

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF101524 SAS No.: BF101524 SDG No.: BF101524

Instrument ID: BNA_F Calibration Date/Time: 10/15/2024 : 13:44

Lab File ID: BF139809.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.750	0.737		-1.733	
Pyridine	1.262	1.231		-2.456	
2-Fluorophenol	1.185	1.150		-2.954	
Benzaldehyde	0.885	0.874		-1.243	
Aniline	1.358	1.343		-1.105	
Phenol-d6	1.576	1.527		-3.109	
Phenol	1.655	1.621		-2.054	20.0
bis(2-Chloroethyl)ether	1.234	1.209		-2.026	
2-Chlorophenol	1.251	1.227		-1.918	
1,2-Dichlorobenzene	1.317	1.278		-2.961	
1,3-Dichlorobenzene	1.415	1.369		-3.251	
1,4-Dichlorobenzene	1.419	1.378		-2.889	20.0
Benzyl Alcohol	1.135	1.122		-1.145	
2-Methylphenol	1.012	0.993		-1.877	
2,2-oxybis(1-Chloropropane)	2.163	2.106		-2.635	
Acetophenone	0.469	0.447		-4.691	
3+4-Methylphenols	1.273	1.228		-3.535	
n-Nitroso-di-n-propylamine	0.918	0.894	0.050	-2.614	
Nitrobenzene-d5	0.389	0.374		-3.856	
Hexachloroethane	0.514	0.504		-1.946	
Nitrobenzene	0.405	0.387		-4.444	
Isophorone	0.663	0.640		-3.469	
2-Nitrophenol	0.176	0.175		-0.568	20.0
2,4-Dimethylphenol	0.214	0.206		-3.738	
bis(2-Chloroethoxy)methane	0.407	0.388		-4.668	
2,4-Dichlorophenol	0.278	0.268		-3.597	20.0
1,2,4-Trichlorobenzene	0.316	0.303		-4.114	
Benzoic acid	0.198	0.210		6.061	
Naphthalene	1.031	0.984		-4.559	
4-Chloroaniline	0.338	0.321		-5.03	
Hexachlorobutadiene	0.201	0.192		-4.478	20.0
Caprolactam	0.078	0.078		0.0	
4-Chloro-3-methylphenol	0.295	0.288		-2.373	20.0
2-Methylnaphthalene	0.646	0.618		-4.334	
Hexachlorocyclopentadiene	0.113	0.123	0.050	8.85	
2,4,6-Trichlorophenol	0.369	0.363		-1.626	20.0
2-Fluorobiphenyl	1.337	1.252		-6.358	
2,4,5-Trichlorophenol	0.396	0.380		-4.04	
1,1-Biphenyl	1.512	1.441		-4.696	

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Lab File ID: BF139809.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.155	1.104		-4.416	
2-Nitroaniline	0.377	0.372		-1.326	
Dimethylphthalate	1.224	1.192		-2.614	
Acenaphthylene	1.697	1.642		-3.241	
2,6-Dinitrotoluene	0.279	0.278		-0.358	
3-Nitroaniline	0.278	0.278		0.0	
Acenaphthene	1.075	1.024		-4.744	20.0
2,4-Dinitrophenol	0.114	0.122	0.050	7.018	
4-Nitrophenol	0.168	0.179	0.050	6.548	
Dibenzofuran	1.612	1.541		-4.404	
2,4-Dinitrotoluene	0.345	0.345		0.0	
Diethylphthalate	1.191	1.149		-3.526	
4-Chlorophenyl-phenylether	0.620	0.589		-5.0	
Fluorene	1.254	1.183		-5.662	
4-Nitroaniline	0.255	0.251		-1.569	
4,6-Dinitro-2-methylphenol	0.105	0.108		2.857	
n-Nitrosodiphenylamine	0.633	0.603		-4.739	20.0
Azobenzene	1.242	1.209		-2.657	
2,4,6-Tribromophenol	0.169	0.166		-1.775	
4-Bromophenyl-phenylether	0.215	0.206		-4.186	
Hexachlorobenzene	0.241	0.232		-3.734	
Atrazine	0.118	0.093		-21.186	
Pentachlorophenol	0.103	0.109		5.825	20.0
Phenanthrene	0.955	0.897		-6.073	
Anthracene	0.939	0.887		-5.538	
Carbazole	0.831	0.786		-5.415	
Di-n-butylphthalate	0.902	0.869		-3.659	
Fluoranthene	0.901	0.833		-7.547	20.0
Benzidine	0.334	0.366		9.581	
Pyrene	1.966	1.608		-18.21	
Terphenyl-d14	1.181	1.029		-12.87	
Butylbenzylphthalate	0.533	0.526		-1.313	
3,3-Dichlorobenzidine	0.443	0.451		1.806	
Benzo(a)anthracene	1.328	1.239		-6.702	
Chrysene	1.211	1.190		-1.734	
Bis(2-ethylhexyl)phthalate	0.688	0.721		4.797	
Di-n-octyl phthalate	1.279	1.361		6.411	20.0
Benzo(b)fluoranthene	1.147	1.135		-1.046	
Benzo(k)fluoranthene	1.018	1.006		-1.179	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF101524 SAS No.: BF101524 SDG No.: BF101524

Instrument ID: BNA_F Calibration Date/Time: 10/15/2024 : 13:44

Lab File ID: BF139809.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.002	0.985		-1.697	20.0
Indeno(1,2,3-cd)pyrene	1.339	1.246		-6.945	
Dibenzo(a,h)anthracene	1.098	1.025		-6.648	
Benzo(g,h,i)perylene	1.152	1.072		-6.944	
1,2,4,5-Tetrachlorobenzene	0.581	0.551		-5.164	
1,4-Dioxane	0.516	0.495		-4.07	20.0
2,3,4,6-Tetrachlorophenol	0.294	0.289		-1.701	
1-Methylnaphthalene	0.629	0.603		-4.134	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF101524			SDG No.:	BF101524		
Lab Sample ID:	SSTDICV040			Matrix:	Water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139813.D	1		10/15/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	39400		1000	8000	10000	ug/L
110-86-1	Pyridine	39600		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	39600		4000	8000	10000	ug/L
62-53-3	Aniline	40200		1600	4000	5000	ug/L
108-95-2	Phenol	39000		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	39000		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	38900		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	39200		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	38300		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	38300		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	38900		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	39100		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38500		1400	4000	5000	ug/L
98-86-2	Acetophenone	38000		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	38300		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	38500		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	39100		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	39400		1300	4000	5000	ug/L
78-59-1	Isophorone	39000		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	40300		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	38800		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	38700		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	39100		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	38800		1100	4000	5000	ug/L
65-85-0	Benzoic acid	43100		5500	8000	10000	ug/L
91-20-3	Naphthalene	38500		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	39100		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	38500		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF101524			SDG No.:	BF101524		
Lab Sample ID:	SSTDICV040			Matrix:	Water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	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
BF139813.D	1		10/15/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	40100		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	39400		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	38100		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	38500		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	39700		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	39400		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	38500		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	38500		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	39600		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	38900		930	4000	5000	ug/L
208-96-8	Acenaphthylene	38600		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	39500		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	39300		1400	4000	5000	ug/L
83-32-9	Acenaphthene	38000		810	4000	5000	ug/L
Total PAH	Total PAH	607400		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	42400		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	41800		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	38700		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	40500		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	80000		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	38400		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	37700		980	4000	5000	ug/L
86-73-7	Fluorene	38100		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	39200		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	41500		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	38800		890	4000	5000	ug/L
103-33-3	Azobenzene	39400		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	39000		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	37800		1100	4000	5000	ug/L
1912-24-9	Atrazine	31100		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF101524			SDG No.:	BF101524		
Lab Sample ID:	SSTDICV040			Matrix:	Water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	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
BF139813.D	1		10/15/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	40900		1900	8000	10000	ug/L
85-01-8	Phenanthrene	38200		890	4000	5000	ug/L
120-12-7	Anthracene	37700		1100	4000	5000	ug/L
86-74-8	Carbazole	37000		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	38000		1500	4000	5000	ug/L
206-44-0	Fluoranthene	35600		1300	4000	5000	ug/L
92-87-5	Benzidine	46700		4100	8000	10000	ug/L
129-00-0	Pyrene	34300		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	38200		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	41700		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	38500		940	4000	5000	ug/L
218-01-9	Chrysene	39200		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	39600		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	41800		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	40200		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	36700		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	38900		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	38500		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	38500		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	37900		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	38300		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	38500		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	39300		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	38800		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	77861	*	10-139		51907	SPK: -150
13127-88-3	Phenol-d6	77760	*	10-134		51840	SPK: -150
4165-60-0	Nitrobenzene-d5	77347	*	49-133		77347	SPK: -100
321-60-8	2-Fluorobiphenyl	75014	*	52-132		75014	SPK: -100

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF101524			SDG No.:	BF101524		
Lab Sample ID:	SSTDICV040			Matrix:	Water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	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
BF139813.D	1		10/15/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	79319	*	44-137		52879	SPK: -150
1718-51-0	Terphenyl-d14	81589	*	48-125		81589	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	111286	6.857				
1146-65-2	Naphthalene-d8	411986	8.139				
15067-26-2	Acenaphthene-d10	217368	9.892				
1517-22-2	Phenanthrene-d10	348296	11.374				
1719-03-5	Chrysene-d12	161894	14.015				
1520-96-3	Perylene-d12	219472	15.48				

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164157BL	SDG No.:	BF101524
Lab Sample ID:	PB164157BL	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
BF139814.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

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:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164157BL	SDG No.:	BF101524
Lab Sample ID:	PB164157BL	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
BF139814.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

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

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164157BL	SDG No.:	BF101524
Lab Sample ID:	PB164157BL	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
BF139814.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

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	135.602		10-139		90	SPK: -150
13127-88-3	Phenol-d6	134.422		10-134		90	SPK: -150
4165-60-0	Nitrobenzene-d5	92.752		49-133		93	SPK: -100
321-60-8	2-Fluorobiphenyl	87.815		52-132		88	SPK: -100

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164157BL	SDG No.:	BF101524
Lab Sample ID:	PB164157BL	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
BF139814.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	139.296		44-137		93	SPK: -150
1718-51-0	Terphenyl-d14	153.127	*	48-125		153	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89149	6.851				
1146-65-2	Naphthalene-d8	334998	8.134				
15067-26-2	Acenaphthene-d10	189711	9.886				
1517-22-2	Phenanthrene-d10	352336	11.375				
1719-03-5	Chrysene-d12	164626	14.01				
1520-96-3	Perylene-d12	162439	15.474				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	4.9	J			2.181	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.4	A			5.087	

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164157BS	SDG No.:	BF101524
Lab Sample ID:	PB164157BS	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
BF139815.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	40.6		1	8	10	ug/L
110-86-1	Pyridine	37.7		1.6	4	5	ug/L
100-52-7	Benzaldehyde	17.7		4	8	10	ug/L
62-53-3	Aniline	39.7		1.6	4	5	ug/L
108-95-2	Phenol	41		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.4		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	41.7		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	39.9		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	38.4		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	38.7		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	42.5		1.6	8	10	ug/L
95-48-7	2-Methylphenol	41.3		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.8		1.4	4	5	ug/L
98-86-2	Acetophenone	39.1		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	41.1		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.6		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	39.3		1	4	5	ug/L
98-95-3	Nitrobenzene	37.4		1.3	4	5	ug/L
78-59-1	Isophorone	41.1		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	40.8		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	48.1		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39.5		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	40.4		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	37.3		1.1	4	5	ug/L
65-85-0	Benzoic acid	39.3		5.5	8	10	ug/L
91-20-3	Naphthalene	38.4		1	4	5	ug/L
106-47-8	4-Chloroaniline	22.1		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	37.3		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164157BS	SDG No.:	BF101524
Lab Sample ID:	PB164157BS	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
BF139815.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	43		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	41.1		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	39.6		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	140	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	38.5		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	36.6		1	4	5	ug/L
92-52-4	1,1-Biphenyl	37		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	36.1		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	39.6		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	39.8		0.93	4	5	ug/L
208-96-8	Acenaphthylene	40.5		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	38.2		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	26.2		1.4	4	5	ug/L
83-32-9	Acenaphthene	39.3		0.81	4	5	ug/L
Total PAH	Total PAH	624.3		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	91.1	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	88.2	E	2	8	10	ug/L
132-64-9	Dibenzofuran	38.5		0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	40.2		1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	78.4		2.7	4	10	ug/L
84-66-2	Diethylphthalate	40.3		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	37.8		0.98	4	5	ug/L
86-73-7	Fluorene	38.1		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	40.1		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	40.9		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	38		0.89	4	5	ug/L
103-33-3	Azobenzene	40.2		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	37.4		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	37		1.1	4	5	ug/L
1912-24-9	Atrazine	60.2		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164157BS	SDG No.:	BF101524
Lab Sample ID:	PB164157BS	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
BF139815.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	80.7	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	39.1		0.89	4	5	ug/L
120-12-7	Anthracene	40.4		1.1	4	5	ug/L
86-74-8	Carbazole	38.3		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	41.5		1.5	4	5	ug/L
206-44-0	Fluoranthene	37.2		1.3	4	5	ug/L
92-87-5	Benzidine	55.5		4.1	8	10	ug/L
129-00-0	Pyrene	39.1		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	42.2		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	26.4		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	39.8		0.94	4	5	ug/L
218-01-9	Chrysene	40.2		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	40		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	39.9		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	39.8		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	37		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	41.7		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	39.5		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	39.2		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	35		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	36.6		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	35.2		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	42.5		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	37.8		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	115.044		10-139		77	SPK: -150
13127-88-3	Phenol-d6	114.35		10-134		76	SPK: -150
4165-60-0	Nitrobenzene-d5	77.597		49-133		78	SPK: -100
321-60-8	2-Fluorobiphenyl	72.864		52-132		73	SPK: -100

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164157BS	SDG No.:	BF101524
Lab Sample ID:	PB164157BS	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
BF139815.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	116.52		44-137		78	SPK: -150
1718-51-0	Terphenyl-d14	104.967		48-125		105	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	104700	6.851				
1146-65-2	Naphthalene-d8	404007	8.133				
15067-26-2	Acenaphthene-d10	228692	9.892				
1517-22-2	Phenanthrene-d10	390235	11.374				
1719-03-5	Chrysene-d12	169025	14.015				
1520-96-3	Perylene-d12	216444	15.48				

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164096TB	SDG No.:	BF101524
Lab Sample ID:	PB164096TB	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
BF139816.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

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:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164096TB	SDG No.:	BF101524
Lab Sample ID:	PB164096TB	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
BF139816.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

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:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164096TB	SDG No.:	BF101524
Lab Sample ID:	PB164096TB	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
BF139816.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

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	156.183		10-139		104	SPK: -150
13127-88-3	Phenol-d6	154.546		10-134		103	SPK: -150
4165-60-0	Nitrobenzene-d5	106.01		49-133		106	SPK: -100
321-60-8	2-Fluorobiphenyl	99.795		52-132		100	SPK: -100

Report of Analysis

Client:		Date Collected:	10/15/2024 12:00:00 AM
Project:		Date Received:	10/15/2024 12:00:00 AM
Client Sample ID:	PB164096TB	SDG No.:	BF101524
Lab Sample ID:	PB164096TB	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
BF139816.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	157.733		44-137		105	SPK: -150
1718-51-0	Terphenyl-d14	202.517	*	48-125		203	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	81741	6.851				
1146-65-2	Naphthalene-d8	314147	8.133				
15067-26-2	Acenaphthene-d10	176355	9.886				
1517-22-2	Phenanthrene-d10	327446	11.374				
1719-03-5	Chrysene-d12	154374	14.01				
1520-96-3	Perylene-d12	155985	15.48				

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	F05308-SOLID	SDG No.:	BF101524
Lab Sample ID:	P4395-02	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
BF139817.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

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:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	F05308-SOLID	SDG No.:	BF101524
Lab Sample ID:	P4395-02	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
BF139817.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

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:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	F05308-SOLID	SDG No.:	BF101524
Lab Sample ID:	P4395-02	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
BF139817.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

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	460		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	140.09		10-139		93	SPK: -150
13127-88-3	Phenol-d6	128.422		10-134		86	SPK: -150
4165-60-0	Nitrobenzene-d5	104.992		49-133		105	SPK: -100
321-60-8	2-Fluorobiphenyl	98.637		52-132		99	SPK: -100

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	F05308-SOLID	SDG No.:	BF101524
Lab Sample ID:	P4395-02	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
BF139817.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	159.004		44-137		106	SPK: -150
1718-51-0	Terphenyl-d14	191.257	*	48-125		191	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	81166	6.851				
1146-65-2	Naphthalene-d8	309021	8.134				
15067-26-2	Acenaphthene-d10	171844	9.886				
1517-22-2	Phenanthrene-d10	312907	11.375				
1719-03-5	Chrysene-d12	141777	14.01				
1520-96-3	Perylene-d12	155453	15.474				

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	F05308-SOLIDMS	SDG No.:	BF101524
Lab Sample ID:	P4395-02MS	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
BF139818.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	550		10.3	80	100	ug/L
110-86-1	Pyridine	430		15.5	40	50	ug/L
100-52-7	Benzaldehyde	88.6	J	40	80	100	ug/L
62-53-3	Aniline	210		16	40	50	ug/L
108-95-2	Phenol	490		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	570		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	570		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	540		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	510		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	520		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	590		16	80	100	ug/L
95-48-7	2-Methylphenol	560		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	580		13.5	40	50	ug/L
98-86-2	Acetophenone	540		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	560		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	590		14.8	25	25	ug/L
67-72-1	Hexachloroethane	530		10.1	40	50	ug/L
98-95-3	Nitrobenzene	530		12.7	40	50	ug/L
78-59-1	Isophorone	580		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	570		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	700		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	560		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	570		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	520		11	40	50	ug/L
65-85-0	Benzoic acid	540		54.7	80	100	ug/L
91-20-3	Naphthalene	540		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	80.8		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	510		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	F05308-SOLIDMS	SDG No.:	BF101524
Lab Sample ID:	P4395-02MS	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
BF139818.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	520		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	580		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	560		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	2000	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	560		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	550		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	540		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	530		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	570		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	580		9.3	40	50	ug/L
208-96-8	Acenaphthylene	580		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	550		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	140		13.7	40	50	ug/L
83-32-9	Acenaphthene	560		8.1	40	50	ug/L
Total PAH	Total PAH	9040		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1500	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	1100	E	20	80	100	ug/L
132-64-9	Dibenzofuran	560		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	570		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	120		27.6	40	100	ug/L
84-66-2	Diethylphthalate	580		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	550		9.8	40	50	ug/L
86-73-7	Fluorene	550		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	530		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	610		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	560		8.9	40	50	ug/L
103-33-3	Azobenzene	580		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	550		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	540		11.4	40	50	ug/L
1912-24-9	Atrazine	780		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	F05308-SOLIDMS	SDG No.:	BF101524
Lab Sample ID:	P4395-02MS	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
BF139818.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1200	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	570		8.9	40	50	ug/L
120-12-7	Anthracene	590		10.7	40	50	ug/L
86-74-8	Carbazole	540		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	590		14.7	40	50	ug/L
206-44-0	Fluoranthene	530		12.9	40	50	ug/L
92-87-5	Benzidine	330		40.7	80	100	ug/L
129-00-0	Pyrene	550		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	610		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	330		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	580		9.4	40	50	ug/L
218-01-9	Chrysene	600		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	600		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	610		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	600		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	560		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	620		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	560		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	560		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	490		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	530		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	500		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	590		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	540		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	149.282		10-139		100	SPK: -150
13127-88-3	Phenol-d6	139.574		10-134		93	SPK: -150
4165-60-0	Nitrobenzene-d5	109.705		49-133		110	SPK: -100
321-60-8	2-Fluorobiphenyl	103.446		52-132		103	SPK: -100

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	F05308-SOLIDMS	SDG No.:	BF101524
Lab Sample ID:	P4395-02MS	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
BF139818.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	163.079		44-137		109	SPK: -150
1718-51-0	Terphenyl-d14	178.678	*	48-125		179	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	81196	6.857				
1146-65-2	Naphthalene-d8	312809	8.133				
15067-26-2	Acenaphthene-d10	172495	9.892				
1517-22-2	Phenanthrene-d10	283315	11.374				
1719-03-5	Chrysene-d12	121764	14.015				
1520-96-3	Perylene-d12	160038	15.48				

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	F05308-SOLIDMSD	SDG No.:	BF101524
Lab Sample ID:	P4395-02MSD	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
BF139819.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

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	410		15.5	40	50	ug/L
100-52-7	Benzaldehyde	86.7	J	40	80	100	ug/L
62-53-3	Aniline	210		16	40	50	ug/L
108-95-2	Phenol	470		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	550		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	550		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	520		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	490		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	500		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	570		16	80	100	ug/L
95-48-7	2-Methylphenol	540		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	560		13.5	40	50	ug/L
98-86-2	Acetophenone	530		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	570		14.8	25	25	ug/L
67-72-1	Hexachloroethane	520		10.1	40	50	ug/L
98-95-3	Nitrobenzene	500		12.7	40	50	ug/L
78-59-1	Isophorone	560		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	550		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	660		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	540		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	540		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	500		11	40	50	ug/L
65-85-0	Benzoic acid	540		54.7	80	100	ug/L
91-20-3	Naphthalene	520		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	90.9		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	490		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	F05308-SOLIDMSD	SDG No.:	BF101524
Lab Sample ID:	P4395-02MSD	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
BF139819.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

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	560		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	540		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1900	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	540		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	520		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	540		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	560		9.3	40	50	ug/L
208-96-8	Acenaphthylene	560		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	530		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	130		13.7	40	50	ug/L
83-32-9	Acenaphthene	540		8.1	40	50	ug/L
Total PAH	Total PAH	8540		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1500	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	1000	E	20	80	100	ug/L
132-64-9	Dibenzofuran	530		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	550		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1080		27.6	40	100	ug/L
84-66-2	Diethylphthalate	550		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	490		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	600		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	540		8.9	40	50	ug/L
103-33-3	Azobenzene	550		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	530		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	520		11.4	40	50	ug/L
1912-24-9	Atrazine	730		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	F05308-SOLIDMSD	SDG No.:	BF101524
Lab Sample ID:	P4395-02MSD	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
BF139819.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1200	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	550		8.9	40	50	ug/L
120-12-7	Anthracene	560		10.7	40	50	ug/L
86-74-8	Carbazole	510		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	560		14.7	40	50	ug/L
206-44-0	Fluoranthene	500		12.9	40	50	ug/L
92-87-5	Benzidine	270		40.7	80	100	ug/L
129-00-0	Pyrene	510		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	570		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	280		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	550		9.4	40	50	ug/L
218-01-9	Chrysene	550		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	550		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	560		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	580		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	510		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	590		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	520		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	510		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	480		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	590		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	510		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	144.928		10-139		97	SPK: -150
13127-88-3	Phenol-d6	134.333		10-134		90	SPK: -150
4165-60-0	Nitrobenzene-d5	105.94		49-133		106	SPK: -100
321-60-8	2-Fluorobiphenyl	99.825		52-132		100	SPK: -100

Report of Analysis

Client:		Date Collected:	10/11/2024 12:00:00 AM
Project:		Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	F05308-SOLIDMSD	SDG No.:	BF101524
Lab Sample ID:	P4395-02MSD	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
BF139819.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	157.071		44-137		105	SPK: -150
1718-51-0	Terphenyl-d14	155.763	*	48-125		156	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	80793	6.857				
1146-65-2	Naphthalene-d8	311366	8.134				
15067-26-2	Acenaphthene-d10	172284	9.892				
1517-22-2	Phenanthrene-d10	284327	11.375				
1719-03-5	Chrysene-d12	125906	14.016				
1520-96-3	Perylene-d12	162383	15.474				

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	Hawthorne TP Soil	SDG No.:	BF101524
Lab Sample ID:	P4403-02	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
BF139820.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

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:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	Hawthorne TP Soil	SDG No.:	BF101524
Lab Sample ID:	P4403-02	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
BF139820.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

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:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	Hawthorne TP Soil	SDG No.:	BF101524
Lab Sample ID:	P4403-02	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
BF139820.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

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	140		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	148.301		10-139		99	SPK: -150
13127-88-3	Phenol-d6	132.244		10-134		88	SPK: -150
4165-60-0	Nitrobenzene-d5	111.705		49-133		112	SPK: -100
321-60-8	2-Fluorobiphenyl	104.725		52-132		105	SPK: -100

Report of Analysis

Client:		Date Collected:	10/14/2024 12:00:00 AM
Project:		Date Received:	10/14/2024 12:00:00 AM
Client Sample ID:	Hawthorne TP Soil	SDG No.:	BF101524
Lab Sample ID:	P4403-02	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
BF139820.D	1	10/15/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB164157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	164.585		44-137		110	SPK: -150
1718-51-0	Terphenyl-d14	-20	*	48-125		-20	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82243	6.851				
1146-65-2	Naphthalene-d8	313413	8.133				
15067-26-2	Acenaphthene-d10	174555	9.886				
1517-22-2	Phenanthrene-d10	313512	11.374				
1719-03-5	Chrysene-d12	142467	14.01				
1520-96-3	Perylene-d12	145725	15.474				

Hit Summary Sheet SW-846

SDG No.: BF101524

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	F05308-SOLID							
P4395-02	F05308-SOLID	water	Benzidine	460.000	40.7		100	ug/L
			Total Svoc :		460.00			
			Total Concentration:		460.00			
Client ID :	Hawthorne TP Soil							
P4403-02	Hawthorne TP Soil	water	Benzidine	140.000	40.7		100	ug/L
			Total Svoc :		140.00			
			Total Concentration:		140.00			
Client ID :	ICVBF101524							
SSTDICV040	ICVBF101524	Water	1,1-Biphenyl	38,500.000	910		5000	ug/L
SSTDICV040	ICVBF101524	Water	1,2,4,5-Tetrachlorobenzene	38,300.000	1100		5000	ug/L
SSTDICV040	ICVBF101524	Water	1,2,4-Trichlorobenzene	38,800.000	1100		5000	ug/L
SSTDICV040	ICVBF101524	Water	1,2-Dichlorobenzene	39,200.000	880		5000	ug/L
SSTDICV040	ICVBF101524	Water	1,3-Dichlorobenzene	38,300.000	800		5000	ug/L
SSTDICV040	ICVBF101524	Water	1,4-Dichlorobenzene	38,300.000	840		5000	ug/L
SSTDICV040	ICVBF101524	Water	1,4-Dioxane	38,500.000	1300		5000	ug/L
SSTDICV040	ICVBF101524	Water	1-Methylnaphthalene	38,800.000	860		5000	ug/L
SSTDICV040	ICVBF101524	Water	2,2-oxybis(1-Chloropropane)	38,500.000	1400		5000	ug/L
SSTDICV040	ICVBF101524	Water	2,3,4,6-Tetrachlorophenol	39,300.000	790		5000	ug/L
SSTDICV040	ICVBF101524	Water	2,4,5-Trichlorophenol	39,400.000	1000		5000	ug/L
SSTDICV040	ICVBF101524	Water	2,4,6-Trichlorophenol	39,700.000	890		5000	ug/L
SSTDICV040	ICVBF101524	Water	2,4-Dichlorophenol	39,100.000	880		5000	ug/L
SSTDICV040	ICVBF101524	Water	2,4-Dimethylphenol	38,800.000	1500		5000	ug/L
SSTDICV040	ICVBF101524	Water	2,4-Dinitrophenol	42,400.000	6400		10000	ug/L
SSTDICV040	ICVBF101524	Water	2,4-Dinitrotoluene	40,500.000	1500		5000	ug/L
SSTDICV040	ICVBF101524	Water	2,6-Dinitrotoluene	39,500.000	1200		5000	ug/L
SSTDICV040	ICVBF101524	Water	2-Chloronaphthalene	38,500.000	970		5000	ug/L
SSTDICV040	ICVBF101524	Water	2-Chlorophenol	38,900.000	710		5000	ug/L
SSTDICV040	ICVBF101524	Water	2-Methylnaphthalene	38,100.000	1100		5000	ug/L
SSTDICV040	ICVBF101524	Water	2-Methylphenol	39,100.000	1100		5000	ug/L
SSTDICV040	ICVBF101524	Water	2-Nitroaniline	39,600.000	1400		5000	ug/L
SSTDICV040	ICVBF101524	Water	2-Nitrophenol	40,300.000	2000		5000	ug/L
SSTDICV040	ICVBF101524	Water	3+4-Methylphenols	38,300.000	1200		10000	ug/L
SSTDICV040	ICVBF101524	Water	3,3-Dichlorobenzidine	41,700.000	1300		10000	ug/L
SSTDICV040	ICVBF101524	Water	3-Nitroaniline	39,300.000	1400		5000	ug/L
SSTDICV040	ICVBF101524	Water	4,6-Dinitro-2-methylphenol	41,500.000	3100		10000	ug/L
SSTDICV040	ICVBF101524	Water	4-Bromophenyl-phenylether	39,000.000	950		5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BF101524

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF101524	Water	4-Chloro-3-methylphenol	39,400.000		840	5000	ug/L
SSTDICV040	ICVBF101524	Water	4-Chloroaniline	39,100.000		1300	5000	ug/L
SSTDICV040	ICVBF101524	Water	4-Chlorophenyl-phenylether	37,700.000		980	5000	ug/L
SSTDICV040	ICVBF101524	Water	4-Nitroaniline	39,200.000		2000	5000	ug/L
SSTDICV040	ICVBF101524	Water	4-Nitrophenol	41,800.000		2000	10000	ug/L
SSTDICV040	ICVBF101524	Water	Acenaphthene	38,000.000		810	5000	ug/L
SSTDICV040	ICVBF101524	Water	Acenaphthylene	38,600.000		1000	5000	ug/L
SSTDICV040	ICVBF101524	Water	Acetophenone	38,000.000		1100	5000	ug/L
SSTDICV040	ICVBF101524	Water	Aniline	40,200.000		1600	5000	ug/L
SSTDICV040	ICVBF101524	Water	Anthracene	37,700.000		1100	5000	ug/L
SSTDICV040	ICVBF101524	Water	Atrazine	31,100.000		1300	5000	ug/L
SSTDICV040	ICVBF101524	Water	Azobenzene	39,400.000		1200	5000	ug/L
SSTDICV040	ICVBF101524	Water	Benzaldehyde	39,600.000		4000	10000	ug/L
SSTDICV040	ICVBF101524	Water	Benzidine	46,700.000		4100	10000	ug/L
SSTDICV040	ICVBF101524	Water	Benzo(a)anthracene	38,500.000		940	5000	ug/L
SSTDICV040	ICVBF101524	Water	Benzo(a)pyrene	38,900.000		1700	5000	ug/L
SSTDICV040	ICVBF101524	Water	Benzo(b)fluoranthene	40,200.000		1100	5000	ug/L
SSTDICV040	ICVBF101524	Water	Benzo(g,h,i)perylene	37,900.000		1200	5000	ug/L
SSTDICV040	ICVBF101524	Water	Benzo(k)fluoranthene	36,700.000		1200	5000	ug/L
SSTDICV040	ICVBF101524	Water	Benzoic acid	43,100.000		5500	10000	ug/L
SSTDICV040	ICVBF101524	Water	Benzyl Alcohol	38,900.000		1600	10000	ug/L
SSTDICV040	ICVBF101524	Water	bis(2-Chloroethoxy)methane	38,700.000		1000	5000	ug/L
SSTDICV040	ICVBF101524	Water	bis(2-Chloroethyl)ether	39,000.000		1200	5000	ug/L
SSTDICV040	ICVBF101524	Water	Bis(2-ethylhexyl)phthalate	39,600.000		1900	5000	ug/L
SSTDICV040	ICVBF101524	Water	Butylbenzylphthalate	38,200.000		2100	5000	ug/L
SSTDICV040	ICVBF101524	Water	Caprolactam	40,100.000		1700	10000	ug/L
SSTDICV040	ICVBF101524	Water	Carbazole	37,000.000		1200	5000	ug/L
SSTDICV040	ICVBF101524	Water	Chrysene	39,200.000		860	5000	ug/L
SSTDICV040	ICVBF101524	Water	Di-n-butylphthalate	38,000.000		1500	5000	ug/L
SSTDICV040	ICVBF101524	Water	Di-n-octyl phthalate	41,800.000		2500	10000	ug/L
SSTDICV040	ICVBF101524	Water	Dibenzo(a,h)anthracene	38,500.000		1200	5000	ug/L
SSTDICV040	ICVBF101524	Water	Dibenzofuran	38,700.000		930	5000	ug/L
SSTDICV040	ICVBF101524	Water	Diethylphthalate	38,400.000		1000	5000	ug/L
SSTDICV040	ICVBF101524	Water	Dimethylphthalate	38,900.000		930	5000	ug/L
SSTDICV040	ICVBF101524	Water	Fluoranthene	35,600.000		1300	5000	ug/L
SSTDICV040	ICVBF101524	Water	Fluorene	38,100.000		960	5000	ug/L
SSTDICV040	ICVBF101524	Water	Hexachlorobenzene	37,800.000		1100	5000	ug/L
SSTDICV040	ICVBF101524	Water	Hexachlorobutadiene	38,500.000		1300	5000	ug/L
SSTDICV040	ICVBF101524	Water	Hexachlorocyclopentadiene	38,500.000		5000	10000	ug/L
SSTDICV040	ICVBF101524	Water	Hexachloroethane	39,100.000		1000	5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BF101524

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF101524	Water	Indeno(1,2,3-cd)pyrene	38,500.000		1000	5000	ug/L
SSTDICV040	ICVBF101524	Water	Isophorone	39,000.000		1100	5000	ug/L
SSTDICV040	ICVBF101524	Water	n-Nitroso-di-n-propylamine	38,500.000		1500	2500	ug/L
SSTDICV040	ICVBF101524	Water	n-Nitrosodimethylamine	39,400.000		1000	10000	ug/L
SSTDICV040	ICVBF101524	Water	n-Nitrosodiphenylamine	38,800.000		890	5000	ug/L
SSTDICV040	ICVBF101524	Water	Naphthalene	38,500.000		1000	5000	ug/L
SSTDICV040	ICVBF101524	Water	Nitrobenzene	39,400.000		1300	5000	ug/L
SSTDICV040	ICVBF101524	Water	Pentachlorophenol	40,900.000		1900	10000	ug/L
SSTDICV040	ICVBF101524	Water	Phenanthrene	38,200.000		890	5000	ug/L
SSTDICV040	ICVBF101524	Water	Phenol	39,000.000		930	5000	ug/L
SSTDICV040	ICVBF101524	Water	Pyrene	34,300.000		1100	5000	ug/L
SSTDICV040	ICVBF101524	Water	Pyridine	39,600.000		1600	5000	ug/L
SSTDICV040	ICVBF101524	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	80,000.000		2700	10000	ug/L
SSTDICV040	ICVBF101524	Water	Total PAH	607,400.000		17360	80000	ug/L

Total Svoc : 3,806,100.00

Total Concentration: 3,806,100.00



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM

Case No.: BF101524

SAS No.: BF101524

SDG No.: BF101524

Instrument ID: _____

Calibration Date(s): 10/15/2024

Calibration Time(s): 11:20

LAB FILE ID:		RRF2.5 = BF139805.D			RRF005 = BF139806.D		RRF010 = BF139807.D	
		RRF020 = BF139808.D			RRF040 = BF139809.D		RRF050 = BF139810.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.813	0.750	0.743	0.737	0.732	0.750	4.1
Pyridine		1.350	1.312	1.285	1.231	1.223	1.262	4.4
2-Fluorophenol		1.316	1.245	1.230	1.150	1.141	1.185	6.8
Benzaldehyde		1.068	1.012	0.972	0.874	0.800	0.885	15.5
Aniline		1.535	1.483	1.427	1.343	1.291	1.358	9.6
Phenol-d6		1.806	1.674	1.636	1.527	1.492	1.576	8.6
Phenol		1.863	1.765	1.717	1.621	1.577	1.655	8.1
bis(2-Chloroethyl)ether		1.360	1.312	1.255	1.209	1.182	1.234	6.5
2-Chlorophenol		1.409	1.301	1.309	1.227	1.202	1.251	7.6
1,2-Dichlorobenzene		1.492	1.398	1.380	1.278	1.250	1.317	8.4
1,3-Dichlorobenzene		1.611	1.509	1.452	1.369	1.344	1.415	8.3
1,4-Dichlorobenzene		1.602	1.485	1.475	1.378	1.360	1.419	7.6
Benzyl Alcohol		1.230	1.221	1.186	1.122	1.091	1.135	7.2
2-Methylphenol		1.101	1.060	1.051	0.993	0.980	1.012	5.9
2,2-oxybis(1-Chloropropane)		2.452	2.297	2.257	2.106	2.059	2.163	8.4
Acetophenone		0.522	0.510	0.481	0.447	0.443	0.469	7.5
3+4-Methylphenols		1.494	1.400	1.329	1.228	1.185	1.273	11.0
n-Nitroso-di-n-propylamine	0.988	1.018	0.980	0.950	0.894	0.855	0.918	8.4
Nitrobenzene-d5		0.417	0.402	0.400	0.374	0.377	0.389	4.6
Hexachloroethane		0.553	0.543	0.536	0.504	0.496	0.514	5.8
Nitrobenzene		0.431	0.418	0.421	0.387	0.395	0.405	4.4
Isophorone		0.720	0.699	0.686	0.640	0.635	0.663	5.7
2-Nitrophenol		0.170	0.178	0.179	0.175	0.177	0.176	1.7
2,4-Dimethylphenol		0.233	0.222	0.223	0.206	0.206	0.214	5.5
bis(2-Chloroethoxy)methane		0.449	0.426	0.423	0.388	0.389	0.407	6.3
2,4-Dichlorophenol		0.295	0.296	0.288	0.268	0.269	0.278	5.3
1,2,4-Trichlorobenzene		0.348	0.328	0.328	0.303	0.306	0.316	6.0
Benzoic acid		0.174	0.170	0.192	0.210	0.210	0.198	10.0
Naphthalene		1.145	1.092	1.078	0.984	0.990	1.031	7.2
4-Chloroaniline		0.381	0.366	0.355	0.321	0.321	0.338	8.6
Hexachlorobutadiene		0.220	0.208	0.207	0.192	0.195	0.201	5.8
Caprolactam		0.086	0.086	0.081	0.078	0.075	0.078	7.8
4-Chloro-3-methylphenol		0.319	0.317	0.305	0.288	0.284	0.295	6.4
2-Methylnaphthalene		0.724	0.693	0.680	0.618	0.615	0.646	8.2
Hexachlorocyclopentadiene			0.053	0.087	0.123	0.130	0.113	31.7
2,4,6-Trichlorophenol		0.389	0.366	0.379	0.363	0.360	0.369	3.2

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.: BF101524 SAS No.: BF101524 SDG No.: BF101524
Instrument ID: _____ Calibration Date(s): 10/15/2024
Calibration Time(s): 11:20

LAB FILE ID:		RRF2.5 = BF139805.D		RRF005 = BF139806.D		RRF010 = BF139807.D		
		RRF020 = BF139808.D		RRF040 = BF139809.D		RRF050 = BF139810.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.562	1.442	1.402	1.252	1.248	1.337	10.0
2,4,5-Trichlorophenol		0.412	0.408	0.418	0.380	0.382	0.396	4.2
1,1-Biphenyl		1.681	1.574	1.562	1.441	1.445	1.512	6.5
2-Chloronaphthalene		1.255	1.202	1.199	1.104	1.103	1.155	5.6
2-Nitroaniline		0.377	0.396	0.393	0.372	0.368	0.377	3.5
Dimethylphthalate		1.374	1.316	1.278	1.192	1.142	1.224	8.2
Acenaphthylene		1.870	1.786	1.762	1.642	1.620	1.697	6.6
2,6-Dinitrotoluene		0.288	0.294	0.295	0.278	0.269	0.279	4.9
3-Nitroaniline		0.307	0.299	0.293	0.278	0.264	0.278	7.9
Acenaphthene		1.201	1.144	1.124	1.024	1.008	1.075	7.6
2,4-Dinitrophenol			0.084	0.111	0.122	0.118	0.114	13.5
4-Nitrophenol		0.156	0.167	0.175	0.179	0.168	0.168	5.2
Dibenzofuran		1.807	1.743	1.699	1.541	1.528	1.612	8.5
2,4-Dinitrotoluene		0.372	0.376	0.369	0.345	0.324	0.345	8.4
Diethylphthalate		1.388	1.321	1.264	1.149	1.091	1.191	11.3
4-Chlorophenyl-phenylether		0.714	0.686	0.651	0.589	0.583	0.620	10.5
Fluorene		1.468	1.398	1.333	1.183	1.154	1.254	11.6
4-Nitroaniline		0.284	0.280	0.274	0.251	0.236	0.255	9.9
4,6-Dinitro-2-methylphenol			0.089	0.100	0.108	0.108	0.105	8.7
n-Nitrosodiphenylamine		0.660	0.645	0.637	0.603	0.623	0.633	3.0
Azobenzene		1.397	1.362	1.296	1.209	1.165	1.242	9.1
2,4,6-Tribromophenol		0.187	0.183	0.184	0.166	0.156	0.169	9.4
4-Bromophenyl-phenylether		0.217	0.216	0.219	0.206	0.215	0.215	2.1
Hexachlorobenzene		0.258	0.245	0.243	0.232	0.238	0.241	3.7
Atrazine		0.178	0.164	0.140	0.093	0.094	0.118	35.3
Pentachlorophenol		0.082	0.092	0.103	0.109	0.110	0.103	11.5
Phenanthrene		1.078	1.011	0.977	0.897	0.910	0.955	7.4
Anthracene		1.042	0.990	0.984	0.887	0.894	0.939	7.1
Carbazole		0.954	0.895	0.863	0.786	0.776	0.831	9.0
Di-n-butylphthalate		1.058	0.973	0.927	0.869	0.834	0.902	9.8
Fluoranthene		1.086	1.014	0.909	0.833	0.817	0.901	12.0
Benzidine		0.407	0.337	0.233	0.366	0.354	0.334	16.6
Pyrene		2.326	2.258	2.089	1.608	1.549	1.966	18.6
Terphenyl-d14		1.633	1.512	1.351	1.029	0.977	1.181	26.6
Butylbenzylphthalate		0.573	0.550	0.559	0.526	0.504	0.533	5.3
3,3-Dichlorobenzidine		0.418	0.415	0.443	0.451	0.454	0.443	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.: BF101524 SAS No.: BF101524 SDG No.: BF101524
Instrument ID: _____ Calibration Date(s): 10/15/2024 _____
Calibration Time(s): 11:20 _____

LAB FILE ID:		RRF2.5 = BF139805.D			RRF005 = BF139806.D		RRF010 = BF139807.D	
		RRF020 = BF139808.D			RRF040 = BF139809.D		RRF050 = BF139810.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.479	1.395	1.352	1.239	1.278	1.328	6.4
Chrysene		1.288	1.219	1.241	1.190	1.190	1.211	4.0
Bis(2-ethylhexyl)phthalate		0.605	0.657	0.709	0.721	0.703	0.688	6.1
Di-n-octyl phthalate		1.022	1.115	1.277	1.361	1.380	1.279	11.9
Benzo(b)fluoranthene		1.227	1.152	1.118	1.135	1.122	1.147	3.4
Benzo(k)fluoranthene		1.106	1.046	1.083	1.006	0.977	1.018	6.5
Benzo(a)pyrene		1.052	1.011	1.032	0.985	0.980	1.002	3.1
Indeno(1,2,3-cd)pyrene		1.466	1.428	1.426	1.246	1.273	1.339	7.3
Dibenzo(a,h)anthracene		1.229	1.161	1.164	1.025	1.053	1.098	7.8
Benzo(g,h,i)perylene		1.266	1.253	1.214	1.072	1.092	1.152	7.7
1,2,4,5-Tetrachlorobenzene		0.634	0.597	0.602	0.551	0.559	0.581	5.4
1,4-Dioxane		0.584	0.523	0.508	0.495	0.501	0.516	6.2
2,3,4,6-Tetrachlorophenol		0.321	0.306	0.314	0.289	0.282	0.294	7.2
1-Methylnaphthalene		0.706	0.681	0.657	0.603	0.596	0.629	8.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF101524 SAS No.: BF101524 SDG NO.: BF101524

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 15 2024 12:00AM

Lab File ID: BF139809.D Time Analyzed: 15:39

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	109239	6.857	408979	8.14	215201	9.89
UPPER LIMIT	218478	7.357	817958	8.64	430402	10.392
LOWER LIMIT	54619.5	6.357	204489.5	7.64	107600.5	9.392
EPA SAMPLE NO.						
01 ICVBF101524	111286	6.86	411986	8.14	217368	9.89
02 PB164157BL	89149	6.85	334998	8.13	189711	9.89
03 PB164157BS	104700	6.85	404007	8.13	228692	9.89
04 PB164096TB	81741	6.85	314147	8.13	176355	9.89
05 F05308-SOLID	81166	6.85	309021	8.13	171844	9.89
06 F05308-SOLIDMS	81196	6.86	312809	8.13	172495	9.89
07 F05308-SOLIDMSD	80793	6.86	311366	8.13	172284	9.89
08 Hawthorne TP Soil	82243	6.85	313413	8.13	174555	9.89

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF101524 SAS No.: BF101524 SDG NO.: BF101524

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 15 2024 12:00AM

Lab File ID: BF139809.D Time Analyzed: 15:39

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	109239	6.857	408979	8.14	215201	9.89
UPPER LIMIT	218478	7.357	817958	8.64	430402	10.392
LOWER LIMIT	54619.5	6.357	204489.5	7.64	107600.5	9.392
EPA SAMPLE NO.						
01 ICVBF101524	111286	6.86	411986	8.14	217368	9.89
02 PB164157BL	89149	6.85	334998	8.13	189711	9.89
03 PB164157BS	104700	6.85	404007	8.13	228692	9.89
04 PB164096TB	81741	6.85	314147	8.13	176355	9.89
05 F05308-SOLID	81166	6.85	309021	8.13	171844	9.89
06 F05308-SOLIDMS	81196	6.86	312809	8.13	172495	9.89
07 F05308-SOLIDMSD	80793	6.86	311366	8.13	172284	9.89
08 Hawthorne TP Soil	82243	6.85	313413	8.13	174555	9.89

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF101524 SAS No.: BF101524 SDG NO.: BF101524

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 15 2024 12:00AM

Lab File ID: BF139809.D Time Analyzed: 15:39

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	349089	11.375	180780	14.016	226754	15.48
UPPER LIMIT	698178	11.875	361560	14.516	453508	15.98
LOWER LIMIT	174544.5	10.875	90390	13.516	113377	14.98
EPA SAMPLE NO.						
01 ICVBF101524	348296	11.37	161894	14.02	219472	15.48
02 PB164157BL	352336	11.38	164626	14.01	162439	15.47
03 PB164157BS	390235	11.37	169025	14.02	216444	15.48
04 PB164096TB	327446	11.37	154374	14.01	155985	15.48
05 F05308-SOLID	312907	11.38	141777	14.01	155453	15.47
06 F05308-SOLIDMS	283315	11.37	121764	14.02	160038	15.48
07 F05308-SOLIDMSD	284327	11.38	125906	14.02	162383	15.47
08 Hawthorne TP Soil	313512	11.37	142467	14.01	145725	15.47

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.: BF101524 SAS No.: BF101524 SDG NO.: BF101524

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 15 2024 12:00AM

Lab File ID: BF139809.D Time Analyzed: 15:39

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	349089	11.375	180780	14.016	226754	15.48
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LOWER LIMIT	174544.5	10.875	90390	13.516	113377	14.98
EPA SAMPLE NO.						
01 ICVBF101524	348296	11.37	161894	14.02	219472	15.48
02 PB164157BL	352336	11.38	164626	14.01	162439	15.47
03 PB164157BS	390235	11.37	169025	14.02	216444	15.48
04 PB164096TB	327446	11.37	154374	14.01	155985	15.48
05 F05308-SOLID	312907	11.38	141777	14.01	155453	15.47
06 F05308-SOLIDMS	283315	11.37	121764	14.02	160038	15.48
07 F05308-SOLIDMSD	284327	11.38	125906	14.02	162383	15.47
08 Hawthorne TP Soil	313512	11.37	142467	14.01	145725	15.47

IS4 (PHN) = Phenanthrene-d10

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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.: **BF101524**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164157BS	n-Nitrosodimethylamine	50	40.6	ug/L	81				55	108	
	Pyridine	50	37.7	ug/L	75				29	97	
	Benzaldehyde	50	17.7	ug/L	35				10	162	
	Aniline	50	39.7	ug/L	79				10	130	
	Phenol	50	41	ug/L	82				66	118	
	bis(2-Chloroethyl)ether	50	41.4	ug/L	83				62	103	
	2-Chlorophenol	50	41.7	ug/L	83				70	117	
	1,2-Dichlorobenzene	50	39.9	ug/L	80				72	102	
	1,3-Dichlorobenzene	50	38.4	ug/L	77				71	103	
	1,4-Dichlorobenzene	50	38.7	ug/L	77				76	103	
	Benzyl Alcohol	50	42.5	ug/L	85				36	93	
	2-Methylphenol	50	41.3	ug/L	83				69	109	
	2,2-oxybis(1-Chloropropane)	50	41.8	ug/L	84				65	100	
	Acetophenone	50	39.1	ug/L	78				60	104	
	3+4-Methylphenols	50	41.1	ug/L	82				67	106	
	N-Nitroso-di-n-propylamine	50	41.6	ug/L	83				57	107	
	Hexachloroethane	50	39.3	ug/L	79				76	118	
	Nitrobenzene	50	37.4	ug/L	75				58	106	
	Isophorone	50	41.1	ug/L	82				61	102	
	2-Nitrophenol	50	40.8	ug/L	82				70	115	
	2,4-Dimethylphenol	50	48.1	ug/L	96				42	142	
	bis(2-Chloroethoxy)methane	50	39.5	ug/L	79				58	109	
	2,4-Dichlorophenol	50	40.4	ug/L	81				66	115	
	1,2,4-Trichlorobenzene	50	37.3	ug/L	75				41	115	
	Benzoic acid	50	39.3	ug/L	79				10	125	
	Naphthalene	50	38.4	ug/L	77				64	107	
	4-Chloroaniline	50	22.1	ug/L	44				10	85	
	Hexachlorobutadiene	50	37.3	ug/L	75				69	101	
	Caprolactam	50	43	ug/L	86				58	128	
	4-Chloro-3-methylphenol	50	41.1	ug/L	82				65	114	
	2-Methylnaphthalene	50	39.6	ug/L	79				64	107	
	Hexachlorocyclopentadiene	100	140	ug/L	140				36	160	
	2,4,6-Trichlorophenol	50	38.5	ug/L	77				61	110	
	2,4,5-Trichlorophenol	50	36.6	ug/L	73				70	106	
	1,1-Biphenyl	50	37	ug/L	74				72	98	
	2-Chloronaphthalene	50	36.1	ug/L	72				59	106	
	2-Nitroaniline	50	39.6	ug/L	79				73	114	
	Dimethylphthalate	50	39.8	ug/L	80				64	103	
	Acenaphthylene	50	40.5	ug/L	81				79	103	
	2,6-Dinitrotoluene	50	38.2	ug/L	76				64	110	
	3-Nitroaniline	50	26.2	ug/L	52				28	100	
	Acenaphthene	50	39.3	ug/L	79				59	113	
	Total PAH	800	624.3	ug/L	78				59	113	
	2,4-Dinitrophenol	100	91.1	ug/L	91				36	166	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF101524**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164157BS	4-Nitrophenol	100	88.2	ug/L	88				45	147		
	Dibenzofuran	50	38.5	ug/L	77				65	106		
	2,4-Dinitrotoluene	50	40.2	ug/L	80				60	115		
	2,4-Dinitrotoluene/2,6-Dinitrotc	100	78.4	ug/L	78				60	115		
	Diethylphthalate	50	40.3	ug/L	81				63	105		
	4-Chlorophenyl-phenylether	50	37.8	ug/L	76				61	104		
	Fluorene	50	38.1	ug/L	76				64	107		
	4-Nitroaniline	50	40.1	ug/L	80				55	125		
	4,6-Dinitro-2-methylphenol	50	40.9	ug/L	82				62	132		
	N-Nitrosodiphenylamine	50	38	ug/L	76				61	109		
	Azobenzene	50	40.2	ug/L	80				59	106		
	4-Bromophenyl-phenylether	50	37.4	ug/L	75				73	103		
	Hexachlorobenzene	50	37	ug/L	74				73	106		
	Atrazine	50	60.2	ug/L	120				76	120		
	Pentachlorophenol	100	80.7	ug/L	81				47	114		
	Phenanthrene	50	39.1	ug/L	78				62	109		
	Anthracene	50	40.4	ug/L	81				65	110		
	Carbazole	50	38.3	ug/L	77				62	106		
	Di-n-butylphthalate	50	41.5	ug/L	83				64	106		
	Fluoranthene	50	37.2	ug/L	74				64	110		
	Benzidine	100	55.5	ug/L	56				10	94		
	Pyrene	50	39.1	ug/L	78				71	103		
	Butylbenzylphthalate	50	42.2	ug/L	84				61	105		
	3,3-Dichlorobenzidine	50	26.4	ug/L	53				43	108		
	Benzo(a)anthracene	50	39.8	ug/L	80				62	107		
	Chrysene	50	40.2	ug/L	80				61	108		
	bis(2-Ethylhexyl)phthalate	50	40	ug/L	80				59	110		
	Di-n-octyl phthalate	50	39.9	ug/L	80				52	139		
	Benzo(b)fluoranthene	50	39.8	ug/L	80				77	113		
	Benzo(k)fluoranthene	50	37	ug/L	74		*		77	105		
	Benzo(a)pyrene	50	41.7	ug/L	83				72	131		
	Indeno(1,2,3-cd)pyrene	50	39.5	ug/L	79				72	105		
	Dibenz(a,h)anthracene	50	39.2	ug/L	78				78	115		
	Benzo(g,h,i)perylene	50	35	ug/L	70		*		75	118		
	1,2,4,5-Tetrachlorobenzene	50	36.6	ug/L	73				72	101		
	1,4-Dioxane	50	35.2	ug/L	70				38	125		
	2,3,4,6-Tetrachlorophenol	50	42.5	ug/L	85				63	116		
	1-Methylnaphthalene	50	37.8	ug/L	76				51	114		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBF101524

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF101524

SAS No.: BF101524 SDG NO.: BF101524

Lab File ID: BF139813.D

Lab Sample ID: SSTDICV040

Instrument ID: BNA_F

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 10/15/2024

Level: (low/med) LOW

Time Analyzed: 15:39

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBF101524	SSTDICV040	BF139813.D	10/15/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164157BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF101524

SAS No.: BF101524 SDG NO.: BF101524

Lab File ID: BF139814.D

Lab Sample ID: PB164157BL

Instrument ID: BNA_F

Date Extracted: 10/15/2024

Matrix: (soil/water) water

Date Analyzed: 10/15/2024

Level: (low/med) LOW

Time Analyzed: 16:07

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164157BS	PB164157BS	BF139815.D	10/15/2024
PB164096TB	PB164096TB	BF139816.D	10/15/2024
F05308-SOLID	P4395-02	BF139817.D	10/15/2024
F05308-SOLIDMS	P4395-02MS	BF139818.D	10/15/2024
F05308-SOLIDMSD	P4395-02MSD	BF139819.D	10/15/2024
Hawthorne TP Soil	P4403-02	BF139820.D	10/15/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF101524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4395-02MS		Client Sample ID: F05308-SOLIDMS		DataFile: BF139818.D							
n-Nitrosodimethylamine	500		550	ug/L	110				10	130	
Pyridine	500		430	ug/L	86				10	109	
Benzaldehyde	500		88.6	ug/L	18				10	137	
Aniline	500		210	ug/L	42				10	130	
Phenol	500		490	ug/L	98				10	130	
bis(2-Chloroethyl)ether	500		570	ug/L	114				29	141	
2-Chlorophenol	500		570	ug/L	114				23	127	
1,2-Dichlorobenzene	500		540	ug/L	108				61	114	
1,3-Dichlorobenzene	500		510	ug/L	102				65	106	
1,4-Dichlorobenzene	500		520	ug/L	104				55	125	
Benzyl Alcohol	500		590	ug/L	118	*			31	94	
2-Methylphenol	500		560	ug/L	112				37	126	
2,2-oxybis(1-Chloropropane)	500		580	ug/L	116				36	141	
Acetophenone	500		540	ug/L	108				31	164	
3+4-Methylphenols	500		560	ug/L	112				31	127	
N-Nitroso-di-n-propylamine	500		590	ug/L	118				36	147	
Hexachloroethane	500		530	ug/L	106				49	110	
Nitrobenzene	500		530	ug/L	106				62	112	
Isophorone	500		580	ug/L	116				39	146	
2-Nitrophenol	500		570	ug/L	114				30	148	
2,4-Dimethylphenol	500		700	ug/L	140				17	143	
bis(2-Chloroethoxy)methane	500		560	ug/L	112				39	143	
2,4-Dichlorophenol	500		570	ug/L	114				22	146	
1,2,4-Trichlorobenzene	500		520	ug/L	104				66	110	
Benzoic acid	500		540	ug/L	108	*			10	101	
Naphthalene	500		540	ug/L	108				17	157	
4-Chloroaniline	500		80.8	ug/L	16				10	95	
Hexachlorobutadiene	500		510	ug/L	102				52	125	
Caprolactam	500		520	ug/L	104				10	130	
4-Chloro-3-methylphenol	500		580	ug/L	116				17	148	
2-Methylnaphthalene	500		560	ug/L	112				38	146	
Hexachlorocyclopentadiene	1000		2000	ug/L	200	*			20	153	
2,4,6-Trichlorophenol	500		560	ug/L	112				78	112	
2,4,5-Trichlorophenol	500		550	ug/L	110				71	111	
1,1-Biphenyl	500		540	ug/L	108				38	154	
2-Chloronaphthalene	500		530	ug/L	106				41	145	
2-Nitroaniline	500		570	ug/L	114				39	151	
Dimethylphthalate	500		580	ug/L	116				42	147	
Acenaphthylene	500		580	ug/L	116				40	141	
2,6-Dinitrotoluene	500		550	ug/L	110				43	148	
3-Nitroaniline	500		140	ug/L	28				10	111	
Acenaphthene	500		560	ug/L	112				37	146	
Total PAH	8000		9040	ug/L	113				37	146	
2,4-Dinitrophenol	1000		1500	ug/L	150				14	167	
4-Nitrophenol	1000		1100	ug/L	110				10	130	
Dibenzofuran	500		560	ug/L	112				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF101524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		570	ug/L	114				50	142	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1120	ug/L	112				50	142	
Diethylphthalate	500		580	ug/L	116				41	148	
4-Chlorophenyl-phenylether	500		550	ug/L	110				38	149	
Fluorene	500		550	ug/L	110				39	144	
4-Nitroaniline	500		530	ug/L	106				27	138	
4,6-Dinitro-2-methylphenol	500		610	ug/L	122				32	175	
N-Nitrosodiphenylamine	500		560	ug/L	112				40	150	
Azobenzene	500		580	ug/L	116	*			72	112	
4-Bromophenyl-phenylether	500		550	ug/L	110				42	151	
Hexachlorobenzene	500		540	ug/L	108				72	115	
Atrazine	500		780	ug/L	156				20	162	
Pentachlorophenol	1000		1200	ug/L	120				25	139	
Phenanthrene	500		570	ug/L	114				40	147	
Anthracene	500		590	ug/L	118				41	146	
Carbazole	500		540	ug/L	108				37	154	
Di-n-butylphthalate	500		590	ug/L	118				40	151	
Fluoranthene	500		530	ug/L	106				42	146	
Benzidine	1000	460	330	ug/L	-13	*			10	130	
Pyrene	500		550	ug/L	110				41	149	
Butylbenzylphthalate	500		610	ug/L	122				39	155	
3,3-Dichlorobenzidine	500		330	ug/L	66				10	114	
Benzo(a)anthracene	500		580	ug/L	116				41	147	
Chrysene	500		600	ug/L	120				44	144	
bis(2-Ethylhexyl)phthalate	500		600	ug/L	120				33	160	
Di-n-octyl phthalate	500		610	ug/L	122				36	158	
Benzo(b)fluoranthene	500		600	ug/L	120				40	150	
Benzo(k)fluoranthene	500		560	ug/L	112				40	147	
Benzo(a)pyrene	500		620	ug/L	124				42	147	
Indeno(1,2,3-cd)pyrene	500		560	ug/L	112				30	166	
Dibenz(a,h)anthracene	500		560	ug/L	112				23	172	
Benzo(g,h,i)perylene	500		490	ug/L	98				27	167	
1,2,4,5-Tetrachlorobenzene	500		530	ug/L	106	*			89	102	
1,4-Dioxane	500		500	ug/L	100				38	130	
2,3,4,6-Tetrachlorophenol	500		590	ug/L	118	*			91	111	
1-Methylnaphthalene	500		540	ug/L	108				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF101524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4395-02MSD		Client Sample ID: F05308-SOLIDMSD		DataFile: BF139819.D							
n-Nitrosodimethylamine	500		530	ug/L	106		4		10	130	20
Pyridine	500		410	ug/L	82		5		10	109	20
Benzaldehyde	500		86.7	ug/L	17		6		10	137	20
Aniline	500		210	ug/L	42		0		10	130	20
Phenol	500		470	ug/L	94		4		10	130	20
bis(2-Chloroethyl)ether	500		550	ug/L	110		4		29	141	20
2-Chlorophenol	500		550	ug/L	110		4		23	127	20
1,2-Dichlorobenzene	500		520	ug/L	104		4		61	114	20
1,3-Dichlorobenzene	500		490	ug/L	98		4		65	106	20
1,4-Dichlorobenzene	500		500	ug/L	100		4		55	125	20
Benzyl Alcohol	500		570	ug/L	114	*	3		31	94	20
2-Methylphenol	500		540	ug/L	108		4		37	126	20
2,2-oxybis(1-Chloropropane)	500		560	ug/L	112		4		36	141	20
Acetophenone	500		530	ug/L	106		2		31	164	20
3+4-Methylphenols	500		540	ug/L	108		4		31	127	20
N-Nitroso-di-n-propylamine	500		570	ug/L	114		3		36	147	20
Hexachloroethane	500		520	ug/L	104		2		49	110	20
Nitrobenzene	500		500	ug/L	100		6		62	112	20
Isophorone	500		560	ug/L	112		4		39	146	20
2-Nitrophenol	500		550	ug/L	110		4		30	148	20
2,4-Dimethylphenol	500		660	ug/L	132		6		17	143	20
bis(2-Chloroethoxy)methane	500		540	ug/L	108		4		39	143	20
2,4-Dichlorophenol	500		540	ug/L	108		5		22	146	20
1,2,4-Trichlorobenzene	500		500	ug/L	100		4		66	110	20
Benzoic acid	500		540	ug/L	108	*	0		10	101	20
Naphthalene	500		520	ug/L	104		4		17	157	20
4-Chloroaniline	500		90.9	ug/L	18		12		10	95	20
Hexachlorobutadiene	500		490	ug/L	98		4		52	125	20
Caprolactam	500		480	ug/L	96		8		10	130	20
4-Chloro-3-methylphenol	500		560	ug/L	112		4		17	148	20
2-Methylnaphthalene	500		540	ug/L	108		4		38	146	20
Hexachlorocyclopentadiene	1000		1900	ug/L	190	*	5		20	153	20
2,4,6-Trichlorophenol	500		540	ug/L	108		4		78	112	20
2,4,5-Trichlorophenol	500		520	ug/L	104		6		71	111	20
1,1-Biphenyl	500		520	ug/L	104		4		38	154	20
2-Chloronaphthalene	500		510	ug/L	102		4		41	145	20
2-Nitroaniline	500		540	ug/L	108		5		39	151	20
Dimethylphthalate	500		560	ug/L	112		4		42	147	20
Acenaphthylene	500		560	ug/L	112		4		40	141	20
2,6-Dinitrotoluene	500		530	ug/L	106		4		43	148	20
3-Nitroaniline	500		130	ug/L	26		7		10	111	20
Acenaphthene	500		540	ug/L	108		4		37	146	20
Total PAH	8000		8540	ug/L	107		5		37	146	20
2,4-Dinitrophenol	1000		1500	ug/L	150		0		14	167	20
4-Nitrophenol	1000		1000	ug/L	100		10		10	130	20
Dibenzofuran	500		530	ug/L	106		6		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF101524

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		550	ug/L	110		4		50	142	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1080	ug/L	108		4		50	142	20
Diethylphthalate	500		550	ug/L	110		5		41	148	20
4-Chlorophenyl-phenylether	500		520	ug/L	104		6		38	149	20
Fluorene	500		530	ug/L	106		4		39	144	20
4-Nitroaniline	500		490	ug/L	98		8		27	138	20
4,6-Dinitro-2-methylphenol	500		600	ug/L	120		2		32	175	20
N-Nitrosodiphenylamine	500		540	ug/L	108		4		40	150	20
Azobenzene	500		550	ug/L	110		5		72	112	20
4-Bromophenyl-phenylether	500		530	ug/L	106		4		42	151	20
Hexachlorobenzene	500		520	ug/L	104		4		72	115	20
Atrazine	500		730	ug/L	146		7		20	162	20
Pentachlorophenol	1000		1200	ug/L	120		0		25	139	20
Phenanthrene	500		550	ug/L	110		4		40	147	20
Anthracene	500		560	ug/L	112		5		41	146	20
Carbazole	500		510	ug/L	102		6		37	154	20
Di-n-butylphthalate	500		560	ug/L	112		5		40	151	20
Fluoranthene	500		500	ug/L	100		6		42	146	20
Benzidine	1000	460	270	ug/L	-19	*	38	*	10	130	20
Pyrene	500		510	ug/L	102		8		41	149	20
Butylbenzylphthalate	500		570	ug/L	114		7		39	155	20
3,3-Dichlorobenzidine	500		280	ug/L	56		16		10	114	20
Benzo(a)anthracene	500		550	ug/L	110		5		41	147	20
Chrysene	500		550	ug/L	110		9		44	144	20
bis(2-Ethylhexyl)phthalate	500		550	ug/L	110		9		33	160	20
Di-n-octyl phthalate	500		560	ug/L	112		9		36	158	20
Benzo(b)fluoranthene	500		580	ug/L	116		3		40	150	20
Benzo(k)fluoranthene	500		510	ug/L	102		9		40	147	20
Benzo(a)pyrene	500		590	ug/L	118		5		42	147	20
Indeno(1,2,3-cd)pyrene	500		520	ug/L	104		7		30	166	20
Dibenz(a,h)anthracene	500		520	ug/L	104		7		23	172	20
Benzo(g,h,i)perylene	500		450	ug/L	90		9		27	167	20
1,2,4,5-Tetrachlorobenzene	500		510	ug/L	102		4		89	102	20
1,4-Dioxane	500		480	ug/L	96		4		38	130	20
2,3,4,6-Tetrachlorophenol	500		590	ug/L	118	*	0		91	111	20
1-Methylnaphthalene	500		510	ug/L	102		6		25	151	20

Surrogate Summary

SW-846

SDG No.: **BF101524**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV040	ICVBF101524	BF139813.D	2-Fluorophenol	150	77,861.00	51907	*	10	139
			Phenol-d6	150	77,760.00	51840	*	10	134
			Nitrobenzene-d5	100	77,347.00	77347	*	49	133
			2-Fluorobiphenyl	100	75,014.00	75014	*	52	132
			2,4,6-Tribromophenol	150	79,319.00	52879	*	44	137
			Terphenyl-d14	100	81,589.00	81589	*	48	125

Surrogate Summary

SW-846

SDG No.: **BF101524**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4395-02	F05308-SOLID	BF139817.D	2-Fluorophenol	150	140.09	93		10	139
			Phenol-d6	150	128.42	86		10	134
			Nitrobenzene-d5	100	104.99	105		49	133
			2-Fluorobiphenyl	100	98.64	99		52	132
			2,4,6-Tribromophenol	150	159.00	106		44	137
			Terphenyl-d14	100	191.26	191	*	48	125
P4395-02MS	F05308-SOLIDMS	BF139818.D	2-Fluorophenol	150	149.28	100		10	139
			Phenol-d6	150	139.57	93		10	134
			Nitrobenzene-d5	100	109.71	110		49	133
			2-Fluorobiphenyl	100	103.45	103		52	132
			2,4,6-Tribromophenol	150	163.08	109		44	137
			Terphenyl-d14	100	178.68	179	*	48	125
P4395-02MSD	F05308-SOLIDMSIBF	139819.D	2-Fluorophenol	150	144.93	97		10	139
			Phenol-d6	150	134.33	90		10	134
			Nitrobenzene-d5	100	105.94	106		49	133
			2-Fluorobiphenyl	100	99.83	100		52	132
			2,4,6-Tribromophenol	150	157.07	105		44	137
			Terphenyl-d14	100	155.76	156	*	48	125
P4403-02	Hawthorne TP Soil	BF139820.D	2-Fluorophenol	150	148.30	99		10	139
			Phenol-d6	150	132.24	88		10	134
			Nitrobenzene-d5	100	111.71	112		49	133
			2-Fluorobiphenyl	100	104.73	105		52	132
			2,4,6-Tribromophenol	150	164.59	110		44	137
			Terphenyl-d14	100	-20.00	-20	*	48	125
PB164096TB	PB164096TB	BF139816.D	2-Fluorophenol	150	156.18	104		10	139
			Phenol-d6	150	154.55	103		10	134
			Nitrobenzene-d5	100	106.01	106		49	133
			2-Fluorobiphenyl	100	99.80	100		52	132
			2,4,6-Tribromophenol	150	157.73	105		44	137
			Terphenyl-d14	100	202.52	203	*	48	125
PB164157BL	PB164157BL	BF139814.D	2-Fluorophenol	150	135.60	90		10	139
			Phenol-d6	150	134.42	90		10	134
			Nitrobenzene-d5	100	92.75	93		49	133
			2-Fluorobiphenyl	100	87.82	88		52	132
			2,4,6-Tribromophenol	150	139.30	93		44	137
			Terphenyl-d14	100	153.13	153	*	48	125
PB164157BS	PB164157BS	BF139815.D	2-Fluorophenol	150	115.04	77		10	139
			Phenol-d6	150	114.35	76		10	134
			Nitrobenzene-d5	100	77.60	78		49	133
			2-Fluorobiphenyl	100	72.86	73		52	132
			2,4,6-Tribromophenol	150	116.52	78		44	137
			Terphenyl-d14	100	104.97	105		48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF101524

Lab Code: CHEM

SAS No.: BF101524 SDG NO.: BF101524

Lab File ID: BF139804.D

DFTPP Injection Date: 10/15/2024

Instrument ID: BNA_F

DFTPP Injection Time: 10:51

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45.8
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	38.5
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.7
197	Less than 2.0% of mass 198	0.8
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	26.4
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14.6
442	Greater than 50% of mass 198	91.7
443	15.0 - 24.0% of mass 442	17.4 (18.9) 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
SSTDICC2.5	SSTDICC2.5	BF139805.D	10/15/2024	11:20
SSTDICC005	SSTDICC005	BF139806.D	10/15/2024	11:48
SSTDICC010	SSTDICC010	BF139807.D	10/15/2024	12:17
SSTDICC020	SSTDICC020	BF139808.D	10/15/2024	12:46
SSTDICCC040	SSTDICCC040	BF139809.D	10/15/2024	13:44
SSTDICC050	SSTDICC050	BF139810.D	10/15/2024	14:12
SSTDICC060	SSTDICC060	BF139811.D	10/15/2024	14:42
SSTDICC080	SSTDICC080	BF139812.D	10/15/2024	15:10
ICVBF101524	SSTDICV040	BF139813.D	10/15/2024	15:39
PB164157BL	PB164157BL	BF139814.D	10/15/2024	16:07
PB164157BS	PB164157BS	BF139815.D	10/15/2024	16:36
PB164096TB	PB164096TB	BF139816.D	10/15/2024	17:05
F05308-SOLID	P4395-02	BF139817.D	10/15/2024	17:33
F05308-SOLIDMS	P4395-02MS	BF139818.D	10/15/2024	18:02
F05308-SOLIDMSD	P4395-02MSD	BF139819.D	10/15/2024	18:30
Hawthorne TP Soil	P4403-02	BF139820.D	10/15/2024	18:59