	
Naphthalene	1.053	1.064		1.045	
4-Chloroaniline	0.353	0.343		-2.833	
Hexachlorobutadiene	0.192	0.208		8.333	20.0
Caprolactam	0.082	0.086		4.878	
4-Chloro-3-methylphenol	0.315	0.326		3.492	20.0
2-Methylnaphthalene	0.665	0.687		3.308	
Hexachlorocyclopentadiene	0.120	0.118	0.050	-1.667	
2,4,6-Trichlorophenol	0.339	0.328		-3.245	20.0
2-Fluorobiphenyl	1.331	1.393		4.658	
2,4,5-Trichlorophenol	0.370	0.354		-4.324	
1,1-Biphenyl	1.566	1.554		-0.766	

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Lab File ID: BF138980.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	1.165	1.153		-1.03	
2-Nitroaniline	0.395	0.398		0.759	
Dimethylphthalate	1.279	1.323		3.44	
Acenaphthylene	1.652	1.603		-2.966	
2,6-Dinitrotoluene	0.289	0.301		4.152	
3-Nitroaniline	0.298	0.283		-5.034	
Acenaphthene	1.111	1.093		-1.62	20.0
2,4-Dinitrophenol	0.133	0.121	0.050	-9.023	
4-Nitrophenol	0.179	0.177	0.050	-1.117	
Dibenzofuran	1.568	1.557		-0.702	
2,4-Dinitrotoluene	0.368	0.388		5.435	
Diethylphthalate	1.213	1.307		7.749	
4-Chlorophenyl-phenylether	0.614	0.636		3.583	
Fluorene	1.249	1.277		2.242	
4-Nitroaniline	0.284	0.260		-8.451	
4,6-Dinitro-2-methylphenol	0.122	0.117		-4.098	
n-Nitrosodiphenylamine	0.625	0.637		1.92	20.0
Azobenzene	1.345	1.359		1.041	
2,4,6-Tribromophenol	0.164	0.164		0.0	
4-Bromophenyl-phenylether	0.217	0.222		2.304	
Hexachlorobenzene	0.224	0.227		1.339	
Atrazine	0.161	0.159		-1.242	
Pentachlorophenol	0.101	0.090		-10.891	20.0
Phenanthrene	1.030	1.027		-0.291	
Anthracene	1.015	1.025		0.985	
Carbazole	0.875	0.832		-4.914	
Di-n-butylphthalate	0.984	1.107		12.5	
Fluoranthene	0.961	0.920		-4.266	20.0
Benzidine	0.478	0.375		-21.548	
Pyrene	1.883	1.846		-1.965	
Terphenyl-d14	1.195	1.231		3.013	
Butylbenzylphthalate	0.603	0.654		8.458	
3,3-Dichlorobenzidine	0.352	0.382		8.523	
Benzo(a)anthracene	1.377	1.350		-1.961	
Chrysene	1.243	1.231		-0.965	
Bis(2-ethylhexyl)phthalate	0.883	0.863		-2.265	
Di-n-octyl phthalate	1.634	1.466		-10.282	20.0
Benzo(b)fluoranthene	1.240	1.187		-4.274	
Benzo(k)fluoranthene	1.073	1.146		6.803	

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Instrument ID: BNA_F Calibration Date/Time: 8/13/2024 1:18:33

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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	1.043	1.054		1.055	20.0
Indeno(1,2,3-cd)pyrene	1.433	1.162		-18.911	
Dibenzo(a,h)anthracene	1.177	0.919		-21.92	
Benzo(g,h,i)perylene	1.221	0.905		-25.88	
1,2,4,5-Tetrachlorobenzene	0.556	0.561		0.899	
1,4-Dioxane	0.567	0.511		-9.877	20.0
2,3,4,6-Tetrachlorophenol	0.283	0.273		-3.534	
1-Methylnaphthalene	0.652	0.666		2.147	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162612TB	SDG No.:	BF081324
Lab Sample ID:	PB162612TB	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
BF138966.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162612

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:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162612TB	SDG No.:	BF081324
Lab Sample ID:	PB162612TB	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
BF138966.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162612

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:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162612TB	SDG No.:	BF081324
Lab Sample ID:	PB162612TB	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
BF138966.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162612

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	122.534		10-139		82	SPK: -150
13127-88-3	Phenol-d6	120.703		10-134		80	SPK: -150
4165-60-0	Nitrobenzene-d5	82.884		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	81.722		52-132		82	SPK: -100

Report of Analysis

Client:		Date Collected:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162612TB	SDG No.:	BF081324
Lab Sample ID:	PB162612TB	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
BF138966.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	129.195		44-137		86	SPK: -150
1718-51-0	Terphenyl-d14	108.281		48-125		108	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	43527	6.84				
1146-65-2	Naphthalene-d8	182926	8.116				
15067-26-2	Acenaphthene-d10	108737	9.869				
1517-22-2	Phenanthrene-d10	207005	11.357				
1719-03-5	Chrysene-d12	111617	13.998				
1520-96-3	Perylene-d12	83812	15.468				

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	PB162520BS	SDG No.:	BF081324
Lab Sample ID:	PB162520BS	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
BF138967.D	1	8/6/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1800		86.7	270	330	ug/Kg
110-86-1	Pyridine	1100		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	1100		180	270	330	ug/Kg
62-53-3	Aniline	1100		96.8	130	170	ug/Kg
108-95-2	Phenol	1600		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	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	1700		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1700		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		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	1500		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	960		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	700		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	PB162520BS	SDG No.:	BF081324
Lab Sample ID:	PB162520BS	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
BF138967.D	1	8/6/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1500		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3100	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1000		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81	130	170	ug/Kg
Total PAH	Total PAH	25500		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2300		120	270	330	ug/Kg
132-64-9	Dibenzofuran	1600		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3300		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1700		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.5	130	170	ug/Kg
86-73-7	Fluorene	1600		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.5	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	1900		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	PB162520BS	SDG No.:	BF081324
Lab Sample ID:	PB162520BS	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
BF138967.D	1	8/6/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2200		77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1600		83.9	130	170	ug/Kg
120-12-7	Anthracene	1700		84.3	130	170	ug/Kg
86-74-8	Carbazole	1600		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1900		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1600		81.6	130	170	ug/Kg
92-87-5	Benzidine	430		160	270	330	ug/Kg
129-00-0	Pyrene	1600		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1900		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		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	1700		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1900		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1000		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1500		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	132.82		18-112		89	SPK: -150
13127-88-3	Phenol-d6	130.11		15-107		87	SPK: -150
4165-60-0	Nitrobenzene-d5	87.15		18-107		87	SPK: -100
321-60-8	2-Fluorobiphenyl	86.858		20-109		87	SPK: -100

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	PB162520BS	SDG No.:	BF081324
Lab Sample ID:	PB162520BS	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
BF138967.D	1	8/6/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	135.265		10-116		90	SPK: -150
1718-51-0	Terphenyl-d14	110.591	*	10-105		111	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	49442	6.84				
1146-65-2	Naphthalene-d8	209908	8.122				
15067-26-2	Acenaphthene-d10	120228	9.875				
1517-22-2	Phenanthrene-d10	210367	11.363				
1719-03-5	Chrysene-d12	104150	14.004				
1520-96-3	Perylene-d12	91923	15.463				

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	PB162455TB	SDG No.:	BF081324
Lab Sample ID:	PB162455TB	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
BF138968.D	1	8/2/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162473

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:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	PB162455TB	SDG No.:	BF081324
Lab Sample ID:	PB162455TB	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
BF138968.D	1	8/2/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162473

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

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	PB162455TB	SDG No.:	BF081324
Lab Sample ID:	PB162455TB	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
BF138968.D	1	8/2/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162473

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	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	119.832		10-139		80	SPK: -150
13127-88-3	Phenol-d6	119.048		10-134		79	SPK: -150
4165-60-0	Nitrobenzene-d5	82.287		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	81.984		52-132		82	SPK: -100

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	PB162455TB	SDG No.:	BF081324
Lab Sample ID:	PB162455TB	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
BF138968.D	1	8/2/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162473

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	124.725		44-137		83	SPK: -150
1718-51-0	Terphenyl-d14	111.916		48-125		112	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	43466	6.84				
1146-65-2	Naphthalene-d8	178363	8.122				
15067-26-2	Acenaphthene-d10	104529	9.875				
1517-22-2	Phenanthrene-d10	194797	11.363				
1719-03-5	Chrysene-d12	98581	13.998				
1520-96-3	Perylene-d12	78257	15.468				

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	927-KI-SD-0.5-1.0-080724	SDG No.:	BF081324
Lab Sample ID:	P3512-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.6
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138969.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	380	460	ug/Kg
110-86-1	Pyridine	110	U	110	180	240	ug/Kg
100-52-7	Benzaldehyde	250	U	250	380	460	ug/Kg
62-53-3	Aniline	140	U	140	180	240	ug/Kg
108-95-2	Phenol	120	U	120	180	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	180	240	ug/Kg
95-57-8	2-Chlorophenol	120	U	120	180	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	U	120	180	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	180	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	180	240	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	380	460	ug/Kg
95-48-7	2-Methylphenol	110	U	110	180	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	180	240	ug/Kg
98-86-2	Acetophenone	120	U	120	180	240	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.4	U	56.4	110	110	ug/Kg
67-72-1	Hexachloroethane	120	U	120	180	240	ug/Kg
98-95-3	Nitrobenzene	130	U	130	180	240	ug/Kg
78-59-1	Isophorone	120	U	120	180	240	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	180	240	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	180	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	180	240	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	180	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	180	240	ug/Kg
65-85-0	Benzoic acid	330	U	330	380	460	ug/Kg
91-20-3	Naphthalene	120	U	120	180	240	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	180	240	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	927-KI-SD-0.5-1.0-080724	SDG No.:	BF081324
Lab Sample ID:	P3512-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.6
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138969.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	380	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	180	240	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	180	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	220	U	220	380	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	99.9	U	99.9	180	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	180	240	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	180	240	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	180	240	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	180	240	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	180	240	ug/Kg
208-96-8	Acenaphthylene	120	U	120	180	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	180	240	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	180	240	ug/Kg
83-32-9	Acenaphthene	110	U	110	180	240	ug/Kg
Total PAH	Total PAH	1850	U	1850	180	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	340	U	340	380	460	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	380	460	ug/Kg
132-64-9	Dibenzofuran	120	U	120	180	240	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	240	U	240	180	480	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	180	240	ug/Kg
84-66-2	Diethylphthalate	110	U	110	180	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	240	ug/Kg
86-73-7	Fluorene	120	U	120	180	240	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	180	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	380	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	180	240	ug/Kg
103-33-3	Azobenzene	110	U	110	180	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	180	240	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	180	240	ug/Kg
1912-24-9	Atrazine	130	U	130	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	927-KI-SD-0.5-1.0-080724	SDG No.:	BF081324
Lab Sample ID:	P3512-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138969.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	380	460	ug/Kg
85-01-8	Phenanthrene	120	U	120	180	240	ug/Kg
120-12-7	Anthracene	120	U	120	180	240	ug/Kg
86-74-8	Carbazole	110	U	110	180	240	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	180	240	ug/Kg
206-44-0	Fluoranthene	110	U	110	180	240	ug/Kg
92-87-5	Benzidine	230	U	230	380	460	ug/Kg
129-00-0	Pyrene	120	U	120	180	240	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	180	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	140	380	460	ug/Kg
56-55-3	Benzo(a)anthracene	110	U	110	180	240	ug/Kg
218-01-9	Chrysene	110	U	110	180	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	180	240	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	380	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	U	110	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	180	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	180	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	180	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	240	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	180	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	180	240	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	105.051		18-112		70	SPK: -150
13127-88-3	Phenol-d6	105.859		15-107		71	SPK: -150
4165-60-0	Nitrobenzene-d5	71.119		18-107		71	SPK: -100
321-60-8	2-Fluorobiphenyl	61.674		20-109		62	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	927-KI-SD-0.5-1.0-080724	SDG No.:	BF081324
Lab Sample ID:	P3512-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138969.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	103.056		10-116		69	SPK: -150
1718-51-0	Terphenyl-d14	65.093		10-105		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	38984	6.839				
1146-65-2	Naphthalene-d8	156731	8.116				
15067-26-2	Acenaphthene-d10	85072	9.869				
1517-22-2	Phenanthrene-d10	134445	11.357				
1719-03-5	Chrysene-d12	70788	13.998				
1520-96-3	Perylene-d12	68600	15.462				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3000	J			2.14	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	A			5.069	
000770-35-4	1-Phenoxypropan-2-ol	150	J			8.433	
	unknown9.963	100	J			9.963	
	unknown10.775	200	J			10.775	
000506-51-4	n-Tetracosanol-1	200	J			13.839	
000593-49-7	Heptacosane	240	J			15.074	
000630-04-6	Hentriacontane	130	J			15.874	

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	927-KI-SD-0.5-1.0-080724MS	SDG No.:	BF081324
Lab Sample ID:	P3512-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138970.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	3200		120	380	460	ug/Kg
110-86-1	Pyridine	2200		110	180	240	ug/Kg
100-52-7	Benzaldehyde	250	U	250	380	460	ug/Kg
62-53-3	Aniline	2400		140	180	240	ug/Kg
108-95-2	Phenol	2900		120	180	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2700		120	180	240	ug/Kg
95-57-8	2-Chlorophenol	2900		120	180	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	2800		120	180	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	2700		120	180	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	2700		120	180	240	ug/Kg
100-51-6	Benzyl Alcohol	3100		120	380	460	ug/Kg
95-48-7	2-Methylphenol	2700		110	180	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2700		130	180	240	ug/Kg
98-86-2	Acetophenone	2800		120	180	240	ug/Kg
65794-96-9	3+4-Methylphenols	2900		110	380	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2900		56.3	110	110	ug/Kg
67-72-1	Hexachloroethane	2800		120	180	240	ug/Kg
98-95-3	Nitrobenzene	2800		130	180	240	ug/Kg
78-59-1	Isophorone	2900		120	180	240	ug/Kg
88-75-5	2-Nitrophenol	2900		130	180	240	ug/Kg
105-67-9	2,4-Dimethylphenol	3100		130	180	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2700		120	180	240	ug/Kg
120-83-2	2,4-Dichlorophenol	2900		110	180	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2800		120	180	240	ug/Kg
65-85-0	Benzoic acid	1800		330	380	460	ug/Kg
91-20-3	Naphthalene	2800		120	180	240	ug/Kg
106-47-8	4-Chloroaniline	1500		120	180	240	ug/Kg
87-68-3	Hexachlorobutadiene	2900		120	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	927-KI-SD-0.5-1.0-080724MS	SDG No.:	BF081324
Lab Sample ID:	P3512-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138970.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	2700		120	380	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2900		110	180	240	ug/Kg
91-57-6	2-Methylnaphthalene	2900		120	180	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5500	E	220	380	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2900		99.7	180	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2800		100	180	240	ug/Kg
92-52-4	1,1-Biphenyl	2700		120	180	240	ug/Kg
91-58-7	2-Chloronaphthalene	2800		120	180	240	ug/Kg
88-74-4	2-Nitroaniline	3100		130	180	240	ug/Kg
131-11-3	Dimethylphthalate	3100		110	180	240	ug/Kg
208-96-8	Acenaphthylene	3100		120	180	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	2900		120	180	240	ug/Kg
99-09-2	3-Nitroaniline	2000		120	180	240	ug/Kg
83-32-9	Acenaphthene	2800		110	180	240	ug/Kg
Total PAH	Total PAH	45200		1850	180	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	4900	E	340	380	460	ug/Kg
100-02-7	4-Nitrophenol	4100	E	160	380	460	ug/Kg
132-64-9	Dibenzofuran	3000		120	180	240	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	5900		240	180	480	ug/Kg
121-14-2	2,4-Dinitrotoluene	3000		120	180	240	ug/Kg
84-66-2	Diethylphthalate	3100		110	180	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	3000		120	180	240	ug/Kg
86-73-7	Fluorene	3000		120	180	240	ug/Kg
100-01-6	4-Nitroaniline	2600		150	180	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3000		160	380	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	3200		110	180	240	ug/Kg
103-33-3	Azobenzene	2900		110	180	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	3100		110	180	240	ug/Kg
118-74-1	Hexachlorobenzene	3000		120	180	240	ug/Kg
1912-24-9	Atrazine	3400		130	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	927-KI-SD-0.5-1.0-080724MS	SDG No.:	BF081324
Lab Sample ID:	P3512-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138970.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3900	E	110	380	460	ug/Kg
85-01-8	Phenanthrene	2900		120	180	240	ug/Kg
120-12-7	Anthracene	3100		120	180	240	ug/Kg
86-74-8	Carbazole	2800		110	180	240	ug/Kg
84-74-2	Di-n-butylphthalate	3300		120	180	240	ug/Kg
206-44-0	Fluoranthene	2700		110	180	240	ug/Kg
92-87-5	Benzidine	2500		230	380	460	ug/Kg
129-00-0	Pyrene	2600		120	180	240	ug/Kg
85-68-7	Butylbenzylphthalate	3200		140	180	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2900		140	380	460	ug/Kg
56-55-3	Benzo(a)anthracene	3100		110	180	240	ug/Kg
218-01-9	Chrysene	3000		110	180	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	3000		130	180	240	ug/Kg
117-84-0	Di-n-octyl phthalate	2900		150	380	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	3100		110	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	3300		120	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	3200		130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2300		110	180	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2300		110	180	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		110	180	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2800		120	180	240	ug/Kg
123-91-1	1,4-Dioxane	2100		150	180	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2800		100	180	240	ug/Kg
90-12-0	1-Methylnaphthalene	2700		120	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	110.245		18-112		73	SPK: -150
13127-88-3	Phenol-d6	113.489		15-107		76	SPK: -150
4165-60-0	Nitrobenzene-d5	75.667		18-107		76	SPK: -100
321-60-8	2-Fluorobiphenyl	66.547		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	927-KI-SD-0.5-1.0-080724MS	SDG No.:	BF081324
Lab Sample ID:	P3512-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138970.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	107.201		10-116		71	SPK: -150
1718-51-0	Terphenyl-d14	64.694		10-105		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	35132	6.84				
1146-65-2	Naphthalene-d8	141264	8.122				
15067-26-2	Acenaphthene-d10	74754	9.875				
1517-22-2	Phenanthrene-d10	115514	11.363				
1719-03-5	Chrysene-d12	61599	13.998				
1520-96-3	Perylene-d12	63687	15.463				

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	927-KI-SD-0.5-1.0-080724MSD	SDG No.:	BF081324
Lab Sample ID:	P3512-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.6
Sample Wt/Vol:	30.1	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
BF138971.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	3100		120	380	460	ug/Kg
110-86-1	Pyridine	2100		110	180	240	ug/Kg
100-52-7	Benzaldehyde	250	U	250	380	460	ug/Kg
62-53-3	Aniline	2300		140	180	240	ug/Kg
108-95-2	Phenol	2600		120	180	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2500		120	180	240	ug/Kg
95-57-8	2-Chlorophenol	2800		120	180	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	2600		120	180	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	2500		120	180	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	2600		120	180	240	ug/Kg
100-51-6	Benzyl Alcohol	2800		120	380	460	ug/Kg
95-48-7	2-Methylphenol	2600		110	180	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2500		130	180	240	ug/Kg
98-86-2	Acetophenone	2600		120	180	240	ug/Kg
65794-96-9	3+4-Methylphenols	2800		110	380	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2800		56.3	110	110	ug/Kg
67-72-1	Hexachloroethane	2700		120	180	240	ug/Kg
98-95-3	Nitrobenzene	2600		130	180	240	ug/Kg
78-59-1	Isophorone	2700		120	180	240	ug/Kg
88-75-5	2-Nitrophenol	2700		130	180	240	ug/Kg
105-67-9	2,4-Dimethylphenol	2900		130	180	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2600		120	180	240	ug/Kg
120-83-2	2,4-Dichlorophenol	2700		110	180	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2600		120	180	240	ug/Kg
65-85-0	Benzoic acid	1800		330	380	460	ug/Kg
91-20-3	Naphthalene	2600		120	180	240	ug/Kg
106-47-8	4-Chloroaniline	1400		120	180	240	ug/Kg
87-68-3	Hexachlorobutadiene	2700		120	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	927-KI-SD-0.5-1.0-080724MSD	SDG No.:	BF081324
Lab Sample ID:	P3512-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.6
Sample Wt/Vol:	30.1 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
BF138971.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	2600		120	380	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2700		110	180	240	ug/Kg
91-57-6	2-Methylnaphthalene	2700		120	180	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4800	E	220	380	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2600		99.7	180	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2600		100	180	240	ug/Kg
92-52-4	1,1-Biphenyl	2400		120	180	240	ug/Kg
91-58-7	2-Chloronaphthalene	2600		120	180	240	ug/Kg
88-74-4	2-Nitroaniline	2800		130	180	240	ug/Kg
131-11-3	Dimethylphthalate	2800		110	180	240	ug/Kg
208-96-8	Acenaphthylene	2800		120	180	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	2600		120	180	240	ug/Kg
99-09-2	3-Nitroaniline	1800		120	180	240	ug/Kg
83-32-9	Acenaphthene	2500		110	180	240	ug/Kg
Total PAH	Total PAH	41400		1850	180	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	4500	E	340	380	460	ug/Kg
100-02-7	4-Nitrophenol	3700		160	380	460	ug/Kg
132-64-9	Dibenzofuran	2700		120	180	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	2700		120	180	240	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	5300		240	180	480	ug/Kg
84-66-2	Diethylphthalate	2800		110	180	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2700		120	180	240	ug/Kg
86-73-7	Fluorene	2700		120	180	240	ug/Kg
100-01-6	4-Nitroaniline	2400		150	180	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2700		160	380	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2900		110	180	240	ug/Kg
103-33-3	Azobenzene	2700		110	180	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2900		110	180	240	ug/Kg
118-74-1	Hexachlorobenzene	2800		120	180	240	ug/Kg
1912-24-9	Atrazine	3200		130	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	927-KI-SD-0.5-1.0-080724MSD	SDG No.:	BF081324
Lab Sample ID:	P3512-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.6
Sample Wt/Vol:	30.1 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
BF138971.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3700		110	380	460	ug/Kg
85-01-8	Phenanthrene	2800		120	180	240	ug/Kg
120-12-7	Anthracene	2900		120	180	240	ug/Kg
86-74-8	Carbazole	2600		110	180	240	ug/Kg
84-74-2	Di-n-butylphthalate	3100		120	180	240	ug/Kg
206-44-0	Fluoranthene	2600		110	180	240	ug/Kg
92-87-5	Benzidine	2400		230	380	460	ug/Kg
129-00-0	Pyrene	2400		120	180	240	ug/Kg
85-68-7	Butylbenzylphthalate	2900		140	180	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2700		140	380	460	ug/Kg
56-55-3	Benzo(a)anthracene	2700		110	180	240	ug/Kg
218-01-9	Chrysene	2700		110	180	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2800		130	180	240	ug/Kg
117-84-0	Di-n-octyl phthalate	2600		150	380	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	2800		110	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	3000		120	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	2900		130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100		110	180	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2100		110	180	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		110	180	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2500		120	180	240	ug/Kg
123-91-1	1,4-Dioxane	2000		150	180	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2400		100	180	240	ug/Kg
90-12-0	1-Methylnaphthalene	2500		120	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	104.921		18-112		70	SPK: -150
13127-88-3	Phenol-d6	107.129		15-107		71	SPK: -150
4165-60-0	Nitrobenzene-d5	70.607		18-107		71	SPK: -100
321-60-8	2-Fluorobiphenyl	59.991		20-109		60	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	927-KI-SD-0.5-1.0-080724MSD	SDG No.:	BF081324
Lab Sample ID:	P3512-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.6
Sample Wt/Vol:	30.1 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
BF138971.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	95.477		10-116		64	SPK: -150
1718-51-0	Terphenyl-d14	60.276		10-105		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	37125	6.839				
1146-65-2	Naphthalene-d8	150683	8.122				
15067-26-2	Acenaphthene-d10	82249	9.875				
1517-22-2	Phenanthrene-d10	123244	11.363				
1719-03-5	Chrysene-d12	66622	14.004				
1520-96-3	Perylene-d12	68010	15.462				

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-12-080624	SDG No.:	BF081324
Lab Sample ID:	P3520-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.6
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
BF138972.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	91.7	U	91.7	290	350	ug/Kg
110-86-1	Pyridine	84.4	U	84.4	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	290	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	87.6	U	87.6	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.4	U	88.4	140	180	ug/Kg
95-57-8	2-Chlorophenol	88.2	U	88.2	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	89.4	U	89.4	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	90.8	U	90.8	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	91.4	U	91.4	140	180	ug/Kg
100-51-6	Benzyl Alcohol	87.7	U	87.7	290	350	ug/Kg
95-48-7	2-Methylphenol	85.1	U	85.1	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96	U	96	140	180	ug/Kg
98-86-2	Acetophenone	91.8	U	91.8	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	84.3	U	84.3	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.6	U	42.6	84.5	84.5	ug/Kg
67-72-1	Hexachloroethane	87.7	U	87.7	140	180	ug/Kg
98-95-3	Nitrobenzene	95.9	U	95.9	140	180	ug/Kg
78-59-1	Isophorone	89.4	U	89.4	140	180	ug/Kg
88-75-5	2-Nitrophenol	99.8	U	99.8	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	98.4	U	98.4	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.6	U	90.6	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.7	U	79.7	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	90.2	U	90.2	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	290	350	ug/Kg
91-20-3	Naphthalene	87.2	U	87.2	140	180	ug/Kg
106-47-8	4-Chloroaniline	87.2	U	87.2	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	88	U	88	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-12-080624	SDG No.:	BF081324
Lab Sample ID:	P3520-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.6
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
BF138972.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	91.7	U	91.7	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	81.9	U	81.9	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.1	U	87.1	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.4	U	75.4	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.2	U	78.2	140	180	ug/Kg
92-52-4	1,1-Biphenyl	92.3	U	92.3	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	88	U	88	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	86.3	U	86.3	140	180	ug/Kg
208-96-8	Acenaphthylene	91.4	U	91.4	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.9	U	87.9	140	180	ug/Kg
99-09-2	3-Nitroaniline	94.2	U	94.2	140	180	ug/Kg
83-32-9	Acenaphthene	85.7	U	85.7	140	180	ug/Kg
Total PAH	Total PAH	1399.6	U	1399.6	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	89.1	U	89.1	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	78.9	U	178.9	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	91	U	91	140	180	ug/Kg
84-66-2	Diethylphthalate	84.6	U	84.6	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.4	U	90.4	140	180	ug/Kg
86-73-7	Fluorene	90.3	U	90.3	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.2	U	86.2	140	180	ug/Kg
103-33-3	Azobenzene	84.1	U	84.1	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.3	U	83.3	140	180	ug/Kg
118-74-1	Hexachlorobenzene	89.8	U	89.8	140	180	ug/Kg
1912-24-9	Atrazine	96.5	U	96.5	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-12-080624	SDG No.:	BF081324
Lab Sample ID:	P3520-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.6
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
BF138972.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	81.6	U	81.6	290	350	ug/Kg
85-01-8	Phenanthrene	88.7	U	88.7	140	180	ug/Kg
120-12-7	Anthracene	89.1	U	89.1	140	180	ug/Kg
86-74-8	Carbazole	84.8	U	84.8	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	89	U	89	140	180	ug/Kg
206-44-0	Fluoranthene	86.3	U	86.3	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	87.7	U	87.7	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	85.2	U	85.2	140	180	ug/Kg
218-01-9	Chrysene	84	U	84	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.1	U	96.1	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.7	U	85.7	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	87.2	U	87.2	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	98.2	U	98.2	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.5	U	82.5	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85.8	U	85.8	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	84.6	U	84.6	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.7	U	91.7	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	78.9	U	78.9	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	87.9	U	87.9	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	56.629		18-112		38	SPK: -150
13127-88-3	Phenol-d6	57.726		15-107		38	SPK: -150
4165-60-0	Nitrobenzene-d5	40.823		18-107		41	SPK: -100
321-60-8	2-Fluorobiphenyl	42.538		20-109		43	SPK: -100

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-12-080624	SDG No.:	BF081324
Lab Sample ID:	P3520-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.6
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
BF138972.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	55.44		10-116		37	SPK: -150
1718-51-0	Terphenyl-d14	46.317		10-105		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	38006	6.84				
1146-65-2	Naphthalene-d8	155621	8.116				
15067-26-2	Acenaphthene-d10	84542	9.869				
1517-22-2	Phenanthrene-d10	133895	11.357				
1719-03-5	Chrysene-d12	68546	13.998				
1520-96-3	Perylene-d12	65747	15.462				

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-01-080624	SDG No.:	BF081324
Lab Sample ID:	P3520-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.6
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
BF138973.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	90.9	U	90.9	280	350	ug/Kg
110-86-1	Pyridine	83.7	U	83.7	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	280	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	86.8	U	86.8	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	87.6	U	87.6	140	180	ug/Kg
95-57-8	2-Chlorophenol	87.4	U	87.4	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	88.6	U	88.6	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	90.1	U	90.1	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	90.6	U	90.6	140	180	ug/Kg
100-51-6	Benzyl Alcohol	86.9	U	86.9	280	350	ug/Kg
95-48-7	2-Methylphenol	84.4	U	84.4	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	95.2	U	95.2	140	180	ug/Kg
98-86-2	Acetophenone	91	U	91	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	83.6	U	83.6	280	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.2	U	42.2	83.8	83.8	ug/Kg
67-72-1	Hexachloroethane	86.9	U	86.9	140	180	ug/Kg
98-95-3	Nitrobenzene	95.1	U	95.1	140	180	ug/Kg
78-59-1	Isophorone	88.6	U	88.6	140	180	ug/Kg
88-75-5	2-Nitrophenol	99	U	99	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	97.6	U	97.6	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	89.8	U	89.8	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.1	U	79.1	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	89.4	U	89.4	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	280	350	ug/Kg
91-20-3	Naphthalene	86.5	U	86.5	140	180	ug/Kg
106-47-8	4-Chloroaniline	86.5	U	86.5	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	87.2	U	87.2	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-01-080624	SDG No.:	BF081324
Lab Sample ID:	P3520-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.6
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
BF138973.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	90.9	U	90.9	280	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	81.2	U	81.2	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	86.4	U	86.4	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	280	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	74.8	U	74.8	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77.5	U	77.5	140	180	ug/Kg
92-52-4	1,1-Biphenyl	91.5	U	91.5	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	87.2	U	87.2	140	180	ug/Kg
88-74-4	2-Nitroaniline	99.5	U	99.5	140	180	ug/Kg
131-11-3	Dimethylphthalate	85.6	U	85.6	140	180	ug/Kg
208-96-8	Acenaphthylene	90.6	U	90.6	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.1	U	87.1	140	180	ug/Kg
99-09-2	3-Nitroaniline	93.4	U	93.4	140	180	ug/Kg
83-32-9	Acenaphthene	84.9	U	84.9	140	180	ug/Kg
Total PAH	Total PAH	1387.7	U	1387.7	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	280	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	280	350	ug/Kg
132-64-9	Dibenzofuran	88.4	U	88.4	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	77.4	U	177.4	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	90.3	U	90.3	140	180	ug/Kg
84-66-2	Diethylphthalate	83.9	U	83.9	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	89.6	U	89.6	140	180	ug/Kg
86-73-7	Fluorene	89.5	U	89.5	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	280	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.4	U	85.4	140	180	ug/Kg
103-33-3	Azobenzene	83.4	U	83.4	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	82.6	U	82.6	140	180	ug/Kg
118-74-1	Hexachlorobenzene	89	U	89	140	180	ug/Kg
1912-24-9	Atrazine	95.7	U	95.7	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-01-080624	SDG No.:	BF081324
Lab Sample ID:	P3520-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.6
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
BF138973.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	80.9	U	80.9	280	350	ug/Kg
85-01-8	Phenanthrene	88	U	88	140	180	ug/Kg
120-12-7	Anthracene	88.4	U	88.4	140	180	ug/Kg
86-74-8	Carbazole	84.1	U	84.1	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	88.3	U	88.3	140	180	ug/Kg
206-44-0	Fluoranthene	85.6	U	85.6	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	280	350	ug/Kg
129-00-0	Pyrene	86.9	U	86.9	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	280	350	ug/Kg
56-55-3	Benzo(a)anthracene	84.5	U	84.5	140	180	ug/Kg
218-01-9	Chrysene	83.3	U	83.3	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.3	U	95.3	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	280	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	84.9	U	84.9	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	86.5	U	86.5	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	97.4	U	97.4	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	81.8	U	81.8	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85	U	85	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	83.9	U	83.9	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	90.9	U	90.9	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	78.2	U	78.2	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	87.1	U	87.1	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.872		18-112		63	SPK: -150
13127-88-3	Phenol-d6	94.392		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	64.837		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	66.537		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-01-080624	SDG No.:	BF081324
Lab Sample ID:	P3520-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.6
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
BF138973.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	93.779		10-116		63	SPK: -150
1718-51-0	Terphenyl-d14	77.04		10-105		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	39080	6.84				
1146-65-2	Naphthalene-d8	155645	8.116				
15067-26-2	Acenaphthene-d10	86104	9.869				
1517-22-2	Phenanthrene-d10	134801	11.357				
1719-03-5	Chrysene-d12	69021	13.998				
1520-96-3	Perylene-d12	66827	15.463				

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-57S-01-080624	SDG No.:	BF081324
Lab Sample ID:	P3520-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0.8
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138974.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	87.4	U	87.4	270	330	ug/Kg
110-86-1	Pyridine	80.4	U	80.4	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	97.6	U	97.6	130	170	ug/Kg
108-95-2	Phenol	83.5	U	83.5	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	84.3	U	84.3	130	170	ug/Kg
95-57-8	2-Chlorophenol	84.1	U	84.1	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	85.2	U	85.2	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86.6	U	86.6	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	87.1	U	87.1	130	170	ug/Kg
100-51-6	Benzyl Alcohol	83.6	U	83.6	270	330	ug/Kg
95-48-7	2-Methylphenol	81.1	U	81.1	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	91.5	U	91.5	130	170	ug/Kg
98-86-2	Acetophenone	87.5	U	87.5	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	80.3	U	80.3	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.6	U	40.6	80.5	80.5	ug/Kg
67-72-1	Hexachloroethane	83.6	U	83.6	130	170	ug/Kg
98-95-3	Nitrobenzene	91.4	U	91.4	130	170	ug/Kg
78-59-1	Isophorone	85.2	U	85.2	130	170	ug/Kg
88-75-5	2-Nitrophenol	95.1	U	95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.8	U	93.8	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	86.4	U	86.4	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	76	U	76	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	86	U	86	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	83.2	U	83.2	130	170	ug/Kg
106-47-8	4-Chloroaniline	83.2	U	83.2	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.9	U	83.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-57S-01-080624	SDG No.:	BF081324
Lab Sample ID:	P3520-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0.8
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138974.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	87.4	U	87.4	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	78	U	78	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	83.1	U	83.1	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.9	U	71.9	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.5	U	74.5	130	170	ug/Kg
92-52-4	1,1-Biphenyl	88	U	88	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.9	U	83.9	130	170	ug/Kg
88-74-4	2-Nitroaniline	95.6	U	95.6	130	170	ug/Kg
131-11-3	Dimethylphthalate	82.2	U	82.2	130	170	ug/Kg
208-96-8	Acenaphthylene	87.1	U	87.1	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.8	U	83.8	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.8	U	89.8	130	170	ug/Kg
83-32-9	Acenaphthene	81.6	U	81.6	130	170	ug/Kg
Total PAH	Total PAH	1333.9	U	1333.9	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	85	U	85	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	70.6	U	170.6	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.8	U	86.8	130	170	ug/Kg
84-66-2	Diethylphthalate	80.6	U	80.6	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	86.2	U	86.2	130	170	ug/Kg
86-73-7	Fluorene	86.1	U	86.1	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	82.1	U	82.1	130	170	ug/Kg
103-33-3	Azobenzene	80.1	U	80.1	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	79.4	U	79.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85.6	U	85.6	130	170	ug/Kg
1912-24-9	Atrazine	92	U	92	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-57S-01-080624	SDG No.:	BF081324
Lab Sample ID:	P3520-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138974.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.8	U	77.8	270	330	ug/Kg
85-01-8	Phenanthrene	84.6	U	84.6	130	170	ug/Kg
120-12-7	Anthracene	85	U	85	130	170	ug/Kg
86-74-8	Carbazole	80.8	U	80.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.9	U	84.9	130	170	ug/Kg
206-44-0	Fluoranthene	82.2	U	82.2	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83.6	U	83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	97.5	U	97.5	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	99.3	U	99.3	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	81.2	U	81.2	130	170	ug/Kg
218-01-9	Chrysene	80	U	80	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91.6	U	91.6	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.6	U	81.6	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	83.2	U	83.2	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.6	U	93.6	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.6	U	78.6	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.7	U	81.7	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.6	U	80.6	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	87.4	U	87.4	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	75.2	U	75.2	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.8	U	83.8	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	82.383		18-112		55	SPK: -150
13127-88-3	Phenol-d6	83.155		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	57.503		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	60.693		20-109		61	SPK: -100

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-57S-01-080624	SDG No.:	BF081324
Lab Sample ID:	P3520-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138974.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162605

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	79.925		10-116		53	SPK: -150
1718-51-0	Terphenyl-d14	69.153		10-105		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	36727	6.84				
1146-65-2	Naphthalene-d8	148191	8.116				
15067-26-2	Acenaphthene-d10	80018	9.869				
1517-22-2	Phenanthrene-d10	124918	11.357				
1719-03-5	Chrysene-d12	64213	13.998				
1520-96-3	Perylene-d12	61942	15.463				

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-01-080724	SDG No.:	BF081324
Lab Sample ID:	P3519-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.2
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
BF138975.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	93.4	U	93.4	290	360	ug/Kg
110-86-1	Pyridine	86	U	86	140	180	ug/Kg
100-52-7	Benzaldehyde	200	U	200	290	360	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	89.2	U	89.2	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	90.1	U	90.1	140	180	ug/Kg
95-57-8	2-Chlorophenol	89.9	U	89.9	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	91.1	U	91.1	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	92.6	U	92.6	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	93.1	U	93.1	140	180	ug/Kg
100-51-6	Benzyl Alcohol	89.4	U	89.4	290	360	ug/Kg
95-48-7	2-Methylphenol	86.8	U	86.8	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.9	U	97.9	140	180	ug/Kg
98-86-2	Acetophenone	93.5	U	93.5	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.9	U	85.9	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.4	U	43.4	86.1	86.1	ug/Kg
67-72-1	Hexachloroethane	89.4	U	89.4	140	180	ug/Kg
98-95-3	Nitrobenzene	97.7	U	97.7	140	180	ug/Kg
78-59-1	Isophorone	91.1	U	91.1	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	92.4	U	92.4	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	81.3	U	81.3	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91.9	U	91.9	140	180	ug/Kg
65-85-0	Benzoic acid	260	U	260	290	360	ug/Kg
91-20-3	Naphthalene	88.9	U	88.9	140	180	ug/Kg
106-47-8	4-Chloroaniline	88.9	U	88.9	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.7	U	89.7	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-01-080724	SDG No.:	BF081324
Lab Sample ID:	P3519-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.2
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
BF138975.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	93.4	U	93.4	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	83.4	U	83.4	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.8	U	88.8	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.9	U	76.9	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.7	U	79.7	140	180	ug/Kg
92-52-4	1,1-Biphenyl	94.1	U	94.1	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.7	U	89.7	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	88	U	88	140	180	ug/Kg
208-96-8	Acenaphthylene	93.1	U	93.1	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.6	U	89.6	140	180	ug/Kg
99-09-2	3-Nitroaniline	96	U	96	140	180	ug/Kg
83-32-9	Acenaphthene	87.3	U	87.3	140	180	ug/Kg
Total PAH	Total PAH	1426.4	U	1426.4	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	360	ug/Kg
132-64-9	Dibenzofuran	90.9	U	90.9	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	182.4	U	182.4	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.8	U	92.8	140	180	ug/Kg
84-66-2	Diethylphthalate	86.2	U	86.2	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	92.1	U	92.1	140	180	ug/Kg
86-73-7	Fluorene	92	U	92	140	180	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.8	U	87.8	140	180	ug/Kg
103-33-3	Azobenzene	85.7	U	85.7	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.9	U	84.9	140	180	ug/Kg
118-74-1	Hexachlorobenzene	91.5	U	91.5	140	180	ug/Kg
1912-24-9	Atrazine	98.4	U	98.4	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-01-080724	SDG No.:	BF081324
Lab Sample ID:	P3519-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.2
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
BF138975.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	83.2	U	83.2	290	360	ug/Kg
85-01-8	Phenanthrene	90.4	U	90.4	140	180	ug/Kg
120-12-7	Anthracene	90.9	U	90.9	140	180	ug/Kg
86-74-8	Carbazole	86.4	U	86.4	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.7	U	90.7	140	180	ug/Kg
206-44-0	Fluoranthene	88	U	88	140	180	ug/Kg
92-87-5	Benzidine	180	U	180	290	360	ug/Kg
129-00-0	Pyrene	89.4	U	89.4	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	86.9	U	86.9	140	180	ug/Kg
218-01-9	Chrysene	85.6	U	85.6	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	98	U	98	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	87.3	U	87.3	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.9	U	88.9	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84.1	U	84.1	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	87.4	U	87.4	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	86.2	U	86.2	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93.4	U	93.4	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	80.4	U	80.4	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	89.6	U	89.6	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	140.037		18-112		93	SPK: -150
13127-88-3	Phenol-d6	139.62		15-107		93	SPK: -150
4165-60-0	Nitrobenzene-d5	94.603		18-107		95	SPK: -100
321-60-8	2-Fluorobiphenyl	92.032		20-109		92	SPK: -100

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-01-080724	SDG No.:	BF081324
Lab Sample ID:	P3519-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.2
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
BF138975.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	135.477		10-116		90	SPK: -150
1718-51-0	Terphenyl-d14	95.197		10-105		95	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	40794	6.84				
1146-65-2	Naphthalene-d8	169183	8.116				
15067-26-2	Acenaphthene-d10	90198	9.869				
1517-22-2	Phenanthrene-d10	137198	11.357				
1719-03-5	Chrysene-d12	69101	13.998				
1520-96-3	Perylene-d12	67539	15.463				

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-01-080724MS	SDG No.:	BF081324
Lab Sample ID:	P3519-17MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.2
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
BF138976.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2300		93.5	290	360	ug/Kg
110-86-1	Pyridine	1600		86.1	140	180	ug/Kg
100-52-7	Benzaldehyde	200	U	200	290	360	ug/Kg
62-53-3	Aniline	1600		100	140	180	ug/Kg
108-95-2	Phenol	2000		89.3	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		90.2	140	180	ug/Kg
95-57-8	2-Chlorophenol	2000		89.9	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	2000		91.1	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	1900		92.6	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	1900		93.2	140	180	ug/Kg
100-51-6	Benzyl Alcohol	2100		89.4	290	360	ug/Kg
95-48-7	2-Methylphenol	2000		86.8	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		97.9	140	180	ug/Kg
98-86-2	Acetophenone	1900		93.6	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	2000		86	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2100		43.4	86.2	86.2	ug/Kg
67-72-1	Hexachloroethane	1900		89.4	140	180	ug/Kg
98-95-3	Nitrobenzene	1900		97.8	140	180	ug/Kg
78-59-1	Isophorone	2000		91.1	140	180	ug/Kg
88-75-5	2-Nitrophenol	2000		100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		100	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1900		92.4	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		81.3	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1900		92	140	180	ug/Kg
65-85-0	Benzoic acid	1000		260	290	360	ug/Kg
91-20-3	Naphthalene	1900		89	140	180	ug/Kg
106-47-8	4-Chloroaniline	950		89	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	2000		89.7	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-01-080724MS	SDG No.:	BF081324
Lab Sample ID:	P3519-17MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.2
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
BF138976.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1900		93.5	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2000		83.5	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	2000		88.9	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3500	E	170	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		76.9	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		79.7	140	180	ug/Kg
92-52-4	1,1-Biphenyl	1800		94.1	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	1900		89.7	140	180	ug/Kg
88-74-4	2-Nitroaniline	2100		100	140	180	ug/Kg
131-11-3	Dimethylphthalate	2100		88	140	180	ug/Kg
208-96-8	Acenaphthylene	2100		93.2	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		89.6	140	180	ug/Kg
99-09-2	3-Nitroaniline	1300		96.1	140	180	ug/Kg
83-32-9	Acenaphthene	1900		87.4	140	180	ug/Kg
Total PAH	Total PAH	29900		1427.3	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	3000	E	260	290	360	ug/Kg
100-02-7	4-Nitrophenol	2700		120	290	360	ug/Kg
132-64-9	Dibenzofuran	2000		90.9	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		92.9	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4000		182.5	140	360	ug/Kg
84-66-2	Diethylphthalate	2100		86.3	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2000		92.2	140	180	ug/Kg
86-73-7	Fluorene	2000		92.1	140	180	ug/Kg
100-01-6	4-Nitroaniline	1800		120	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		130	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2100		87.9	140	180	ug/Kg
103-33-3	Azobenzene	2000		85.7	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		85	140	180	ug/Kg
118-74-1	Hexachlorobenzene	2000		91.6	140	180	ug/Kg
1912-24-9	Atrazine	2400		98.5	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-01-080724MS	SDG No.:	BF081324
Lab Sample ID:	P3519-17MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.2
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
BF138976.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2400		83.3	290	360	ug/Kg
85-01-8	Phenanthrene	2000		90.5	140	180	ug/Kg
120-12-7	Anthracene	2100		90.9	140	180	ug/Kg
86-74-8	Carbazole	1900		86.5	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	2200		90.8	140	180	ug/Kg
206-44-0	Fluoranthene	1800		88	140	180	ug/Kg
92-87-5	Benzidine	1600		180	290	360	ug/Kg
129-00-0	Pyrene	1700		89.4	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	2200		100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1800		110	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	2000		86.9	140	180	ug/Kg
218-01-9	Chrysene	2000		85.6	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		98	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		120	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		87.4	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	2300		89	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	2100		100	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		84.1	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		87.5	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		86.3	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		93.5	140	180	ug/Kg
123-91-1	1,4-Dioxane	1600		120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		80.5	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	1800		89.6	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	130.469		18-112		87	SPK: -150
13127-88-3	Phenol-d6	131.046		15-107		87	SPK: -150
4165-60-0	Nitrobenzene-d5	89.933		18-107		90	SPK: -100
321-60-8	2-Fluorobiphenyl	88.368		20-109		88	SPK: -100

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-01-080724MS	SDG No.:	BF081324
Lab Sample ID:	P3519-17MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.2
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
BF138976.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	128.535		10-116		86	SPK: -150
1718-51-0	Terphenyl-d14	83.742		10-105		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	37456	6.839				
1146-65-2	Naphthalene-d8	154486	8.122				
15067-26-2	Acenaphthene-d10	82532	9.874				
1517-22-2	Phenanthrene-d10	128981	11.363				
1719-03-5	Chrysene-d12	66029	13.998				
1520-96-3	Perylene-d12	66832	15.462				

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-01-080724MSD	SDG No.:	BF081324
Lab Sample ID:	P3519-17MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138977.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2300		93.3	290	350	ug/Kg
110-86-1	Pyridine	1600		85.9	140	180	ug/Kg
100-52-7	Benzaldehyde	200	U	200	290	350	ug/Kg
62-53-3	Aniline	1600		100	140	180	ug/Kg
108-95-2	Phenol	2000		89.1	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		90	140	180	ug/Kg
95-57-8	2-Chlorophenol	2000		89.7	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	2000		90.9	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	1900		92.4	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	1900		93	140	180	ug/Kg
100-51-6	Benzyl Alcohol	2100		89.2	290	350	ug/Kg
95-48-7	2-Methylphenol	1900		86.6	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		97.7	140	180	ug/Kg
98-86-2	Acetophenone	1900		93.4	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	2000		85.8	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2100		43.3	86	86	ug/Kg
67-72-1	Hexachloroethane	2000		89.2	140	180	ug/Kg
98-95-3	Nitrobenzene	1900		97.6	140	180	ug/Kg
78-59-1	Isophorone	2000		90.9	140	180	ug/Kg
88-75-5	2-Nitrophenol	2100		100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2200		100	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1900		92.2	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		81.1	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2000		91.8	140	180	ug/Kg
65-85-0	Benzoic acid	1300		250	290	350	ug/Kg
91-20-3	Naphthalene	1900		88.8	140	180	ug/Kg
106-47-8	4-Chloroaniline	960		88.8	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	2000		89.5	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-01-080724MSD	SDG No.:	BF081324
Lab Sample ID:	P3519-17MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138977.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1900		93.3	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2100		83.3	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	2000		88.7	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3500	E	170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		76.7	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		79.5	140	180	ug/Kg
92-52-4	1,1-Biphenyl	1800		93.9	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	2000		89.5	140	180	ug/Kg
88-74-4	2-Nitroaniline	2100		100	140	180	ug/Kg
131-11-3	Dimethylphthalate	2100		87.8	140	180	ug/Kg
208-96-8	Acenaphthylene	2100		93	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		89.4	140	180	ug/Kg
99-09-2	3-Nitroaniline	1400		95.9	140	180	ug/Kg
83-32-9	Acenaphthene	1900		87.2	140	180	ug/Kg
Total PAH	Total PAH	30400		1424.2	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	2900	E	120	290	350	ug/Kg
132-64-9	Dibenzofuran	2000		90.7	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		92.6	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4100		182	140	360	ug/Kg
84-66-2	Diethylphthalate	2200		86.1	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2000		92	140	180	ug/Kg
86-73-7	Fluorene	2000		91.9	140	180	ug/Kg
100-01-6	4-Nitroaniline	1900		110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		130	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2200		87.7	140	180	ug/Kg
103-33-3	Azobenzene	2000		85.5	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2100		84.8	140	180	ug/Kg
118-74-1	Hexachlorobenzene	2100		91.4	140	180	ug/Kg
1912-24-9	Atrazine	2500		98.2	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-01-080724MSD	SDG No.:	BF081324
Lab Sample ID:	P3519-17MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138977.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2600		83.1	290	350	ug/Kg
85-01-8	Phenanthrene	2100		90.3	140	180	ug/Kg
120-12-7	Anthracene	2200		90.7	140	180	ug/Kg
86-74-8	Carbazole	2000		86.3	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	2300		90.6	140	180	ug/Kg
206-44-0	Fluoranthene	1900		87.8	140	180	ug/Kg
92-87-5	Benzidine	1600		180	290	350	ug/Kg
129-00-0	Pyrene	1700		89.2	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	2200		100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1900		110	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	2000		86.7	140	180	ug/Kg
218-01-9	Chrysene	2000		85.4	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		97.8	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	2100		87.2	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	2300		88.8	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	2200		99.9	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		83.9	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		87.3	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		86.1	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		93.3	140	180	ug/Kg
123-91-1	1,4-Dioxane	1600		120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2000		80.3	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	1900		89.4	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	131.485		18-112		88	SPK: -150
13127-88-3	Phenol-d6	130.699		15-107		87	SPK: -150
4165-60-0	Nitrobenzene-d5	92.282		18-107		92	SPK: -100
321-60-8	2-Fluorobiphenyl	88.653		20-109		89	SPK: -100

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-01-080724MSD	SDG No.:	BF081324
Lab Sample ID:	P3519-17MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138977.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	130.841		10-116		87	SPK: -150
1718-51-0	Terphenyl-d14	84.272		10-105		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	39027	6.84				
1146-65-2	Naphthalene-d8	154958	8.122				
15067-26-2	Acenaphthene-d10	83209	9.875				
1517-22-2	Phenanthrene-d10	127552	11.363				
1719-03-5	Chrysene-d12	70622	14.004				
1520-96-3	Perylene-d12	68420	15.463				

Report of Analysis

Client:		Date Collected:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162660BL	SDG No.:	BF081324
Lab Sample ID:	PB162660BL	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
BF138981.D	1	8/10/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162660

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:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162660BL	SDG No.:	BF081324
Lab Sample ID:	PB162660BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	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
BF138981.D	1	8/10/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162660

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:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162660BL	SDG No.:	BF081324
Lab Sample ID:	PB162660BL	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
BF138981.D	1	8/10/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162660

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	166.724		10-139		111	SPK: -150
13127-88-3	Phenol-d6	163.89		10-134		109	SPK: -150
4165-60-0	Nitrobenzene-d5	111.185		49-133		111	SPK: -100
321-60-8	2-Fluorobiphenyl	111.806		52-132		112	SPK: -100

Report of Analysis

Client:		Date Collected:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162660BL	SDG No.:	BF081324
Lab Sample ID:	PB162660BL	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
BF138981.D	1	8/10/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162660

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	165.17		44-137		110	SPK: -150
1718-51-0	Terphenyl-d14	147.557	*	48-125		148	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	42604	6.839				
1146-65-2	Naphthalene-d8	177345	8.116				
15067-26-2	Acenaphthene-d10	101526	9.869				
1517-22-2	Phenanthrene-d10	180088	11.357				
1719-03-5	Chrysene-d12	84713	13.998				
1520-96-3	Perylene-d12	66354	15.468				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3	J			2.216	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	17.8	A			5.087	

Report of Analysis

Client:		Date Collected:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162660BS	SDG No.:	BF081324
Lab Sample ID:	PB162660BS	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
BF138982.D	1	8/10/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162660

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	53		1	8	10	ug/L
110-86-1	Pyridine	32.6		1.6	4	5	ug/L
100-52-7	Benzaldehyde	31.3		4	8	10	ug/L
62-53-3	Aniline	32		1.6	4	5	ug/L
108-95-2	Phenol	46.7		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.8		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	47.6		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	45.5		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	44.3		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	44.8		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	50.5		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	44.4		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	48.9		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	48.5		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	45.7		1	4	5	ug/L
98-95-3	Nitrobenzene	44.3		1.3	4	5	ug/L
78-59-1	Isophorone	46.4		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	47.7		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	50.2		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.4		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	47.6		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	44.9		1.1	4	5	ug/L
65-85-0	Benzoic acid	29.1		5.5	8	10	ug/L
91-20-3	Naphthalene	44.4		1	4	5	ug/L
106-47-8	4-Chloroaniline	20.1		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	45.2		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162660BS	SDG No.:	BF081324
Lab Sample ID:	PB162660BS	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
BF138982.D	1	8/10/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162660

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	44.7		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	48.3		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	46.4		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	97.5	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	45.1		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	44		1	4	5	ug/L
92-52-4	1,1-Biphenyl	41.9		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	44.1		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	48.2		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	49.2		0.93	4	5	ug/L
208-96-8	Acenaphthylene	49.2		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	47		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	30.7		1.4	4	5	ug/L
83-32-9	Acenaphthene	44.6		0.81	4	5	ug/L
Total PAH	Total PAH	747.2		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	77.3		6.4	8	10	ug/L
100-02-7	4-Nitrophenol	61		2	8	10	ug/L
132-64-9	Dibenzofuran	47.2		0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	48.9		1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	95.9		2.7	4	10	ug/L
84-66-2	Diethylphthalate	51.3		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	47.4		0.98	4	5	ug/L
86-73-7	Fluorene	48		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	41.4		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	45.2		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	48.3		0.89	4	5	ug/L
103-33-3	Azobenzene	48		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	46.7		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	46.5		1.1	4	5	ug/L
1912-24-9	Atrazine	55.3		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162660BS	SDG No.:	BF081324
Lab Sample ID:	PB162660BS	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
BF138982.D	1	8/10/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162660

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	65.5		1.9	8	10	ug/L
85-01-8	Phenanthrene	48.5		0.89	4	5	ug/L
120-12-7	Anthracene	49.5		1.1	4	5	ug/L
86-74-8	Carbazole	45.1		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	55.8		1.5	4	5	ug/L
206-44-0	Fluoranthene	46.4		1.3	4	5	ug/L
92-87-5	Benzidine	13.6		4.1	8	10	ug/L
129-00-0	Pyrene	45.6		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	53.2		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	36.5		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	47.1		0.94	4	5	ug/L
218-01-9	Chrysene	47.9		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48.5		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	41.9		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	47.9		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	57.7		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	53.3		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	41.3		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	40.5		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	35.3		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.9		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	30.3		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	47.9		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	43.2		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	130.056		10-139		87	SPK: -150
13127-88-3	Phenol-d6	128.309		10-134		86	SPK: -150
4165-60-0	Nitrobenzene-d5	86.286		49-133		86	SPK: -100
321-60-8	2-Fluorobiphenyl	87.896		52-132		88	SPK: -100

Report of Analysis

Client:		Date Collected:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162660BS	SDG No.:	BF081324
Lab Sample ID:	PB162660BS	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
BF138982.D	1	8/10/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162660

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	133.668		44-137		89	SPK: -150
1718-51-0	Terphenyl-d14	105.704		48-125		106	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	52490	6.84				
1146-65-2	Naphthalene-d8	219450	8.122				
15067-26-2	Acenaphthene-d10	121118	9.875				
1517-22-2	Phenanthrene-d10	201290	11.363				
1719-03-5	Chrysene-d12	101195	14.004				
1520-96-3	Perylene-d12	94247	15.463				

Report of Analysis

Client:		Date Collected:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162621TB	SDG No.:	BF081324
Lab Sample ID:	PB162621TB	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
BF138983.D	1	8/10/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162660

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:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162621TB	SDG No.:	BF081324
Lab Sample ID:	PB162621TB	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
BF138983.D	1	8/10/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162660

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:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162621TB	SDG No.:	BF081324
Lab Sample ID:	PB162621TB	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
BF138983.D	1	8/10/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162660

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	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	164.785		10-139		110	SPK: -150
13127-88-3	Phenol-d6	163.335		10-134		109	SPK: -150
4165-60-0	Nitrobenzene-d5	111.333		49-133		111	SPK: -100
321-60-8	2-Fluorobiphenyl	110.945		52-132		111	SPK: -100

Report of Analysis

Client:		Date Collected:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162621TB	SDG No.:	BF081324
Lab Sample ID:	PB162621TB	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
BF138983.D	1	8/10/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162660

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	159.679		44-137		106	SPK: -150
1718-51-0	Terphenyl-d14	146.389	*	48-125		146	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	41160	6.839				
1146-65-2	Naphthalene-d8	171146	8.116				
15067-26-2	Acenaphthene-d10	98281	9.869				
1517-22-2	Phenanthrene-d10	176243	11.357				
1719-03-5	Chrysene-d12	83366	13.998				
1520-96-3	Perylene-d12	66788	15.468				

Report of Analysis

Client:		Date Collected:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162639BS	SDG No.:	BF081324
Lab Sample ID:	PB162639BS	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
BF138984.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	59.4		1	8	10	ug/L
110-86-1	Pyridine	40.3		1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	45.3		1.6	4	5	ug/L
108-95-2	Phenol	53.9		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	50.2		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	55.7		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	52.6		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	50.8		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	52		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	57.5		1.6	8	10	ug/L
95-48-7	2-Methylphenol	55		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	50.2		1.4	4	5	ug/L
98-86-2	Acetophenone	50.9		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	56.6		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	57.1		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	52.7		1	4	5	ug/L
98-95-3	Nitrobenzene	51.4		1.3	4	5	ug/L
78-59-1	Isophorone	54		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	54.4		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	58.9		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	51.9		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	55.6		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	51.8		1.1	4	5	ug/L
65-85-0	Benzoic acid	33.2		5.5	8	10	ug/L
91-20-3	Naphthalene	52		1	4	5	ug/L
106-47-8	4-Chloroaniline	25.6		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	52.1		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162639BS	SDG No.:	BF081324
Lab Sample ID:	PB162639BS	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
BF138984.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52.3		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	56		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	53.7		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	130	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	51		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	51		1	4	5	ug/L
92-52-4	1,1-Biphenyl	49.1		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	53.2		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	57		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	58		0.93	4	5	ug/L
208-96-8	Acenaphthylene	57.5		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	55.7		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	35.9		1.4	4	5	ug/L
83-32-9	Acenaphthene	52.3		0.81	4	5	ug/L
Total PAH	Total PAH	847.6		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	83.5	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	65		2	8	10	ug/L
132-64-9	Dibenzofuran	55.8		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	12.4		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	56.7		1.5	4	5	ug/L
84-66-2	Diethylphthalate	60.3		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	56.4		0.98	4	5	ug/L
86-73-7	Fluorene	56.2		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	50.1		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	50.1		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	55.5		0.89	4	5	ug/L
103-33-3	Azobenzene	57.5		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	54.3		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	53.8		1.1	4	5	ug/L
1912-24-9	Atrazine	66.5		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162639BS	SDG No.:	BF081324
Lab Sample ID:	PB162639BS	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
BF138984.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	66.7		1.9	8	10	ug/L
85-01-8	Phenanthrene	55.5		0.89	4	5	ug/L
120-12-7	Anthracene	57.6		1.1	4	5	ug/L
86-74-8	Carbazole	51.8		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	64.3		1.5	4	5	ug/L
206-44-0	Fluoranthene	52.6		1.3	4	5	ug/L
92-87-5	Benzidine	44.5		4.1	8	10	ug/L
129-00-0	Pyrene	54.6		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	64.4		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	45.2		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	55.8		0.94	4	5	ug/L
218-01-9	Chrysene	55.5		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	56.3		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	49		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	52.6		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	62.5		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	58.6		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	43.6		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	43		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	37.7		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.8		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	56.9		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	50.8		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	139.265		10-139		93	SPK: -150
13127-88-3	Phenol-d6	141.63		10-134		94	SPK: -150
4165-60-0	Nitrobenzene-d5	95.293		49-133		95	SPK: -100
321-60-8	2-Fluorobiphenyl	97.134		52-132		97	SPK: -100

Report of Analysis

Client:		Date Collected:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162639BS	SDG No.:	BF081324
Lab Sample ID:	PB162639BS	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
BF138984.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	148.179		44-137		99	SPK: -150
1718-51-0	Terphenyl-d14	118.572		48-125		119	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	43548	6.84				
1146-65-2	Naphthalene-d8	180110	8.122				
15067-26-2	Acenaphthene-d10	99619	9.875				
1517-22-2	Phenanthrene-d10	168574	11.363				
1719-03-5	Chrysene-d12	80467	14.004				
1520-96-3	Perylene-d12	79720	15.463				

Report of Analysis

Client:		Date Collected:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162562TB	SDG No.:	BF081324
Lab Sample ID:	PB162562TB	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
BF138985.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162639

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:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162562TB	SDG No.:	BF081324
Lab Sample ID:	PB162562TB	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
BF138985.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162639

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

Report of Analysis

Client:		Date Collected:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162562TB	SDG No.:	BF081324
Lab Sample ID:	PB162562TB	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
BF138985.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	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	132.876		10-139		89	SPK: -150
13127-88-3	Phenol-d6	131.515		10-134		88	SPK: -150
4165-60-0	Nitrobenzene-d5	91.62		49-133		92	SPK: -100
321-60-8	2-Fluorobiphenyl	92.299		52-132		92	SPK: -100

Report of Analysis

Client:		Date Collected:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162562TB	SDG No.:	BF081324
Lab Sample ID:	PB162562TB	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
BF138985.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	132.387		44-137		88	SPK: -150
1718-51-0	Terphenyl-d14	124.367		48-125		124	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	48163	6.839				
1146-65-2	Naphthalene-d8	194986	8.116				
15067-26-2	Acenaphthene-d10	110980	9.869				
1517-22-2	Phenanthrene-d10	196314	11.357				
1719-03-5	Chrysene-d12	90603	13.998				
1520-96-3	Perylene-d12	66975	15.468				

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	MANHOLE	SDG No.:	BF081324
Lab Sample ID:	P3536-01	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
BF138986.D	1	8/13/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162687

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:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	MANHOLE	SDG No.:	BF081324
Lab Sample ID:	P3536-01	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
BF138986.D	1	8/13/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162687

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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.8	U	2.8	4	10.2	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5.1	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:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	MANHOLE	SDG No.:	BF081324
Lab Sample ID:	P3536-01	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
BF138986.D	1	8/13/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162687

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	73.451		10-139		49	SPK: -150
13127-88-3	Phenol-d6	46.888		10-134		31	SPK: -150
4165-60-0	Nitrobenzene-d5	84.548		49-133		85	SPK: -100
321-60-8	2-Fluorobiphenyl	84.711		52-132		85	SPK: -100

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	MANHOLE	SDG No.:	BF081324
Lab Sample ID:	P3536-01	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
BF138986.D	1	8/13/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162687

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	142.293		44-137		95	SPK: -150
1718-51-0	Terphenyl-d14	122.6		48-125		123	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	39196	6.84				
1146-65-2	Naphthalene-d8	163893	8.116				
15067-26-2	Acenaphthene-d10	93321	9.869				
1517-22-2	Phenanthrene-d10	160967	11.357				
1719-03-5	Chrysene-d12	75726	13.998				
1520-96-3	Perylene-d12	66930	15.463				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	160	J			2.134	
000122-99-6	Ethanol, 2-phenoxy-	2.5	J			8.298	
000058-08-2	Caffeine	2.7	J			11.545	

Hit Summary Sheet SW-846

SDG No.: BF081324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 927-KI-SD-0.5-1.0-080724								
P3512-04	927-KI-SD-0.5-1.0-08072	Solid	1-Phenoxypropan-2-ol	*	150.000	J		
P3512-04	927-KI-SD-0.5-1.0-08072	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	260.000	A		
P3512-04	927-KI-SD-0.5-1.0-08072	Solid	Butane, 2-methoxy-2-methyl-	*	3,000.000	J		
P3512-04	927-KI-SD-0.5-1.0-08072	Solid	Hentriacontane	*	130.000	J		
P3512-04	927-KI-SD-0.5-1.0-08072	Solid	Heptacosane	*	240.000	J		
P3512-04	927-KI-SD-0.5-1.0-08072	Solid	n-Tetracosanol-1	*	200.000	J		
P3512-04	927-KI-SD-0.5-1.0-08072	Solid	unknown10.775	*	200.000	J		
P3512-04	927-KI-SD-0.5-1.0-08072	Solid	unknown9.963	*	100.000	J		
Total Tics :					4,280.00			
Total Concentration:					4,280.00			
Client ID : MANHOLE								
P3536-01	MANHOLE	Water	Butane, 2-methoxy-2-methyl-	*	160.000	J		
P3536-01	MANHOLE	Water	Caffeine	*	2.700	J		
P3536-01	MANHOLE	Water	Ethanol, 2-phenoxy-	*	2.500	J		
Total Tics :					165.20			
Total Concentration:					165.20			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF073024 SAS No.: BF073024 SDG No.: BF073024
Instrument ID: _____ Calibration Date(s): 7/30/2024 : _____
Calibration Time(s): 12:54 _____

LAB FILE ID:		RRF2.5 = BF138680.D			RRF005 = BF138681.D		RRF010 = BF138682.D	
		RRF020 = BF138683.D			RRF040 = BF138684.D		RRF050 = BF138685.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.813	0.817	0.829	0.814	0.804	0.818	1.9
Pyridine		1.373	1.365	1.453	1.381	1.380	1.374	3.1
2-Fluorophenol		1.404	1.367	1.341	1.274	1.244	1.296	6.0
Benzaldehyde		1.230	1.119	1.099	0.904	0.862	1.043	14.8
Aniline		1.656	1.626	1.704	1.532	1.487	1.551	7.5
Phenol-d6		1.938	1.816	1.828	1.681	1.654	1.740	7.2
Phenol		2.012	1.946	1.913	1.775	1.739	1.832	6.9
bis(2-Chloroethyl)ether		1.494	1.476	1.434	1.363	1.348	1.409	4.5
2-Chlorophenol		1.471	1.418	1.443	1.325	1.308	1.363	5.9
1,2-Dichlorobenzene		1.621	1.511	1.532	1.408	1.358	1.439	8.2
1,3-Dichlorobenzene		1.687	1.609	1.608	1.475	1.445	1.526	7.1
1,4-Dichlorobenzene		1.689	1.615	1.620	1.496	1.482	1.540	6.6
Benzyl Alcohol		1.326	1.287	1.334	1.218	1.213	1.254	5.3
2-Methylphenol		1.192	1.154	1.183	1.103	1.072	1.126	4.9
2,2-oxybis(1-Chloropropane)		2.695	2.576	2.592	2.350	2.311	2.426	8.2
Acetophenone		0.538	0.510	0.508	0.482	0.457	0.490	6.1
3+4-Methylphenols		1.661	1.554	1.558	1.367	1.328	1.444	10.0
n-Nitroso-di-n-propylamine	1.109	1.130	1.087	1.123	0.992	0.970	1.051	6.6
Nitrobenzene-d5		0.426	0.416	0.424	0.407	0.393	0.409	3.3
Hexachloroethane		0.619	0.614	0.598	0.568	0.554	0.580	5.3
Nitrobenzene		0.431	0.423	0.433	0.417	0.400	0.416	3.3
Isophorone		0.735	0.710	0.735	0.681	0.655	0.699	4.3
2-Nitrophenol		0.169	0.176	0.188	0.184	0.175	0.179	3.7
2,4-Dimethylphenol		0.219	0.217	0.221	0.214	0.207	0.214	2.6
bis(2-Chloroethoxy)methane		0.448	0.433	0.449	0.418	0.402	0.425	4.3
2,4-Dichlorophenol		0.279	0.276	0.293	0.276	0.264	0.275	3.6
1,2,4-Trichlorobenzene		0.344	0.324	0.329	0.316	0.304	0.318	5.0
Benzoic acid			0.136	0.158	0.166	0.166	0.168	12.7
Naphthalene		1.124	1.102	1.110	1.044	1.000	1.053	5.6
4-Chloroaniline		0.354	0.363	0.369	0.346	0.337	0.353	3.1
Hexachlorobutadiene		0.205	0.197	0.200	0.190	0.187	0.192	4.4
Caprolactam		0.078	0.084	0.088	0.078	0.076	0.082	5.6
4-Chloro-3-methylphenol		0.326	0.319	0.343	0.307	0.290	0.315	5.4
2-Methylnaphthalene		0.723	0.699	0.709	0.649	0.619	0.665	6.7
Hexachlorocyclopentadiene			0.064	0.101	0.127	0.138	0.120	27.1
2,4,6-Trichlorophenol		0.338	0.338	0.353	0.336	0.330	0.339	2.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BF073024

SAS No.: BF073024

SDG No.: BF073024

Instrument ID:

Calibration Date(s): 7/30/2024

Calibration Time(s): 12:54

LAB FILE ID:		RRF2.5 = BF138680.D		RRF005 = BF138681.D		RRF010 = BF138682.D		
		RRF020 = BF138683.D		RRF040 = BF138684.D		RRF050 = BF138685.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.512	1.424	1.402	1.306	1.260	1.331	9.0
2,4,5-Trichlorophenol		0.368	0.379	0.387	0.368	0.361	0.370	2.6
1,1-Biphenyl		1.714	1.635	1.630	1.539	1.507	1.566	6.1
2-Chloronaphthalene		1.263	1.206	1.213	1.151	1.119	1.165	5.5
2-Nitroaniline		0.394	0.403	0.414	0.389	0.380	0.395	2.7
Dimethylphthalate		1.336	1.297	1.367	1.229	1.208	1.279	4.6
Acenaphthylene		1.796	1.744	1.743	1.637	1.573	1.652	6.8
2,6-Dinitrotoluene		0.286	0.288	0.304	0.288	0.277	0.289	3.6
3-Nitroaniline		0.308	0.300	0.317	0.288	0.286	0.298	4.1
Acenaphthene		1.217	1.173	1.169	1.082	1.049	1.111	6.8
2,4-Dinitrophenol			0.097	0.142	0.127	0.131	0.133	14.8
4-Nitrophenol			0.156	0.186	0.175	0.176	0.179	7.9
Dibenzofuran		1.729	1.680	1.666	1.515	1.484	1.568	7.8
2,4-Dinitrotoluene		0.377	0.376	0.402	0.362	0.342	0.368	5.4
Diethylphthalate		1.268	1.259	1.321	1.155	1.113	1.213	6.2
4-Chlorophenyl-phenylether		0.662	0.664	0.662	0.589	0.580	0.614	7.7
Fluorene		1.374	1.326	1.351	1.206	1.166	1.249	8.0
4-Nitroaniline		0.284	0.292	0.313	0.272	0.265	0.284	6.0
4,6-Dinitro-2-methylphenol			0.107	0.123	0.125	0.123	0.122	6.4
n-Nitrosodiphenylamine		0.642	0.645	0.645	0.631	0.606	0.625	3.3
Azobenzene		1.427	1.391	1.450	1.300	1.259	1.345	5.9
2,4,6-Tribromophenol		0.168	0.164	0.176	0.159	0.156	0.164	4.2
4-Bromophenyl-phenylether		0.227	0.219	0.226	0.217	0.211	0.217	3.8
Hexachlorobenzene		0.231	0.231	0.234	0.220	0.214	0.224	3.7
Atrazine		0.171	0.172	0.176	0.162	0.153	0.161	7.8
Pentachlorophenol			0.077	0.097	0.102	0.104	0.101	12.9
Phenanthrene		1.112	1.109	1.087	1.021	0.970	1.030	7.0
Anthracene		1.082	1.077	1.078	1.003	0.965	1.015	6.3
Carbazole		0.970	0.938	0.940	0.870	0.810	0.875	8.6
Di-n-butylphthalate		0.991	0.990	1.040	0.991	0.944	0.984	3.4
Fluoranthene		1.068	1.045	1.039	0.965	0.899	0.961	9.7
Benzidine		0.491	0.482	0.484	0.535	0.470	0.478	8.6
Pyrene		1.978	1.958	2.140	1.750	1.694	1.883	8.6
Terphenyl-d14		1.264	1.265	1.362	1.106	1.072	1.195	9.3
Butylbenzylphthalate		0.577	0.571	0.605	0.628	0.622	0.603	3.7
3,3-Dichlorobenzidine		0.388	0.364	0.377	0.360	0.346	0.352	8.0

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.: BF073024 SAS No.: BF073024 SDG No.: BF073024
Instrument ID: _____ Calibration Date(s): 7/30/2024 : _____
Calibration Time(s): 12:54 _____

LAB FILE ID:		RRF2.5 = BF138680.D			RRF005 = BF138681.D		RRF010 = BF138682.D	
		RRF020 = BF138683.D			RRF040 = BF138684.D		RRF050 = BF138685.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.401	1.438	1.410	1.395	1.351	1.377	3.5
Chrysene		1.342	1.228	1.260	1.222	1.203	1.243	3.8
Bis(2-ethylhexyl)phthalate		0.876	0.838	0.861	0.948	0.945	0.883	5.1
Di-n-octyl phthalate		1.637	1.524	1.614	1.744	1.742	1.634	5.1
Benzo(b)fluoranthene		1.287	1.361	1.287	1.229	1.181	1.240	6.2
Benzo(k)fluoranthene		1.202	1.043	1.098	1.002	1.060	1.073	6.8
Benzo(a)pyrene		1.084	1.047	1.071	1.023	1.026	1.043	2.5
Indeno(1,2,3-cd)pyrene		1.469	1.464	1.517	1.395	1.406	1.433	3.5
Dibenzo(a,h)anthracene		1.226	1.231	1.253	1.134	1.140	1.177	4.9
Benzo(g,h,i)perylene		1.261	1.234	1.289	1.199	1.196	1.221	3.5
1,2,4,5-Tetrachlorobenzene		0.606	0.560	0.581	0.550	0.542	0.556	5.5
1,4-Dioxane		0.597	0.555	0.581	0.576	0.557	0.567	3.2
2,3,4,6-Tetrachlorophenol		0.270	0.279	0.297	0.274	0.280	0.283	4.0
1-Methylnaphthalene		0.713	0.685	0.692	0.636	0.606	0.652	6.9

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF081324 SAS No.: BF081324 SDG NO.: BF081324

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 13 2024 12:00AM

Lab File ID: BF138684.D Time Analyzed: 10:38

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	72528	6.845	281315	8.13	146962	9.88
	UPPER LIMIT	145056	7.345	562630	8.628	293924	10.38
	LOWER LIMIT	36264	6.345	140657.5	7.628	73481	9.38
	EPA SAMPLE NO.						
01	PB162612TB	43527	6.84	182926	8.12	108737	9.87
02	PB162520BS	49442	6.84	209908	8.12	120228	9.88
03	PB162455TB	43466	6.84	178363	8.12	104529	9.88
04	927-KI-SD-0.5-1.0-080724	38984	6.84	156731	8.12	85072	9.87
05	927-KI-SD-0.5-1.0-080724MS	35132 *	6.84	141264	8.12	74754	9.88
06	927-KI-SD-0.5-1.0-080724MSD	37125	6.84	150683	8.12	82249	9.88
07	OU4-CF-12-080624	38006	6.84	155621	8.12	84542	9.87
08	OU4-VSL-01-080624	39080	6.84	155645	8.12	86104	9.87
09	OU4-57S-01-080624	36727	6.84	148191	8.12	80018	9.87
10	OU4-CF-01-080724	40794	6.84	169183	8.12	90198	9.87
11	OU4-CF-01-080724MS	37456	6.84	154486	8.12	82532	9.87
12	OU4-CF-01-080724MSD	39027	6.84	154958	8.12	83209	9.88
13	PB162660BL	42604	6.84	177345	8.12	101526	9.87
14	PB162660BS	52490	6.84	219450	8.12	121118	9.88
15	PB162621TB	41160	6.84	171146	8.12	98281	9.87
16	PB162639BS	43548	6.84	180110	8.12	99619	9.88
17	PB162562TB	48163	6.84	194986	8.12	110980	9.87
18	MANHOLE	39196	6.84	163893	8.12	93321	9.87

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF081324 SAS No.: BF081324 SDG NO.: BF081324

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 13 2024 12:00AM

Lab File ID: BF138684.D Time Analyzed: 21:34

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	72528	6.845	281315	8.13	146962	9.88
UPPER LIMIT	145056	7.345	562630	8.628	293924	10.38
LOWER LIMIT	36264	6.345	140657.5	7.628	73481	9.38
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF081324 SAS No.: BF081324 SDG NO.: BF081324

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 13 2024 12:00AM

Lab File ID: BF138965.D Time Analyzed: 10:38

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	46987	6.839	189694	8.12	108534	9.88
UPPER LIMIT	93974	7.339	379388	8.622	217068	10.375
LOWER LIMIT	23493.5	6.339	94847	7.622	54267	9.375
EPA SAMPLE NO.						
01 PB162612TB	43527	6.84	182926	8.12	108737	9.87
02 PB162520BS	49442	6.84	209908	8.12	120228	9.88
03 PB162455TB	43466	6.84	178363	8.12	104529	9.88
04 927-KI-SD-0.5-1.0-080724	38984	6.84	156731	8.12	85072	9.87
05 927-KI-SD-0.5-1.0-080724MS	35132	6.84	141264	8.12	74754	9.88
06 927-KI-SD-0.5-1.0-080724MSD	37125	6.84	150683	8.12	82249	9.88
07 OU4-CF-12-080624	38006	6.84	155621	8.12	84542	9.87
08 OU4-VSL-01-080624	39080	6.84	155645	8.12	86104	9.87
09 OU4-57S-01-080624	36727	6.84	148191	8.12	80018	9.87
10 OU4-CF-01-080724	40794	6.84	169183	8.12	90198	9.87
11 OU4-CF-01-080724MS	37456	6.84	154486	8.12	82532	9.87
12 OU4-CF-01-080724MSD	39027	6.84	154958	8.12	83209	9.88

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF081324 SAS No.: BF081324 SDG NO.: BF081324

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 13 2024 12:00AM

Lab File ID: BF138980.D Time Analyzed: 19:03

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	51785	6.84	207114	8.12	116645	9.88
UPPER LIMIT	103570	7.34	414228	8.622	233290	10.375
LOWER LIMIT	25892.5	6.34	103557	7.622	58322.5	9.375
EPA SAMPLE NO.						
01 PB162660BL	42604	6.84	177345	8.12	101526	9.87
02 PB162660BS	52490	6.84	219450	8.12	121118	9.88
03 PB162621TB	41160	6.84	171146	8.12	98281	9.87
04 PB162639BS	43548	6.84	180110	8.12	99619	9.88
05 PB162562TB	48163	6.84	194986	8.12	110980	9.87
06 MANHOLE	39196	6.84	163893	8.12	93321	9.87

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.: BF081324 SAS No.: BF081324 SDG NO.: BF081324

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 13 2024 12:00AM

Lab File ID: BF138684.D Time Analyzed: 10:38

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	227513	11.369	125928	14.004	151531	15.468
	UPPER LIMIT	455026	11.869	251856	14.504	303062	15.968
	LOWER LIMIT	113756.5	10.869	62964	13.504	75765.5	14.968
	EPA SAMPLE NO.						
01	PB162612TB	207005	11.36	111617	14.00	83812	15.47
02	PB162520BS	210367	11.36	104150	14.00	91923	15.46
03	PB162455TB	194797	11.36	98581	14.00	78257	15.47
04	927-KI-SD-0.5-1.0-080724	134445	11.36	70788	14.00	68600 *	15.46
05	927-KI-SD-0.5-1.0-080724MS	115514	11.36	61599 *	14.00	63687 *	15.46
06	927-KI-SD-0.5-1.0-080724MSI	123244	11.36	66622	14.00	68010 *	15.46
07	OU4-CF-12-080624	133895	11.36	68546	14.00	65747 *	15.46
08	OU4-VSL-01-080624	134801	11.36	69021	14.00	66827 *	15.46
09	OU4-57S-01-080624	124918	11.36	64213	14.00	61942 *	15.46
10	OU4-CF-01-080724	137198	11.36	69101	14.00	67539 *	15.46
11	OU4-CF-01-080724MS	128981	11.36	66029	14.00	66832 *	15.46
12	OU4-CF-01-080724MSD	127552	11.36	70622	14.00	68420 *	15.46
13	PB162660BL	180088	11.36	84713	14.00	66354 *	15.47
14	PB162660BS	201290	11.36	101195	14.00	94247	15.46
15	PB162621TB	176243	11.36	83366	14.00	66788 *	15.47
16	PB162639BS	168574	11.36	80467	14.00	79720	15.46
17	PB162562TB	196314	11.36	90603	14.00	66975 *	15.47
18	MANHOLE	160967	11.36	75726	14.00	66930 *	15.46

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF081324 SAS No.: BF081324 SDG NO.: BF081324

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 13 2024 12:00AM

Lab File ID: BF138684.D Time Analyzed: 21:34

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	227513	11.369	125928	14.004	151531	15.468
UPPER LIMIT	455026	11.869	251856	14.504	303062	15.968
LOWER LIMIT	113756.5	10.869	62964	13.504	75765.5	14.968
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.: BF081324 SAS No.: BF081324 SDG NO.: BF081324

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 13 2024 12:00AM

Lab File ID: BF138965.D Time Analyzed: 10:38

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	193718	11.363	93804	13.998	93639	15.462
	UPPER LIMIT	387436	11.863	187608	14.498	187278	15.962
	LOWER LIMIT	96859	10.863	46902	13.498	46819.5	14.962
	EPA SAMPLE NO.						
01	PB162612TB	207005	11.36	111617	14.00	83812	15.47
02	PB162520BS	210367	11.36	104150	14.00	91923	15.46
03	PB162455TB	194797	11.36	98581	14.00	78257	15.47
04	927-KI-SD-0.5-1.0-080724	134445	11.36	70788	14.00	68600	15.46
05	927-KI-SD-0.5-1.0-080724MS	115514	11.36	61599	14.00	63687	15.46
06	927-KI-SD-0.5-1.0-080724MSI	123244	11.36	66622	14.00	68010	15.46
07	OU4-CF-12-080624	133895	11.36	68546	14.00	65747	15.46
08	OU4-VSL-01-080624	134801	11.36	69021	14.00	66827	15.46
09	OU4-57S-01-080624	124918	11.36	64213	14.00	61942	15.46
10	OU4-CF-01-080724	137198	11.36	69101	14.00	67539	15.46
11	OU4-CF-01-080724MS	128981	11.36	66029	14.00	66832	15.46
12	OU4-CF-01-080724MSD	127552	11.36	70622	14.00	68420	15.46

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.: BF081324 SAS No.: BF081324 SDG NO.: BF081324

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 13 2024 12:00AM

Lab File ID: BF138980.D Time Analyzed: 19:03

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	189295	11.363	91833	14.004	96054	15.463
UPPER LIMIT	378590	11.863	183666	14.504	192108	15.963
LOWER LIMIT	94647.5	10.863	45916.5	13.504	48027	14.963
EPA SAMPLE NO.						
01 PB162660BL	180088	11.36	84713	14.00	66354	15.47
02 PB162660BS	201290	11.36	101195	14.00	94247	15.46
03 PB162621TB	176243	11.36	83366	14.00	66788	15.47
04 PB162639BS	168574	11.36	80467	14.00	79720	15.46
05 PB162562TB	196314	11.36	90603	14.00	66975	15.47
06 MANHOLE	160967	11.36	75726	14.00	66930	15.46

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.: **BF081324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162520BS	n-Nitrosodimethylamine	1700	1800	ug/Kg	106		*		57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700	1100	ug/Kg	65				10	133	
	Aniline	1700	1100	ug/Kg	65				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102	
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99	
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100	
	Benzyl Alcohol	1700	1700	ug/Kg	100				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1700	ug/Kg	100				58	111	
	N-Nitroso-di-n-propylamine	1700	1700	ug/Kg	100		*		63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				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				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	960	ug/Kg	56				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	700	ug/Kg	41				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1600	ug/Kg	94				60	104	
	Hexachlorocyclopentadiene	3300	3100	ug/Kg	94				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	25500	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF081324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162520BS	4-Nitrophenol	3300	2300	ug/Kg	70				48	119	
	Dibenzofuran	1700	1600	ug/Kg	94				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	3400	3300	ug/Kg	97				60	106	
	Diethylphthalate	1700	1700	ug/Kg	100				60	101	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	Azobenzene	1700	1600	ug/Kg	94				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1900	ug/Kg	112				47	152	
	Pentachlorophenol	3300	2200	ug/Kg	67				67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1700	ug/Kg	100				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1900	ug/Kg	112		*		58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Benzidine	3300	430	ug/Kg	13				10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1900	ug/Kg	112		*		55	103	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				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	1700	ug/Kg	100				54	135	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				52	137	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1900	ug/Kg	112		*		62	109	
	Benzo(a)pyrene	1700	1800	ug/Kg	106		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1300	ug/Kg	76				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1000	ug/Kg	59				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	
	1-Methylnaphthalene	1700	1500	ug/Kg	88				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF081324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB162639BS	n-Nitrosodimethylamine	50	59.4	ug/L	119		*		55	108	
	Pyridine	50	40.3	ug/L	81				29	97	
	Benzaldehyde	50	0	ug/L	0		*		10	162	
	Aniline	50	45.3	ug/L	91				10	130	
	Phenol	50	53.9	ug/L	108				66	118	
	bis(2-Chloroethyl)ether	50	50.2	ug/L	100				62	103	
	2-Chlorophenol	50	55.7	ug/L	111				70	117	
	1,2-Dichlorobenzene	50	52.6	ug/L	105		*		72	102	
	1,3-Dichlorobenzene	50	50.8	ug/L	102				71	103	
	1,4-Dichlorobenzene	50	52	ug/L	104		*		76	103	
	Benzyl Alcohol	50	57.5	ug/L	115		*		36	93	
	2-Methylphenol	50	55	ug/L	110		*		69	109	
	2,2-oxybis(1-Chloropropane)	50	50.2	ug/L	100				65	100	
	Acetophenone	50	50.9	ug/L	102				60	104	
	3+4-Methylphenols	50	56.6	ug/L	113		*		67	106	
	N-Nitroso-di-n-propylamine	50	57.1	ug/L	114		*		57	107	
	Hexachloroethane	50	52.7	ug/L	105				76	118	
	Nitrobenzene	50	51.4	ug/L	103				58	106	
	Isophorone	50	54	ug/L	108		*		61	102	
	2-Nitrophenol	50	54.4	ug/L	109				70	115	
	2,4-Dimethylphenol	50	58.9	ug/L	118				42	142	
	bis(2-Chloroethoxy)methane	50	51.9	ug/L	104				58	109	
	2,4-Dichlorophenol	50	55.6	ug/L	111				66	115	
	1,2,4-Trichlorobenzene	50	51.8	ug/L	104				41	115	
	Benzoic acid	50	33.2	ug/L	66				10	125	
	Naphthalene	50	52	ug/L	104				64	107	
	4-Chloroaniline	50	25.6	ug/L	51				10	85	
	Hexachlorobutadiene	50	52.1	ug/L	104		*		69	101	
	Caprolactam	50	52.3	ug/L	105				58	128	
	4-Chloro-3-methylphenol	50	56	ug/L	112				65	114	
	2-Methylnaphthalene	50	53.7	ug/L	107				64	107	
	Hexachlorocyclopentadiene	100	130	ug/L	130				36	160	
	2,4,6-Trichlorophenol	50	51	ug/L	102				61	110	
	2,4,5-Trichlorophenol	50	51	ug/L	102				70	106	
	1,1-Biphenyl	50	49.1	ug/L	98				72	98	
	2-Chloronaphthalene	50	53.2	ug/L	106				59	106	
	2-Nitroaniline	50	57	ug/L	114				73	114	
	Dimethylphthalate	50	58	ug/L	116		*		64	103	
	Acenaphthylene	50	57.5	ug/L	115		*		79	103	
	2,6-Dinitrotoluene	50	55.7	ug/L	111		*		64	110	
	3-Nitroaniline	50	35.9	ug/L	72				28	100	
	Acenaphthene	50	52.3	ug/L	105				59	113	
	Total PAH	800	847.6	ug/L	106				59	113	
	2,4-Dinitrophenol	100	83.5	ug/L	84				36	166	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF081324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB162639BS	4-Nitrophenol	100	65	ug/L	65				45	147	
	Dibenzofuran	50	55.8	ug/L	112		*		65	106	
	2,4-Dinitrotoluene/2,6-Dinitrotc	100	112.4	ug/L	112				60	115	
	2,4-Dinitrotoluene	50	56.7	ug/L	113				60	115	
	Diethylphthalate	50	60.3	ug/L	121		*		63	105	
	4-Chlorophenyl-phenylether	50	56.4	ug/L	113		*		61	104	
	Fluorene	50	56.2	ug/L	112		*		64	107	
	4-Nitroaniline	50	50.1	ug/L	100				55	125	
	4,6-Dinitro-2-methylphenol	50	50.1	ug/L	100				62	132	
	N-Nitrosodiphenylamine	50	55.5	ug/L	111		*		61	109	
	Azobenzene	50	57.5	ug/L	115		*		59	106	
	4-Bromophenyl-phenylether	50	54.3	ug/L	109		*		73	103	
	Hexachlorobenzene	50	53.8	ug/L	108		*		73	106	
	Atrazine	50	66.5	ug/L	133		*		76	120	
	Pentachlorophenol	100	66.7	ug/L	67				47	114	
	Phenanthrene	50	55.5	ug/L	111		*		62	109	
	Anthracene	50	57.6	ug/L	115		*		65	110	
	Carbazole	50	51.8	ug/L	104				62	106	
	Di-n-butylphthalate	50	64.3	ug/L	129		*		64	106	
	Fluoranthene	50	52.6	ug/L	105				64	110	
	Benzidine	100	44.5	ug/L	45				10	94	
	Pyrene	50	54.6	ug/L	109		*		71	103	
	Butylbenzylphthalate	50	64.4	ug/L	129		*		61	105	
	3,3-Dichlorobenzidine	50	45.2	ug/L	90				43	108	
	Benzo(a)anthracene	50	55.8	ug/L	112		*		62	107	
	Chrysene	50	55.5	ug/L	111		*		61	108	
	bis(2-Ethylhexyl)phthalate	50	56.3	ug/L	113		*		59	110	
	Di-n-octyl phthalate	50	49	ug/L	98				52	139	
	Benzo(b)fluoranthene	50	52.6	ug/L	105				77	113	
	Benzo(k)fluoranthene	50	62.5	ug/L	125		*		77	105	
	Benzo(a)pyrene	50	58.6	ug/L	117				72	131	
	Indeno(1,2,3-cd)pyrene	50	43.6	ug/L	87				72	105	
	Dibenz(a,h)anthracene	50	43	ug/L	86				78	115	
	Benzo(g,h,i)perylene	50	37.7	ug/L	75				75	118	
	1,2,4,5-Tetrachlorobenzene	50	49.8	ug/L	100				72	101	
	1,4-Dioxane	50	36.9	ug/L	74				38	125	
	2,3,4,6-Tetrachlorophenol	50	56.9	ug/L	114				63	116	
	1-Methylnaphthalene	50	50.8	ug/L	102				51	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF081324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162660BS	n-Nitrosodimethylamine	50	53	ug/L	106				55	108	
	Pyridine	50	32.6	ug/L	65				29	97	
	Benzaldehyde	50	31.3	ug/L	63				10	162	
	Aniline	50	32	ug/L	64				10	130	
	Phenol	50	46.7	ug/L	93				66	118	
	bis(2-Chloroethyl)ether	50	43.8	ug/L	88				62	103	
	2-Chlorophenol	50	47.6	ug/L	95				70	117	
	1,2-Dichlorobenzene	50	45.5	ug/L	91				72	102	
	1,3-Dichlorobenzene	50	44.3	ug/L	89				71	103	
	1,4-Dichlorobenzene	50	44.8	ug/L	90				76	103	
	Benzyl Alcohol	50	50.5	ug/L	101		*		36	93	
	2-Methylphenol	50	47.3	ug/L	95				69	109	
	2,2-oxybis(1-Chloropropane)	50	43.8	ug/L	88				65	100	
	Acetophenone	50	44.4	ug/L	89				60	104	
	3+4-Methylphenols	50	48.9	ug/L	98				67	106	
	N-Nitroso-di-n-propylamine	50	48.5	ug/L	97				57	107	
	Hexachloroethane	50	45.7	ug/L	91				76	118	
	Nitrobenzene	50	44.3	ug/L	89				58	106	
	Isophorone	50	46.4	ug/L	93				61	102	
	2-Nitrophenol	50	47.7	ug/L	95				70	115	
	2,4-Dimethylphenol	50	50.2	ug/L	100				42	142	
	bis(2-Chloroethoxy)methane	50	44.4	ug/L	89				58	109	
	2,4-Dichlorophenol	50	47.6	ug/L	95				66	115	
	1,2,4-Trichlorobenzene	50	44.9	ug/L	90				41	115	
	Benzoic acid	50	29.1	ug/L	58				10	125	
	Naphthalene	50	44.4	ug/L	89				64	107	
	4-Chloroaniline	50	20.1	ug/L	40				10	85	
	Hexachlorobutadiene	50	45.2	ug/L	90				69	101	
	Caprolactam	50	44.7	ug/L	89				58	128	
	4-Chloro-3-methylphenol	50	48.3	ug/L	97				65	114	
	2-Methylnaphthalene	50	46.4	ug/L	93				64	107	
	Hexachlorocyclopentadiene	100	97.5	ug/L	98				36	160	
	2,4,6-Trichlorophenol	50	45.1	ug/L	90				61	110	
	2,4,5-Trichlorophenol	50	44	ug/L	88				70	106	
	1,1-Biphenyl	50	41.9	ug/L	84				72	98	
	2-Chloronaphthalene	50	44.1	ug/L	88				59	106	
	2-Nitroaniline	50	48.2	ug/L	96				73	114	
	Dimethylphthalate	50	49.2	ug/L	98				64	103	
	Acenaphthylene	50	49.2	ug/L	98				79	103	
	2,6-Dinitrotoluene	50	47	ug/L	94				64	110	
3-Nitroaniline	50	30.7	ug/L	61				28	100		
Acenaphthene	50	44.6	ug/L	89				59	113		
Total PAH	800	747.2	ug/L	93				59	113		
2,4-Dinitrophenol	100	77.3	ug/L	77				36	166		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF081324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162660BS	4-Nitrophenol	100	61	ug/L	61				45	147	
	Dibenzofuran	50	47.2	ug/L	94				65	106	
	2,4-Dinitrotoluene	50	48.9	ug/L	98				60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotr	100	95.9	ug/L	96				60	115	
	Diethylphthalate	50	51.3	ug/L	103				63	105	
	4-Chlorophenyl-phenylether	50	47.4	ug/L	95				61	104	
	Fluorene	50	48	ug/L	96				64	107	
	4-Nitroaniline	50	41.4	ug/L	83				55	125	
	4,6-Dinitro-2-methylphenol	50	45.2	ug/L	90				62	132	
	N-Nitrosodiphenylamine	50	48.3	ug/L	97				61	109	
	Azobenzene	50	48	ug/L	96				59	106	
	4-Bromophenyl-phenylether	50	46.7	ug/L	93				73	103	
	Hexachlorobenzene	50	46.5	ug/L	93				73	106	
	Atrazine	50	55.3	ug/L	111				76	120	
	Pentachlorophenol	100	65.5	ug/L	66				47	114	
	Phenanthrene	50	48.5	ug/L	97				62	109	
	Anthracene	50	49.5	ug/L	99				65	110	
	Carbazole	50	45.1	ug/L	90				62	106	
	Di-n-butylphthalate	50	55.8	ug/L	112		*		64	106	
	Fluoranthene	50	46.4	ug/L	93				64	110	
	Benzidine	100	13.6	ug/L	14				10	94	
	Pyrene	50	45.6	ug/L	91				71	103	
	Butylbenzylphthalate	50	53.2	ug/L	106		*		61	105	
	3,3-Dichlorobenzidine	50	36.5	ug/L	73				43	108	
	Benzo(a)anthracene	50	47.1	ug/L	94				62	107	
	Chrysene	50	47.9	ug/L	96				61	108	
	bis(2-Ethylhexyl)phthalate	50	48.5	ug/L	97				59	110	
	Di-n-octyl phthalate	50	41.9	ug/L	84				52	139	
	Benzo(b)fluoranthene	50	47.9	ug/L	96				77	113	
	Benzo(k)fluoranthene	50	57.7	ug/L	115		*		77	105	
	Benzo(a)pyrene	50	53.3	ug/L	107				72	131	
	Indeno(1,2,3-cd)pyrene	50	41.3	ug/L	83				72	105	
	Dibenz(a,h)anthracene	50	40.5	ug/L	81				78	115	
	Benzo(g,h,i)perylene	50	35.3	ug/L	71		*		75	118	
	1,2,4,5-Tetrachlorobenzene	50	42.9	ug/L	86				72	101	
	1,4-Dioxane	50	30.3	ug/L	61				38	125	
	2,3,4,6-Tetrachlorophenol	50	47.9	ug/L	96				63	116	
	1-Methylnaphthalene	50	43.2	ug/L	86				51	114	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162455TB

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF081324

SAS No.: BF081324 SDG NO.: BF081324

Lab File ID: BF138968.D

Lab Sample ID: PB162455TB

Instrument ID: BNA_F

Date Extracted: 08/02/2024

Matrix: (soil/water) water

Date Analyzed: 08/13/2024

Level: (low/med) LOW

Time Analyzed: 11:38

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162455TB	PB162455TB	BF138968.D	08/13/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162520BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF081324

SAS No.: BF081324 SDG NO.: BF081324

Lab File ID: BF138967.D

Lab Sample ID: PB162520BS

Instrument ID: BNA_F

Date Extracted: 08/06/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/13/2024

Level: (low/med) LOW

Time Analyzed: 11:08

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162520BS	PB162520BS	BF138967.D	08/13/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

OU4-CF-01-080724

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF081324

SAS No.: BF081324 SDG NO.: BF081324

Lab File ID: BF138975.D

Lab Sample ID: P3519-17

Instrument ID: BNA_F

Date Extracted: 08/09/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/13/2024

Level: (low/med) LOW

Time Analyzed: 15:19

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
OU4-CF-01-080724	P3519-17	BF138975.D	08/13/2024
OU4-CF-01-080724MS	P3519-17MS	BF138976.D	08/13/2024
OU4-CF-01-080724MSD	P3519-17MSD	BF138977.D	08/13/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

927-KI-SD-0.5-1.0-0

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF081324

SAS No.: BF081324 SDG NO.: BF081324

Lab File ID: BF138969.D

Lab Sample ID: P3512-04

Instrument ID: BNA_F

Date Extracted: 08/09/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/13/2024

Level: (low/med) LOW

Time Analyzed: 12:16

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
927-KI-SD-0.5-1.0-080724	P3512-04	BF138969.D	08/13/2024
927-KI-SD-0.5-1.0-080724MS	P3512-04MS	BF138970.D	08/13/2024
927-KI-SD-0.5-1.0-080724MSD	P3512-04MSD	BF138971.D	08/13/2024
OU4-CF-12-080624	P3520-09	BF138972.D	08/13/2024
OU4-VSL-01-080624	P3520-15	BF138973.D	08/13/2024
OU4-57S-01-080624	P3520-17	BF138974.D	08/13/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162612TB

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF081324

SAS No.: BF081324 SDG NO.: BF081324

Lab File ID: BF138966.D

Lab Sample ID: PB162612TB

Instrument ID: BNA_F

Date Extracted: 08/09/2024

Matrix: (soil/water) Water

Date Analyzed: 08/13/2024

Level: (low/med) LOW

Time Analyzed: 10:38

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162612TB	PB162612TB	BF138966.D	08/13/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162639BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF081324

SAS No.: BF081324 SDG NO.: BF081324

Lab File ID: BF138984.D

Lab Sample ID: PB162639BS

Instrument ID: BNA_F

Date Extracted: 08/09/2024

Matrix: (soil/water) water

Date Analyzed: 08/13/2024

Level: (low/med) LOW

Time Analyzed: 20:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162639BS	PB162639BS	BF138984.D	08/13/2024
PB162562TB	PB162562TB	BF138985.D	08/13/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162660BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF081324

SAS No.: BF081324 SDG NO.: BF081324

Lab File ID: BF138981.D

Lab Sample ID: PB162660BL

Instrument ID: BNA_F

Date Extracted: 08/10/2024

Matrix: (soil/water) water

Date Analyzed: 08/13/2024

Level: (low/med) LOW

Time Analyzed: 19:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162660BS	PB162660BS	BF138982.D	08/13/2024
PB162621TB	PB162621TB	BF138983.D	08/13/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MANHOLE

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF081324

SAS No.: BF081324 SDG NO.: BF081324

Lab File ID: BF138986.D

Lab Sample ID: P3536-01

Instrument ID: BNA_F

Date Extracted: 08/13/2024

Matrix: (soil/water) Water

Date Analyzed: 08/13/2024

Level: (low/med) LOW

Time Analyzed: 21:34

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MANHOLE	P3536-01	BF138986.D	08/13/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF081324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3512-04MS		Client Sample ID: 927-K1-SD-0.5-1.0-080724MS		DataFile: BF138970.D							
n-Nitrosodimethylamine	2300		3200	ug/Kg	139	*			66	124	
Pyridine	2300		2200	ug/Kg	96				45	119	
Benzaldehyde	2300		0	ug/Kg	0	*			10	86	
Aniline	2300		2400	ug/Kg	104	*			10	88	
Phenol	2300		2900	ug/Kg	126				67	126	
bis(2-Chloroethyl)ether	2300		2700	ug/Kg	117				54	125	
2-Chlorophenol	2300		2900	ug/Kg	126	*			79	107	
1,2-Dichlorobenzene	2300		2800	ug/Kg	122	*			61	105	
1,3-Dichlorobenzene	2300		2700	ug/Kg	117	*			62	101	
1,4-Dichlorobenzene	2300		2700	ug/Kg	117	*			63	104	
Benzyl Alcohol	2300		3100	ug/Kg	135	*			47	126	
2-Methylphenol	2300		2700	ug/Kg	117				66	122	
2,2-oxybis(1-Chloropropane)	2300		2700	ug/Kg	117	*			65	110	
Acetophenone	2300		2800	ug/Kg	122	*			75	111	
3+4-Methylphenols	2300		2900	ug/Kg	126	*			66	104	
N-Nitroso-di-n-propylamine	2300		2900	ug/Kg	126	*			59	119	
Hexachloroethane	2300		2800	ug/Kg	122	*			65	117	
Nitrobenzene	2300		2800	ug/Kg	122	*			70	119	
Isophorone	2300		2900	ug/Kg	126	*			76	122	
2-Nitrophenol	2300		2900	ug/Kg	126				54	145	
2,4-Dimethylphenol	2300		3100	ug/Kg	135				44	135	
bis(2-Chloroethoxy)methane	2300		2700	ug/Kg	117	*			68	112	
2,4-Dichlorophenol	2300		2900	ug/Kg	126	*			72	118	
1,2,4-Trichlorobenzene	2300		2800	ug/Kg	122	*			57	103	
Benzoic acid	2300		1800	ug/Kg	78				50	104	
Naphthalene	2300		2800	ug/Kg	122	*			72	110	
4-Chloroaniline	2300		1500	ug/Kg	65				10	91	
Hexachlorobutadiene	2300		2900	ug/Kg	126	*			66	114	
Caprolactam	2300		2700	ug/Kg	117				51	134	
4-Chloro-3-methylphenol	2300		2900	ug/Kg	126				57	132	
2-Methylnaphthalene	2300		2900	ug/Kg	126	*			59	123	
Hexachlorocyclopentadiene	4700		5500	ug/Kg	117				10	175	
2,4,6-Trichlorophenol	2300		2900	ug/Kg	126	*			72	117	
2,4,5-Trichlorophenol	2300		2800	ug/Kg	122	*			72	117	
1,1-Biphenyl	2300		2700	ug/Kg	117	*			75	113	
2-Chloronaphthalene	2300		2800	ug/Kg	122	*			67	118	
2-Nitroaniline	2300		3100	ug/Kg	135	*			69	127	
Dimethylphthalate	2300		3100	ug/Kg	135	*			70	113	
Acenaphthylene	2300		3100	ug/Kg	135	*			79	118	
2,6-Dinitrotoluene	2300		2900	ug/Kg	126	*			70	125	
3-Nitroaniline	2300		2000	ug/Kg	87				30	99	
Acenaphthene	2300		2800	ug/Kg	122	*			70	121	
Total PAH	36800		45200	ug/Kg	123	*			70	121	
2,4-Dinitrophenol	4700		4900	ug/Kg	104				10	155	
4-Nitrophenol	4700		4100	ug/Kg	87				45	133	
Dibenzofuran	2300		3000	ug/Kg	130	*			72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF081324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	2300		3000	ug/Kg	130	*			55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	4600		5900	ug/Kg	128				55	128	
Diethylphthalate	2300		3100	ug/Kg	135	*			70	112	
4-Chlorophenyl-phenylether	2300		3000	ug/Kg	130	*			71	108	
Fluorene	2300		3000	ug/Kg	130	*			68	116	
4-Nitroaniline	2300		2600	ug/Kg	113				55	120	
4,6-Dinitro-2-methylphenol	2300		3000	ug/Kg	130				10	160	
N-Nitrosodiphenylamine	2300		3200	ug/Kg	139	*			73	118	
Azobenzene	2300		2900	ug/Kg	126	*			73	110	
4-Bromophenyl-phenylether	2300		3100	ug/Kg	135	*			65	121	
Hexachlorobenzene	2300		3000	ug/Kg	130	*			67	118	
Atrazine	2300		3400	ug/Kg	148	*			79	127	
Pentachlorophenol	4700		3900	ug/Kg	83				47	128	
Phenanthrene	2300		2900	ug/Kg	126				52	128	
Anthracene	2300		3100	ug/Kg	135	*			62	124	
Carbazole	2300		2800	ug/Kg	122	*			59	119	
Di-n-butylphthalate	2300		3300	ug/Kg	143	*			69	118	
Fluoranthene	2300		2700	ug/Kg	117				44	125	
Benzidine	4700		2500	ug/Kg	53				10	119	
Pyrene	2300		2600	ug/Kg	113				26	142	
Butylbenzylphthalate	2300		3200	ug/Kg	139	*			64	126	
3,3-Dichlorobenzidine	2300		2900	ug/Kg	126	*			33	116	
Benzo(a)anthracene	2300		3100	ug/Kg	135	*			71	114	
Chrysene	2300		3000	ug/Kg	130	*			57	121	
bis(2-Ethylhexyl)phthalate	2300		3000	ug/Kg	130				42	169	
Di-n-octyl phthalate	2300		2900	ug/Kg	126				23	175	
Benzo(b)fluoranthene	2300		3100	ug/Kg	135	*			67	121	
Benzo(k)fluoranthene	2300		3300	ug/Kg	143	*			57	134	
Benzo(a)pyrene	2300		3200	ug/Kg	139				70	142	
Indeno(1,2,3-cd)pyrene	2300		2300	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	2300		2300	ug/Kg	100				43	123	
Benzo(g,h,i)perylene	2300		1900	ug/Kg	83				24	125	
1,2,4,5-Tetrachlorobenzene	2300		2800	ug/Kg	122				69	124	
1,4-Dioxane	2300		2100	ug/Kg	91				46	112	
2,3,4,6-Tetrachlorophenol	2300		2800	ug/Kg	122	*			69	112	
1-Methylnaphthalene	2300		2700	ug/Kg	117				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF081324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3512-04MSD		Client Sample ID: 927-K1-SD-0.5-1.0-080724MSD		DataFile: BF138971.D							
n-Nitrosodimethylamine	2300		3100	ug/Kg	135	*	3		66	124	20
Pyridine	2300		2100	ug/Kg	91		5		45	119	20
Benzaldehyde	2300		0	ug/Kg	0	*			10	86	20
Aniline	2300		2300	ug/Kg	100	*	4		10	88	20
Phenol	2300		2600	ug/Kg	113		11		67	126	20
bis(2-Chloroethyl)ether	2300		2500	ug/Kg	109		7		54	125	20
2-Chlorophenol	2300		2800	ug/Kg	122	*	3		79	107	20
1,2-Dichlorobenzene	2300		2600	ug/Kg	113	*	8		61	105	20
1,3-Dichlorobenzene	2300		2500	ug/Kg	109	*	7		62	101	20
1,4-Dichlorobenzene	2300		2600	ug/Kg	113	*	3		63	104	20
Benzyl Alcohol	2300		2800	ug/Kg	122		10		47	126	20
2-Methylphenol	2300		2600	ug/Kg	113		3		66	122	20
2,2-oxybis(1-Chloropropane)	2300		2500	ug/Kg	109		7		65	110	20
Acetophenone	2300		2600	ug/Kg	113	*	8		75	111	20
3+4-Methylphenols	2300		2800	ug/Kg	122	*	3		66	104	20
N-Nitroso-di-n-propylamine	2300		2800	ug/Kg	122	*	3		59	119	20
Hexachloroethane	2300		2700	ug/Kg	117		4		65	117	20
Nitrobenzene	2300		2600	ug/Kg	113		8		70	119	20
Isophorone	2300		2700	ug/Kg	117		7		76	122	20
2-Nitrophenol	2300		2700	ug/Kg	117		7		54	145	20
2,4-Dimethylphenol	2300		2900	ug/Kg	126		7		44	135	20
bis(2-Chloroethoxy)methane	2300		2600	ug/Kg	113	*	3		68	112	20
2,4-Dichlorophenol	2300		2700	ug/Kg	117		7		72	118	20
1,2,4-Trichlorobenzene	2300		2600	ug/Kg	113	*	8		57	103	20
Benzoic acid	2300		1800	ug/Kg	78		0		50	104	20
Naphthalene	2300		2600	ug/Kg	113	*	8		72	110	20
4-Chloroaniline	2300		1400	ug/Kg	61		6		10	91	20
Hexachlorobutadiene	2300		2700	ug/Kg	117	*	7		66	114	20
Caprolactam	2300		2600	ug/Kg	113		3		51	134	20
4-Chloro-3-methylphenol	2300		2700	ug/Kg	117		7		57	132	20
2-Methylnaphthalene	2300		2700	ug/Kg	117		7		59	123	20
Hexachlorocyclopentadiene	4700		4800	ug/Kg	102		14		10	175	20
2,4,6-Trichlorophenol	2300		2600	ug/Kg	113		11		72	117	20
2,4,5-Trichlorophenol	2300		2600	ug/Kg	113		8		72	117	20
1,1-Biphenyl	2300		2400	ug/Kg	104		12		75	113	20
2-Chloronaphthalene	2300		2600	ug/Kg	113		8		67	118	20
2-Nitroaniline	2300		2800	ug/Kg	122		10		69	127	20
Dimethylphthalate	2300		2800	ug/Kg	122	*	10		70	113	20
Acenaphthylene	2300		2800	ug/Kg	122	*	10		79	118	20
2,6-Dinitrotoluene	2300		2600	ug/Kg	113		11		70	125	20
3-Nitroaniline	2300		1800	ug/Kg	78		11		30	99	20
Acenaphthene	2300		2500	ug/Kg	109		11		70	121	20
Total PAH	36800		41400	ug/Kg	113		8		70	121	20
2,4-Dinitrophenol	4700		4500	ug/Kg	96		8		10	155	20
4-Nitrophenol	4700		3700	ug/Kg	79		10		45	133	20
Dibenzofuran	2300		2700	ug/Kg	117	*	11		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF081324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	2300		2700	ug/Kg	117		11		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	4600		5300	ug/Kg	115		11		55	128	20
Diethylphthalate	2300		2800	ug/Kg	122	*	10		70	112	20
4-Chlorophenyl-phenylether	2300		2700	ug/Kg	117	*	11		71	108	20
Fluorene	2300		2700	ug/Kg	117	*	11		68	116	20
4-Nitroaniline	2300		2400	ug/Kg	104		8		55	120	20
4,6-Dinitro-2-methylphenol	2300		2700	ug/Kg	117		11		10	160	20
N-Nitrosodiphenylamine	2300		2900	ug/Kg	126	*	10		73	118	20
Azobenzene	2300		2700	ug/Kg	117	*	7		73	110	20
4-Bromophenyl-phenylether	2300		2900	ug/Kg	126	*	7		65	121	20
Hexachlorobenzene	2300		2800	ug/Kg	122	*	6		67	118	20
Atrazine	2300		3200	ug/Kg	139	*	6		79	127	20
Pentachlorophenol	4700		3700	ug/Kg	79		5		47	128	20
Phenanthrene	2300		2800	ug/Kg	122		3		52	128	20
Anthracene	2300		2900	ug/Kg	126	*	7		62	124	20
Carbazole	2300		2600	ug/Kg	113		8		59	119	20
Di-n-butylphthalate	2300		3100	ug/Kg	135	*	6		69	118	20
Fluoranthene	2300		2600	ug/Kg	113		3		44	125	20
Benzdine	4700		2400	ug/Kg	51		4		10	119	20
Pyrene	2300		2400	ug/Kg	104		8		26	142	20
Butylbenzylphthalate	2300		2900	ug/Kg	126		10		64	126	20
3,3-Dichlorobenzidine	2300		2700	ug/Kg	117	*	7		33	116	20
Benzo(a)anthracene	2300		2700	ug/Kg	117	*	14		71	114	20
Chrysene	2300		2700	ug/Kg	117		11		57	121	20
bis(2-Ethylhexyl)phthalate	2300		2800	ug/Kg	122		6		42	169	20
Di-n-octyl phthalate	2300		2600	ug/Kg	113		11		23	175	20
Benzo(b)fluoranthene	2300		2800	ug/Kg	122	*	10		67	121	20
Benzo(k)fluoranthene	2300		3000	ug/Kg	130		10		57	134	20
Benzo(a)pyrene	2300		2900	ug/Kg	126		10		70	142	20
Indeno(1,2,3-cd)pyrene	2300		2100	ug/Kg	91		9		40	129	20
Dibenz(a,h)anthracene	2300		2100	ug/Kg	91		9		43	123	20
Benzo(g,h,i)perylene	2300		1800	ug/Kg	78		6		24	125	20
1,2,4,5-Tetrachlorobenzene	2300		2500	ug/Kg	109		11		69	124	20
1,4-Dioxane	2300		2000	ug/Kg	87		4		46	112	20
2,3,4,6-Tetrachlorophenol	2300		2400	ug/Kg	104		16		69	112	20
1-Methylnaphthalene	2300		2500	ug/Kg	109		7		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF081324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3519-17MS		Client Sample ID: OU4-CF-01-080724MS		DataFile: BF138976.D							
n-Nitrosodimethylamine	1800		2300	ug/Kg	128	*			66	124	
Pyridine	1800		1600	ug/Kg	89				45	119	
Benzaldehyde	1800		0	ug/Kg	0	*			10	86	
Aniline	1800		1600	ug/Kg	89	*			10	88	
Phenol	1800		2000	ug/Kg	111				67	126	
bis(2-Chloroethyl)ether	1800		1900	ug/Kg	106				54	125	
2-Chlorophenol	1800		2000	ug/Kg	111	*			79	107	
1,2-Dichlorobenzene	1800		2000	ug/Kg	111	*			61	105	
1,3-Dichlorobenzene	1800		1900	ug/Kg	106	*			62	101	
1,4-Dichlorobenzene	1800		1900	ug/Kg	106	*			63	104	
Benzyl Alcohol	1800		2100	ug/Kg	117				47	126	
2-Methylphenol	1800		2000	ug/Kg	111				66	122	
2,2-oxybis(1-Chloropropane)	1800		1900	ug/Kg	106				65	110	
Acetophenone	1800		1900	ug/Kg	106				75	111	
3+4-Methylphenols	1800		2000	ug/Kg	111	*			66	104	
N-Nitroso-di-n-propylamine	1800		2100	ug/Kg	117				59	119	
Hexachloroethane	1800		1900	ug/Kg	106				65	117	
Nitrobenzene	1800		1900	ug/Kg	106				70	119	
Isophorone	1800		2000	ug/Kg	111				76	122	
2-Nitrophenol	1800		2000	ug/Kg	111				54	145	
2,4-Dimethylphenol	1800		2100	ug/Kg	117				44	135	
bis(2-Chloroethoxy)methane	1800		1900	ug/Kg	106				68	112	
2,4-Dichlorophenol	1800		2000	ug/Kg	111				72	118	
1,2,4-Trichlorobenzene	1800		1900	ug/Kg	106	*			57	103	
Benzoic acid	1800		1000	ug/Kg	56				50	104	
Naphthalene	1800		1900	ug/Kg	106				72	110	
4-Chloroaniline	1800		950	ug/Kg	53				10	91	
Hexachlorobutadiene	1800		2000	ug/Kg	111				66	114	
Caprolactam	1800		1900	ug/Kg	106				51	134	
4-Chloro-3-methylphenol	1800		2000	ug/Kg	111				57	132	
2-Methylnaphthalene	1800		2000	ug/Kg	111				59	123	
Hexachlorocyclopentadiene	3600		3500	ug/Kg	97				10	175	
2,4,6-Trichlorophenol	1800		1900	ug/Kg	106				72	117	
2,4,5-Trichlorophenol	1800		1900	ug/Kg	106				72	117	
1,1-Biphenyl	1800		1800	ug/Kg	100				75	113	
2-Chloronaphthalene	1800		1900	ug/Kg	106				67	118	
2-Nitroaniline	1800		2100	ug/Kg	117				69	127	
Dimethylphthalate	1800		2100	ug/Kg	117	*			70	113	
Acenaphthylene	1800		2100	ug/Kg	117				79	118	
2,6-Dinitrotoluene	1800		2000	ug/Kg	111				70	125	
3-Nitroaniline	1800		1300	ug/Kg	72				30	99	
Acenaphthene	1800		1900	ug/Kg	106				70	121	
Total PAH	28800		29900	ug/Kg	104				70	121	
2,4-Dinitrophenol	3600		3000	ug/Kg	83				10	155	
4-Nitrophenol	3600		2700	ug/Kg	75				45	133	
Dibenzofuran	1800		2000	ug/Kg	111	*			72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF081324

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	3600		4000	ug/Kg	111				55	128	
2,4-Dinitrotoluene	1800		2000	ug/Kg	111				55	128	
Diethylphthalate	1800		2100	ug/Kg	117	*			70	112	
4-Chlorophenyl-phenylether	1800		2000	ug/Kg	111	*			71	108	
Fluorene	1800		2000	ug/Kg	111				68	116	
4-Nitroaniline	1800		1800	ug/Kg	100				55	120	
4,6-Dinitro-2-methylphenol	1800		1800	ug/Kg	100				10	160	
N-Nitrosodiphenylamine	1800		2100	ug/Kg	117				73	118	
Azobenzene	1800		2000	ug/Kg	111	*			73	110	
4-Bromophenyl-phenylether	1800		2000	ug/Kg	111				65	121	
Hexachlorobenzene	1800		2000	ug/Kg	111				67	118	
Atrazine	1800		2400	ug/Kg	133	*			79	127	
Pentachlorophenol	3600		2400	ug/Kg	67				47	128	
Phenanthrene	1800		2000	ug/Kg	111				52	128	
Anthracene	1800		2100	ug/Kg	117				62	124	
Carbazole	1800		1900	ug/Kg	106				59	119	
Di-n-butylphthalate	1800		2200	ug/Kg	122	*			69	118	
Fluoranthene	1800		1800	ug/Kg	100				44	125	
Benzydine	3600		1600	ug/Kg	44				10	119	
Pyrene	1800		1700	ug/Kg	94				26	142	
Butylbenzylphthalate	1800		2200	ug/Kg	122				64	126	
3,3-Dichlorobenzidine	1800		1800	ug/Kg	100				33	116	
Benzo(a)anthracene	1800		2000	ug/Kg	111				71	114	
Chrysene	1800		2000	ug/Kg	111				57	121	
bis(2-Ethylhexyl)phthalate	1800		2000	ug/Kg	111				42	169	
Di-n-octyl phthalate	1800		1900	ug/Kg	106				23	175	
Benzo(b)fluoranthene	1800		2000	ug/Kg	111				67	121	
Benzo(k)fluoranthene	1800		2300	ug/Kg	128				57	134	
Benzo(a)pyrene	1800		2100	ug/Kg	117				70	142	
Indeno(1,2,3-cd)pyrene	1800		1400	ug/Kg	78				40	129	
Dibenz(a,h)anthracene	1800		1400	ug/Kg	78				43	123	
Benzo(g,h,i)perylene	1800		1200	ug/Kg	67				24	125	
1,2,4,5-Tetrachlorobenzene	1800		1900	ug/Kg	106				69	124	
1,4-Dioxane	1800		1600	ug/Kg	89				46	112	
2,3,4,6-Tetrachlorophenol	1800		1900	ug/Kg	106				69	112	
1-Methylnaphthalene	1800		1800	ug/Kg	100				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF081324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3519-17MSD		Client Sample ID: OU4-CF-01-080724MSD		DataFile: BF138977.D							
n-Nitrosodimethylamine	1800		2300	ug/Kg	128	*	0		66	124	20
Pyridine	1800		1600	ug/Kg	89		0		45	119	20
Benzaldehyde	1800		0	ug/Kg	0	*			10	86	20
Aniline	1800		1600	ug/Kg	89	*	0		10	88	20
Phenol	1800		2000	ug/Kg	111		0		67	126	20
bis(2-Chloroethyl)ether	1800		1900	ug/Kg	106		0		54	125	20
2-Chlorophenol	1800		2000	ug/Kg	111	*	0		79	107	20
1,2-Dichlorobenzene	1800		2000	ug/Kg	111	*	0		61	105	20
1,3-Dichlorobenzene	1800		1900	ug/Kg	106	*	0		62	101	20
1,4-Dichlorobenzene	1800		1900	ug/Kg	106	*	0		63	104	20
Benzyl Alcohol	1800		2100	ug/Kg	117		0		47	126	20
2-Methylphenol	1800		1900	ug/Kg	106		5		66	122	20
2,2-oxybis(1-Chloropropane)	1800		1900	ug/Kg	106		0		65	110	20
Acetophenone	1800		1900	ug/Kg	106		0		75	111	20
3+4-Methylphenols	1800		2000	ug/Kg	111	*	0		66	104	20
N-Nitroso-di-n-propylamine	1800		2100	ug/Kg	117		0		59	119	20
Hexachloroethane	1800		2000	ug/Kg	111		5		65	117	20
Nitrobenzene	1800		1900	ug/Kg	106		0		70	119	20
Isophorone	1800		2000	ug/Kg	111		0		76	122	20
2-Nitrophenol	1800		2100	ug/Kg	117		5		54	145	20
2,4-Dimethylphenol	1800		2200	ug/Kg	122		4		44	135	20
bis(2-Chloroethoxy)methane	1800		1900	ug/Kg	106		0		68	112	20
2,4-Dichlorophenol	1800		2000	ug/Kg	111		0		72	118	20
1,2,4-Trichlorobenzene	1800		2000	ug/Kg	111	*	5		57	103	20
Benzoic acid	1800		1300	ug/Kg	72		25	*	50	104	20
Naphthalene	1800		1900	ug/Kg	106		0		72	110	20
4-Chloroaniline	1800		960	ug/Kg	53		0		10	91	20
Hexachlorobutadiene	1800		2000	ug/Kg	111		0		66	114	20
Caprolactam	1800		1900	ug/Kg	106		0		51	134	20
4-Chloro-3-methylphenol	1800		2100	ug/Kg	117		5		57	132	20
2-Methylnaphthalene	1800		2000	ug/Kg	111		0		59	123	20
Hexachlorocyclopentadiene	3600		3500	ug/Kg	97		0		10	175	20
2,4,6-Trichlorophenol	1800		2000	ug/Kg	111		5		72	117	20
2,4,5-Trichlorophenol	1800		1900	ug/Kg	106		0		72	117	20
1,1-Biphenyl	1800		1800	ug/Kg	100		0		75	113	20
2-Chloronaphthalene	1800		2000	ug/Kg	111		5		67	118	20
2-Nitroaniline	1800		2100	ug/Kg	117		0		69	127	20
Dimethylphthalate	1800		2100	ug/Kg	117	*	0		70	113	20
Acenaphthylene	1800		2100	ug/Kg	117		0		79	118	20
2,6-Dinitrotoluene	1800		2000	ug/Kg	111		0		70	125	20
3-Nitroaniline	1800		1400	ug/Kg	78		8		30	99	20
Acenaphthene	1800		1900	ug/Kg	106		0		70	121	20
Total PAH	28800		30400	ug/Kg	106		2		70	121	20
2,4-Dinitrophenol	3600		3200	ug/Kg	89		7		10	155	20
4-Nitrophenol	3600		2900	ug/Kg	81		8		45	133	20
Dibenzofuran	1800		2000	ug/Kg	111	*	0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF081324

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	3600		4100	ug/Kg	114		3		55	128	20
2,4-Dinitrotoluene	1800		2100	ug/Kg	117		5		55	128	20
Diethylphthalate	1800		2200	ug/Kg	122	*	4		70	112	20
4-Chlorophenyl-phenylether	1800		2000	ug/Kg	111	*	0		71	108	20
Fluorene	1800		2000	ug/Kg	111		0		68	116	20
4-Nitroaniline	1800		1900	ug/Kg	106		6		55	120	20
4,6-Dinitro-2-methylphenol	1800		2000	ug/Kg	111		10		10	160	20
N-Nitrosodiphenylamine	1800		2200	ug/Kg	122	*	4		73	118	20
Azobenzene	1800		2000	ug/Kg	111	*	0		73	110	20
4-Bromophenyl-phenylether	1800		2100	ug/Kg	117		5		65	121	20
Hexachlorobenzene	1800		2100	ug/Kg	117		5		67	118	20
Atrazine	1800		2500	ug/Kg	139	*	4		79	127	20
Pentachlorophenol	3600		2600	ug/Kg	72		7		47	128	20
Phenanthrene	1800		2100	ug/Kg	117		5		52	128	20
Anthracene	1800		2200	ug/Kg	122		4		62	124	20
Carbazole	1800		2000	ug/Kg	111		5		59	119	20
Di-n-butylphthalate	1800		2300	ug/Kg	128	*	5		69	118	20
Fluoranthene	1800		1900	ug/Kg	106		6		44	125	20
Benzydine	3600		1600	ug/Kg	44		0		10	119	20
Pyrene	1800		1700	ug/Kg	94		0		26	142	20
Butylbenzylphthalate	1800		2200	ug/Kg	122		0		64	126	20
3,3-Dichlorobenzidine	1800		1900	ug/Kg	106		6		33	116	20
Benzo(a)anthracene	1800		2000	ug/Kg	111		0		71	114	20
Chrysene	1800		2000	ug/Kg	111		0		57	121	20
bis(2-Ethylhexyl)phthalate	1800		2000	ug/Kg	111		0		42	169	20
Di-n-octyl phthalate	1800		1800	ug/Kg	100		6		23	175	20
Benzo(b)fluoranthene	1800		2100	ug/Kg	117		5		67	121	20
Benzo(k)fluoranthene	1800		2300	ug/Kg	128		0		57	134	20
Benzo(a)pyrene	1800		2200	ug/Kg	122		4		70	142	20
Indeno(1,2,3-cd)pyrene	1800		1400	ug/Kg	78		0		40	129	20
Dibenz(a,h)anthracene	1800		1400	ug/Kg	78		0		43	123	20
Benzo(g,h,i)perylene	1800		1200	ug/Kg	67		0		24	125	20
1,2,4,5-Tetrachlorobenzene	1800		1900	ug/Kg	106		0		69	124	20
1,4-Dioxane	1800		1600	ug/Kg	89		0		46	112	20
2,3,4,6-Tetrachlorophenol	1800		2000	ug/Kg	111		5		69	112	20
1-Methylnaphthalene	1800		1900	ug/Kg	106		6		70	130	20

Surrogate Summary

SW-846

SDG No.: BF081324

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162455TB	PB162455TB	BF138968.D	2-Fluorophenol	150	119.83	80		10	139
			Phenol-d6	150	119.05	79		10	134
			Nitrobenzene-d5	100	82.29	82		49	133
			2-Fluorobiphenyl	100	81.98	82		52	132
			2,4,6-Tribromophenol	150	124.73	83		44	137
			Terphenyl-d14	100	111.92	112		48	125

Surrogate Summary

SW-846

SDG No.: BF081324

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162520BS	PB162520BS	BF138967.D	2-Fluorophenol	150	132.82	89		18	112
			Phenol-d6	150	130.11	87		15	107
			Nitrobenzene-d5	100	87.15	87		18	107
			2-Fluorobiphenyl	100	86.86	87		20	109
			2,4,6-Tribromophenol	150	135.27	90		10	116
			Terphenyl-d14	100	110.59	111	*	10	105

Surrogate Summary

SW-846

SDG No.: **BF081324**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3519-17	OU4-CF-01-080724BF138975.D		2-Fluorophenol	150	140.04	93		18	112
			Phenol-d6	150	139.62	93		15	107
			Nitrobenzene-d5	100	94.60	95		18	107
			2-Fluorobiphenyl	100	92.03	92		20	109
			2,4,6-Tribromophenol	150	135.48	90		10	116
			Terphenyl-d14	100	95.20	95		10	105
P3519-17MS	OU4-CF-01-080724BF138976.D		2-Fluorophenol	150	130.47	87		18	112
			Phenol-d6	150	131.05	87		15	107
			Nitrobenzene-d5	100	89.93	90		18	107
			2-Fluorobiphenyl	100	88.37	88		20	109
			2,4,6-Tribromophenol	150	128.54	86		10	116
			Terphenyl-d14	100	83.74	84		10	105
P3519-17MSD	OU4-CF-01-080724BF138977.D		2-Fluorophenol	150	131.49	88		18	112
			Phenol-d6	150	130.70	87		15	107
			Nitrobenzene-d5	100	92.28	92		18	107
			2-Fluorobiphenyl	100	88.65	89		20	109
			2,4,6-Tribromophenol	150	130.84	87		10	116
			Terphenyl-d14	100	84.27	84		10	105

Surrogate Summary

SW-846

SDG No.: **BF081324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3512-04	927-KI-SD-0.5-1.0- BF138969.D		2-Fluorophenol	150	105.05	70		18	112
			Phenol-d6	150	105.86	71		15	107
			Nitrobenzene-d5	100	71.12	71		18	107
			2-Fluorobiphenyl	100	61.67	62		20	109
			2,4,6-Tribromophenol	150	103.06	69		10	116
			Terphenyl-d14	100	65.09	65		10	105
P3512-04MS	927-KI-SD-0.5-1.0- BF138970.D		2-Fluorophenol	150	110.25	73		18	112
			Phenol-d6	150	113.49	76		15	107
			Nitrobenzene-d5	100	75.67	76		18	107
			2-Fluorobiphenyl	100	66.55	67		20	109
			2,4,6-Tribromophenol	150	107.20	71		10	116
			Terphenyl-d14	100	64.69	65		10	105
P3512-04MSD	927-KI-SD-0.5-1.0- BF138971.D		2-Fluorophenol	150	104.92	70		18	112
			Phenol-d6	150	107.13	71		15	107
			Nitrobenzene-d5	100	70.61	71		18	107
			2-Fluorobiphenyl	100	59.99	60		20	109
			2,4,6-Tribromophenol	150	95.48	64		10	116
			Terphenyl-d14	100	60.28	60		10	105
P3520-09	OU4-CF-12-080624BF138972.D		2-Fluorophenol	150	56.63	38		18	112
			Phenol-d6	150	57.73	38		15	107
			Nitrobenzene-d5	100	40.82	41		18	107
			2-Fluorobiphenyl	100	42.54	43		20	109
			2,4,6-Tribromophenol	150	55.44	37		10	116
			Terphenyl-d14	100	46.32	46		10	105
P3520-15	OU4-VSL-01-0806:BF138973.D		2-Fluorophenol	150	93.87	63		18	112
			Phenol-d6	150	94.39	63		15	107
			Nitrobenzene-d5	100	64.84	65		18	107
			2-Fluorobiphenyl	100	66.54	67		20	109
			2,4,6-Tribromophenol	150	93.78	63		10	116
			Terphenyl-d14	100	77.04	77		10	105
P3520-17	OU4-57S-01-08062 BF138974.D		2-Fluorophenol	150	82.38	55		18	112
			Phenol-d6	150	83.16	55		15	107
			Nitrobenzene-d5	100	57.50	58		18	107
			2-Fluorobiphenyl	100	60.69	61		20	109
			2,4,6-Tribromophenol	150	79.93	53		10	116
			Terphenyl-d14	100	69.15	69		10	105

Surrogate Summary

SW-846

SDG No.: **BF081324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162612TB	PB162612TB	BF138966.D	2-Fluorophenol	150	122.53	82		10	139
			Phenol-d6	150	120.70	80		10	134
			Nitrobenzene-d5	100	82.88	83		49	133
			2-Fluorobiphenyl	100	81.72	82		52	132
			2,4,6-Tribromophenol	150	129.20	86		44	137
			Terphenyl-d14	100	108.28	108		48	125

Surrogate Summary

SW-846

SDG No.: **BF081324**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162562TB	PB162562TB	BF138985.D	2-Fluorophenol	150	132.88	89		10	139
			Phenol-d6	150	131.52	88		10	134
			Nitrobenzene-d5	100	91.62	92		49	133
			2-Fluorobiphenyl	100	92.30	92		52	132
			2,4,6-Tribromophenol	150	132.39	88		44	137
			Terphenyl-d14	100	124.37	124		48	125
PB162639BS	PB162639BS	BF138984.D	2-Fluorophenol	150	139.27	93		10	139
			Phenol-d6	150	141.63	94		10	134
			Nitrobenzene-d5	100	95.29	95		49	133
			2-Fluorobiphenyl	100	97.13	97		52	132
			2,4,6-Tribromophenol	150	148.18	99		44	137
			Terphenyl-d14	100	118.57	119		48	125

Surrogate Summary

SW-846

SDG No.: **BF081324**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162621TB	PB162621TB	BF138983.D	2-Fluorophenol	150	164.79	110		10	139
			Phenol-d6	150	163.34	109		10	134
			Nitrobenzene-d5	100	111.33	111		49	133
			2-Fluorobiphenyl	100	110.95	111		52	132
			2,4,6-Tribromophenol	150	159.68	106		44	137
			Terphenyl-d14	100	146.39	146	*	48	125
PB162660BL	PB162660BL	BF138981.D	2-Fluorophenol	150	166.72	111		10	139
			Phenol-d6	150	163.89	109		10	134
			Nitrobenzene-d5	100	111.19	111		49	133
			2-Fluorobiphenyl	100	111.81	112		52	132
			2,4,6-Tribromophenol	150	165.17	110		44	137
			Terphenyl-d14	100	147.56	148	*	48	125
PB162660BS	PB162660BS	BF138982.D	2-Fluorophenol	150	130.06	87		10	139
			Phenol-d6	150	128.31	86		10	134
			Nitrobenzene-d5	100	86.29	86		49	133
			2-Fluorobiphenyl	100	87.90	88		52	132
			2,4,6-Tribromophenol	150	133.67	89		44	137
			Terphenyl-d14	100	105.70	106		48	125

Surrogate Summary

SW-846

SDG No.: BF081324

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3536-01	MANHOLE	BF138986.D	2-Fluorophenol	150	73.45	49		10	139
			Phenol-d6	150	46.89	31		10	134
			Nitrobenzene-d5	100	84.55	85		49	133
			2-Fluorobiphenyl	100	84.71	85		52	132
			2,4,6-Tribromophenol	150	142.29	95		44	137
			Terphenyl-d14	100	122.60	123		48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF081324

Lab Code: CHEM

SAS No.: BF081324 SDG NO.: BF081324

Lab File ID: BF138964.D

DFTPP Injection Date: 08/13/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	49.1
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	42.5
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	50.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.2
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	73.5
443	15.0 - 24.0% of mass 442	14.4 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF138965.D	08/13/2024	10:08
PB162612TB	PB162612TB	BF138966.D	08/13/2024	10:38
PB162520BS	PB162520BS	BF138967.D	08/13/2024	11:08
PB162455TB	PB162455TB	BF138968.D	08/13/2024	11:38
927-KI-SD-0.5-1.0-080724	P3512-04	BF138969.D	08/13/2024	12:16
927-KI-SD-0.5-1.0-080724MS	P3512-04MS	BF138970.D	08/13/2024	12:47
927-KI-SD-0.5-1.0-080724MSD	P3512-04MSD	BF138971.D	08/13/2024	13:17
OU4-CF-12-080624	P3520-09	BF138972.D	08/13/2024	13:47
OU4-VSL-01-080624	P3520-15	BF138973.D	08/13/2024	14:18
OU4-57S-01-080624	P3520-17	BF138974.D	08/13/2024	14:48
OU4-CF-01-080724	P3519-17	BF138975.D	08/13/2024	15:19
OU4-CF-01-080724MS	P3519-17MS	BF138976.D	08/13/2024	15:49
OU4-CF-01-080724MSD	P3519-17MSD	BF138977.D	08/13/2024	16:20
SSTDCCC040EC	SSTDCCC040	BF138978.D	08/13/2024	16:58

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF081324

Lab Code: CHEM

SAS No.: BF081324

SDG NO.: BF081324

Lab File ID: BF138979.D

DFTPP Injection Date: 08/13/2024

Instrument ID: BNA_F

DFTPP Injection Time: 17:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	50.9
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	41.8
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	51.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	26.1
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	11.9
442	Greater than 50% of mass 198	75.1
443	15.0 - 24.0% of mass 442	14.1 (18.8) 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	BF138980.D	08/13/2024	18:33
PB162660BL	PB162660BL	BF138981.D	08/13/2024	19:03
PB162660BS	PB162660BS	BF138982.D	08/13/2024	19:33
PB162621TB	PB162621TB	BF138983.D	08/13/2024	20:03
PB162639BS	PB162639BS	BF138984.D	08/13/2024	20:33
PB162562TB	PB162562TB	BF138985.D	08/13/2024	21:04
MANHOLE	P3536-01	BF138986.D	08/13/2024	21:34