

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF122624 SAS No.: BF122624 SDG No.: BF122624

Instrument ID: BNA_F Calibration Date/Time: 12/26/2024 : 18:06

Lab File ID: BF140974.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	0.744	0.745		0.134	
Pyridine	1.468	1.437		-2.112	
2-Fluorophenol	1.327	1.293		-2.562	
Benzaldehyde	0.941	0.861		-8.502	
Aniline	1.524	1.615		5.971	
Phenol-d6	1.709	1.667		-2.458	
Phenol	1.767	1.744		-1.302	20.0
bis(2-Chloroethyl) ether	1.427	1.363		-4.485	
2-Chlorophenol	1.399	1.386		-0.929	
1,2-Dichlorobenzene	1.451	1.416		-2.412	
1,3-Dichlorobenzene	1.544	1.516		-1.813	
1,4-Dichlorobenzene	1.556	1.517		-2.506	20.0
Benzyl Alcohol	1.228	1.226		-0.163	
2-Methylphenol	1.162	1.151		-0.947	
2,2-oxybis(1-Chloropropane)	2.158	2.112		-2.132	
Acetophenone	0.491	0.470		-4.277	
3+4-Methylphenols	1.471	1.452		-1.292	
n-Nitroso-di-n-propylamine	1.047	1.008	0.050	-3.725	
Nitrobenzene-d5	0.313	0.327		4.473	
Hexachloroethane	0.553	0.544		-1.627	
Nitrobenzene	0.349	0.367		5.158	
Isophorone	0.680	0.657		-3.382	
2-Nitrophenol	0.118	0.127		7.627	20.0
2,4-Dimethylphenol	0.249	0.241		-3.213	
bis(2-Chloroethoxy) methane	0.431	0.415		-3.712	
2,4-Dichlorophenol	0.282	0.278		-1.418	20.0
1,2,4-Trichlorobenzene	0.319	0.312		-2.194	
Benzoic acid	0.178	0.178		0.0	
Naphthalene	1.054	1.020		-3.226	
4-Chloroaniline	0.381	0.367		-3.675	
Hexachlorobutadiene	0.188	0.182		-3.191	20.0
Caprolactam	0.096	0.094		-2.083	
4-Chloro-3-methylphenol	0.313	0.309		-1.278	20.0
2-Methylnaphthalene	0.674	0.642		-4.748	
Hexachlorocyclopentadiene	0.182	0.187	0.050	2.747	
2,4,6-Trichlorophenol	0.366	0.364		-0.546	20.0
2-Fluorobiphenyl	1.255	1.175		-6.375	
2,4,5-Trichlorophenol	0.375	0.380		1.333	
1,1-Biphenyl	1.531	1.479		-3.396	

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Lab File ID: BF140974.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	1.188	1.140		-4.04	
2-Nitroaniline	0.259	0.288		11.197	
Dimethylphthalate	1.316	1.285		-2.356	
Acenaphthylene	1.710	1.654		-3.275	
2,6-Dinitrotoluene	0.231	0.256		10.823	
3-Nitroaniline	0.255	0.281		10.196	
Acenaphthene	1.156	1.119		-3.201	20.0
2,4-Dinitrophenol	0.075	0.072	0.050	-4.0	
4-Nitrophenol	0.225	0.229	0.050	1.778	
Dibenzofuran	1.624	1.565		-3.633	
2,4-Dinitrotoluene	0.273	0.310		13.553	
Diethylphthalate	1.299	1.266		-2.54	
4-Chlorophenyl-phenylether	0.606	0.579		-4.455	
Fluorene	1.260	1.192		-5.397	
4-Nitroaniline	0.255	0.278		9.02	
4,6-Dinitro-2-methylphenol	0.067	0.066		-1.493	
n-Nitrosodiphenylamine	0.630	0.605		-3.968	20.0
Azobenzene	1.363	1.319		-3.228	
2,4,6-Tribromophenol	0.194	0.196		1.031	
4-Bromophenyl-phenylether	0.216	0.213		-1.389	
Hexachlorobenzene	0.238	0.232		-2.521	
Atrazine	0.176	0.156		-11.364	
Pentachlorophenol	0.148	0.155		4.73	20.0
Phenanthrene	1.053	1.005		-4.558	
Anthracene	1.031	0.991		-3.88	
Carbazole	0.992	0.947		-4.536	
Di-n-butylphthalate	1.128	1.083		-3.989	
Fluoranthene	1.142	1.091		-4.466	20.0
Benzidine	0.423	0.415		-1.891	
Pyrene	1.749	1.692		-3.259	
Terphenyl-d14	1.204	1.141		-5.233	
Butylbenzylphthalate	0.639	0.656		2.66	
3,3-Dichlorobenzidine	0.419	0.403		-3.819	
Benzo(a)anthracene	1.394	1.369		-1.793	
Chrysene	1.257	1.208		-3.898	
Bis(2-ethylhexyl)phthalate	0.828	0.820		-0.966	
Di-n-octyl phthalate	1.199	1.199		0.0	20.0
Benzo(b)fluoranthene	1.395	1.417		1.577	
Benzo(k)fluoranthene	1.093	1.065		-2.562	

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF122624 SAS No.: BF122624 SDG No.: BF122624

Instrument ID: BNA_F Calibration Date/Time: 12/26/2024 : 18:06

Lab File ID: BF140974.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	1.083	1.069		-1.293	20.0
Indeno(1,2,3-cd)pyrene	1.260	1.311		4.048	
Dibenzo(a,h)anthracene	1.021	1.070		4.799	
Benzo(g,h,i)perylene	1.059	1.126		6.327	
1,2,4,5-Tetrachlorobenzene	0.550	0.535		-2.727	
1,4-Dioxane	0.601	0.597		-0.666	20.0
2,3,4,6-Tetrachlorophenol	0.310	0.314		1.29	
1-Methylnaphthalene	0.663	0.635		-4.223	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF122624			SDG No.:	BF122624		
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
BF140978.D	1		12/26/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	39100		1000	8000	10000	ug/L
110-86-1	Pyridine	39200		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	42300		4000	8000	10000	ug/L
62-53-3	Aniline	40200		1600	4000	5000	ug/L
108-95-2	Phenol	46700		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	39400		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	45400		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	38800		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	38900		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	40600		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	39800		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	39600		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38300		1400	4000	5000	ug/L
98-86-2	Acetophenone	37900		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	39300		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40800		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	40000		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	44100		1300	4000	5000	ug/L
78-59-1	Isophorone	38500		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	43200		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	39900		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	38300		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	40300		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	41200		1100	4000	5000	ug/L
65-85-0	Benzoic acid	43200		5500	8000	10000	ug/L
91-20-3	Naphthalene	38500		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	39200		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	39100		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF122624			SDG No.:	BF122624		
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
BF140978.D	1		12/26/2024 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	42700		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	38300		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	40600		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	40200		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	40700		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	37900		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	38400		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	43200		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	38400		930	4000	5000	ug/L
208-96-8	Acenaphthylene	38300		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	42400		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	42500		1400	4000	5000	ug/L
83-32-9	Acenaphthene	40200		810	4000	5000	ug/L
Total PAH	Total PAH	639700		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	45500		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	48600		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	38300		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	44500		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	86900		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	38600		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	37900		980	4000	5000	ug/L
86-73-7	Fluorene	37700		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	41600		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	43300		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	38800		890	4000	5000	ug/L
103-33-3	Azobenzene	38500		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	39200		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	38900		1100	4000	5000	ug/L
1912-24-9	Atrazine	35900		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF122624			SDG No.:	BF122624		
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
BF140978.D	1		12/26/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	45900		1900	8000	10000	ug/L
85-01-8	Phenanthrene	38400		890	4000	5000	ug/L
120-12-7	Anthracene	38300		1100	4000	5000	ug/L
86-74-8	Carbazole	38100		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	38700		1500	4000	5000	ug/L
206-44-0	Fluoranthene	37700		1300	4000	5000	ug/L
92-87-5	Benzidine	40100		4100	8000	10000	ug/L
129-00-0	Pyrene	43600		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	43700		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	35800		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	37900		940	4000	5000	ug/L
218-01-9	Chrysene	39700		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	40700		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	39300		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	36100		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	40600		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	38500		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	44300		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	44800		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	45100		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	38500		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	41700		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	38000		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	77230	*	10-139		51487	SPK: -150
13127-88-3	Phenol-d6	77619	*	10-134		51746	SPK: -150
4165-60-0	Nitrobenzene-d5	91412	*	49-133		91412	SPK: -100
321-60-8	2-Fluorobiphenyl	74821	*	52-132		74821	SPK: -100

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF122624			SDG No.:	BF122624		
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
BF140978.D	1		12/26/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	82713	*	44-137		55142	SPK: -150
1718-51-0	Terphenyl-d14	83347	*	48-125		83347	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	278910	6.828				
1146-65-2	Naphthalene-d8	1096814	8.11				
15067-26-2	Acenaphthene-d10	586665	9.863				
1517-22-2	Phenanthrene-d10	1025959	11.345				
1719-03-5	Chrysene-d12	614249	13.986				
1520-96-3	Perylene-d12	543067	15.439				

Report of Analysis

Client:		Date Collected:	12/11/2024 12:00:00 AM
Project:		Date Received:	12/11/2024 12:00:00 AM
Client Sample ID:	PB165543BL	SDG No.:	BF122624
Lab Sample ID:	PB165543BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140979.D	1	12/11/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165543

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

Report of Analysis

Client:		Date Collected:	12/11/2024 12:00:00 AM
Project:		Date Received:	12/11/2024 12:00:00 AM
Client Sample ID:	PB165543BL	SDG No.:	BF122624
Lab Sample ID:	PB165543BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140979.D	1	12/11/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.7	U	86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.3	U	71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.9	U	73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	86.4	U	86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	130	170	ug/Kg
83-32-9	Acenaphthene	81	U	81	130	170	ug/Kg
Total PAH	Total PAH	1323.5	U	1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.2	U	169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	80	U	80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	130	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	130	170	ug/Kg
103-33-3	Azobenzene	79.5	U	79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	130	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/11/2024 12:00:00 AM
Project:		Date Received:	12/11/2024 12:00:00 AM
Client Sample ID:	PB165543BL	SDG No.:	BF122624
Lab Sample ID:	PB165543BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140979.D	1	12/11/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	127.358		18-112		85	SPK: -150
13127-88-3	Phenol-d6	124.478		15-107		83	SPK: -150
4165-60-0	Nitrobenzene-d5	105.775		18-107		106	SPK: -100
321-60-8	2-Fluorobiphenyl	85.826		20-109		86	SPK: -100

Report of Analysis

Client:		Date Collected:	12/11/2024 12:00:00 AM
Project:		Date Received:	12/11/2024 12:00:00 AM
Client Sample ID:	PB165543BL	SDG No.:	BF122624
Lab Sample ID:	PB165543BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140979.D	1	12/11/2024 12:00:00 AM	12/26/2024 12:00:00 AM	PB165543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	141.813		10-116		95	SPK: -150
1718-51-0	Terphenyl-d14	76.878		10-105		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	273720	6.828				
1146-65-2	Naphthalene-d8	1094098	8.104				
15067-26-2	Acenaphthene-d10	596526	9.857				
1517-22-2	Phenanthrene-d10	1055382	11.345				
1719-03-5	Chrysene-d12	834237	13.98				
1520-96-3	Perylene-d12	751958	15.439				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	190	J			2.169	
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	100	J			16.939	

Hit Summary Sheet SW-846

SDG No.: BF122624

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : ICVBF122624								
SSTDICV040	ICVBF122624	Water	1,1-Biphenyl	37,900.000		910	5000	ug/L
SSTDICV040	ICVBF122624	Water	1,2,4,5-Tetrachlorobenzene	38,500.000		1100	5000	ug/L
SSTDICV040	ICVBF122624	Water	1,2,4-Trichlorobenzene	41,200.000		1100	5000	ug/L
SSTDICV040	ICVBF122624	Water	1,2-Dichlorobenzene	38,800.000		880	5000	ug/L
SSTDICV040	ICVBF122624	Water	1,3-Dichlorobenzene	38,900.000		800	5000	ug/L
SSTDICV040	ICVBF122624	Water	1,4-Dichlorobenzene	40,600.000		840	5000	ug/L
SSTDICV040	ICVBF122624	Water	1,4-Dioxane	39,100.000		1300	5000	ug/L
SSTDICV040	ICVBF122624	Water	1-Methylnaphthalene	38,000.000		860	5000	ug/L
SSTDICV040	ICVBF122624	Water	2,2-oxybis(1-Chloropropane)	38,300.000		1400	5000	ug/L
SSTDICV040	ICVBF122624	Water	2,3,4,6-Tetrachlorophenol	41,700.000		790	5000	ug/L
SSTDICV040	ICVBF122624	Water	2,4,5-Trichlorophenol	40,700.000		1000	5000	ug/L
SSTDICV040	ICVBF122624	Water	2,4,6-Trichlorophenol	40,200.000		890	5000	ug/L
SSTDICV040	ICVBF122624	Water	2,4-Dichlorophenol	40,300.000		880	5000	ug/L
SSTDICV040	ICVBF122624	Water	2,4-Dimethylphenol	39,900.000		1500	5000	ug/L
SSTDICV040	ICVBF122624	Water	2,4-Dinitrophenol	45,500.000		6400	10000	ug/L
SSTDICV040	ICVBF122624	Water	2,4-Dinitrotoluene	44,500.000		1500	5000	ug/L
SSTDICV040	ICVBF122624	Water	2,6-Dinitrotoluene	42,400.000		1200	5000	ug/L
SSTDICV040	ICVBF122624	Water	2-Chloronaphthalene	38,400.000		970	5000	ug/L
SSTDICV040	ICVBF122624	Water	2-Chlorophenol	45,400.000		710	5000	ug/L
SSTDICV040	ICVBF122624	Water	2-Methylnaphthalene	38,300.000		1100	5000	ug/L
SSTDICV040	ICVBF122624	Water	2-Methylphenol	39,600.000		1100	5000	ug/L
SSTDICV040	ICVBF122624	Water	2-Nitroaniline	43,200.000		1400	5000	ug/L
SSTDICV040	ICVBF122624	Water	2-Nitrophenol	43,200.000		2000	5000	ug/L
SSTDICV040	ICVBF122624	Water	3+4-Methylphenols	39,300.000		1200	10000	ug/L
SSTDICV040	ICVBF122624	Water	3,3-Dichlorobenzidine	35,800.000		1300	10000	ug/L
SSTDICV040	ICVBF122624	Water	3-Nitroaniline	42,500.000		1400	5000	ug/L
SSTDICV040	ICVBF122624	Water	4,6-Dinitro-2-methylphenol	43,300.000		3100	10000	ug/L
SSTDICV040	ICVBF122624	Water	4-Bromophenyl-phenylether	39,200.000		950	5000	ug/L
SSTDICV040	ICVBF122624	Water	4-Chloro-3-methylphenol	42,700.000		840	5000	ug/L
SSTDICV040	ICVBF122624	Water	4-Chloroaniline	39,200.000		1300	5000	ug/L
SSTDICV040	ICVBF122624	Water	4-Chlorophenyl-phenylether	37,900.000		980	5000	ug/L
SSTDICV040	ICVBF122624	Water	4-Nitroaniline	41,600.000		2000	5000	ug/L
SSTDICV040	ICVBF122624	Water	4-Nitrophenol	48,600.000		2000	10000	ug/L
SSTDICV040	ICVBF122624	Water	Acenaphthene	40,200.000		810	5000	ug/L
SSTDICV040	ICVBF122624	Water	Acenaphthylene	38,300.000		1000	5000	ug/L
SSTDICV040	ICVBF122624	Water	Acetophenone	37,900.000		1100	5000	ug/L
SSTDICV040	ICVBF122624	Water	Aniline	40,200.000		1600	5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BF122624

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF122624	Water	Anthracene	38,300.000		1100	5000	ug/L
SSTDICV040	ICVBF122624	Water	Atrazine	35,900.000		1300	5000	ug/L
SSTDICV040	ICVBF122624	Water	Azobenzene	38,500.000		1200	5000	ug/L
SSTDICV040	ICVBF122624	Water	Benzaldehyde	42,300.000		4000	10000	ug/L
SSTDICV040	ICVBF122624	Water	Benzidine	40,100.000		4100	10000	ug/L
SSTDICV040	ICVBF122624	Water	Benzo(a)anthracene	37,900.000		940	5000	ug/L
SSTDICV040	ICVBF122624	Water	Benzo(a)pyrene	38,500.000		1700	5000	ug/L
SSTDICV040	ICVBF122624	Water	Benzo(b)fluoranthene	36,100.000		1100	5000	ug/L
SSTDICV040	ICVBF122624	Water	Benzo(g,h,i)perylene	45,100.000		1200	5000	ug/L
SSTDICV040	ICVBF122624	Water	Benzo(k)fluoranthene	40,600.000		1200	5000	ug/L
SSTDICV040	ICVBF122624	Water	Benzoic acid	43,200.000		5500	10000	ug/L
SSTDICV040	ICVBF122624	Water	Benzyl Alcohol	39,800.000		1600	10000	ug/L
SSTDICV040	ICVBF122624	Water	bis(2-Chloroethoxy)methane	38,300.000		1000	5000	ug/L
SSTDICV040	ICVBF122624	Water	bis(2-Chloroethyl)ether	39,400.000		1200	5000	ug/L
SSTDICV040	ICVBF122624	Water	Bis(2-ethylhexyl)phthalate	40,700.000		1900	5000	ug/L
SSTDICV040	ICVBF122624	Water	Butylbenzylphthalate	43,700.000		2100	5000	ug/L
SSTDICV040	ICVBF122624	Water	Caprolactam	40,100.000		1700	10000	ug/L
SSTDICV040	ICVBF122624	Water	Carbazole	38,100.000		1200	5000	ug/L
SSTDICV040	ICVBF122624	Water	Chrysene	39,700.000		860	5000	ug/L
SSTDICV040	ICVBF122624	Water	Di-n-butylphthalate	38,700.000		1500	5000	ug/L
SSTDICV040	ICVBF122624	Water	Di-n-octyl phthalate	39,300.000		2500	10000	ug/L
SSTDICV040	ICVBF122624	Water	Dibenzo(a,h)anthracene	44,800.000		1200	5000	ug/L
SSTDICV040	ICVBF122624	Water	Dibenzofuran	38,300.000		930	5000	ug/L
SSTDICV040	ICVBF122624	Water	Diethylphthalate	38,600.000		1000	5000	ug/L
SSTDICV040	ICVBF122624	Water	Dimethylphthalate	38,400.000		930	5000	ug/L
SSTDICV040	ICVBF122624	Water	Fluoranthene	37,700.000		1300	5000	ug/L
SSTDICV040	ICVBF122624	Water	Fluorene	37,700.000		960	5000	ug/L
SSTDICV040	ICVBF122624	Water	Hexachlorobenzene	38,900.000		1100	5000	ug/L
SSTDICV040	ICVBF122624	Water	Hexachlorobutadiene	39,100.000		1300	5000	ug/L
SSTDICV040	ICVBF122624	Water	Hexachlorocyclopentadiene	40,600.000		5000	10000	ug/L
SSTDICV040	ICVBF122624	Water	Hexachloroethane	40,000.000		1000	5000	ug/L
SSTDICV040	ICVBF122624	Water	Indeno(1,2,3-cd)pyrene	44,300.000		1000	5000	ug/L
SSTDICV040	ICVBF122624	Water	Isophorone	38,500.000		1100	5000	ug/L
SSTDICV040	ICVBF122624	Water	n-Nitroso-di-n-propylamine	40,800.000		1500	2500	ug/L
SSTDICV040	ICVBF122624	Water	n-Nitrosodimethylamine	39,100.000		1000	10000	ug/L
SSTDICV040	ICVBF122624	Water	n-Nitrosodiphenylamine	38,800.000		890	5000	ug/L
SSTDICV040	ICVBF122624	Water	Naphthalene	38,500.000		1000	5000	ug/L
SSTDICV040	ICVBF122624	Water	Nitrobenzene	44,100.000		1300	5000	ug/L
SSTDICV040	ICVBF122624	Water	Pentachlorophenol	45,900.000		1900	10000	ug/L
SSTDICV040	ICVBF122624	Water	Phenanthrene	38,400.000		890	5000	ug/L

Hit Summary Sheet
SW-846

SDG No.: BF122624

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF122624	Water	Phenol	46,700.000		930	5000	ug/L
SSTDICV040	ICVBF122624	Water	Pyrene	43,600.000		1100	5000	ug/L
SSTDICV040	ICVBF122624	Water	Pyridine	39,200.000		1600	5000	ug/L
SSTDICV040	ICVBF122624	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	86,900.000		2700	10000	ug/L
SSTDICV040	ICVBF122624	Water	Total PAH	639,700.000		17360	80000	ug/L
Total Svoc :				3,954,200.00				
Total Concentration:				3,954,200.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM

Case No.: BF122624

SAS No.: BF122624

SDG No.: BF122624

Instrument ID: _____

Calibration Date(s): 12/26/2024

Calibration Time(s): 16:23

LAB FILE ID:		RRF2.5 = BF140970.D			RRF005 = BF140971.D		RRF010 = BF140972.D	
		RRF020 = BF140973.D			RRF040 = BF140974.D		RRF050 = BF140975.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.755	0.738	0.778	0.745	0.742	0.744	2.9
Pyridine		1.621	1.563	1.581	1.437	1.394	1.468	8.2
2-Fluorophenol		1.502	1.422	1.423	1.293	1.258	1.327	9.4
Benzaldehyde			1.193	1.089	0.861	0.792	0.941	20.2
Aniline		1.709	1.702	1.732	1.615	1.480	1.524	15.3
Phenol-d6		1.910	1.839	1.811	1.667	1.625	1.709	8.6
Phenol		1.956	1.880	1.866	1.744	1.683	1.767	8.0
bis(2-Chloroethyl)ether		1.543	1.479	1.449	1.363	1.416	1.427	4.8
2-Chlorophenol		1.556	1.484	1.483	1.386	1.337	1.399	8.2
1,2-Dichlorobenzene		1.660	1.589	1.562	1.416	1.366	1.451	10.7
1,3-Dichlorobenzene		1.736	1.665	1.649	1.516	1.462	1.544	9.2
1,4-Dichlorobenzene		1.749	1.690	1.662	1.517	1.477	1.556	9.3
Benzyl Alcohol		1.333	1.275	1.298	1.226	1.199	1.228	6.6
2-Methylphenol		1.250	1.208	1.226	1.151	1.125	1.162	5.8
2,2-oxybis(1-Chloropropane)		2.420	2.317	2.313	2.112	2.048	2.158	9.0
Acetophenone		0.575	0.535	0.521	0.470	0.459	0.491	11.0
3+4-Methylphenols		1.644	1.624	1.598	1.452	1.387	1.471	10.6
n-Nitroso-di-n-propylamine	1.133	1.140	1.127	1.079	1.008	0.988	1.047	8.0
Nitrobenzene-d5		0.244	0.277	0.321	0.327	0.338	0.313	12.2
Hexachloroethane		0.587	0.573	0.584	0.544	0.538	0.553	5.3
Nitrobenzene		0.288	0.319	0.364	0.367	0.371	0.349	9.5
Isophorone		0.744	0.706	0.714	0.657	0.654	0.680	6.1
2-Nitrophenol		0.067	0.080	0.107	0.127	0.142	0.118	29.3
2,4-Dimethylphenol		0.268	0.255	0.260	0.241	0.241	0.249	5.2
bis(2-Chloroethoxy)methane		0.477	0.462	0.462	0.415	0.412	0.431	8.3
2,4-Dichlorophenol		0.286	0.289	0.295	0.278	0.281	0.282	3.4
1,2,4-Trichlorobenzene		0.354	0.335	0.337	0.312	0.304	0.319	7.4
Benzoic acid			0.099	0.152	0.178	0.198	0.178	26.6
Naphthalene		1.209	1.154	1.142	1.020	0.989	1.054	11.0
4-Chloroaniline		0.414	0.398	0.404	0.367	0.368	0.381	6.2
Hexachlorobutadiene		0.208	0.199	0.196	0.182	0.181	0.188	7.1
Caprolactam		0.098	0.095	0.100	0.094	0.094	0.096	2.4
4-Chloro-3-methylphenol		0.330	0.320	0.327	0.309	0.304	0.313	4.2
2-Methylnaphthalene		0.772	0.740	0.732	0.642	0.629	0.674	10.8
Hexachlorocyclopentadiene		0.165	0.176	0.189	0.187	0.189	0.182	5.0
2,4,6-Trichlorophenol		0.354	0.356	0.398	0.364	0.356	0.366	4.6

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.: BF122624 SAS No.: BF122624 SDG No.: BF122624
Instrument ID: _____ Calibration Date(s): 12/26/2024
Calibration Time(s): 16:23

LAB FILE ID:		RRF2.5 = BF140970.D		RRF005 = BF140971.D		RRF010 = BF140972.D		
		RRF020 = BF140973.D		RRF040 = BF140974.D		RRF050 = BF140975.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.546	1.452	1.378	1.175	1.129	1.255	16.1
2,4,5-Trichlorophenol		0.371	0.389	0.377	0.380	0.386	0.375	3.2
1,1-Biphenyl		1.776	1.696	1.651	1.479	1.421	1.531	11.6
2-Chloronaphthalene		1.362	1.293	1.270	1.140	1.115	1.188	10.2
2-Nitroaniline		0.139	0.182	0.248	0.288	0.306	0.259	28.5
Dimethylphthalate		1.438	1.414	1.389	1.285	1.246	1.316	7.4
Acenaphthylene		1.934	1.869	1.824	1.654	1.619	1.710	9.8
2,6-Dinitrotoluene		0.128	0.173	0.233	0.256	0.269	0.231	25.2
3-Nitroaniline		0.153	0.197	0.260	0.281	0.289	0.255	22.6
Acenaphthene		1.289	1.240	1.229	1.119	1.096	1.156	8.4
2,4-Dinitrophenol			0.037	0.053	0.072	0.086	0.075	35.0
4-Nitrophenol			0.166	0.213	0.229	0.237	0.225	14.4
Dibenzofuran		1.857	1.780	1.743	1.565	1.523	1.624	10.5
2,4-Dinitrotoluene		0.136	0.187	0.265	0.310	0.326	0.273	30.1
Diethylphthalate		1.433	1.386	1.369	1.266	1.230	1.299	7.5
4-Chlorophenyl-phenylether		0.700	0.673	0.653	0.579	0.560	0.606	11.3
Fluorene		1.497	1.432	1.351	1.192	1.146	1.260	13.2
4-Nitroaniline		0.156	0.203	0.257	0.278	0.290	0.255	21.7
4,6-Dinitro-2-methylphenol			0.033	0.051	0.066	0.078	0.067	32.7
n-Nitrosodiphenylamine		0.712	0.675	0.668	0.605	0.594	0.630	8.8
Azobenzene		1.502	1.465	1.448	1.319	1.295	1.363	7.8
2,4,6-Tribromophenol		0.177	0.189	0.203	0.196	0.198	0.194	4.6
4-Bromophenyl-phenylether		0.235	0.229	0.228	0.213	0.212	0.216	7.0
Hexachlorobenzene		0.261	0.247	0.249	0.232	0.231	0.238	6.0
Atrazine		0.218	0.205	0.189	0.156	0.147	0.176	18.5
Pentachlorophenol		0.122	0.137	0.154	0.155	0.156	0.148	9.4
Phenanthrene		1.221	1.168	1.129	1.005	0.982	1.053	11.3
Anthracene		1.187	1.136	1.113	0.991	0.963	1.031	11.0
Carbazole		1.138	1.093	1.076	0.947	0.923	0.992	11.0
Di-n-butylphthalate		1.248	1.238	1.237	1.083	1.054	1.128	9.7
Fluoranthene		1.333	1.274	1.242	1.091	1.050	1.142	12.3
Benzidine		0.422	0.333	0.437	0.415	0.438	0.423	12.6
Pyrene		1.754	1.670	1.701	1.692	1.783	1.749	3.6
Terphenyl-d14		1.275	1.181	1.188	1.141	1.194	1.204	3.6
Butylbenzylphthalate		0.532	0.571	0.640	0.656	0.684	0.639	10.1
3,3-Dichlorobenzidine		0.474	0.455	0.455	0.403	0.382	0.419	9.8

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.: BF122624 SAS No.: BF122624 SDG No.: BF122624
Instrument ID: _____ Calibration Date(s): 12/26/2024
Calibration Time(s): 16:23

LAB FILE ID:		RRF2.5 = BF140970.D			RRF005 = BF140971.D		RRF010 = BF140972.D	
		RRF020 = BF140973.D			RRF040 = BF140974.D		RRF050 = BF140975.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.573	1.452	1.437	1.369	1.340	1.394	7.4
Chrysene		1.341	1.330	1.327	1.208	1.194	1.257	5.7
Bis(2-ethylhexyl)phthalate		0.822	0.842	0.859	0.820	0.827	0.828	2.5
Di-n-octyl phthalate		1.157	1.231	1.253	1.199	1.170	1.199	2.8
Benzo(b)fluoranthene		1.360	1.564	1.479	1.417	1.306	1.395	7.2
Benzo(k)fluoranthene		1.165	1.121	1.301	1.065	1.073	1.093	11.2
Benzo(a)pyrene		1.146	1.108	1.137	1.069	1.047	1.083	4.6
Indeno(1,2,3-cd)pyrene		1.050	1.009	1.224	1.311	1.397	1.260	13.7
Dibenzo(a,h)anthracene		0.847	0.829	0.992	1.070	1.127	1.021	13.4
Benzo(g,h,i)perylene		0.825	0.811	1.023	1.126	1.194	1.059	16.9
1,2,4,5-Tetrachlorobenzene		0.602	0.586	0.586	0.535	0.527	0.550	7.5
1,4-Dioxane		0.630	0.621	0.624	0.597	0.587	0.601	4.3
2,3,4,6-Tetrachlorophenol		0.303	0.303	0.327	0.314	0.307	0.310	3.0
1-Methylnaphthalene		0.767	0.722	0.710	0.635	0.618	0.663	10.7

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.: BF122624 SAS No.: BF122624 SDG NO.: BF122624

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 26 2024 12:00AM

Lab File ID: BF140974.D Time Analyzed: 19:52

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	264114	6.828	1.04702e+01	8.11	555398	9.86
UPPER LIMIT	528228	7.328	2094040	8.61	1110796	10.363
LOWER LIMIT	132057	6.328	523510	7.61	277699	9.363
EPA SAMPLE NO.						
01 ICVBF122624	278910	6.83	1.09681e	8.11	586665	9.86
02 PB165543BL	273720	6.83	1.0941e+	8.10	596526	9.86

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.: BF122624 SAS No.: BF122624 SDG NO.: BF122624

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 26 2024 12:00AM

Lab File ID: BF140974.D Time Analyzed: 19:52

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	264114	6.828	1.04702e+01	8.11	555398	9.86
UPPER LIMIT	528228	7.328	2094040	8.61	1110796	10.363
LOWER LIMIT	132057	6.328	523510	7.61	277699	9.363
EPA SAMPLE NO.						
01 ICVBF122624	278910	6.83	1.09681e	8.11	586665	9.86
02 PB165543BL	273720	6.83	1.0941e+	8.10	596526	9.86

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.: BF122624 SAS No.: BF122624 SDG NO.: BF122624

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 26 2024 12:00AM

Lab File ID: BF140974.D Time Analyzed: 19:52

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	980435	11.345	652144	13.986	531798	15.445
UPPER LIMIT	1960870	11.845	1304288	14.486	1063596	15.945
LOWER LIMIT	490217.5	10.845	326072	13.486	265899	14.945
EPA SAMPLE NO.						
01 ICVBF122624	1.02596	11.35	614249	13.99	543067	15.44
02 PB165543BL	1.05538	11.35	834237	13.98	751958	15.44

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.: BF122624 SAS No.: BF122624 SDG NO.: BF122624

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 26 2024 12:00AM

Lab File ID: BF140974.D Time Analyzed: 19:52

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	980435	11.345	652144	13.986	531798	15.445
UPPER LIMIT	1960870	11.845	1304288	14.486	1063596	15.945
LOWER LIMIT	490217.5	10.845	326072	13.486	265899	14.945
EPA SAMPLE NO.						
01 ICVBF122624	1.02596	11.35	614249	13.99	543067	15.44
02 PB165543BL	1.05538	11.35	834237	13.98	751958	15.44

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.

ICVBF122624

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122624

SAS No.: BF122624 SDG NO.: BF122624

Lab File ID: BF140978.D

Lab Sample ID: SSTDICV040

Instrument ID: BNA_F

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 12/26/2024

Level: (low/med) LOW

Time Analyzed: 19:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBF122624	SSTDICV040	BF140978.D	12/26/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165543BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122624

SAS No.: BF122624 SDG NO.: BF122624

Lab File ID: BF140979.D

Lab Sample ID: PB165543BL

Instrument ID: BNA_F

Date Extracted: 12/11/2024

Matrix: (soil/water) Solid

Date Analyzed: 12/26/2024

Level: (low/med) LOW

Time Analyzed: 20:18

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.: BF122624

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV040	ICVBF122624	BF140978.D	2-Fluorophenol	150	77,230.00	51487	*	10	139
			Phenol-d6	150	77,619.00	51746	*	10	134
			Nitrobenzene-d5	100	91,412.00	91412	*	49	133
			2-Fluorobiphenyl	100	74,821.00	74821	*	52	132
			2,4,6-Tribromophenol	150	82,713.00	55142	*	44	137
			Terphenyl-d14	100	83,347.00	83347	*	48	125

Surrogate Summary

SW-846

SDG No.: BF122624

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165543BL	PB165543BL	BF140979.D	2-Fluorophenol	150	127.36	85		18	112
			Phenol-d6	150	124.48	83		15	107
			Nitrobenzene-d5	100	105.78	106		18	107
			2-Fluorobiphenyl	100	85.83	86		20	109
			2,4,6-Tribromophenol	150	141.81	95		10	116
			Terphenyl-d14	100	76.88	77		10	105

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF122624

Lab Code: CHEM

SAS No.: BF122624

SDG NO.: BF122624

Lab File ID: BF140969.D

DFTPP Injection Date: 12/26/2024

Instrument ID: BNA_F

DFTPP Injection Time: 15:57

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.4
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	47.8
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	6.6
275	10.0 - 60.0% of mass 198	27.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14.3
442	Greater than 50% of mass 198	90.5
443	15.0 - 24.0% of mass 442	17.8 (19.7) 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	BF140970.D	12/26/2024	16:23
SSTDICC005	SSTDICC005	BF140971.D	12/26/2024	16:49
SSTDICC010	SSTDICC010	BF140972.D	12/26/2024	17:15
SSTDICC020	SSTDICC020	BF140973.D	12/26/2024	17:41
SSTDICCC040	SSTDICCC040	BF140974.D	12/26/2024	18:06
SSTDICC050	SSTDICC050	BF140975.D	12/26/2024	18:33
SSTDICC060	SSTDICC060	BF140976.D	12/26/2024	18:59
SSTDICC080	SSTDICC080	BF140977.D	12/26/2024	19:25
ICVBF122624	SSTDICV040	BF140978.D	12/26/2024	19:52
PB165543BL	PB165543BL	BF140979.D	12/26/2024	20:18