

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF100824 SAS No.: BF100824 SDG No.: BF100824
Instrument ID: BNA_F Calibration Date/Time: 10/8/2024 1:09:39
Lab File ID: BF139701.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	0.794	0.764		-3.778	
Pyridine	1.213	1.233		1.649	
2-Fluorophenol	1.154	1.159		0.433	
Benzaldehyde	0.822	0.781		-4.988	
Aniline	1.377	1.240		-9.949	
Phenol-d6	1.552	1.556		0.258	
Phenol	1.632	1.649		1.042	20.0
bis(2-Chloroethyl) ether	1.329	1.224		-7.901	
2-Chlorophenol	1.236	1.238		0.162	
1,2-Dichlorobenzene	1.320	1.289		-2.348	
1,3-Dichlorobenzene	1.391	1.370		-1.51	
1,4-Dichlorobenzene	1.409	1.378		-2.2	20.0
Benzyl Alcohol	1.186	1.162		-2.024	
2-Methylphenol	1.032	1.016		-1.55	
2,2-oxybis(1-Chloropropane)	2.300	2.156		-6.261	
Acetophenone	0.475	0.455		-4.211	
3+4-Methylphenols	1.296	1.284		-0.926	
n-Nitroso-di-n-propylamine	0.998	0.936	0.050	-6.212	
Nitrobenzene-d5	0.395	0.382		-3.291	
Hexachloroethane	0.525	0.503		-4.19	
Nitrobenzene	0.409	0.396		-3.178	
Isophorone	0.702	0.659		-6.125	
2-Nitrophenol	0.176	0.175		-0.568	20.0
2,4-Dimethylphenol	0.215	0.208		-3.256	
bis(2-Chloroethoxy) methane	0.419	0.393		-6.205	
2,4-Dichlorophenol	0.281	0.278		-1.068	20.0
1,2,4-Trichlorobenzene	0.318	0.306		-3.774	
Benzoic acid	0.214	0.225		5.14	
Naphthalene	1.023	0.997		-2.542	
4-Chloroaniline	0.346	0.322		-6.936	
Hexachlorobutadiene	0.205	0.194		-5.366	20.0
Caprolactam	0.092	0.094		2.174	
4-Chloro-3-methylphenol	0.318	0.310		-2.516	20.0
2-Methylnaphthalene	0.666	0.630		-5.405	
Hexachlorocyclopentadiene	0.170	0.141	0.050	-17.059	
2,4,6-Trichlorophenol	0.374	0.350		-6.417	20.0
2-Fluorobiphenyl	1.303	1.211		-7.061	
2,4,5-Trichlorophenol	0.404	0.389		-3.713	
1,1-Biphenyl	1.488	1.403		-5.712	

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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
2-Chloronaphthalene	1.115	1.061		-4.843	
2-Nitroaniline	0.400	0.396		-1.0	
Dimethylphthalate	1.309	1.237		-5.5	
Acenaphthylene	1.696	1.622		-4.363	
2,6-Dinitrotoluene	0.296	0.293		-1.014	
3-Nitroaniline	0.302	0.296		-1.987	
Acenaphthene	1.164	1.106		-4.983	20.0
2,4-Dinitrophenol	0.159	0.159	0.050	0.0	
4-Nitrophenol	0.230	0.217	0.050	-5.652	
Dibenzofuran	1.630	1.554		-4.663	
2,4-Dinitrotoluene	0.387	0.385		-0.517	
Diethylphthalate	1.352	1.275		-5.695	
4-Chlorophenyl-phenylether	0.650	0.611		-6.0	
Fluorene	1.298	1.253		-3.467	
4-Nitroaniline	0.309	0.304		-1.618	
4,6-Dinitro-2-methylphenol	0.113	0.115		1.77	
n-Nitrosodiphenylamine	0.590	0.555		-5.932	20.0
Azobenzene	1.360	1.269		-6.691	
2,4,6-Tribromophenol	0.193	0.183		-5.181	
4-Bromophenyl-phenylether	0.205	0.189		-7.805	
Hexachlorobenzene	0.228	0.212		-7.018	
Atrazine	0.158	0.114		-27.848	
Pentachlorophenol	0.135	0.127		-5.926	20.0
Phenanthrene	0.943	0.898		-4.772	
Anthracene	0.933	0.897		-3.859	
Carbazole	0.896	0.890		-0.67	
Di-n-butylphthalate	1.090	1.048		-3.853	
Fluoranthene	1.031	1.016		-1.455	20.0
Benzidine	0.353	0.281		-20.397	
Pyrene	1.789	1.775		-0.783	
Terphenyl-d14	1.219	1.190		-2.379	
Butylbenzylphthalate	0.640	0.662		3.438	
3,3-Dichlorobenzidine	0.402	0.364		-9.453	
Benzo(a)anthracene	1.315	1.265		-3.802	
Chrysene	1.202	1.177		-2.08	
Bis(2-ethylhexyl)phthalate	0.799	0.821		2.753	
Di-n-octyl phthalate	1.174	1.104		-5.963	20.0
Benzo(b)fluoranthene	1.293	1.195		-7.579	
Benzo(k)fluoranthene	1.097	1.144		4.284	

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Instrument ID: BNA_F Calibration Date/Time: 10/8/2024 1:09:39

Lab File ID: BF139701.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	1.020	0.998		-2.157	20.0
Indeno(1,2,3-cd)pyrene	1.177	1.190		1.105	
Dibenzo(a,h)anthracene	0.976	0.984		0.82	
Benzo(g,h,i)perylene	0.979	1.024		4.597	
1,2,4,5-Tetrachlorobenzene	0.555	0.527		-5.045	
1,4-Dioxane	0.499	0.483		-3.206	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.317		-2.761	
1-Methylnaphthalene	0.651	0.623		-4.301	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163952BL	SDG No.:	BF100824
Lab Sample ID:	PB163952BL	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
BF139702.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

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:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163952BL	SDG No.:	BF100824
Lab Sample ID:	PB163952BL	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
BF139702.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

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:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163952BL	SDG No.:	BF100824
Lab Sample ID:	PB163952BL	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
BF139702.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

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	130.575		10-139		87	SPK: -150
13127-88-3	Phenol-d6	126.977		10-134		85	SPK: -150
4165-60-0	Nitrobenzene-d5	85.144		49-133		85	SPK: -100
321-60-8	2-Fluorobiphenyl	82.494		52-132		82	SPK: -100

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163952BL	SDG No.:	BF100824
Lab Sample ID:	PB163952BL	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
BF139702.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	123.027		44-137		82	SPK: -150
1718-51-0	Terphenyl-d14	81.416		48-125		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	98695	6.869				
1146-65-2	Naphthalene-d8	381324	8.151				
15067-26-2	Acenaphthene-d10	220064	9.904				
1517-22-2	Phenanthrene-d10	429568	11.392				
1719-03-5	Chrysene-d12	288229	14.033				
1520-96-3	Perylene-d12	223739	15.509				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	5.6	J			2.222	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	6.8	A			5.11	

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163952BS	SDG No.:	BF100824
Lab Sample ID:	PB163952BS	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
BF139703.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	43.1		1	8	10	ug/L
110-86-1	Pyridine	41		1.6	4	5	ug/L
100-52-7	Benzaldehyde	22.7		4	8	10	ug/L
62-53-3	Aniline	48.5		1.6	4	5	ug/L
108-95-2	Phenol	45.9		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	42.5		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	46.8		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	43.2		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	42.3		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	43.1		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	46		1.6	8	10	ug/L
95-48-7	2-Methylphenol	45.5		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	44.2		1.4	4	5	ug/L
98-86-2	Acetophenone	43.5		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	45.1		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.2		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	42.1		1	4	5	ug/L
98-95-3	Nitrobenzene	42.1		1.3	4	5	ug/L
78-59-1	Isophorone	44.2		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	46.4		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	55		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.4		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	45.4		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	41.7		1.1	4	5	ug/L
65-85-0	Benzoic acid	45.9		5.5	8	10	ug/L
91-20-3	Naphthalene	43.5		1	4	5	ug/L
106-47-8	4-Chloroaniline	25		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	41.2		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163952BS	SDG No.:	BF100824
Lab Sample ID:	PB163952BS	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
BF139703.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	47		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	45.4		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	43.9		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	160	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	43.7		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	43.7		1	4	5	ug/L
92-52-4	1,1-Biphenyl	42.2		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	42.6		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	45.6		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	44.4		0.93	4	5	ug/L
208-96-8	Acenaphthylene	46.1		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	42.8		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	34.4		1.4	4	5	ug/L
83-32-9	Acenaphthene	48.5		0.81	4	5	ug/L
Total PAH	Total PAH	739.8		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	94.7	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	91.7	E	2	8	10	ug/L
132-64-9	Dibenzofuran	43.8		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	87.7		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	44.9		1.5	4	5	ug/L
84-66-2	Diethylphthalate	43.6		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.2		0.98	4	5	ug/L
86-73-7	Fluorene	43.6		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	45.9		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	46.9		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	44.3		0.89	4	5	ug/L
103-33-3	Azobenzene	44		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	42.7		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	42.8		1.1	4	5	ug/L
1912-24-9	Atrazine	54.5		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163952BS	SDG No.:	BF100824
Lab Sample ID:	PB163952BS	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
BF139703.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	84.2	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	45.6		0.89	4	5	ug/L
120-12-7	Anthracene	46.9		1.1	4	5	ug/L
86-74-8	Carbazole	45.4		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	44.8		1.5	4	5	ug/L
206-44-0	Fluoranthene	45.7		1.3	4	5	ug/L
92-87-5	Benzidine	67.9		4.1	8	10	ug/L
129-00-0	Pyrene	45.9		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	48.7		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	34.5		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	46.3		0.94	4	5	ug/L
218-01-9	Chrysene	46.1		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.6		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	46		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	41.8		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	49.2		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	48.5		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.7		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	48.1		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	45.3		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.2		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	38.1		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.9		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	41.4		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	127.714		10-139		85	SPK: -150
13127-88-3	Phenol-d6	126.483		10-134		84	SPK: -150
4165-60-0	Nitrobenzene-d5	85.47		49-133		85	SPK: -100
321-60-8	2-Fluorobiphenyl	82.101		52-132		82	SPK: -100

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163952BS	SDG No.:	BF100824
Lab Sample ID:	PB163952BS	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
BF139703.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	126.315		44-137		84	SPK: -150
1718-51-0	Terphenyl-d14	90.816		48-125		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	101550	6.875				
1146-65-2	Naphthalene-d8	388070	8.157				
15067-26-2	Acenaphthene-d10	223737	9.91				
1517-22-2	Phenanthrene-d10	426523	11.398				
1719-03-5	Chrysene-d12	249491	14.039				
1520-96-3	Perylene-d12	187304	15.51				

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163910TB	SDG No.:	BF100824
Lab Sample ID:	PB163910TB	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
BF139704.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

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:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163910TB	SDG No.:	BF100824
Lab Sample ID:	PB163910TB	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
BF139704.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

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:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163910TB	SDG No.:	BF100824
Lab Sample ID:	PB163910TB	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
BF139704.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

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	145.103		10-139		97	SPK: -150
13127-88-3	Phenol-d6	142.426		10-134		95	SPK: -150
4165-60-0	Nitrobenzene-d5	97.861		49-133		98	SPK: -100
321-60-8	2-Fluorobiphenyl	94.023		52-132		94	SPK: -100

Report of Analysis

Client:		Date Collected:	10/7/2024 12:00:00 AM
Project:		Date Received:	10/7/2024 12:00:00 AM
Client Sample ID:	PB163910TB	SDG No.:	BF100824
Lab Sample ID:	PB163910TB	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
BF139704.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	140.255		44-137		94	SPK: -150
1718-51-0	Terphenyl-d14	91.085		48-125		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89827	6.869				
1146-65-2	Naphthalene-d8	338052	8.151				
15067-26-2	Acenaphthene-d10	194893	9.904				
1517-22-2	Phenanthrene-d10	382271	11.392				
1719-03-5	Chrysene-d12	263260	14.033				
1520-96-3	Perylene-d12	196455	15.504				

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	IB-4	SDG No.:	BF100824
Lab Sample ID:	P4290-04	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
BF139705.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

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:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	IB-4	SDG No.:	BF100824
Lab Sample ID:	P4290-04	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
BF139705.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

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:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	IB-4	SDG No.:	BF100824
Lab Sample ID:	P4290-04	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
BF139705.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

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	250		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	137.608		10-139		92	SPK: -150
13127-88-3	Phenol-d6	126.998		10-134		85	SPK: -150
4165-60-0	Nitrobenzene-d5	97.713		49-133		98	SPK: -100
321-60-8	2-Fluorobiphenyl	92.82		52-132		93	SPK: -100

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	IB-4	SDG No.:	BF100824
Lab Sample ID:	P4290-04	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
BF139705.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	142.349		44-137		95	SPK: -150
1718-51-0	Terphenyl-d14	96.796		48-125		97	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89701	6.869				
1146-65-2	Naphthalene-d8	343039	8.145				
15067-26-2	Acenaphthene-d10	194140	9.898				
1517-22-2	Phenanthrene-d10	373199	11.386				
1719-03-5	Chrysene-d12	223398	14.027				
1520-96-3	Perylene-d12	184671	15.498				

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	IB-4MS	SDG No.:	BF100824
Lab Sample ID:	P4290-04MS	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
BF139706.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	530		10.3	80	100	ug/L
110-86-1	Pyridine	450		15.5	40	50	ug/L
100-52-7	Benzaldehyde	120		40	80	100	ug/L
62-53-3	Aniline	260		16	40	50	ug/L
108-95-2	Phenol	490		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	530		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	560		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	530		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	520		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	530		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	560		16	80	100	ug/L
95-48-7	2-Methylphenol	530		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	540		13.5	40	50	ug/L
98-86-2	Acetophenone	540		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	540		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	540		14.8	25	25	ug/L
67-72-1	Hexachloroethane	510		10.1	40	50	ug/L
98-95-3	Nitrobenzene	520		12.7	40	50	ug/L
78-59-1	Isophorone	550		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	540		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	670		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	530		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	550		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	510		11	40	50	ug/L
65-85-0	Benzoic acid	510		54.7	80	100	ug/L
91-20-3	Naphthalene	530		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	87.2		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	510		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	IB-4MS	SDG No.:	BF100824
Lab Sample ID:	P4290-04MS	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
BF139706.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	480		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	530		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	530		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1500	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	550		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	540		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	540		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	540		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	560		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	570		9.3	40	50	ug/L
208-96-8	Acenaphthylene	580		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	530		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	280		13.7	40	50	ug/L
83-32-9	Acenaphthene	580		8.1	40	50	ug/L
Total PAH	Total PAH	8720		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	950	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	1000	E	20	80	100	ug/L
132-64-9	Dibenzofuran	550		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1060		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	530		15.2	40	50	ug/L
84-66-2	Diethylphthalate	540		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	520		9.8	40	50	ug/L
86-73-7	Fluorene	530		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	500		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	500		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	580		8.9	40	50	ug/L
103-33-3	Azobenzene	530		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	550		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	550		11.4	40	50	ug/L
1912-24-9	Atrazine	690		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	IB-4MS	SDG No.:	BF100824
Lab Sample ID:	P4290-04MS	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
BF139706.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1000	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	560		8.9	40	50	ug/L
120-12-7	Anthracene	580		10.7	40	50	ug/L
86-74-8	Carbazole	550		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	580		14.7	40	50	ug/L
206-44-0	Fluoranthene	520		12.9	40	50	ug/L
92-87-5	Benzidine	330		40.7	80	100	ug/L
129-00-0	Pyrene	500		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	580		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	380		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	550		9.4	40	50	ug/L
218-01-9	Chrysene	570		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	630		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	690		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	530		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	590		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	600		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	520		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	530		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	450		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	550		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	510		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	540		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	500		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	147.968		10-139		99	SPK: -150
13127-88-3	Phenol-d6	136.6		10-134		91	SPK: -150
4165-60-0	Nitrobenzene-d5	105.718		49-133		106	SPK: -100
321-60-8	2-Fluorobiphenyl	105.299		52-132		105	SPK: -100

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	IB-4MS	SDG No.:	BF100824
Lab Sample ID:	P4290-04MS	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
BF139706.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	147.897		44-137		99	SPK: -150
1718-51-0	Terphenyl-d14	98.198		48-125		98	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	77421	6.869				
1146-65-2	Naphthalene-d8	293282	8.151				
15067-26-2	Acenaphthene-d10	160654	9.904				
1517-22-2	Phenanthrene-d10	284403	11.392				
1719-03-5	Chrysene-d12	175389	14.033				
1520-96-3	Perylene-d12	162323	15.498				

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	IB-4MSD	SDG No.:	BF100824
Lab Sample ID:	P4290-04MSD	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
BF139707.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	520		10.3	80	100	ug/L
110-86-1	Pyridine	430		15.5	40	50	ug/L
100-52-7	Benzaldehyde	120		40	80	100	ug/L
62-53-3	Aniline	240		16	40	50	ug/L
108-95-2	Phenol	460		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	520		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	530		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	510		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	500		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	500		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	540		16	80	100	ug/L
95-48-7	2-Methylphenol	510		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	520		13.5	40	50	ug/L
98-86-2	Acetophenone	510		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	510		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	510		14.8	25	25	ug/L
67-72-1	Hexachloroethane	490		10.1	40	50	ug/L
98-95-3	Nitrobenzene	490		12.7	40	50	ug/L
78-59-1	Isophorone	510		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	510		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	620		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	510		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	510		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	480		11	40	50	ug/L
65-85-0	Benzoic acid	490		54.7	80	100	ug/L
91-20-3	Naphthalene	510		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	75.8		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	480		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	IB-4MSD	SDG No.:	BF100824
Lab Sample ID:	P4290-04MSD	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
BF139707.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	450		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	500		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	500		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1500	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	530		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	510		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	520		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	510		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	530		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	540		9.3	40	50	ug/L
208-96-8	Acenaphthylene	550		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	500		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	250		13.7	40	50	ug/L
83-32-9	Acenaphthene	550		8.1	40	50	ug/L
Total PAH	Total PAH	8200		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	910	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	940	E	20	80	100	ug/L
132-64-9	Dibenzofuran	510		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	510		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	510		27.6	40	100	ug/L
84-66-2	Diethylphthalate	510		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	490		9.8	40	50	ug/L
86-73-7	Fluorene	500		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	460		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	480		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	550		8.9	40	50	ug/L
103-33-3	Azobenzene	500		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	520		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	520		11.4	40	50	ug/L
1912-24-9	Atrazine	640		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	IB-4MSD	SDG No.:	BF100824
Lab Sample ID:	P4290-04MSD	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
BF139707.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	990	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	530		8.9	40	50	ug/L
120-12-7	Anthracene	550		10.7	40	50	ug/L
86-74-8	Carbazole	520		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	540		14.7	40	50	ug/L
206-44-0	Fluoranthene	500		12.9	40	50	ug/L
92-87-5	Benzidine	320		40.7	80	100	ug/L
129-00-0	Pyrene	460		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	530		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	360		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	530		9.4	40	50	ug/L
218-01-9	Chrysene	540		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	580		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	640		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	540		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	490		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	560		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	480		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	490		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	420		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	520		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	490		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	510		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	470		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	141.989		10-139		95	SPK: -150
13127-88-3	Phenol-d6	131.061		10-134		87	SPK: -150
4165-60-0	Nitrobenzene-d5	100.056		49-133		100	SPK: -100
321-60-8	2-Fluorobiphenyl	100.165		52-132		100	SPK: -100

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	IB-4MSD	SDG No.:	BF100824
Lab Sample ID:	P4290-04MSD	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
BF139707.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	136.518		44-137		91	SPK: -150
1718-51-0	Terphenyl-d14	89.874		48-125		90	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82402	6.869				
1146-65-2	Naphthalene-d8	316662	8.151				
15067-26-2	Acenaphthene-d10	170113	9.904				
1517-22-2	Phenanthrene-d10	297500	11.392				
1719-03-5	Chrysene-d12	187972	14.033				
1520-96-3	Perylene-d12	184966	15.498				

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	IB-6	SDG No.:	BF100824
Lab Sample ID:	P4321-04	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
BF139708.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

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:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	IB-6	SDG No.:	BF100824
Lab Sample ID:	P4321-04	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
BF139708.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

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:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	IB-6	SDG No.:	BF100824
Lab Sample ID:	P4321-04	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
BF139708.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

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	280		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	155.202		10-139		103	SPK: -150
13127-88-3	Phenol-d6	139.147		10-134		93	SPK: -150
4165-60-0	Nitrobenzene-d5	115.815		49-133		116	SPK: -100
321-60-8	2-Fluorobiphenyl	113.528		52-132		114	SPK: -100

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	IB-6	SDG No.:	BF100824
Lab Sample ID:	P4321-04	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
BF139708.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163952

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	161.099		44-137		107	SPK: -150
1718-51-0	Terphenyl-d14	105.016		48-125		105	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	76704	6.869				
1146-65-2	Naphthalene-d8	282690	8.145				
15067-26-2	Acenaphthene-d10	153989	9.898				
1517-22-2	Phenanthrene-d10	276544	11.386				
1719-03-5	Chrysene-d12	183197	14.027				
1520-96-3	Perylene-d12	164734	15.498				

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	HR-03-100324RE	SDG No.:	BF100824
Lab Sample ID:	P4288-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139709.D	2	10/4/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163898

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	340	420	ug/Kg
110-86-1	Pyridine	100	U	100	170	220	ug/Kg
100-52-7	Benzaldehyde	230	U	230	340	420	ug/Kg
62-53-3	Aniline	120	U	120	170	220	ug/Kg
108-95-2	Phenol	110	U	110	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	170	220	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	340	420	ug/Kg
95-48-7	2-Methylphenol	100	U	100	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	170	220	ug/Kg
98-86-2	Acetophenone	110	U	110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	340	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.4	U	51.4	100	100	ug/Kg
67-72-1	Hexachloroethane	110	U	110	170	220	ug/Kg
98-95-3	Nitrobenzene	120	U	120	170	220	ug/Kg
78-59-1	Isophorone	110	U	110	170	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	96.2	U	96.2	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	170	220	ug/Kg
65-85-0	Benzoic acid	300	U	300	340	420	ug/Kg
91-20-3	Naphthalene	110	U	110	170	220	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	HR-03-100324RE	SDG No.:	BF100824
Lab Sample ID:	P4288-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139709.D	2	10/4/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163898

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	340	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	98.8	U	98.8	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	340	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	91	U	91	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	94.3	U	94.3	170	220	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	220	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	170	220	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	170	220	ug/Kg
208-96-8	Acenaphthylene	110	U	110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	170	220	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	170	220	ug/Kg
83-32-9	Acenaphthene	100	U	100	170	220	ug/Kg
Total PAH	Total PAH	1689.5	U	1689.5	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	340	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	340	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	170	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	170	220	ug/Kg
84-66-2	Diethylphthalate	100	U	100	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	170	220	ug/Kg
86-73-7	Fluorene	110	U	110	170	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	340	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	170	220	ug/Kg
103-33-3	Azobenzene	100	U	100	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	170	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	170	220	ug/Kg
1912-24-9	Atrazine	120	U	120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	HR-03-100324RE	SDG No.:	BF100824
Lab Sample ID:	P4288-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139709.D	2	10/4/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163898

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	98.5	U	98.5	340	420	ug/Kg
85-01-8	Phenanthrene	210	J	110	170	220	ug/Kg
120-12-7	Anthracene	110	U	110	170	220	ug/Kg
86-74-8	Carbazole	100	U	100	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	170	220	ug/Kg
206-44-0	Fluoranthene	340		100	170	220	ug/Kg
92-87-5	Benzidine	210	U	210	340	420	ug/Kg
129-00-0	Pyrene	290		110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	340	420	ug/Kg
56-55-3	Benzo(a)anthracene	170	J	100	170	220	ug/Kg
218-01-9	Chrysene	170	J	100	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	340	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	210	J	100	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	180	J	120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	99.5	U	99.5	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	170	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	95.2	U	95.2	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	101.716		18-112		68	SPK: -150
13127-88-3	Phenol-d6	97.304		15-107		65	SPK: -150
4165-60-0	Nitrobenzene-d5	66.334		18-107		66	SPK: -100
321-60-8	2-Fluorobiphenyl	72.15		20-109		72	SPK: -100

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	HR-03-100324RE	SDG No.:	BF100824
Lab Sample ID:	P4288-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139709.D	2	10/4/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163898

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	84.356		10-116		56	SPK: -150
1718-51-0	Terphenyl-d14	62.084		10-105		62	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	83248	6.863				
1146-65-2	Naphthalene-d8	304553	8.145				
15067-26-2	Acenaphthene-d10	150065	9.904				
1517-22-2	Phenanthrene-d10	247400	11.386				
1719-03-5	Chrysene-d12	175834	14.027				
1520-96-3	Perylene-d12	139854	15.504				

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	CONCRETE-RO	SDG No.:	BF100824
Lab Sample ID:	P4328-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139710.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52	U	52	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	77.9	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	77.9	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.2	U	50.2	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	50.1	U	50.1	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.6	U	51.6	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.9	U	51.9	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	49.8	U	49.8	160	200	ug/Kg
95-48-7	2-Methylphenol	48.3	U	48.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	77.9	100	ug/Kg
98-86-2	Acetophenone	52.1	U	52.1	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.8	U	47.8	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.2	U	24.2	48	48	ug/Kg
67-72-1	Hexachloroethane	49.8	U	49.8	77.9	100	ug/Kg
98-95-3	Nitrobenzene	54.4	U	54.4	77.9	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	56.7	U	56.7	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.9	U	55.9	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.4	U	51.4	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.3	U	45.3	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	77.9	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.5	U	49.5	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	49.9	U	49.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	CONCRETE-RO	SDG No.:	BF100824
Lab Sample ID:	P4328-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139710.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52	U	52	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.5	U	46.5	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.5	U	49.5	77.9	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93.5	U	93.5	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.4	U	44.4	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	49.9	U	49.9	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	57	U	57	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	77.9	100	ug/Kg
208-96-8	Acenaphthylene	51.9	U	51.9	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.9	U	49.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	77.9	100	ug/Kg
Total PAH	Total PAH	794.6	U	794.6	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.5	U	69.5	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	77.9	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.6	U	101.6	77.9	200	ug/Kg
84-66-2	Diethylphthalate	48	U	48	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	77.9	100	ug/Kg
86-73-7	Fluorene	51.3	U	51.3	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	64.1	U	64.1	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.1	U	70.1	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48.9	U	48.9	77.9	100	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	51	U	51	77.9	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	CONCRETE-RO	SDG No.:	BF100824
Lab Sample ID:	P4328-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139710.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	46.3	U	46.3	160	200	ug/Kg
85-01-8	Phenanthrene	50.4	U	50.4	77.9	100	ug/Kg
120-12-7	Anthracene	50.6	U	50.6	77.9	100	ug/Kg
86-74-8	Carbazole	48.1	U	48.1	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.5	U	50.5	77.9	100	ug/Kg
206-44-0	Fluoranthene	49	U	49	77.9	100	ug/Kg
92-87-5	Benzidine	97.7	U	97.7	160	200	ug/Kg
129-00-0	Pyrene	49.8	U	49.8	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	58	U	58	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	48.4	U	48.4	77.9	100	ug/Kg
218-01-9	Chrysene	47.7	U	47.7	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54.6	U	54.6	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	65.9	U	65.9	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.6	U	48.6	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.5	U	49.5	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.8	U	55.8	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.8	U	46.8	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.7	U	48.7	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	U	48	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	52	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	65.9	U	65.9	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.453		18-112		56	SPK: -150
13127-88-3	Phenol-d6	84.242		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	61.018		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	67.289		20-109		67	SPK: -100

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	CONCRETE-RO	SDG No.:	BF100824
Lab Sample ID:	P4328-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139710.D	1	10/7/2024 12:00:00 AM	10/8/2024 12:00:00 AM	PB163947

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	70.841		10-116		47	SPK: -150
1718-51-0	Terphenyl-d14	54.109		10-105		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	76585	6.863				
1146-65-2	Naphthalene-d8	277164	8.145				
15067-26-2	Acenaphthene-d10	140632	9.898				
1517-22-2	Phenanthrene-d10	232617	11.386				
1719-03-5	Chrysene-d12	174990	14.027				
1520-96-3	Perylene-d12	143610	15.498				



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

Hit Summary Sheet SW-846

SDG No.: BF100824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : HR-03-100324RE								
P4288-03RE	HR-03-100324RE	Solid	Benzo(a)anthracene	170.000	J	100	220	ug/Kg
P4288-03RE	HR-03-100324RE	Solid	Benzo(a)pyrene	180.000	J	120	220	ug/Kg
P4288-03RE	HR-03-100324RE	Solid	Benzo(b)fluoranthene	210.000	J	100	220	ug/Kg
P4288-03RE	HR-03-100324RE	Solid	Chrysene	170.000	J	100	220	ug/Kg
P4288-03RE	HR-03-100324RE	Solid	Fluoranthene	340.000		100	220	ug/Kg
P4288-03RE	HR-03-100324RE	Solid	Phenanthrene	210.000	J	110	220	ug/Kg
P4288-03RE	HR-03-100324RE	Solid	Pyrene	290.000		110	220	ug/Kg
Total Svoc :				1,570.00				
Total Concentration:				1,570.00				
Client ID : IB-4								
P4290-04	IB-4	water	Benzidine	250.000		40.7	100	ug/L
Total Svoc :				250.00				
Total Concentration:				250.00				
Client ID : IB-6								
P4321-04	IB-6	water	Benzidine	280.000		40.7	100	ug/L
Total Svoc :				280.00				
Total Concentration:				280.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM

Case No.: BF100124

SAS No.: BF100124

SDG No.: BF100124

Instrument ID: _____

Calibration Date(s): 10/1/2024 : _____

Calibration Time(s): 14:05 _____

LAB FILE ID:		RRF2.5 = BF139584.D			RRF005 = BF139585.D		RRF010 = BF139586.D	
		RRF020 = BF139587.D			RRF040 = BF139588.D		RRF050 = BF139589.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.820	0.790	0.797	0.783	0.784	0.794	1.7
Pyridine		1.305	1.304	1.277	1.163	1.155	1.213	6.6
2-Fluorophenol		1.285	1.218	1.191	1.113	1.096	1.154	6.8
Benzaldehyde		1.008	1.014	0.926	0.787	0.727	0.822	19.7
Aniline		1.562	1.492	1.462	1.276	1.243	1.377	10.6
Phenol-d6		1.719	1.638	1.599	1.490	1.482	1.552	6.5
Phenol		1.798	1.748	1.691	1.602	1.548	1.632	7.3
bis(2-Chloroethyl)ether		1.356	1.331	1.264	1.258	1.236	1.329	9.4
2-Chlorophenol		1.326	1.337	1.289	1.191	1.180	1.236	6.4
1,2-Dichlorobenzene		1.469	1.429	1.393	1.278	1.256	1.320	8.3
1,3-Dichlorobenzene		1.527	1.477	1.450	1.346	1.330	1.391	6.8
1,4-Dichlorobenzene		1.592	1.510	1.451	1.348	1.341	1.409	8.0
Benzyl Alcohol		1.239	1.244	1.233	1.170	1.144	1.186	4.6
2-Methylphenol		1.105	1.073	1.068	1.010	0.992	1.032	4.8
2,2-oxybis(1-Chloropropane)		2.573	2.446	2.391	2.225	2.186	2.300	7.6
Acetophenone		0.530	0.505	0.494	0.451	0.447	0.475	7.4
3+4-Methylphenols		1.439	1.405	1.363	1.257	1.226	1.296	8.2
n-Nitroso-di-n-propylamine	1.024	1.073	1.066	1.030	0.959	0.932	0.998	5.8
Nitrobenzene-d5		0.420	0.411	0.406	0.382	0.382	0.395	4.4
Hexachloroethane		0.553	0.548	0.550	0.511	0.511	0.525	4.7
Nitrobenzene		0.427	0.424	0.421	0.397	0.391	0.409	3.6
Isophorone		0.766	0.728	0.713	0.675	0.662	0.702	5.2
2-Nitrophenol		0.174	0.172	0.181	0.178	0.175	0.176	2.0
2,4-Dimethylphenol		0.228	0.224	0.218	0.206	0.209	0.215	4.1
bis(2-Chloroethoxy)methane		0.459	0.438	0.433	0.403	0.401	0.419	5.9
2,4-Dichlorophenol		0.300	0.295	0.293	0.275	0.266	0.281	5.4
1,2,4-Trichlorobenzene		0.344	0.336	0.329	0.307	0.301	0.318	5.9
Benzoic acid		0.159	0.187	0.220	0.224	0.227	0.214	14.3
Naphthalene		1.144	1.090	1.074	0.982	0.962	1.023	7.8
4-Chloroaniline		0.382	0.367	0.361	0.340	0.330	0.346	7.2
Hexachlorobutadiene		0.223	0.216	0.216	0.197	0.198	0.205	6.1
Caprolactam		0.098	0.099	0.093	0.088	0.088	0.092	5.5
4-Chloro-3-methylphenol		0.345	0.335	0.331	0.303	0.300	0.318	5.9
2-Methylnaphthalene		0.764	0.718	0.694	0.639	0.620	0.666	9.1
Hexachlorocyclopentadiene		0.120	0.148	0.173	0.184	0.191	0.170	15.8
2,4,6-Trichlorophenol		0.395	0.383	0.391	0.366	0.362	0.374	4.3

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.: BF100124

SAS No.: BF100124

SDG No.: BF100124

Instrument ID: _____

Calibration Date(s): 10/1/2024 : _____

Calibration Time(s): 14:05 _____

LAB FILE ID:		RRF2.5 = BF139584.D		RRF005 = BF139585.D		RRF010 = BF139586.D		
		RRF020 = BF139587.D		RRF040 = BF139588.D		RRF050 = BF139589.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.547	1.443	1.373	1.228	1.203	1.303	11.8
2,4,5-Trichlorophenol		0.433	0.429	0.412	0.390	0.389	0.404	5.3
1,1-Biphenyl		1.680	1.619	1.556	1.416	1.400	1.488	8.7
2-Chloronaphthalene		1.225	1.193	1.156	1.074	1.067	1.115	6.8
2-Nitroaniline		0.401	0.400	0.409	0.394	0.397	0.400	1.4
Dimethylphthalate		1.471	1.387	1.342	1.249	1.249	1.309	7.2
Acenaphthylene		1.889	1.832	1.784	1.632	1.615	1.696	8.2
2,6-Dinitrotoluene		0.313	0.310	0.304	0.288	0.285	0.296	4.6
3-Nitroaniline		0.326	0.319	0.314	0.293	0.291	0.302	5.8
Acenaphthene		1.279	1.237	1.207	1.126	1.115	1.164	6.7
2,4-Dinitrophenol		0.122	0.136	0.164	0.164	0.176	0.159	13.5
4-Nitrophenol		0.230	0.233	0.237	0.228	0.231	0.230	2.7
Dibenzofuran		1.882	1.800	1.713	1.553	1.526	1.630	10.4
2,4-Dinitrotoluene		0.408	0.416	0.406	0.380	0.377	0.387	6.3
Diethylphthalate		1.530	1.451	1.397	1.289	1.290	1.352	8.2
4-Chlorophenyl-phenylether		0.750	0.728	0.689	0.607	0.604	0.650	11.1
Fluorene		1.524	1.436	1.358	1.222	1.212	1.298	11.0
4-Nitroaniline		0.340	0.326	0.323	0.298	0.298	0.309	6.8
4,6-Dinitro-2-methylphenol		0.095	0.105	0.114	0.120	0.116	0.113	8.7
n-Nitrosodiphenylamine		0.653	0.623	0.609	0.568	0.559	0.590	6.7
Azobenzene		1.509	1.451	1.415	1.313	1.296	1.360	7.2
2,4,6-Tribromophenol		0.212	0.208	0.200	0.187	0.182	0.193	7.1
4-Bromophenyl-phenylether		0.225	0.219	0.211	0.198	0.193	0.205	6.5
Hexachlorobenzene		0.251	0.238	0.233	0.220	0.215	0.228	6.1
Atrazine		0.189	0.185	0.164	0.132	0.121	0.158	19.4
Pentachlorophenol		0.127	0.132	0.139	0.140	0.135	0.135	3.9
Phenanthrene		1.071	1.024	0.976	0.904	0.883	0.943	8.9
Anthracene		1.078	0.987	0.978	0.896	0.875	0.933	9.1
Carbazole		1.013	0.968	0.946	0.867	0.852	0.896	9.2
Di-n-butylphthalate		1.194	1.155	1.143	1.069	1.042	1.090	7.1
Fluoranthene		1.217	1.139	1.111	0.993	0.958	1.031	12.3
Benzidine		0.478	0.458	0.335	0.346	0.240	0.353	26.4
Pyrene		1.799	1.737	1.801	1.817	1.746	1.789	2.6
Terphenyl-d14		1.296	1.236	1.228	1.209	1.176	1.219	4.0
Butylbenzylphthalate		0.624	0.609	0.645	0.649	0.646	0.640	3.1
3,3-Dichlorobenzidine		0.440	0.421	0.414	0.395	0.370	0.402	6.0

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.: BF100124 SAS No.: BF100124 SDG No.: BF100124
Instrument ID: _____ Calibration Date(s): 10/1/2024 : _____
Calibration Time(s): 14:05 : _____

LAB FILE ID:		RRF2.5 = BF139584.D			RRF005 = BF139585.D		RRF010 = BF139586.D	
		RRF020 = BF139587.D			RRF040 = BF139588.D		RRF050 = BF139589.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.476	1.348	1.331	1.252	1.274	1.315	6.3
Chrysene		1.330	1.242	1.254	1.189	1.116	1.202	6.5
Bis(2-ethylhexyl)phthalate		0.748	0.746	0.796	0.816	0.813	0.799	4.8
Di-n-octyl phthalate		1.038	1.032	1.127	1.189	1.201	1.174	9.9
Benzo(b)fluoranthene		1.541	1.415	1.347	1.153	1.261	1.293	11.6
Benzo(k)fluoranthene		1.122	1.177	1.191	1.126	0.998	1.097	7.0
Benzo(a)pyrene		1.076	1.060	1.042	0.992	0.996	1.020	3.8
Indeno(1,2,3-cd)pyrene		1.021	1.065	1.202	1.210	1.220	1.177	8.1
Dibenzo(a,h)anthracene		0.850	0.898	0.988	1.008	1.014	0.976	7.6
Benzo(g,h,i)perylene		0.833	0.865	0.993	1.020	1.015	0.979	9.5
1,2,4,5-Tetrachlorobenzene		0.601	0.594	0.586	0.536	0.528	0.555	6.7
1,4-Dioxane		0.523	0.523	0.509	0.485	0.488	0.499	3.9
2,3,4,6-Tetrachlorophenol		0.358	0.338	0.339	0.315	0.314	0.326	6.1
1-Methylnaphthalene		0.739	0.708	0.677	0.624	0.610	0.651	8.9

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.: BF100824 SAS No.: BF100824 SDG NO.: BF100824

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 8 2024 12:00AM

Lab File ID: BF139588.D Time Analyzed: 10:10

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	114444	6.869	436939	8.15	248727	9.91
UPPER LIMIT	228888	7.369	873878	8.651	497454	10.41
LOWER LIMIT	57222	6.369	218469.5	7.651	124363.5	9.41
EPA SAMPLE NO.						
01 PB163952BL	98695	6.87	381324	8.15	220064	9.90
02 PB163952BS	101550	6.88	388070	8.16	223737	9.91
03 PB163910TB	89827	6.87	338052	8.15	194893	9.90
04 IB-4	89701	6.87	343039	8.15	194140	9.90
05 IB-4MS	77421	6.87	293282	8.15	160654	9.90
06 IB-4MSD	82402	6.87	316662	8.15	170113	9.90
07 IB-6	76704	6.87	282690	8.15	153989	9.90
08 HR-03-100324RE	83248	6.86	304553	8.15	150065	9.90
09 CONCRETE-RO	76585	6.86	277164	8.15	140632	9.90

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.: BF100824 SAS No.: BF100824 SDG NO.: BF100824

EPA Sample No.: SSTDCCC040 Date Analyzed: Oct 8 2024 12:00AM

Lab File ID: BF139701.D Time Analyzed: 10:10

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	93649	6.875	357449	8.16	206769	9.91
UPPER LIMIT	187298	7.375	714898	8.657	413538	10.41
LOWER LIMIT	46824.5	6.375	178724.5	7.657	103384.5	9.41
EPA SAMPLE NO.						
01 PB163952BL	98695	6.87	381324	8.15	220064	9.90
02 PB163952BS	101550	6.88	388070	8.16	223737	9.91
03 PB163910TB	89827	6.87	338052	8.15	194893	9.90
04 IB-4	89701	6.87	343039	8.15	194140	9.90
05 IB-4MS	77421	6.87	293282	8.15	160654	9.90
06 IB-4MSD	82402	6.87	316662	8.15	170113	9.90
07 IB-6	76704	6.87	282690	8.15	153989	9.90
08 HR-03-100324RE	83248	6.86	304553	8.15	150065	9.90
09 CONCRETE-RO	76585	6.86	277164	8.15	140632	9.90

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.: BF100824 SAS No.: BF100824 SDG NO.: BF100824

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 8 2024 12:00AM

Lab File ID: BF139588.D Time Analyzed: 10:10

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	459579	11.392	251487	14.033	218952	15.504
UPPER LIMIT	919158	11.892	502974	14.533	437904	16.004
LOWER LIMIT	229789.5	10.892	125743.5	13.533	109476	15.004
EPA SAMPLE NO.						
01 PB163952BL	429568	11.39	288229	14.03	223739	15.51
02 PB163952BS	426523	11.40	249491	14.04	187304	15.51
03 PB163910TB	382271	11.39	263260	14.03	196455	15.50
04 IB-4	373199	11.39	223398	14.03	184671	15.50
05 IB-4MS	284403	11.39	175389	14.03	162323	15.50
06 IB-4MSD	297500	11.39	187972	14.03	184966	15.50
07 IB-6	276544	11.39	183197	14.03	164734	15.50
08 HR-03-100324RE	247400	11.39	175834	14.03	139854	15.50
09 CONCRETE-RO	232617	11.39	174990	14.03	143610	15.50

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF100824 SAS No.: BF100824 SDG NO.: BF100824

EPA Sample No.: SSTDCCC040 Date Analyzed: Oct 8 2024 12:00AM

Lab File ID: BF139701.D Time Analyzed: 10:10

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	395219	11.398	226740	14.039	166977	15.509
UPPER LIMIT	790438	11.898	453480	14.539	333954	16.009
LOWER LIMIT	197609.5	10.898	113370	13.539	83488.5	15.009
EPA SAMPLE NO.						
01 PB163952BL	429568	11.39	288229	14.03	223739	15.51
02 PB163952BS	426523	11.40	249491	14.04	187304	15.51
03 PB163910TB	382271	11.39	263260	14.03	196455	15.50
04 IB-4	373199	11.39	223398	14.03	184671	15.50
05 IB-4MS	284403	11.39	175389	14.03	162323	15.50
06 IB-4MSD	297500	11.39	187972	14.03	184966	15.50
07 IB-6	276544	11.39	183197	14.03	164734	15.50
08 HR-03-100324RE	247400	11.39	175834	14.03	139854	15.50
09 CONCRETE-RO	232617	11.39	174990	14.03	143610	15.50

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF100824**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB163952BS	n-Nitrosodimethylamine	50	43.1	ug/L	86				55	108	
	Pyridine	50	41	ug/L	82				29	97	
	Benzaldehyde	50	22.7	ug/L	45				10	162	
	Aniline	50	48.5	ug/L	97				10	130	
	Phenol	50	45.9	ug/L	92				66	118	
	bis(2-Chloroethyl)ether	50	42.5	ug/L	85				62	103	
	2-Chlorophenol	50	46.8	ug/L	94				70	117	
	1,2-Dichlorobenzene	50	43.2	ug/L	86				72	102	
	1,3-Dichlorobenzene	50	42.3	ug/L	85				71	103	
	1,4-Dichlorobenzene	50	43.1	ug/L	86				76	103	
	Benzyl Alcohol	50	46	ug/L	92				36	93	
	2-Methylphenol	50	45.5	ug/L	91				69	109	
	2,2-oxybis(1-Chloropropane)	50	44.2	ug/L	88				65	100	
	Acetophenone	50	43.5	ug/L	87				60	104	
	3+4-Methylphenols	50	45.1	ug/L	90				67	106	
	N-Nitroso-di-n-propylamine	50	43.2	ug/L	86				57	107	
	Hexachloroethane	50	42.1	ug/L	84				76	118	
	Nitrobenzene	50	42.1	ug/L	84				58	106	
	Isophorone	50	44.2	ug/L	88				61	102	
	2-Nitrophenol	50	46.4	ug/L	93				70	115	
	2,4-Dimethylphenol	50	55	ug/L	110				42	142	
	bis(2-Chloroethoxy)methane	50	43.4	ug/L	87				58	109	
	2,4-Dichlorophenol	50	45.4	ug/L	91				66	115	
	1,2,4-Trichlorobenzene	50	41.7	ug/L	83				41	115	
	Benzoic acid	50	45.9	ug/L	92				10	125	
	Naphthalene	50	43.5	ug/L	87				64	107	
	4-Chloroaniline	50	25	ug/L	50				10	85	
	Hexachlorobutadiene	50	41.2	ug/L	82				69	101	
	Caprolactam	50	47	ug/L	94				58	128	
	4-Chloro-3-methylphenol	50	45.4	ug/L	91				65	114	
	2-Methylnaphthalene	50	43.9	ug/L	88				64	107	
	Hexachlorocyclopentadiene	100	160	ug/L	160				36	160	
	2,4,6-Trichlorophenol	50	43.7	ug/L	87				61	110	
	2,4,5-Trichlorophenol	50	43.7	ug/L	87				70	106	
	1,1-Biphenyl	50	42.2	ug/L	84				72	98	
	2-Chloronaphthalene	50	42.6	ug/L	85				59	106	
	2-Nitroaniline	50	45.6	ug/L	91				73	114	
	Dimethylphthalate	50	44.4	ug/L	89				64	103	
	Acenaphthylene	50	46.1	ug/L	92				79	103	
	2,6-Dinitrotoluene	50	42.8	ug/L	86				64	110	
	3-Nitroaniline	50	34.4	ug/L	69				28	100	
	Acenaphthene	50	48.5	ug/L	97				59	113	
	Total PAH	800	739.8	ug/L	92				59	113	
	2,4-Dinitrophenol	100	94.7	ug/L	95				36	166	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF100824**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB163952BS	4-Nitrophenol	100	91.7	ug/L	92				45	147		
	Dibenzofuran	50	43.8	ug/L	88				65	106		
	2,4-Dinitrotoluene	50	44.9	ug/L	90				60	115		
	2,4-Dinitrotoluene/2,6-Dinitro	100	87.7	ug/L	88				60	115		
	Diethylphthalate	50	43.6	ug/L	87				63	105		
	4-Chlorophenyl-phenylether	50	42.2	ug/L	84				61	104		
	Fluorene	50	43.6	ug/L	87				64	107		
	4-Nitroaniline	50	45.9	ug/L	92				55	125		
	4,6-Dinitro-2-methylphenol	50	46.9	ug/L	94				62	132		
	N-Nitrosodiphenylamine	50	44.3	ug/L	89				61	109		
	Azobenzene	50	44	ug/L	88				59	106		
	4-Bromophenyl-phenylether	50	42.7	ug/L	85				73	103		
	Hexachlorobenzene	50	42.8	ug/L	86				73	106		
	Atrazine	50	54.5	ug/L	109				76	120		
	Pentachlorophenol	100	84.2	ug/L	84				47	114		
	Phenanthrene	50	45.6	ug/L	91				62	109		
	Anthracene	50	46.9	ug/L	94				65	110		
	Carbazole	50	45.4	ug/L	91				62	106		
	Di-n-butylphthalate	50	44.8	ug/L	90				64	106		
	Fluoranthene	50	45.7	ug/L	91				64	110		
	Benzidine	100	67.9	ug/L	68				10	94		
	Pyrene	50	45.9	ug/L	92				71	103		
	Butylbenzylphthalate	50	48.7	ug/L	97				61	105		
	3,3-Dichlorobenzidine	50	34.5	ug/L	69				43	108		
	Benzo(a)anthracene	50	46.3	ug/L	93				62	107		
	Chrysene	50	46.1	ug/L	92				61	108		
	bis(2-Ethylhexyl)phthalate	50	49.6	ug/L	99				59	110		
	Di-n-octyl phthalate	50	46	ug/L	92				52	139		
	Benzo(b)fluoranthene	50	41.8	ug/L	84				77	113		
	Benzo(k)fluoranthene	50	49.2	ug/L	98				77	105		
	Benzo(a)pyrene	50	48.5	ug/L	97				72	131		
	Indeno(1,2,3-cd)pyrene	50	48.7	ug/L	97				72	105		
	Dibenz(a,h)anthracene	50	48.1	ug/L	96				78	115		
	Benzo(g,h,i)perylene	50	45.3	ug/L	91				75	118		
	1,2,4,5-Tetrachlorobenzene	50	42.2	ug/L	84				72	101		
	1,4-Dioxane	50	38.1	ug/L	76				38	125		
	2,3,4,6-Tetrachlorophenol	50	46.9	ug/L	94				63	116		
	1-Methylnaphthalene	50	41.4	ug/L	83				51	114		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

CONCRETE-RO

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF100824

SAS No.: BF100824 SDG NO.: BF100824

Lab File ID: BF139710.D

Lab Sample ID: P4328-07

Instrument ID: BNA_F

Date Extracted: 10/07/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/08/2024

Level: (low/med) LOW

Time Analyzed: 14:05

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
CONCRETE-RO	P4328-07	BF139710.D	10/08/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163952BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF100824

SAS No.: BF100824 SDG NO.: BF100824

Lab File ID: BF139702.D

Lab Sample ID: PB163952BL

Instrument ID: BNA_F

Date Extracted: 10/07/2024

Matrix: (soil/water) water

Date Analyzed: 10/08/2024

Level: (low/med) LOW

Time Analyzed: 10:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB163952BS	PB163952BS	BF139703.D	10/08/2024
PB163910TB	PB163910TB	BF139704.D	10/08/2024
IB-4	P4290-04	BF139705.D	10/08/2024
IB-4MS	P4290-04MS	BF139706.D	10/08/2024
IB-4MSD	P4290-04MSD	BF139707.D	10/08/2024
IB-6	P4321-04	BF139708.D	10/08/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF100824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4290-04MS		Client Sample ID: IB-4MS		DataFile: BF139706.D							
n-Nitrosodimethylamine	500		530	ug/L	106				10	130	
Pyridine	500		450	ug/L	90				10	109	
Benzaldehyde	500		120	ug/L	24				10	137	
Aniline	500		260	ug/L	52				10	130	
Phenol	500		490	ug/L	98				10	130	
bis(2-Chloroethyl)ether	500		530	ug/L	106				29	141	
2-Chlorophenol	500		560	ug/L	112				23	127	
1,2-Dichlorobenzene	500		530	ug/L	106				61	114	
1,3-Dichlorobenzene	500		520	ug/L	104				65	106	
1,4-Dichlorobenzene	500		530	ug/L	106				55	125	
Benzyl Alcohol	500		560	ug/L	112	*			31	94	
2-Methylphenol	500		530	ug/L	106				37	126	
2,2-oxybis(1-Chloropropane)	500		540	ug/L	108				36	141	
Acetophenone	500		540	ug/L	108				31	164	
3+4-Methylphenols	500		540	ug/L	108				31	127	
N-Nitroso-di-n-propylamine	500		540	ug/L	108				36	147	
Hexachloroethane	500		510	ug/L	102				49	110	
Nitrobenzene	500		520	ug/L	104				62	112	
Isophorone	500		550	ug/L	110				39	146	
2-Nitrophenol	500		540	ug/L	108				30	148	
2,4-Dimethylphenol	500		670	ug/L	134				17	143	
bis(2-Chloroethoxy)methane	500		530	ug/L	106				39	143	
2,4-Dichlorophenol	500		550	ug/L	110				22	146	
1,2,4-Trichlorobenzene	500		510	ug/L	102				66	110	
Benzoic acid	500		510	ug/L	102	*			10	101	
Naphthalene	500		530	ug/L	106				17	157	
4-Chloroaniline	500		87.2	ug/L	17				10	95	
Hexachlorobutadiene	500		510	ug/L	102				52	125	
Caprolactam	500		480	ug/L	96				10	130	
4-Chloro-3-methylphenol	500		530	ug/L	106				17	148	
2-Methylnaphthalene	500		530	ug/L	106				38	146	
Hexachlorocyclopentadiene	1000		1500	ug/L	150				20	153	
2,4,6-Trichlorophenol	500		550	ug/L	110				78	112	
2,4,5-Trichlorophenol	500		540	ug/L	108				71	111	
1,1-Biphenyl	500		540	ug/L	108				38	154	
2-Chloronaphthalene	500		540	ug/L	108				41	145	
2-Nitroaniline	500		560	ug/L	112				39	151	
Dimethylphthalate	500		570	ug/L	114				42	147	
Acenaphthylene	500		580	ug/L	116				40	141	
2,6-Dinitrotoluene	500		530	ug/L	106				43	148	
3-Nitroaniline	500		280	ug/L	56				10	111	
Acenaphthene	500		580	ug/L	116				37	146	
Total PAH	8000		8720	ug/L	109				37	146	
2,4-Dinitrophenol	1000		950	ug/L	95				14	167	
4-Nitrophenol	1000		1000	ug/L	100				10	130	
Dibenzofuran	500		550	ug/L	110				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF100824

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		530	ug/L	106				50	142	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1060	ug/L	106				50	142	
Diethylphthalate	500		540	ug/L	108				41	148	
4-Chlorophenyl-phenylether	500		520	ug/L	104				38	149	
Fluorene	500		530	ug/L	106				39	144	
4-Nitroaniline	500		500	ug/L	100				27	138	
4,6-Dinitro-2-methylphenol	500		500	ug/L	100				32	175	
N-Nitrosodiphenylamine	500		580	ug/L	116				40	150	
Azobenzene	500		530	ug/L	106				72	112	
4-Bromophenyl-phenylether	500		550	ug/L	110				42	151	
Hexachlorobenzene	500		550	ug/L	110				72	115	
Atrazine	500		690	ug/L	138				20	162	
Pentachlorophenol	1000		1000	ug/L	100				25	139	
Phenanthrene	500		560	ug/L	112				40	147	
Anthracene	500		580	ug/L	116				41	146	
Carbazole	500		550	ug/L	110				37	154	
Di-n-butylphthalate	500		580	ug/L	116				40	151	
Fluoranthene	500		520	ug/L	104				42	146	
Benzidine	1000	250	330	ug/L	8	*			10	130	
Pyrene	500		500	ug/L	100				41	149	
Butylbenzylphthalate	500		580	ug/L	116				39	155	
3,3-Dichlorobenzidine	500		380	ug/L	76				10	114	
Benzo(a)anthracene	500		550	ug/L	110				41	147	
Chrysene	500		570	ug/L	114				44	144	
bis(2-Ethylhexyl)phthalate	500		630	ug/L	126				33	160	
Di-n-octyl phthalate	500		690	ug/L	138				36	158	
Benzo(b)fluoranthene	500		530	ug/L	106				40	150	
Benzo(k)fluoranthene	500		590	ug/L	118				40	147	
Benzo(a)pyrene	500		600	ug/L	120				42	147	
Indeno(1,2,3-cd)pyrene	500		520	ug/L	104				30	166	
Dibenz(a,h)anthracene	500		530	ug/L	106				23	172	
Benzo(g,h,i)perylene	500		450	ug/L	90				27	167	
1,2,4,5-Tetrachlorobenzene	500		550	ug/L	110	*			89	102	
1,4-Dioxane	500		510	ug/L	102				38	130	
2,3,4,6-Tetrachlorophenol	500		540	ug/L	108				91	111	
1-Methylnaphthalene	500		500	ug/L	100				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF100824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4290-04MSD		Client Sample ID: IB-4MSD		DataFile: BF139707.D							
n-Nitrosodimethylamine	500		520	ug/L	104		2		10	130	20
Pyridine	500		430	ug/L	86		5		10	109	20
Benzaldehyde	500		120	ug/L	24		0		10	137	20
Aniline	500		240	ug/L	48		8		10	130	20
Phenol	500		460	ug/L	92		6		10	130	20
bis(2-Chloroethyl)ether	500		520	ug/L	104		2		29	141	20
2-Chlorophenol	500		530	ug/L	106		6		23	127	20
1,2-Dichlorobenzene	500		510	ug/L	102		4		61	114	20
1,3-Dichlorobenzene	500		500	ug/L	100		4		65	106	20
1,4-Dichlorobenzene	500		500	ug/L	100		6		55	125	20
Benzyl Alcohol	500		540	ug/L	108	*	4		31	94	20
2-Methylphenol	500		510	ug/L	102		4		37	126	20
2,2-oxybis(1-Chloropropane)	500		520	ug/L	104		4		36	141	20
Acetophenone	500		510	ug/L	102		6		31	164	20
3+4-Methylphenols	500		510	ug/L	102		6		31	127	20
N-Nitroso-di-n-propylamine	500		510	ug/L	102		6		36	147	20
Hexachloroethane	500		490	ug/L	98		4		49	110	20
Nitrobenzene	500		490	ug/L	98		6		62	112	20
Isophorone	500		510	ug/L	102		8		39	146	20
2-Nitrophenol	500		510	ug/L	102		6		30	148	20
2,4-Dimethylphenol	500		620	ug/L	124		8		17	143	20
bis(2-Chloroethoxy)methane	500		510	ug/L	102		4		39	143	20
2,4-Dichlorophenol	500		510	ug/L	102		8		22	146	20
1,2,4-Trichlorobenzene	500		480	ug/L	96		6		66	110	20
Benzoic acid	500		490	ug/L	98		4		10	101	20
Naphthalene	500		510	ug/L	102		4		17	157	20
4-Chloroaniline	500		75.8	ug/L	15		13		10	95	20
Hexachlorobutadiene	500		480	ug/L	96		6		52	125	20
Caprolactam	500		450	ug/L	90		6		10	130	20
4-Chloro-3-methylphenol	500		500	ug/L	100		6		17	148	20
2-Methylnaphthalene	500		500	ug/L	100		6		38	146	20
Hexachlorocyclopentadiene	1000		1500	ug/L	150		0		20	153	20
2,4,6-Trichlorophenol	500		530	ug/L	106		4		78	112	20
2,4,5-Trichlorophenol	500		510	ug/L	102		6		71	111	20
1,1-Biphenyl	500		520	ug/L	104		4		38	154	20
2-Chloronaphthalene	500		510	ug/L	102		6		41	145	20
2-Nitroaniline	500		530	ug/L	106		6		39	151	20
Dimethylphthalate	500		540	ug/L	108		5		42	147	20
Acenaphthylene	500		550	ug/L	110		5		40	141	20
2,6-Dinitrotoluene	500		500	ug/L	100		6		43	148	20
3-Nitroaniline	500		250	ug/L	50		11		10	111	20
Acenaphthene	500		550	ug/L	110		5		37	146	20
Total PAH	8000		8200	ug/L	103		6		37	146	20
2,4-Dinitrophenol	1000		910	ug/L	91		4		14	167	20
4-Nitrophenol	1000		940	ug/L	94		6		10	130	20
Dibenzofuran	500		510	ug/L	102		8		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF100824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		510	ug/L	102		4		50	142	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1010	ug/L	101		5		50	142	20
Diethylphthalate	500		510	ug/L	102		6		41	148	20
4-Chlorophenyl-phenylether	500		490	ug/L	98		6		38	149	20
Fluorene	500		500	ug/L	100		6		39	144	20
4-Nitroaniline	500		460	ug/L	92		8		27	138	20
4,6-Dinitro-2-methylphenol	500		480	ug/L	96		4		32	175	20
N-Nitrosodiphenylamine	500		550	ug/L	110		5		40	150	20
Azobenzene	500		500	ug/L	100		6		72	112	20
4-Bromophenyl-phenylether	500		520	ug/L	104		6		42	151	20
Hexachlorobenzene	500		520	ug/L	104		6		72	115	20
Atrazine	500		640	ug/L	128		8		20	162	20
Pentachlorophenol	1000		990	ug/L	99		1		25	139	20
Phenanthrene	500		530	ug/L	106		6		40	147	20
Anthracene	500		550	ug/L	110		5		41	146	20
Carbazole	500		520	ug/L	104		6		37	154	20
Di-n-butylphthalate	500		540	ug/L	108		7		40	151	20
Fluoranthene	500		500	ug/L	100		4		42	146	20
Benzidine	1000	250	320	ug/L	7	*	13		10	130	20
Pyrene	500		460	ug/L	92		8		41	149	20
Butylbenzylphthalate	500		530	ug/L	106		9		39	155	20
3,3-Dichlorobenzidine	500		360	ug/L	72		5		10	114	20
Benzo(a)anthracene	500		530	ug/L	106		4		41	147	20
Chrysene	500		540	ug/L	108		5		44	144	20
bis(2-Ethylhexyl)phthalate	500		580	ug/L	116		8		33	160	20
Di-n-octyl phthalate	500		640	ug/L	128		8		36	158	20
Benzo(b)fluoranthene	500		540	ug/L	108		2		40	150	20
Benzo(k)fluoranthene	500		490	ug/L	98		19		40	147	20
Benzo(a)pyrene	500		560	ug/L	112		7		42	147	20
Indeno(1,2,3-cd)pyrene	500		480	ug/L	96		8		30	166	20
Dibenz(a,h)anthracene	500		490	ug/L	98		8		23	172	20
Benzo(g,h,i)perylene	500		420	ug/L	84		7		27	167	20
1,2,4,5-Tetrachlorobenzene	500		520	ug/L	104	*	6		89	102	20
1,4-Dioxane	500		490	ug/L	98		4		38	130	20
2,3,4,6-Tetrachlorophenol	500		510	ug/L	102		6		91	111	20
1-Methylnaphthalene	500		470	ug/L	94		6		25	151	20

Surrogate Summary

SW-846

SDG No.: **BF100824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4288-03RE	HR-03-100324RE	BF139709.D	2-Fluorophenol	150	101.72	68		18	112
			Phenol-d6	150	97.30	65		15	107
			Nitrobenzene-d5	100	66.33	66		18	107
			2-Fluorobiphenyl	100	72.15	72		20	109
			2,4,6-Tribromophenol	150	84.36	56		10	116
			Terphenyl-d14	100	62.08	62		10	105

Surrogate Summary

SW-846

SDG No.: BF100824

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4328-07	CONCRETE-RO	BF139710.D	2-Fluorophenol	150	84.45	56		18	112
			Phenol-d6	150	84.24	56		15	107
			Nitrobenzene-d5	100	61.02	61		18	107
			2-Fluorobiphenyl	100	67.29	67		20	109
			2,4,6-Tribromophenol	150	70.84	47		10	116
			Terphenyl-d14	100	54.11	54		10	105

Surrogate Summary

SW-846

SDG No.: **BF100824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4290-04	IB-4	BF139705.D	2-Fluorophenol	150	137.61	92		10	139
			Phenol-d6	150	127.00	85		10	134
			Nitrobenzene-d5	100	97.71	98		49	133
			2-Fluorobiphenyl	100	92.82	93		52	132
			2,4,6-Tribromophenol	150	142.35	95		44	137
			Terphenyl-d14	100	96.80	97		48	125
P4290-04MS	IB-4MS	BF139706.D	2-Fluorophenol	150	147.97	99		10	139
			Phenol-d6	150	136.60	91		10	134
			Nitrobenzene-d5	100	105.72	106		49	133
			2-Fluorobiphenyl	100	105.30	105		52	132
			2,4,6-Tribromophenol	150	147.90	99		44	137
			Terphenyl-d14	100	98.20	98		48	125
P4290-04MSD	IB-4MSD	BF139707.D	2-Fluorophenol	150	141.99	95		10	139
			Phenol-d6	150	131.06	87		10	134
			Nitrobenzene-d5	100	100.06	100		49	133
			2-Fluorobiphenyl	100	100.17	100		52	132
			2,4,6-Tribromophenol	150	136.52	91		44	137
			Terphenyl-d14	100	89.87	90		48	125
P4321-04	IB-6	BF139708.D	2-Fluorophenol	150	155.20	103		10	139
			Phenol-d6	150	139.15	93		10	134
			Nitrobenzene-d5	100	115.82	116		49	133
			2-Fluorobiphenyl	100	113.53	114		52	132
			2,4,6-Tribromophenol	150	161.10	107		44	137
			Terphenyl-d14	100	105.02	105		48	125
PB163910TB	PB163910TB	BF139704.D	2-Fluorophenol	150	145.10	97		10	139
			Phenol-d6	150	142.43	95		10	134
			Nitrobenzene-d5	100	97.86	98		49	133
			2-Fluorobiphenyl	100	94.02	94		52	132
			2,4,6-Tribromophenol	150	140.26	94		44	137
			Terphenyl-d14	100	91.09	91		48	125
PB163952BL	PB163952BL	BF139702.D	2-Fluorophenol	150	130.58	87		10	139
			Phenol-d6	150	126.98	85		10	134
			Nitrobenzene-d5	100	85.14	85		49	133
			2-Fluorobiphenyl	100	82.49	82		52	132
			2,4,6-Tribromophenol	150	123.03	82		44	137
			Terphenyl-d14	100	81.42	81		48	125
PB163952BS	PB163952BS	BF139703.D	2-Fluorophenol	150	127.71	85		10	139
			Phenol-d6	150	126.48	84		10	134
			Nitrobenzene-d5	100	85.47	85		49	133
			2-Fluorobiphenyl	100	82.10	82		52	132
			2,4,6-Tribromophenol	150	126.32	84		44	137
			Terphenyl-d14	100	90.82	91		48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF100824

Lab Code: CHEM

SAS No.: BF100824 SDG NO.: BF100824

Lab File ID: BF139700.D

DFTPP Injection Date: 10/08/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45.7
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	39
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	26.4
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14.1
442	Greater than 50% of mass 198	89.4
443	15.0 - 24.0% of mass 442	17.4 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139701.D	10/08/2024	09:39
PB163952BL	PB163952BL	BF139702.D	10/08/2024	10:10
PB163952BS	PB163952BS	BF139703.D	10/08/2024	10:38
PB163910TB	PB163910TB	BF139704.D	10/08/2024	11:06
IB-4	P4290-04	BF139705.D	10/08/2024	11:43
IB-4MS	P4290-04MS	BF139706.D	10/08/2024	12:12
IB-4MSD	P4290-04MSD	BF139707.D	10/08/2024	12:40
IB-6	P4321-04	BF139708.D	10/08/2024	13:09
HR-03-100324RE	P4288-03RE	BF139709.D	10/08/2024	13:37
CONCRETE-RO	P4328-07	BF139710.D	10/08/2024	14:05