

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF091324 SAS No.: BF091324 SDG No.: BF091324

Instrument ID: BNA_F Calibration Date/Time: 9/13/2024 1:16:53

Lab File ID: BF139349.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	0.940	0.941		0.106	
Pyridine	1.084	1.098		1.292	
2-Fluorophenol	1.226	1.216		-0.816	
Benzaldehyde	0.930	0.833		-10.43	
Aniline	1.214	1.194		-1.647	
Phenol-d6	1.609	1.598		-0.684	
Phenol	1.639	1.609		-1.83	20.0
bis(2-Chloroethyl) ether	1.246	1.133		-9.069	
2-Chlorophenol	1.262	1.242		-1.585	
1,2-Dichlorobenzene	1.370	1.344		-1.898	
1,3-Dichlorobenzene	1.435	1.414		-1.463	
1,4-Dichlorobenzene	1.450	1.432		-1.241	20.0
Benzyl Alcohol	1.284	1.282		-0.156	
2-Methylphenol	1.003	0.986		-1.695	
2,2-oxybis(1-Chloropropane)	1.920	1.868		-2.708	
Acetophenone	0.523	0.539		3.059	
3+4-Methylphenols	1.368	1.351		-1.243	
n-Nitroso-di-n-propylamine	0.954	0.939	0.050	-1.572	
Nitrobenzene-d5	0.425	0.441		3.765	
Hexachloroethane	0.552	0.543		-1.63	
Nitrobenzene	0.438	0.453		3.425	
Isophorone	0.673	0.685		1.783	
2-Nitrophenol	0.171	0.182		6.433	20.0
2,4-Dimethylphenol	0.225	0.235		4.444	
bis(2-Chloroethoxy) methane	0.383	0.387		1.044	
2,4-Dichlorophenol	0.286	0.295		3.147	20.0
1,2,4-Trichlorobenzene	0.333	0.341		2.402	
Benzoic acid	0.211	0.220		4.265	
Naphthalene	1.044	1.070		2.49	
4-Chloroaniline	0.319	0.337		5.643	
Hexachlorobutadiene	0.226	0.232		2.655	20.0
Caprolactam	0.088	0.093		5.682	
4-Chloro-3-methylphenol	0.327	0.341		4.281	20.0
2-Methylnaphthalene	0.663	0.680		2.564	
Hexachlorocyclopentadiene	0.207	0.229	0.050	10.628	
2,4,6-Trichlorophenol	0.386	0.421		9.067	20.0
2-Fluorobiphenyl	1.426	1.491		4.558	
2,4,5-Trichlorophenol	0.407	0.434		6.634	
1,1-Biphenyl	1.539	1.613		4.808	

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Lab File ID: BF139349.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	1.150	1.215		5.652	
2-Nitroaniline	0.428	0.456		6.542	
Dimethylphthalate	1.313	1.382		5.255	
Acenaphthylene	1.732	1.814		4.734	
2,6-Dinitrotoluene	0.291	0.313		7.56	
3-Nitroaniline	0.291	0.319		9.622	
Acenaphthene	1.209	1.289		6.617	20.0
2,4-Dinitrophenol	0.162	0.178	0.050	9.877	
4-Nitrophenol	0.240	0.264	0.050	10.0	
Dibenzofuran	1.685	1.780		5.638	
2,4-Dinitrotoluene	0.393	0.434		10.433	
Diethylphthalate	1.355	1.440		6.273	
4-Chlorophenyl-phenylether	0.668	0.705		5.539	
Fluorene	1.375	1.472		7.055	
4-Nitroaniline	0.317	0.348		9.779	
4,6-Dinitro-2-methylphenol	0.106	0.117		10.377	
n-Nitrosodiphenylamine	0.585	0.601		2.735	20.0
Azobenzene	1.332	1.423		6.832	
2,4,6-Tribromophenol	0.213	0.229		7.512	
4-Bromophenyl-phenylether	0.198	0.207		4.545	
Hexachlorobenzene	0.233	0.243		4.292	
Atrazine	0.139	0.121		-12.95	
Pentachlorophenol	0.140	0.150		7.143	20.0
Phenanthrene	0.965	1.004		4.041	
Anthracene	0.943	0.987		4.666	
Carbazole	0.903	0.946		4.762	
Di-n-butylphthalate	1.006	1.075		6.859	
Fluoranthene	1.030	1.085		5.34	20.0
Benzidine	0.287	0.384		33.798	
Pyrene	1.717	1.924		12.056	
Terphenyl-d14	1.218	1.349		10.755	
Butylbenzylphthalate	0.585	0.627		7.179	
3,3-Dichlorobenzidine	0.388	0.374		-3.608	
Benzo(a)anthracene	1.325	1.358		2.491	
Chrysene	1.219	1.234		1.231	
Bis(2-ethylhexyl)phthalate	0.744	0.764		2.688	
Di-n-octyl phthalate	1.095	1.129		3.105	20.0
Benzo(b)fluoranthene	1.233	1.226		-0.568	
Benzo(k)fluoranthene	1.137	1.191		4.749	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF091324 SAS No.: BF091324 SDG No.: BF091324

Instrument ID: BNA_F Calibration Date/Time: 9/13/2024 1:16:53

Lab File ID: BF139349.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	1.023	1.076		5.181	20.0
Indeno(1,2,3-cd)pyrene	1.189	1.363		14.634	
Dibenzo(a,h)anthracene	0.983	1.098		11.699	
Benzo(g,h,i)perylene	0.973	1.106		13.669	
1,2,4,5-Tetrachlorobenzene	0.593	0.619		4.384	
1,4-Dioxane	0.492	0.494		0.407	20.0
2,3,4,6-Tetrachlorophenol	0.336	0.359		6.845	
1-Methylnaphthalene	0.651	0.662		1.69	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF091324			SDG No.:	BF091324		
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
BF139353.D	1		9/13/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	40600		1000	8000	10000	ug/L
110-86-1	Pyridine	43100		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	42400		4000	8000	10000	ug/L
62-53-3	Aniline	44600		1600	4000	5000	ug/L
108-95-2	Phenol	41600		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	37800		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	41200		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	41000		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	40200		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	40300		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	41300		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	40400		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41200		1400	4000	5000	ug/L
98-86-2	Acetophenone	41200		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	40800		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41400		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	41200		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	41700		1300	4000	5000	ug/L
78-59-1	Isophorone	41400		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	43500		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	41900		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41900		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	42100		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	41400		1100	4000	5000	ug/L
65-85-0	Benzoic acid	44300		5500	8000	10000	ug/L
91-20-3	Naphthalene	41500		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	43600		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	41400		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF091324			SDG No.:	BF091324		
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
BF139353.D	1		9/13/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	41400		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	41600		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	40700		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	40900		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	42000		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	42400		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	41000		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	41400		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	42700		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	40900		930	4000	5000	ug/L
208-96-8	Acenaphthylene	41100		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	43100		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	43600		1400	4000	5000	ug/L
83-32-9	Acenaphthene	41600		810	4000	5000	ug/L
Total PAH	Total PAH	663200		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	41300		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	41700		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	41200		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	43400		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	86500		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	41500		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41200		980	4000	5000	ug/L
86-73-7	Fluorene	41500		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	41300		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	43300		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	41900		890	4000	5000	ug/L
103-33-3	Azobenzene	41600		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	42100		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	41600		1100	4000	5000	ug/L
1912-24-9	Atrazine	35100		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF091324			SDG No.:	BF091324		
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
BF139353.D	1		9/13/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	43100		1900	8000	10000	ug/L
85-01-8	Phenanthrene	41500		890	4000	5000	ug/L
120-12-7	Anthracene	41400		1100	4000	5000	ug/L
86-74-8	Carbazole	41200		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	43300		1500	4000	5000	ug/L
206-44-0	Fluoranthene	39900		1300	4000	5000	ug/L
92-87-5	Benzidine	54900		4100	8000	10000	ug/L
129-00-0	Pyrene	43400		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	43300		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	40900		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	41000		940	4000	5000	ug/L
218-01-9	Chrysene	41600		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	42800		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	42700		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	41700		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	38400		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	41800		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42700		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	42800		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	41300		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41600		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	39100		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	41000		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	41100		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	80470	*	10-139		53647	SPK: -150
13127-88-3	Phenol-d6	81152	*	10-134		54101	SPK: -150
4165-60-0	Nitrobenzene-d5	84223	*	49-133		84223	SPK: -100
321-60-8	2-Fluorobiphenyl	82154	*	52-132		82154	SPK: -100

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF091324			SDG No.:	BF091324		
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
BF139353.D	1		9/13/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	83413	*	44-137		55609	SPK: -150
1718-51-0	Terphenyl-d14	87992	*	48-125		87992	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	62446	6.881				
1146-65-2	Naphthalene-d8	224439	8.163				
15067-26-2	Acenaphthene-d10	123398	9.916				
1517-22-2	Phenanthrene-d10	232644	11.398				
1719-03-5	Chrysene-d12	126339	14.033				
1520-96-3	Perylene-d12	129089	15.498				

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	PB163259BL	SDG No.:	BF091324
Lab Sample ID:	PB163259BL	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
BF139354.D	1	9/10/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163259

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:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	PB163259BL	SDG No.:	BF091324
Lab Sample ID:	PB163259BL	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
BF139354.D	1	9/10/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163259

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:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	PB163259BL	SDG No.:	BF091324
Lab Sample ID:	PB163259BL	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
BF139354.D	1	9/10/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163259

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	133.844		10-139		89	SPK: -150
13127-88-3	Phenol-d6	132.814		10-134		89	SPK: -150
4165-60-0	Nitrobenzene-d5	90.77		49-133		91	SPK: -100
321-60-8	2-Fluorobiphenyl	91.671		52-132		92	SPK: -100

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	PB163259BL	SDG No.:	BF091324
Lab Sample ID:	PB163259BL	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
BF139354.D	1	9/10/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	133.428		44-137		89	SPK: -150
1718-51-0	Terphenyl-d14	93.308		48-125		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	54096	6.875				
1146-65-2	Naphthalene-d8	201446	8.157				
15067-26-2	Acenaphthene-d10	114079	9.91				
1517-22-2	Phenanthrene-d10	224784	11.392				
1719-03-5	Chrysene-d12	158549	14.027				
1520-96-3	Perylene-d12	130068	15.498				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	4.3	J			2.263	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	6.7	A			5.116	

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SP6630			SDG No.:	BF091324		
Lab Sample ID:	SP6630			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
BF139355.D	1		9/13/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54000		1000	8000	10000	ug/L
110-86-1	Pyridine	57100		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	59100		4000	8000	10000	ug/L
62-53-3	Aniline	62000		1600	4000	5000	ug/L
108-95-2	Phenol	54300		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	51000		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	53300		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	53000		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	52200		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	53100		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	54300		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	54200		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	57300		1400	4000	5000	ug/L
98-86-2	Acetophenone	52100		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	54400		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	56600		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	51900		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	50100		1300	4000	5000	ug/L
78-59-1	Isophorone	55000		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	55000		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	64100		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	53500		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	52900		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	49700		1100	4000	5000	ug/L
65-85-0	Benzoic acid	49800		5500	8000	10000	ug/L
91-20-3	Naphthalene	51800		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	39200		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	51000		1300	4000	5000	ug/L

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	SP6630	SDG No.:	BF091324
Lab Sample ID:	SP6630	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000000 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
BF139355.D	1		9/13/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	51600		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	52800		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	53400		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	203700	E	5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	54900		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	51500		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	51600		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	51900		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	52500		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	53400		930	4000	5000	ug/L
208-96-8	Acenaphthylene	56900		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	51400		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	39100		1400	4000	5000	ug/L
83-32-9	Acenaphthene	60600		810	4000	5000	ug/L
Total PAH	Total PAH	871800		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	113600	E	6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	111200	E	2000	8000	10000	ug/L
132-64-9	Dibenzofuran	53600		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	54000		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	105400		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	53600		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	53000		980	4000	5000	ug/L
86-73-7	Fluorene	53100		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	49800		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	55900		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	53000		890	4000	5000	ug/L
103-33-3	Azobenzene	54800		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	53400		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	52600		1100	4000	5000	ug/L
1912-24-9	Atrazine	76100		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SP6630			SDG No.:	BF091324		
Lab Sample ID:	SP6630			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
BF139355.D	1		9/13/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	107400	E	1900	8000	10000	ug/L
85-01-8	Phenanthrene	54200		890	4000	5000	ug/L
120-12-7	Anthracene	56500		1100	4000	5000	ug/L
86-74-8	Carbazole	53100		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	57200		1500	4000	5000	ug/L
206-44-0	Fluoranthene	54300		1300	4000	5000	ug/L
92-87-5	Benzidine	172900	E	4100	8000	10000	ug/L
129-00-0	Pyrene	56200		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	59800		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	36900		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	55700		940	4000	5000	ug/L
218-01-9	Chrysene	51400		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	61000		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	57800		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	53000		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	53900		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	58200		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	54300		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	54400		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	47300		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	52300		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	53900		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	56400		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	50500		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	0	U	10-139		0	SPK: -150
13127-88-3	Phenol-d6	0	U	10-134		0	SPK: -150
4165-60-0	Nitrobenzene-d5	0	U	49-133		0	SPK: -100
321-60-8	2-Fluorobiphenyl	0	U	52-132		0	SPK: -100

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SP6630			SDG No.:	BF091324		
Lab Sample ID:	SP6630			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
BF139355.D	1		9/13/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	0	U	44-137		0	SPK: -150
1718-51-0	Terphenyl-d14	0	U	48-125		0	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	53412	6.875				
1146-65-2	Naphthalene-d8	199869	8.163				
15067-26-2	Acenaphthene-d10	111973	9.916				
1517-22-2	Phenanthrene-d10	218041	11.398				
1719-03-5	Chrysene-d12	128554	14.033				
1520-96-3	Perylene-d12	117068	15.498				

Hit Summary Sheet SW-846

SDG No.: BF091324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : SP6630								
SP6630	SP6630	Water	1,1-Biphenyl	51,600.000		910	5000	ug/L
SP6630	SP6630	Water	1,2,4,5-Tetrachlorobenzene	52,300.000		1100	5000	ug/L
SP6630	SP6630	Water	1,2,4-Trichlorobenzene	49,700.000		1100	5000	ug/L
SP6630	SP6630	Water	1,2-Dichlorobenzene	53,000.000		880	5000	ug/L
SP6630	SP6630	Water	1,3-Dichlorobenzene	52,200.000		800	5000	ug/L
SP6630	SP6630	Water	1,4-Dichlorobenzene	53,100.000		840	5000	ug/L
SP6630	SP6630	Water	1,4-Dioxane	53,900.000		1300	5000	ug/L
SP6630	SP6630	Water	1-Methylnaphthalene	50,500.000		860	5000	ug/L
SP6630	SP6630	Water	2,2-oxybis(1-Chloropropane)	57,300.000		1400	5000	ug/L
SP6630	SP6630	Water	2,3,4,6-Tetrachlorophenol	56,400.000		790	5000	ug/L
SP6630	SP6630	Water	2,4,5-Trichlorophenol	51,500.000		1000	5000	ug/L
SP6630	SP6630	Water	2,4,6-Trichlorophenol	54,900.000		890	5000	ug/L
SP6630	SP6630	Water	2,4-Dichlorophenol	52,900.000		880	5000	ug/L
SP6630	SP6630	Water	2,4-Dimethylphenol	64,100.000		1500	5000	ug/L
SP6630	SP6630	Water	2,4-Dinitrophenol	113,600.000	E	6400	10000	ug/L
SP6630	SP6630	Water	2,4-Dinitrotoluene	54,000.000		1500	5000	ug/L
SP6630	SP6630	Water	2,6-Dinitrotoluene	51,400.000		1200	5000	ug/L
SP6630	SP6630	Water	2-Chloronaphthalene	51,900.000		970	5000	ug/L
SP6630	SP6630	Water	2-Chlorophenol	53,300.000		710	5000	ug/L
SP6630	SP6630	Water	2-Methylnaphthalene	53,400.000		1100	5000	ug/L
SP6630	SP6630	Water	2-Methylphenol	54,200.000		1100	5000	ug/L
SP6630	SP6630	Water	2-Nitroaniline	52,500.000		1400	5000	ug/L
SP6630	SP6630	Water	2-Nitrophenol	55,000.000		2000	5000	ug/L
SP6630	SP6630	Water	3+4-Methylphenols	54,400.000		1200	10000	ug/L
SP6630	SP6630	Water	3,3-Dichlorobenzidine	36,900.000		1300	10000	ug/L
SP6630	SP6630	Water	3-Nitroaniline	39,100.000		1400	5000	ug/L
SP6630	SP6630	Water	4,6-Dinitro-2-methylphenol	55,900.000		3100	10000	ug/L
SP6630	SP6630	Water	4-Bromophenyl-phenylether	53,400.000		950	5000	ug/L
SP6630	SP6630	Water	4-Chloro-3-methylphenol	52,800.000		840	5000	ug/L
SP6630	SP6630	Water	4-Chloroaniline	39,200.000		1300	5000	ug/L
SP6630	SP6630	Water	4-Chlorophenyl-phenylether	53,000.000		980	5000	ug/L
SP6630	SP6630	Water	4-Nitroaniline	49,800.000		2000	5000	ug/L
SP6630	SP6630	Water	4-Nitrophenol	111,200.000	E	2000	10000	ug/L
SP6630	SP6630	Water	Acenaphthene	60,600.000		810	5000	ug/L
SP6630	SP6630	Water	Acenaphthylene	56,900.000		1000	5000	ug/L
SP6630	SP6630	Water	Acetophenone	52,100.000		1100	5000	ug/L
SP6630	SP6630	Water	Aniline	62,000.000		1600	5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BF091324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SP6630	SP6630	Water	Anthracene	56,500.000		1100	5000	ug/L
SP6630	SP6630	Water	Atrazine	76,100.000		1300	5000	ug/L
SP6630	SP6630	Water	Azobenzene	54,800.000		1200	5000	ug/L
SP6630	SP6630	Water	Benzaldehyde	59,100.000		4000	10000	ug/L
SP6630	SP6630	Water	Benzidine	172,900.000	E	4100	10000	ug/L
SP6630	SP6630	Water	Benzo(a)anthracene	55,700.000		940	5000	ug/L
SP6630	SP6630	Water	Benzo(a)pyrene	58,200.000		1700	5000	ug/L
SP6630	SP6630	Water	Benzo(b)fluoranthene	53,000.000		1100	5000	ug/L
SP6630	SP6630	Water	Benzo(g,h,i)perylene	47,300.000		1200	5000	ug/L
SP6630	SP6630	Water	Benzo(k)fluoranthene	53,900.000		1200	5000	ug/L
SP6630	SP6630	Water	Benzoic acid	49,800.000		5500	10000	ug/L
SP6630	SP6630	Water	Benzyl Alcohol	54,300.000		1600	10000	ug/L
SP6630	SP6630	Water	bis(2-Chloroethoxy)methane	53,500.000		1000	5000	ug/L
SP6630	SP6630	Water	bis(2-Chloroethyl)ether	51,000.000		1200	5000	ug/L
SP6630	SP6630	Water	Bis(2-ethylhexyl)phthalate	61,000.000		1900	5000	ug/L
SP6630	SP6630	Water	Butylbenzylphthalate	59,800.000		2100	5000	ug/L
SP6630	SP6630	Water	Caprolactam	51,600.000		1700	10000	ug/L
SP6630	SP6630	Water	Carbazole	53,100.000		1200	5000	ug/L
SP6630	SP6630	Water	Chrysene	51,400.000		860	5000	ug/L
SP6630	SP6630	Water	Di-n-butylphthalate	57,200.000		1500	5000	ug/L
SP6630	SP6630	Water	Di-n-octyl phthalate	57,800.000		2500	10000	ug/L
SP6630	SP6630	Water	Dibenzo(a,h)anthracene	54,400.000		1200	5000	ug/L
SP6630	SP6630	Water	Dibenzofuran	53,600.000		930	5000	ug/L
SP6630	SP6630	Water	Diethylphthalate	53,600.000		1000	5000	ug/L
SP6630	SP6630	Water	Dimethylphthalate	53,400.000		930	5000	ug/L
SP6630	SP6630	Water	Fluoranthene	54,300.000		1300	5000	ug/L
SP6630	SP6630	Water	Fluorene	53,100.000		960	5000	ug/L
SP6630	SP6630	Water	Hexachlorobenzene	52,600.000		1100	5000	ug/L
SP6630	SP6630	Water	Hexachlorobutadiene	51,000.000		1300	5000	ug/L
SP6630	SP6630	Water	Hexachlorocyclopentadiene	203,700.000	E	5000	10000	ug/L
SP6630	SP6630	Water	Hexachloroethane	51,900.000		1000	5000	ug/L
SP6630	SP6630	Water	Indeno(1,2,3-cd)pyrene	54,300.000		1000	5000	ug/L
SP6630	SP6630	Water	Isophorone	55,000.000		1100	5000	ug/L
SP6630	SP6630	Water	n-Nitroso-di-n-propylamine	56,600.000		1500	2500	ug/L
SP6630	SP6630	Water	n-Nitrosodimethylamine	54,000.000		1000	10000	ug/L
SP6630	SP6630	Water	n-Nitrosodiphenylamine	53,000.000		890	5000	ug/L
SP6630	SP6630	Water	Naphthalene	51,800.000		1000	5000	ug/L
SP6630	SP6630	Water	Nitrobenzene	50,100.000		1300	5000	ug/L
SP6630	SP6630	Water	Pentachlorophenol	107,400.000	E	1900	10000	ug/L
SP6630	SP6630	Water	Phenanthrene	54,200.000		890	5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BF091324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SP6630	SP6630	Water	Phenol	54,300.000		930	5000	ug/L
SP6630	SP6630	Water	Pyrene	56,200.000		1100	5000	ug/L
SP6630	SP6630	Water	Pyridine	57,100.000		1600	5000	ug/L
SP6630	SP6630	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	105,400.000		2700	10000	ug/L
SP6630	SP6630	Water	Total PAH	871,800.000		17360	80000	ug/L
Total Svoc :				5,720,800.00				
Total Concentration:				5,720,800.00				

Client ID : ICVBF091324

SSTDICV040	ICVBF091324	Water	1,1-Biphenyl	41,000.000		910	5000	ug/L
SSTDICV040	ICVBF091324	Water	1,2,4,5-Tetrachlorobenzene	41,600.000		1100	5000	ug/L
SSTDICV040	ICVBF091324	Water	1,2,4-Trichlorobenzene	41,400.000		1100	5000	ug/L
SSTDICV040	ICVBF091324	Water	1,2-Dichlorobenzene	41,000.000		880	5000	ug/L
SSTDICV040	ICVBF091324	Water	1,3-Dichlorobenzene	40,200.000		800	5000	ug/L
SSTDICV040	ICVBF091324	Water	1,4-Dichlorobenzene	40,300.000		840	5000	ug/L
SSTDICV040	ICVBF091324	Water	1,4-Dioxane	39,100.000		1300	5000	ug/L
SSTDICV040	ICVBF091324	Water	1-Methylnaphthalene	41,100.000		860	5000	ug/L
SSTDICV040	ICVBF091324	Water	2,2-oxybis(1-Chloropropane)	41,200.000		1400	5000	ug/L
SSTDICV040	ICVBF091324	Water	2,3,4,6-Tetrachlorophenol	41,000.000		790	5000	ug/L
SSTDICV040	ICVBF091324	Water	2,4,5-Trichlorophenol	42,400.000		1000	5000	ug/L
SSTDICV040	ICVBF091324	Water	2,4,6-Trichlorophenol	42,000.000		890	5000	ug/L
SSTDICV040	ICVBF091324	Water	2,4-Dichlorophenol	42,100.000		880	5000	ug/L
SSTDICV040	ICVBF091324	Water	2,4-Dimethylphenol	41,900.000		1500	5000	ug/L
SSTDICV040	ICVBF091324	Water	2,4-Dinitrophenol	41,300.000		6400	10000	ug/L
SSTDICV040	ICVBF091324	Water	2,4-Dinitrotoluene	43,400.000		1500	5000	ug/L
SSTDICV040	ICVBF091324	Water	2,6-Dinitrotoluene	43,100.000		1200	5000	ug/L
SSTDICV040	ICVBF091324	Water	2-Chloronaphthalene	41,400.000		970	5000	ug/L
SSTDICV040	ICVBF091324	Water	2-Chlorophenol	41,200.000		710	5000	ug/L
SSTDICV040	ICVBF091324	Water	2-Methylnaphthalene	40,700.000		1100	5000	ug/L
SSTDICV040	ICVBF091324	Water	2-Methylphenol	40,400.000		1100	5000	ug/L
SSTDICV040	ICVBF091324	Water	2-Nitroaniline	42,700.000		1400	5000	ug/L
SSTDICV040	ICVBF091324	Water	2-Nitrophenol	43,500.000		2000	5000	ug/L
SSTDICV040	ICVBF091324	Water	3+4-Methylphenols	40,800.000		1200	10000	ug/L
SSTDICV040	ICVBF091324	Water	3,3-Dichlorobenzidine	40,900.000		1300	10000	ug/L
SSTDICV040	ICVBF091324	Water	3-Nitroaniline	43,600.000		1400	5000	ug/L
SSTDICV040	ICVBF091324	Water	4,6-Dinitro-2-methylphenol	43,300.000		3100	10000	ug/L
SSTDICV040	ICVBF091324	Water	4-Bromophenyl-phenylether	42,100.000		950	5000	ug/L
SSTDICV040	ICVBF091324	Water	4-Chloro-3-methylphenol	41,600.000		840	5000	ug/L
SSTDICV040	ICVBF091324	Water	4-Chloroaniline	43,600.000		1300	5000	ug/L
SSTDICV040	ICVBF091324	Water	4-Chlorophenyl-phenylether	41,200.000		980	5000	ug/L
SSTDICV040	ICVBF091324	Water	4-Nitroaniline	41,300.000		2000	5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BF091324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF091324	Water	4-Nitrophenol	41,700.000		2000	10000	ug/L
SSTDICV040	ICVBF091324	Water	Acenaphthene	41,600.000		810	5000	ug/L
SSTDICV040	ICVBF091324	Water	Acenaphthylene	41,100.000		1000	5000	ug/L
SSTDICV040	ICVBF091324	Water	Acetophenone	41,200.000		1100	5000	ug/L
SSTDICV040	ICVBF091324	Water	Aniline	44,600.000		1600	5000	ug/L
SSTDICV040	ICVBF091324	Water	Anthracene	41,400.000		1100	5000	ug/L
SSTDICV040	ICVBF091324	Water	Atrazine	35,100.000		1300	5000	ug/L
SSTDICV040	ICVBF091324	Water	Azobenzene	41,600.000		1200	5000	ug/L
SSTDICV040	ICVBF091324	Water	Benzaldehyde	42,400.000		4000	10000	ug/L
SSTDICV040	ICVBF091324	Water	Benzidine	54,900.000		4100	10000	ug/L
SSTDICV040	ICVBF091324	Water	Benzo(a)anthracene	41,000.000		940	5000	ug/L
SSTDICV040	ICVBF091324	Water	Benzo(a)pyrene	41,800.000		1700	5000	ug/L
SSTDICV040	ICVBF091324	Water	Benzo(b)fluoranthene	41,700.000		1100	5000	ug/L
SSTDICV040	ICVBF091324	Water	Benzo(g,h,i)perylene	41,300.000		1200	5000	ug/L
SSTDICV040	ICVBF091324	Water	Benzo(k)fluoranthene	38,400.000		1200	5000	ug/L
SSTDICV040	ICVBF091324	Water	Benzoic acid	44,300.000		5500	10000	ug/L
SSTDICV040	ICVBF091324	Water	Benzyl Alcohol	41,300.000		1600	10000	ug/L
SSTDICV040	ICVBF091324	Water	bis(2-Chloroethoxy)methane	41,900.000		1000	5000	ug/L
SSTDICV040	ICVBF091324	Water	bis(2-Chloroethyl)ether	37,800.000		1200	5000	ug/L
SSTDICV040	ICVBF091324	Water	Bis(2-ethylhexyl)phthalate	42,800.000		1900	5000	ug/L
SSTDICV040	ICVBF091324	Water	Butylbenzylphthalate	43,300.000		2100	5000	ug/L
SSTDICV040	ICVBF091324	Water	Caprolactam	41,400.000		1700	10000	ug/L
SSTDICV040	ICVBF091324	Water	Carbazole	41,200.000		1200	5000	ug/L
SSTDICV040	ICVBF091324	Water	Chrysene	41,600.000		860	5000	ug/L
SSTDICV040	ICVBF091324	Water	Di-n-butylphthalate	43,300.000		1500	5000	ug/L
SSTDICV040	ICVBF091324	Water	Di-n-octyl phthalate	42,700.000		2500	10000	ug/L
SSTDICV040	ICVBF091324	Water	Dibenzo(a,h)anthracene	42,800.000		1200	5000	ug/L
SSTDICV040	ICVBF091324	Water	Dibenzofuran	41,200.000		930	5000	ug/L
SSTDICV040	ICVBF091324	Water	Diethylphthalate	41,500.000		1000	5000	ug/L
SSTDICV040	ICVBF091324	Water	Dimethylphthalate	40,900.000		930	5000	ug/L
SSTDICV040	ICVBF091324	Water	Fluoranthene	39,900.000		1300	5000	ug/L
SSTDICV040	ICVBF091324	Water	Fluorene	41,500.000		960	5000	ug/L
SSTDICV040	ICVBF091324	Water	Hexachlorobenzene	41,600.000		1100	5000	ug/L
SSTDICV040	ICVBF091324	Water	Hexachlorobutadiene	41,400.000		1300	5000	ug/L
SSTDICV040	ICVBF091324	Water	Hexachlorocyclopentadiene	40,900.000		5000	10000	ug/L
SSTDICV040	ICVBF091324	Water	Hexachloroethane	41,200.000		1000	5000	ug/L
SSTDICV040	ICVBF091324	Water	Indeno(1,2,3-cd)pyrene	42,700.000		1000	5000	ug/L
SSTDICV040	ICVBF091324	Water	Isophorone	41,400.000		1100	5000	ug/L
SSTDICV040	ICVBF091324	Water	n-Nitroso-di-n-propylamine	41,400.000		1500	2500	ug/L
SSTDICV040	ICVBF091324	Water	n-Nitrosodimethylamine	40,600.000		1000	10000	ug/L

Hit Summary Sheet SW-846

SDG No.: BF091324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF091324	Water	n-Nitrosodiphenylamine	41,900.000		890	5000	ug/L
SSTDICV040	ICVBF091324	Water	Naphthalene	41,500.000		1000	5000	ug/L
SSTDICV040	ICVBF091324	Water	Nitrobenzene	41,700.000		1300	5000	ug/L
SSTDICV040	ICVBF091324	Water	Pentachlorophenol	43,100.000		1900	10000	ug/L
SSTDICV040	ICVBF091324	Water	Phenanthrene	41,500.000		890	5000	ug/L
SSTDICV040	ICVBF091324	Water	Phenol	41,600.000		930	5000	ug/L
SSTDICV040	ICVBF091324	Water	Pyrene	43,400.000		1100	5000	ug/L
SSTDICV040	ICVBF091324	Water	Pyridine	43,100.000		1600	5000	ug/L
SSTDICV040	ICVBF091324	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	86,500.000		2700	10000	ug/L
SSTDICV040	ICVBF091324	Water	Total PAH	663,200.000		17360	80000	ug/L
Total Svoc :				4,090,300.00				
Total Concentration:				4,090,300.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF091324 SAS No.: BF091324 SDG No.: BF091324
Instrument ID: _____ Calibration Date(s): 9/13/2024 : _____
Calibration Time(s): 14:32 _____

LAB FILE ID:		RRF2.5 = BF139345.D			RRF005 = BF139346.D		RRF010 = BF139347.D	
		RRF020 = BF139348.D			RRF040 = BF139349.D		RRF050 = BF139350.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.936	0.930	0.973	0.941	0.905	0.940	2.7
Pyridine		1.084	1.102	1.180	1.098	1.002	1.084	5.7
2-Fluorophenol		1.255	1.223	1.262	1.216	1.174	1.226	2.7
Benzaldehyde		1.119	1.053	1.011	0.833	0.761	0.930	16.1
Aniline		1.262	1.232	1.274	1.194	1.101	1.214	5.2
Phenol-d6		1.636	1.624	1.680	1.598	1.522	1.609	3.4
Phenol		1.697	1.708	1.709	1.609	1.524	1.639	4.6
bis(2-Chloroethyl)ether		1.173	1.177	1.190	1.133	1.127	1.246	16.5
2-Chlorophenol		1.262	1.295	1.305	1.242	1.203	1.262	3.1
1,2-Dichlorobenzene		1.429	1.386	1.411	1.344	1.301	1.370	3.6
1,3-Dichlorobenzene		1.500	1.489	1.475	1.414	1.355	1.435	4.0
1,4-Dichlorobenzene		1.477	1.463	1.527	1.432	1.377	1.450	3.5
Benzyl Alcohol		1.277	1.307	1.332	1.282	1.220	1.284	3.5
2-Methylphenol		0.999	1.000	1.077	0.986	0.952	1.003	3.9
2,2-oxybis(1-Chloropropane)		2.033	1.971	2.047	1.868	1.791	1.920	5.5
Acetophenone		0.521	0.509	0.535	0.539	0.502	0.523	2.9
3+4-Methylphenols		1.397	1.358	1.413	1.351	1.306	1.368	3.2
n-Nitroso-di-n-propylamine	0.922	0.950	0.952	1.025	0.939	0.912	0.954	3.9
Nitrobenzene-d5		0.409	0.415	0.434	0.441	0.408	0.425	3.4
Hexachloroethane		0.563	0.567	0.565	0.543	0.531	0.552	2.9
Nitrobenzene		0.434	0.436	0.442	0.453	0.422	0.438	2.4
Isophorone		0.658	0.670	0.698	0.685	0.647	0.673	2.7
2-Nitrophenol		0.153	0.157	0.169	0.182	0.169	0.171	7.3
2,4-Dimethylphenol		0.216	0.219	0.231	0.235	0.219	0.225	3.8
bis(2-Chloroethoxy)methane		0.394	0.378	0.389	0.387	0.364	0.383	2.7
2,4-Dichlorophenol		0.289	0.283	0.285	0.295	0.272	0.286	2.8
1,2,4-Trichlorobenzene		0.347	0.331	0.336	0.341	0.316	0.333	3.1
Benzoic acid		0.164	0.184	0.219	0.220	0.221	0.211	12.5
Naphthalene		1.043	1.038	1.045	1.070	1.003	1.044	2.3
4-Chloroaniline		0.307	0.327	0.334	0.337	0.305	0.319	5.4
Hexachlorobutadiene		0.228	0.231	0.228	0.232	0.220	0.226	2.4
Caprolactam		0.087	0.086	0.089	0.093	0.083	0.088	3.7
4-Chloro-3-methylphenol		0.315	0.317	0.336	0.341	0.315	0.327	3.3
2-Methylnaphthalene		0.672	0.645	0.684	0.680	0.631	0.663	3.1
Hexachlorocyclopentadiene		0.198	0.196	0.224	0.229	0.207	0.207	7.3
2,4,6-Trichlorophenol		0.378	0.373	0.388	0.421	0.370	0.386	4.4

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.: BF091324

SAS No.: BF091324

SDG No.: BF091324

Instrument ID: _____

Calibration Date(s): 9/13/2024 : _____

Calibration Time(s): 14:32 _____

LAB FILE ID:		RRF2.5 = BF139345.D		RRF005 = BF139346.D		RRF010 = BF139347.D		
		RRF020 = BF139348.D		RRF040 = BF139349.D		RRF050 = BF139350.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.470	1.399	1.473	1.491	1.357	1.426	3.6
2,4,5-Trichlorophenol		0.378	0.389	0.426	0.434	0.400	0.407	4.9
1,1-Biphenyl		1.615	1.478	1.566	1.613	1.479	1.539	3.8
2-Chloronaphthalene		1.130	1.110	1.181	1.215	1.116	1.150	3.3
2-Nitroaniline		0.387	0.407	0.436	0.456	0.428	0.428	5.5
Dimethylphthalate		1.318	1.284	1.354	1.382	1.253	1.313	3.4
Acenaphthylene		1.696	1.705	1.799	1.814	1.681	1.732	3.0
2,6-Dinitrotoluene		0.261	0.275	0.303	0.313	0.290	0.291	6.0
3-Nitroaniline		0.279	0.276	0.311	0.319	0.284	0.291	6.7
Acenaphthene		1.186	1.141	1.246	1.289	1.169	1.209	4.1
2,4-Dinitrophenol			0.107	0.149	0.178	0.174	0.162	18.2
4-Nitrophenol		0.225	0.228	0.243	0.264	0.244	0.240	5.3
Dibenzofuran		1.687	1.668	1.738	1.780	1.600	1.685	3.6
2,4-Dinitrotoluene		0.364	0.365	0.391	0.434	0.388	0.393	6.2
Diethylphthalate		1.359	1.291	1.405	1.440	1.309	1.355	3.9
4-Chlorophenyl-phenylether		0.671	0.638	0.691	0.705	0.642	0.668	3.6
Fluorene		1.373	1.323	1.424	1.472	1.325	1.375	4.0
4-Nitroaniline		0.303	0.315	0.344	0.348	0.307	0.317	6.8
4,6-Dinitro-2-methylphenol		0.075	0.092	0.105	0.117	0.113	0.106	15.9
n-Nitrosodiphenylamine		0.581	0.564	0.593	0.601	0.560	0.585	2.9
Azobenzene		1.341	1.286	1.375	1.423	1.280	1.332	3.9
2,4,6-Tribromophenol		0.212	0.202	0.220	0.229	0.204	0.213	4.5
4-Bromophenyl-phenylether		0.190	0.186	0.201	0.207	0.191	0.198	4.4
Hexachlorobenzene		0.232	0.229	0.228	0.243	0.223	0.233	2.9
Atrazine		0.175	0.165	0.144	0.121	0.141	0.139	17.3
Pentachlorophenol		0.123	0.130	0.143	0.150	0.137	0.140	7.2
Phenanthrene		0.981	0.928	0.992	1.004	0.938	0.965	3.0
Anthracene		0.945	0.909	0.971	0.987	0.913	0.943	3.2
Carbazole		0.923	0.897	0.958	0.946	0.881	0.903	4.8
Di-n-butylphthalate		0.935	0.972	1.073	1.075	0.991	1.006	5.3
Fluoranthene		1.100	1.092	1.137	1.085	0.957	1.030	9.3
Benzidine		0.174	0.181	0.262	0.384	0.269	0.287	31.6
Pyrene		1.536	1.568	1.791	1.924	1.774	1.717	8.1
Terphenyl-d14		1.100	1.128	1.282	1.349	1.239	1.218	7.7
Butylbenzylphthalate		0.519	0.552	0.630	0.627	0.585	0.585	6.8
3,3-Dichlorobenzidine		0.388	0.384	0.396	0.374	0.367	0.388	3.6

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.: BF091324 SAS No.: BF091324 SDG No.: BF091324
Instrument ID: _____ Calibration Date(s): 9/13/2024 : _____
Calibration Time(s): 14:32 _____

LAB FILE ID:		RRF2.5 = BF139345.D			RRF005 = BF139346.D		RRF010 = BF139347.D	
		RRF020 = BF139348.D			RRF040 = BF139349.D		RRF050 = BF139350.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.334	1.287	1.404	1.358	1.262	1.325	3.5
Chrysene		1.252	1.206	1.206	1.234	1.185	1.219	2.0
Bis(2-ethylhexyl)phthalate		0.688	0.711	0.816	0.764	0.727	0.744	5.6
Di-n-octyl phthalate		0.969	0.954	1.076	1.129	1.103	1.095	9.7
Benzo(b)fluoranthene		1.284	1.188	1.332	1.226	1.186	1.233	4.4
Benzo(k)fluoranthene		1.221	1.212	1.107	1.191	1.028	1.137	6.4
Benzo(a)pyrene		1.002	0.985	1.031	1.076	0.992	1.023	3.3
Indeno(1,2,3-cd)pyrene		0.947	1.025	1.175	1.363	1.261	1.189	12.8
Dibenzo(a,h)anthracene		0.770	0.847	0.973	1.098	1.044	0.983	13.1
Benzo(g,h,i)perylene		0.805	0.846	0.974	1.106	1.031	0.973	11.4
1,2,4,5-Tetrachlorobenzene		0.600	0.570	0.607	0.619	0.569	0.593	3.1
1,4-Dioxane		0.553	0.504	0.521	0.494	0.447	0.492	7.7
2,3,4,6-Tetrachlorophenol		0.317	0.327	0.364	0.359	0.325	0.336	5.3
1-Methylnaphthalene		0.656	0.647	0.670	0.662	0.616	0.651	2.7

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.: BF091324 SAS No.: BF091324 SDG NO.: BF091324

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

Lab File ID: BF139349.D Time Analyzed: 20:41

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	52723	6.881	182509	8.16	98703	9.92
UPPER LIMIT	105446	7.381	365018	8.663	197406	10.416
LOWER LIMIT	26361.5	6.381	91254.5	7.663	49351.5	9.416
EPA SAMPLE NO.						
01 ICVBF091324	62446	6.88	224439	8.16	123398	9.92
02 PB163259BL	54096	6.88	201446	8.16	114079	9.91
03 SP6630	53412	6.88	199869	8.16	111973	9.92

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.: BF091324 SAS No.: BF091324 SDG NO.: BF091324

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

Lab File ID: BF139349.D Time Analyzed: 20:41

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	52723	6.881	182509	8.16	98703	9.92
UPPER LIMIT	105446	7.381	365018	8.663	197406	10.416
LOWER LIMIT	26361.5	6.381	91254.5	7.663	49351.5	9.416
EPA SAMPLE NO.						
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IS1 (DCB) = 1,4-Dichlorobenzene-d4

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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.: BF091324 SAS No.: BF091324 SDG NO.: BF091324

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

Lab File ID: BF139349.D Time Analyzed: 20:41

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	194097	11.398	109489	14.033	106513	15.498
UPPER LIMIT	388194	11.898	218978	14.533	213026	15.998
LOWER LIMIT	97048.5	10.898	54744.5	13.533	53256.5	14.998
EPA SAMPLE NO.						
01 ICVBF091324	232644	11.40	126339	14.03	129089	15.50
02 PB163259BL	224784	11.39	158549	14.03	130068	15.50
03 SP6630	218041	11.40	128554	14.03	117068	15.50

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF091324 SAS No.: BF091324 SDG NO.: BF091324

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

Lab File ID: BF139349.D Time Analyzed: 20:41

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	194097	11.398	109489	14.033	106513	15.498
UPPER LIMIT	388194	11.898	218978	14.533	213026	15.998
LOWER LIMIT	97048.5	10.898	54744.5	13.533	53256.5	14.998
EPA SAMPLE NO.						
01 ICVBF091324	232644	11.40	126339	14.03	129089	15.50
02 PB163259BL	224784	11.39	158549	14.03	130068	15.50
03 SP6630	218041	11.40	128554	14.03	117068	15.50

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBF091324

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF091324

SAS No.: BF091324 SDG NO.: BF091324

Lab File ID: BF139353.D

Lab Sample ID: SSTDICV040

Instrument ID: BNA_F

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 09/13/2024

Level: (low/med) LOW

Time Analyzed: 20:41

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBF091324	SSTDICV040	BF139353.D	09/13/2024
SP6630	SP6630	BF139355.D	09/13/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163259BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF091324

SAS No.: BF091324 SDG NO.: BF091324

Lab File ID: BF139354.D

Lab Sample ID: PB163259BL

Instrument ID: BNA_F

Date Extracted: 09/10/2024

Matrix: (soil/water) water

Date Analyzed: 09/13/2024

Level: (low/med) LOW

Time Analyzed: 21:09

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

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

COMMENTS:

Surrogate Summary

SW-846

SDG No.: **BF091324**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SP6630	SP6630	BF139355.D	2-Fluorophenol	150	0.00	0	*	10	139
			Phenol-d6	150	0.00	0	*	10	134
			Nitrobenzene-d5	100	0.00	0	*	49	133
			2-Fluorobiphenyl	100	0.00	0	*	52	132
			2,4,6-Tribromophenol	150	0.00	0	*	44	137
			Terphenyl-d14	100	0.00	0	*	48	125
SSTDICV040	ICVBF091324	BF139353.D	2-Fluorophenol	150	80,470.00	53647	*	10	139
			Phenol-d6	150	81,152.00	54101	*	10	134
			Nitrobenzene-d5	100	84,223.00	84223	*	49	133
			2-Fluorobiphenyl	100	82,154.00	82154	*	52	132
			2,4,6-Tribromophenol	150	83,413.00	55609	*	44	137
			Terphenyl-d14	100	87,992.00	87992	*	48	125

Surrogate Summary

SW-846

SDG No.: BF091324

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB163259BL	PB163259BL	BF139354.D	2-Fluorophenol	150	133.84	89		10	139
			Phenol-d6	150	132.81	89		10	134
			Nitrobenzene-d5	100	90.77	91		49	133
			2-Fluorobiphenyl	100	91.67	92		52	132
			2,4,6-Tribromophenol	150	133.43	89		44	137
			Terphenyl-d14	100	93.31	93		48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF091324

Lab Code: CHEM

SAS No.: BF091324

SDG NO.: BF091324

Lab File ID: BF139344.D

DFTPP Injection Date: 09/13/2024

Instrument ID: BNA_F

DFTPP Injection Time: 14:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	51.4
68	Less than 2.0% of mass 69	0.8 (1.8) 1
69	Mass 69 relative abundance	43.9
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	50.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	27.8
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	12.9
442	Greater than 50% of mass 198	81.4
443	15.0 - 24.0% of mass 442	16.5 (20.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF139345.D	09/13/2024	14:32
SSTDICC005	SSTDICC005	BF139346.D	09/13/2024	15:00
SSTDICC010	SSTDICC010	BF139347.D	09/13/2024	15:28
SSTDICC020	SSTDICC020	BF139348.D	09/13/2024	15:57
SSTDICCC040	SSTDICCC040	BF139349.D	09/13/2024	16:53
SSTDICC050	SSTDICC050	BF139350.D	09/13/2024	17:51
SSTDICC060	SSTDICC060	BF139351.D	09/13/2024	18:48
SSTDICC080	SSTDICC080	BF139352.D	09/13/2024	19:44
ICVBF091324	SSTDICV040	BF139353.D	09/13/2024	20:41
PB163259BL	PB163259BL	BF139354.D	09/13/2024	21:09
SP6630	SP6630	BF139355.D	09/13/2024	21:38