

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF073024 SAS No.: BF073024 SDG No.: BF073024

Instrument ID: BNA_F Calibration Date/Time: 7/30/2024 1:14:56

Lab File ID: BF138684.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	0.818	0.814		-0.489	
Pyridine	1.374	1.381		0.509	
2-Fluorophenol	1.296	1.274		-1.698	
Benzaldehyde	1.043	0.904		-13.327	
Aniline	1.551	1.532		-1.225	
Phenol-d6	1.740	1.681		-3.391	
Phenol	1.832	1.775		-3.058	20.0
bis(2-Chloroethyl)ether	1.409	1.363		-3.265	
2-Chlorophenol	1.363	1.325		-2.788	
1,2-Dichlorobenzene	1.439	1.408		-2.154	
1,3-Dichlorobenzene	1.526	1.475		-3.342	
1,4-Dichlorobenzene	1.540	1.496		-2.857	20.0
Benzyl Alcohol	1.254	1.218		-2.871	
2-Methylphenol	1.126	1.103		-2.043	
2,2-oxybis(1-Chloropropane)	2.426	2.350		-3.133	
Acetophenone	0.490	0.482		-1.633	
3+4-Methylphenols	1.444	1.367		-5.332	
n-Nitroso-di-n-propylamine	1.051	0.992	0.050	-5.614	
Nitrobenzene-d5	0.409	0.407		-0.489	
Hexachloroethane	0.580	0.568		-2.069	
Nitrobenzene	0.416	0.417		0.24	
Isophorone	0.699	0.681		-2.575	
2-Nitrophenol	0.179	0.184		2.793	20.0
2,4-Dimethylphenol	0.214	0.214		0.0	
bis(2-Chloroethoxy)methane	0.425	0.418		-1.647	
2,4-Dichlorophenol	0.275	0.276		0.364	20.0
1,2,4-Trichlorobenzene	0.318	0.316		-0.629	
Benzoic acid	0.168	0.166		-1.19	
Naphthalene	1.053	1.044		-0.855	
4-Chloroaniline	0.353	0.346		-1.983	
Hexachlorobutadiene	0.192	0.190		-1.042	20.0
Caprolactam	0.082	0.078		-4.878	
4-Chloro-3-methylphenol	0.315	0.307		-2.54	20.0
2-Methylnaphthalene	0.665	0.649		-2.406	
Hexachlorocyclopentadiene	0.120	0.127	0.050	5.833	
2,4,6-Trichlorophenol	0.339	0.336		-0.885	20.0
2-Fluorobiphenyl	1.331	1.306		-1.878	
2,4,5-Trichlorophenol	0.370	0.368		-0.541	
1,1-Biphenyl	1.566	1.539		-1.724	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF073024 SAS No.: BF073024 SDG No.: BF073024

Instrument ID: BNA_F Calibration Date/Time: 7/30/2024 1:14:56

Lab File ID: BF138684.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	1.165	1.151		-1.202	
2-Nitroaniline	0.395	0.389		-1.519	
Dimethylphthalate	1.279	1.229		-3.909	
Acenaphthylene	1.652	1.637		-0.908	
2,6-Dinitrotoluene	0.289	0.288		-0.346	
3-Nitroaniline	0.298	0.288		-3.356	
Acenaphthene	1.111	1.082		-2.61	20.0
2,4-Dinitrophenol	0.133	0.127	0.050	-4.511	
4-Nitrophenol	0.179	0.175	0.050	-2.235	
Dibenzofuran	1.568	1.515		-3.38	
2,4-Dinitrotoluene	0.368	0.362		-1.63	
Diethylphthalate	1.213	1.155		-4.782	
4-Chlorophenyl-phenylether	0.614	0.589		-4.072	
Fluorene	1.249	1.206		-3.443	
4-Nitroaniline	0.284	0.272		-4.225	
4,6-Dinitro-2-methylphenol	0.122	0.125		2.459	
n-Nitrosodiphenylamine	0.625	0.631		0.96	20.0
Azobenzene	1.345	1.300		-3.346	
2,4,6-Tribromophenol	0.164	0.159		-3.049	
4-Bromophenyl-phenylether	0.217	0.217		0.0	
Hexachlorobenzene	0.224	0.220		-1.786	
Atrazine	0.161	0.162		0.621	
Pentachlorophenol	0.101	0.102		0.99	20.0
Phenanthrene	1.030	1.021		-0.874	
Anthracene	1.015	1.003		-1.182	
Carbazole	0.875	0.870		-0.571	
Di-n-butylphthalate	0.984	0.991		0.711	
Fluoranthene	0.961	0.965		0.416	20.0
Benzidine	0.478	0.535		11.925	
Pyrene	1.883	1.750		-7.063	
Terphenyl-d14	1.195	1.106		-7.448	
Butylbenzylphthalate	0.603	0.628		4.146	
3,3-Dichlorobenzidine	0.352	0.360		2.273	
Benzo(a)anthracene	1.377	1.395		1.307	
Chrysene	1.243	1.222		-1.689	
Bis(2-ethylhexyl)phthalate	0.883	0.948		7.361	
Di-n-octyl phthalate	1.634	1.744		6.732	20.0
Benzo(b)fluoranthene	1.240	1.229		-0.887	
Benzo(k)fluoranthene	1.073	1.002		-6.617	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF073024 SAS No.: BF073024 SDG No.: BF073024

Instrument ID: BNA_F Calibration Date/Time: 7/30/2024 14:56

Lab File ID: BF138684.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	1.043	1.023		-1.918	20.0
Indeno(1,2,3-cd)pyrene	1.433	1.395		-2.652	
Dibenzo(a,h)anthracene	1.177	1.134		-3.653	
Benzo(g,h,i)perylene	1.221	1.199		-1.802	
1,2,4,5-Tetrachlorobenzene	0.556	0.550		-1.079	
1,4-Dioxane	0.567	0.576		1.587	20.0
2,3,4,6-Tetrachlorophenol	0.283	0.274		-3.18	
1-Methylnaphthalene	0.652	0.636		-2.454	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBF073024	SDG No.:	BF073024
Lab Sample ID:	SSTDICV040	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
BF138688.D	1		7/30/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	39400		1000	8000	10000	ug/L
110-86-1	Pyridine	40500		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	37900		4000	8000	10000	ug/L
62-53-3	Aniline	40200		1600	4000	5000	ug/L
108-95-2	Phenol	38300		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	38400		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	38900		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	38500		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	38700		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	38700		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	39100		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	38600		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38100		1400	4000	5000	ug/L
98-86-2	Acetophenone	39100		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	37400		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	37400		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	39400		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	39900		1300	4000	5000	ug/L
78-59-1	Isophorone	39300		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	40700		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	40200		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39600		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	40600		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	39700		1100	4000	5000	ug/L
65-85-0	Benzoic acid	41500		5500	8000	10000	ug/L
91-20-3	Naphthalene	39200		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	40100		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	40800		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF073024			SDG No.:	BF073024		
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
BF138688.D	1		7/30/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	38400		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	39200		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	38800		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	42300		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	40400		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	41000		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	40200		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	40000		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	39500		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	38500		930	4000	5000	ug/L
208-96-8	Acenaphthylene	39500		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	39900		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	38300		1400	4000	5000	ug/L
83-32-9	Acenaphthene	39500		810	4000	5000	ug/L
Total PAH	Total PAH	624800		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	39100		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	39300		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	39000		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	38700		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	78600		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	38400		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	39100		980	4000	5000	ug/L
86-73-7	Fluorene	38700		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	38500		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	41300		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	40600		890	4000	5000	ug/L
103-33-3	Azobenzene	38600		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	40400		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	40100		1100	4000	5000	ug/L
1912-24-9	Atrazine	39700		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF073024			SDG No.:	BF073024		
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
BF138688.D	1		7/30/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	40800		1900	8000	10000	ug/L
85-01-8	Phenanthrene	39000		890	4000	5000	ug/L
120-12-7	Anthracene	38800		1100	4000	5000	ug/L
86-74-8	Carbazole	38500		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	40000		1500	4000	5000	ug/L
206-44-0	Fluoranthene	38300		1300	4000	5000	ug/L
92-87-5	Benzidine	41200		4100	8000	10000	ug/L
129-00-0	Pyrene	36900		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	42400		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	44200		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	41000		940	4000	5000	ug/L
218-01-9	Chrysene	39300		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44900		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	44200		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	38200		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	38400		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	39900		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	39500		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	39100		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	39500		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	40600		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	39800		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	38700		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	38700		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	78171	*	10-139		52114	SPK: -150
13127-88-3	Phenol-d6	77578	*	10-134		51719	SPK: -150
4165-60-0	Nitrobenzene-d5	80424	*	49-133		80424	SPK: -100
321-60-8	2-Fluorobiphenyl	78500	*	52-132		78500	SPK: -100

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF073024			SDG No.:	BF073024		
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
BF138688.D	1		7/30/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	77401	*	32-145		51601	SPK: -150
1718-51-0	Terphenyl-d14	73396	*	36-145		73396	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	81804	6.845				
1146-65-2	Naphthalene-d8	316107	8.128				
15067-26-2	Acenaphthene-d10	164062	9.881				
1517-22-2	Phenanthrene-d10	252048	11.369				
1719-03-5	Chrysene-d12	134464	14.004				
1520-96-3	Perylene-d12	171097	15.468				

Report of Analysis

Client:		Date Collected:	7/20/2024 12:00:00 AM
Project:		Date Received:	7/20/2024 12:00:00 AM
Client Sample ID:	PB162188BL	SDG No.:	BF073024
Lab Sample ID:	PB162188BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	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
BF138689.D	1	7/20/2024 12:00:00 AM	7/30/2024 12:00:00 AM	PB162188

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:	7/20/2024 12:00:00 AM
Project:		Date Received:	7/20/2024 12:00:00 AM
Client Sample ID:	PB162188BL	SDG No.:	BF073024
Lab Sample ID:	PB162188BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 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
BF138689.D	1	7/20/2024 12:00:00 AM	7/30/2024 12:00:00 AM	PB162188

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	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	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:	7/20/2024 12:00:00 AM
Project:		Date Received:	7/20/2024 12:00:00 AM
Client Sample ID:	PB162188BL	SDG No.:	BF073024
Lab Sample ID:	PB162188BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 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
BF138689.D	1	7/20/2024 12:00:00 AM	7/30/2024 12:00:00 AM	PB162188

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	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	143.996		18-112		96	SPK: -150
13127-88-3	Phenol-d6	140.716		15-107		94	SPK: -150
4165-60-0	Nitrobenzene-d5	96.317		18-107		96	SPK: -100
321-60-8	2-Fluorobiphenyl	93.29		20-109		93	SPK: -100

Report of Analysis

Client:		Date Collected:	7/20/2024 12:00:00 AM
Project:		Date Received:	7/20/2024 12:00:00 AM
Client Sample ID:	PB162188BL	SDG No.:	BF073024
Lab Sample ID:	PB162188BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 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
BF138689.D	1	7/20/2024 12:00:00 AM	7/30/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	151.147		10-110		101	SPK: -150
1718-51-0	Terphenyl-d14	111.87		14-112		112	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	72265	6.845				
1146-65-2	Naphthalene-d8	296178	8.122				
15067-26-2	Acenaphthene-d10	165767	9.874				
1517-22-2	Phenanthrene-d10	297109	11.363				
1719-03-5	Chrysene-d12	162905	14.004				
1520-96-3	Perylene-d12	141233	15.462				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	140	J			2.187	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	270	A			5.087	

Hit Summary Sheet SW-846

SDG No.: BF073024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : ICVBF073024								
SSTDICV040	ICVBF073024	Water	1,1-Biphenyl	40,200.000	910		5000	ug/L
SSTDICV040	ICVBF073024	Water	1,2,4,5-Tetrachlorobenzene	40,600.000	1100		5000	ug/L
SSTDICV040	ICVBF073024	Water	1,2,4-Trichlorobenzene	39,700.000	1100		5000	ug/L
SSTDICV040	ICVBF073024	Water	1,2-Dichlorobenzene	38,500.000	880		5000	ug/L
SSTDICV040	ICVBF073024	Water	1,3-Dichlorobenzene	38,700.000	800		5000	ug/L
SSTDICV040	ICVBF073024	Water	1,4-Dichlorobenzene	38,700.000	840		5000	ug/L
SSTDICV040	ICVBF073024	Water	1,4-Dioxane	39,800.000	1300		5000	ug/L
SSTDICV040	ICVBF073024	Water	1-Methylnaphthalene	38,700.000	860		5000	ug/L
SSTDICV040	ICVBF073024	Water	2,2-oxybis(1-Chloropropane)	38,100.000	1400		5000	ug/L
SSTDICV040	ICVBF073024	Water	2,3,4,6-Tetrachlorophenol	38,700.000	790		5000	ug/L
SSTDICV040	ICVBF073024	Water	2,4,5-Trichlorophenol	41,000.000	1000		5000	ug/L
SSTDICV040	ICVBF073024	Water	2,4,6-Trichlorophenol	40,400.000	890		5000	ug/L
SSTDICV040	ICVBF073024	Water	2,4-Dichlorophenol	40,600.000	880		5000	ug/L
SSTDICV040	ICVBF073024	Water	2,4-Dimethylphenol	40,200.000	1500		5000	ug/L
SSTDICV040	ICVBF073024	Water	2,4-Dinitrophenol	39,100.000	6400		10000	ug/L
SSTDICV040	ICVBF073024	Water	2,4-Dinitrotoluene	38,700.000	1500		5000	ug/L
SSTDICV040	ICVBF073024	Water	2,6-Dinitrotoluene	39,900.000	1200		5000	ug/L
SSTDICV040	ICVBF073024	Water	2-Chloronaphthalene	40,000.000	970		5000	ug/L
SSTDICV040	ICVBF073024	Water	2-Chlorophenol	38,900.000	710		5000	ug/L
SSTDICV040	ICVBF073024	Water	2-Methylnaphthalene	38,800.000	1100		5000	ug/L
SSTDICV040	ICVBF073024	Water	2-Methylphenol	38,600.000	1100		5000	ug/L
SSTDICV040	ICVBF073024	Water	2-Nitroaniline	39,500.000	1400		5000	ug/L
SSTDICV040	ICVBF073024	Water	2-Nitrophenol	40,700.000	2000		5000	ug/L
SSTDICV040	ICVBF073024	Water	3+4-Methylphenols	37,400.000	1200		10000	ug/L
SSTDICV040	ICVBF073024	Water	3,3-Dichlorobenzidine	44,200.000	1300		10000	ug/L
SSTDICV040	ICVBF073024	Water	3-Nitroaniline	38,300.000	1400		5000	ug/L
SSTDICV040	ICVBF073024	Water	4,6-Dinitro-2-methylphenol	41,300.000	3100		10000	ug/L
SSTDICV040	ICVBF073024	Water	4-Bromophenyl-phenylether	40,400.000	950		5000	ug/L
SSTDICV040	ICVBF073024	Water	4-Chloro-3-methylphenol	39,200.000	840		5000	ug/L
SSTDICV040	ICVBF073024	Water	4-Chloroaniline	40,100.000	1300		5000	ug/L
SSTDICV040	ICVBF073024	Water	4-Chlorophenyl-phenylether	39,100.000	980		5000	ug/L
SSTDICV040	ICVBF073024	Water	4-Nitroaniline	38,500.000	2000		5000	ug/L
SSTDICV040	ICVBF073024	Water	4-Nitrophenol	39,300.000	2000		10000	ug/L
SSTDICV040	ICVBF073024	Water	Acenaphthene	39,500.000	810		5000	ug/L
SSTDICV040	ICVBF073024	Water	Acenaphthylene	39,500.000	1000		5000	ug/L
SSTDICV040	ICVBF073024	Water	Acetophenone	39,100.000	1100		5000	ug/L
SSTDICV040	ICVBF073024	Water	Aniline	40,200.000	1600		5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BF073024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF073024	Water	Anthracene	38,800.000		1100	5000	ug/L
SSTDICV040	ICVBF073024	Water	Atrazine	39,700.000		1300	5000	ug/L
SSTDICV040	ICVBF073024	Water	Azobenzene	38,600.000		1200	5000	ug/L
SSTDICV040	ICVBF073024	Water	Benzaldehyde	37,900.000		4000	10000	ug/L
SSTDICV040	ICVBF073024	Water	Benzidine	41,200.000		4100	10000	ug/L
SSTDICV040	ICVBF073024	Water	Benzo(a)anthracene	41,000.000		940	5000	ug/L
SSTDICV040	ICVBF073024	Water	Benzo(a)pyrene	39,900.000		1700	5000	ug/L
SSTDICV040	ICVBF073024	Water	Benzo(b)fluoranthene	38,200.000		1100	5000	ug/L
SSTDICV040	ICVBF073024	Water	Benzo(g,h,i)perylene	39,500.000		1200	5000	ug/L
SSTDICV040	ICVBF073024	Water	Benzo(k)fluoranthene	38,400.000		1200	5000	ug/L
SSTDICV040	ICVBF073024	Water	Benzoic acid	41,500.000		5500	10000	ug/L
SSTDICV040	ICVBF073024	Water	Benzyl Alcohol	39,100.000		1600	10000	ug/L
SSTDICV040	ICVBF073024	Water	bis(2-Chloroethoxy)methane	39,600.000		1000	5000	ug/L
SSTDICV040	ICVBF073024	Water	bis(2-Chloroethyl)ether	38,400.000		1200	5000	ug/L
SSTDICV040	ICVBF073024	Water	Bis(2-ethylhexyl)phthalate	44,900.000		1900	5000	ug/L
SSTDICV040	ICVBF073024	Water	Butylbenzylphthalate	42,400.000		2100	5000	ug/L
SSTDICV040	ICVBF073024	Water	Caprolactam	38,400.000		1700	10000	ug/L
SSTDICV040	ICVBF073024	Water	Carbazole	38,500.000		1200	5000	ug/L
SSTDICV040	ICVBF073024	Water	Chrysene	39,300.000		860	5000	ug/L
SSTDICV040	ICVBF073024	Water	Di-n-butylphthalate	40,000.000		1500	5000	ug/L
SSTDICV040	ICVBF073024	Water	Di-n-octyl phthalate	44,200.000		2500	10000	ug/L
SSTDICV040	ICVBF073024	Water	Dibenzo(a,h)anthracene	39,100.000		1200	5000	ug/L
SSTDICV040	ICVBF073024	Water	Dibenzofuran	39,000.000		930	5000	ug/L
SSTDICV040	ICVBF073024	Water	Diethylphthalate	38,400.000		1000	5000	ug/L
SSTDICV040	ICVBF073024	Water	Dimethylphthalate	38,500.000		930	5000	ug/L
SSTDICV040	ICVBF073024	Water	Fluoranthene	38,300.000		1300	5000	ug/L
SSTDICV040	ICVBF073024	Water	Fluorene	38,700.000		960	5000	ug/L
SSTDICV040	ICVBF073024	Water	Hexachlorobenzene	40,100.000		1100	5000	ug/L
SSTDICV040	ICVBF073024	Water	Hexachlorobutadiene	40,800.000		1300	5000	ug/L
SSTDICV040	ICVBF073024	Water	Hexachlorocyclopentadiene	42,300.000		5000	10000	ug/L
SSTDICV040	ICVBF073024	Water	Hexachloroethane	39,400.000		1000	5000	ug/L
SSTDICV040	ICVBF073024	Water	Indeno(1,2,3-cd)pyrene	39,500.000		1000	5000	ug/L
SSTDICV040	ICVBF073024	Water	Isophorone	39,300.000		1100	5000	ug/L
SSTDICV040	ICVBF073024	Water	n-Nitroso-di-n-propylamine	37,400.000		1500	2500	ug/L
SSTDICV040	ICVBF073024	Water	n-Nitrosodimethylamine	39,400.000		1000	10000	ug/L
SSTDICV040	ICVBF073024	Water	n-Nitrosodiphenylamine	40,600.000		890	5000	ug/L
SSTDICV040	ICVBF073024	Water	Naphthalene	39,200.000		1000	5000	ug/L
SSTDICV040	ICVBF073024	Water	Nitrobenzene	39,900.000		1300	5000	ug/L
SSTDICV040	ICVBF073024	Water	Pentachlorophenol	40,800.000		1900	10000	ug/L
SSTDICV040	ICVBF073024	Water	Phenanthrene	39,000.000		890	5000	ug/L

Hit Summary Sheet
SW-846

SDG No.: BF073024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF073024	Water	Phenol	38,300.000		930	5000	ug/L
SSTDICV040	ICVBF073024	Water	Pyrene	36,900.000		1100	5000	ug/L
SSTDICV040	ICVBF073024	Water	Pyridine	40,500.000		1600	5000	ug/L
SSTDICV040	ICVBF073024	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	78,600.000		2700	10000	ug/L
SSTDICV040	ICVBF073024	Water	Total PAH	624,800.000		17360	80000	ug/L
Total Svoc :				3,872,500.00				
Total Concentration:				3,872,500.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

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

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

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

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

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

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF073024 SAS No.: BF073024 SDG NO.: BF073024

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 30 2024 12:00AM

Lab File ID: BF138684.D Time Analyzed: 17:55

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	72528	6.845	281315	8.13	146962	9.88
UPPER LIMIT	145056	7.345	562630	8.628	293924	10.38
LOWER LIMIT	36264	6.345	140657.5	7.628	73481	9.38
EPA SAMPLE NO.						
01 ICVBF073024	81804	6.85	316107	8.13	164062	9.88
02 PB162188BL	72265	6.85	296178	8.12	165767	9.87

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF073024 SAS No.: BF073024 SDG NO.: BF073024

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 30 2024 12:00AM

Lab File ID: BF138684.D Time Analyzed: 17:55

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	72528	6.845	281315	8.13	146962	9.88
UPPER LIMIT	145056	7.345	562630	8.628	293924	10.38
LOWER LIMIT	36264	6.345	140657.5	7.628	73481	9.38
EPA SAMPLE NO.						
01 ICVBF073024	81804	6.85	316107	8.13	164062	9.88
02 PB162188BL	72265	6.85	296178	8.12	165767	9.87

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF073024 SAS No.: BF073024 SDG NO.: BF073024

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 30 2024 12:00AM

Lab File ID: BF138684.D Time Analyzed: 17:55

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	227513	11.369	125928	14.004	151531	15.468
UPPER LIMIT	455026	11.869	251856	14.504	303062	15.968
LOWER LIMIT	113756.5	10.869	62964	13.504	75765.5	14.968
EPA SAMPLE NO.						
01 ICVBF073024	252048	11.37	134464	14.00	171097	15.47
02 PB162188BL	297109	11.36	162905	14.00	141233	15.46

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF073024 SAS No.: BF073024 SDG NO.: BF073024

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 30 2024 12:00AM

Lab File ID: BF138684.D Time Analyzed: 17:55

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	227513	11.369	125928	14.004	151531	15.468
UPPER LIMIT	455026	11.869	251856	14.504	303062	15.968
LOWER LIMIT	113756.5	10.869	62964	13.504	75765.5	14.968
EPA SAMPLE NO.						
01 ICVBF073024	252048	11.37	134464	14.00	171097	15.47
02 PB162188BL	297109	11.36	162905	14.00	141233	15.46

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBF073024

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF073024

SAS No.: BF073024 SDG NO.: BF073024

Lab File ID: BF138688.D

Lab Sample ID: SSTDICV040

Instrument ID: BNA_F

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 07/30/2024

Level: (low/med) LOW

Time Analyzed: 17:55

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBF073024	SSTDICV040	BF138688.D	07/30/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162188BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF073024

SAS No.: BF073024 SDG NO.: BF073024

Lab File ID: BF138689.D

Lab Sample ID: PB162188BL

Instrument ID: BNA_F

Date Extracted: 07/20/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/30/2024

Level: (low/med) LOW

Time Analyzed: 18:26

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.: **BF073024**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
SSTDICV040	ICVBF073024	BF138688.D	2-Fluorophenol	150	78,171.00	52114	*	10	139
			Phenol-d6	150	77,578.00	51719	*	10	134
			Nitrobenzene-d5	100	80,424.00	80424	*	49	133
			2-Fluorobiphenyl	100	78,500.00	78500	*	52	132
			2,4,6-Tribromophenol	150	77,401.00	51601	*	32	145
			Terphenyl-d14	100	73,396.00	73396	*	36	145

Surrogate Summary

SW-846

SDG No.: **BF073024**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162188BL	PB162188BL	BF138689.D	2-Fluorophenol	150	144.00	96		18	112
			Phenol-d6	150	140.72	94		15	107
			Nitrobenzene-d5	100	96.32	96		18	107
			2-Fluorobiphenyl	100	93.29	93		20	109
			2,4,6-Tribromophenol	150	151.15	101		10	110
			Terphenyl-d14	100	111.87	112		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF073024

Lab Code: CHEM

SAS No.: BF073024

SDG NO.: BF073024

Lab File ID: BF138679.D

DFTPP Injection Date: 07/30/2024

Instrument ID: BNA_F

DFTPP Injection Time: 12:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	49.4
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	41.1
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	51.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.9
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	12.3
442	Greater than 50% of mass 198	78.1
443	15.0 - 24.0% of mass 442	14.8 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF138680.D	07/30/2024	12:54
SSTDICC005	SSTDICC005	BF138681.D	07/30/2024	13:25
SSTDICC010	SSTDICC010	BF138682.D	07/30/2024	13:56
SSTDICC020	SSTDICC020	BF138683.D	07/30/2024	14:25
SSTDICCC040	SSTDICCC040	BF138684.D	07/30/2024	14:56
SSTDICC050	SSTDICC050	BF138685.D	07/30/2024	15:27
SSTDICC060	SSTDICC060	BF138686.D	07/30/2024	15:58
SSTDICC080	SSTDICC080	BF138687.D	07/30/2024	16:29
ICVBF073024	SSTDICV040	BF138688.D	07/30/2024	17:55
PB162188BL	PB162188BL	BF138689.D	07/30/2024	18:26