

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF053124 SAS No.: BF053124 SDG No.: BF053124

Instrument ID: BNA_F Calibration Date/Time: 5/31/2024 1:15:47

Lab File ID: BF138089.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	0.471	0.469		-0.425	
Pyridine	1.073	1.107		3.169	
2-Fluorophenol	1.119	1.084		-3.128	
Benzaldehyde	0.640	0.556		-13.125	
Aniline	0.619	0.696		12.439	
Phenol-d6	1.441	1.417		-1.666	
Phenol	1.427	1.412		-1.051	20.0
bis(2-Chloroethyl) ether	1.181	1.124		-4.826	
2-Chlorophenol	1.283	1.262		-1.637	
1,2-Dichlorobenzene	1.419	1.403		-1.128	
1,3-Dichlorobenzene	1.491	1.468		-1.543	
1,4-Dichlorobenzene	1.499	1.494		-0.334	20.0
Benzyl Alcohol	0.596	0.613		2.852	
2-Methylphenol	1.030	1.019		-1.068	
2,2-oxybis(1-Chloropropane)	1.301	1.288		-0.999	
Acetophenone	0.451	0.442		-1.996	
3+4-Methylphenols	1.295	1.294		-0.077	
n-Nitroso-di-n-propylamine	0.835	0.813	0.050	-2.635	
Nitrobenzene-d5	0.343	0.340		-0.875	
Hexachloroethane	0.509	0.513		0.786	
Nitrobenzene	0.342	0.338		-1.17	
Isophorone	0.592	0.579		-2.196	
2-Nitrophenol	0.183	0.188		2.732	20.0
2,4-Dimethylphenol	0.219	0.225		2.74	
bis(2-Chloroethoxy) methane	0.362	0.359		-0.829	
2,4-Dichlorophenol	0.293	0.295		0.683	20.0
1,2,4-Trichlorobenzene	0.325	0.321		-1.231	
Benzoic acid	0.149	0.160		7.383	
Naphthalene	1.029	1.007		-2.138	
4-Chloroaniline	0.347	0.347		0.0	
Hexachlorobutadiene	0.210	0.208		-0.952	20.0
Caprolactam	0.089	0.087		-2.247	
4-Chloro-3-methylphenol	0.294	0.291		-1.02	20.0
2-Methylnaphthalene	0.677	0.660		-2.511	
Hexachlorocyclopentadiene	0.198	0.218	0.050	10.101	
2,4,6-Trichlorophenol	0.377	0.378		0.265	20.0
2-Fluorobiphenyl	1.349	1.322		-2.001	
2,4,5-Trichlorophenol	0.411	0.413		0.487	
1,1-Biphenyl	1.438	1.432		-0.417	

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Instrument ID: BNA_F Calibration Date/Time: 5/31/2024 1:15:47

Lab File ID: BF138089.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	1.154	1.136		-1.56	
2-Nitroaniline	0.289	0.289		0.0	
Dimethylphthalate	1.325	1.302		-1.736	
Acenaphthylene	1.651	1.627		-1.454	
2,6-Dinitrotoluene	0.304	0.300		-1.316	
3-Nitroaniline	0.290	0.291		0.345	
Acenaphthene	1.046	1.028		-1.721	20.0
2,4-Dinitrophenol	0.148	0.151	0.050	2.027	
4-Nitrophenol	0.193	0.207	0.050	7.254	
Dibenzofuran	1.606	1.582		-1.494	
2,4-Dinitrotoluene	0.401	0.396		-1.247	
Diethylphthalate	1.259	1.226		-2.621	
4-Chlorophenyl-phenylether	0.653	0.640		-1.991	
Fluorene	1.294	1.267		-2.087	
4-Nitroaniline	0.263	0.259		-1.521	
4,6-Dinitro-2-methylphenol	0.125	0.130		4.0	
n-Nitrosodiphenylamine	0.622	0.623		0.161	20.0
Azobenzene	1.082	1.061		-1.941	
2,4,6-Tribromophenol	0.233	0.230		-1.288	
4-Bromophenyl-phenylether	0.234	0.234		0.0	
Hexachlorobenzene	0.260	0.258		-0.769	
Atrazine	0.172	0.178		3.488	
Pentachlorophenol	0.135	0.140		3.704	20.0
Phenanthrene	1.006	0.993		-1.292	
Anthracene	1.003	0.981		-2.193	
Carbazole	0.932	0.908		-2.575	
Di-n-butylphthalate	1.113	1.097		-1.438	
Fluoranthene	1.061	1.025		-3.393	20.0
Benzidine	0.192	0.216		12.5	
Pyrene	1.699	1.790		5.356	
Terphenyl-d14	1.383	1.441		4.194	
Butylbenzylphthalate	0.617	0.635		2.917	
3,3-Dichlorobenzidine	0.350	0.350		0.0	
Benzo(a)anthracene	1.306	1.311		0.383	
Chrysene	1.233	1.227		-0.487	
Bis(2-ethylhexyl)phthalate	0.839	0.855		1.907	
Di-n-octyl phthalate	1.230	1.222		-0.65	20.0
Benzo(b)fluoranthene	1.232	1.171		-4.951	
Benzo(k)fluoranthene	1.171	1.177		0.512	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF053124 SAS No.: BF053124 SDG No.: BF053124

Instrument ID: BNA_F Calibration Date/Time: 5/31/2024 1:15:47

Lab File ID: BF138089.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	1.030	1.018		-1.165	20.0
Indeno(1,2,3-cd)pyrene	1.205	1.253		3.983	
Dibenzo(a,h)anthracene	0.989	1.039		5.056	
Benzo(g,h,i)perylene	1.005	1.046		4.08	
1,2,4,5-Tetrachlorobenzene	0.568	0.571		0.528	
1,4-Dioxane	0.486	0.482		-0.823	20.0
2,3,4,6-Tetrachlorophenol	0.324	0.331		2.16	
1-Methylnaphthalene	0.659	0.651		-1.214	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SSTDCCC040			SDG No.:	BF053124		
Lab Sample ID:	SSTDCCC040			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
BF138084.D	1		5/31/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	40200		1000	8000	10000	ug/L
110-86-1	Pyridine	38100		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	37300		4000	8000	10000	ug/L
62-53-3	Aniline	19700		1600	4000	5000	ug/L
108-95-2	Phenol	38800		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	46100		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	39100		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	39100		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	39200		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	38900		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	39800		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	38200		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	37200		1400	4000	5000	ug/L
98-86-2	Acetophenone	39700		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	39400		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	36800		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	38400		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	40300		1300	4000	5000	ug/L
78-59-1	Isophorone	39500		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	40500		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	38500		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39000		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	40300		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	39700		1100	4000	5000	ug/L
65-85-0	Benzoic acid	33400		5500	8000	10000	ug/L
91-20-3	Naphthalene	39900		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	23500		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	39700		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SSTDCCC040			SDG No.:	BF053124		
Lab Sample ID:	SSTDCCC040			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
BF138084.D	1		5/31/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	39200		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	39800		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	39300		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	41600		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	39200		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	39600		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	39700		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	39500		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	40400		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	39300		930	4000	5000	ug/L
208-96-8	Acenaphthylene	40000		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	39600		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	40100		1400	4000	5000	ug/L
83-32-9	Acenaphthene	41900		810	4000	5000	ug/L
Total PAH	Total PAH	647500		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	37000		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	38000		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	39300		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	40400		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	80000		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	38100		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	38500		980	4000	5000	ug/L
86-73-7	Fluorene	39200		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	40800		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	39500		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	40700		890	4000	5000	ug/L
103-33-3	Azobenzene	38400		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	39200		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	39700		1100	4000	5000	ug/L
1912-24-9	Atrazine	24000		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SSTDCCC040			SDG No.:	BF053124		
Lab Sample ID:	SSTDCCC040			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
BF138084.D	1		5/31/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	38200		1900	8000	10000	ug/L
85-01-8	Phenanthrene	39700		890	4000	5000	ug/L
120-12-7	Anthracene	40100		1100	4000	5000	ug/L
86-74-8	Carbazole	39100		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	35900		1500	4000	5000	ug/L
206-44-0	Fluoranthene	37100		1300	4000	5000	ug/L
92-87-5	Benzidine	47000		4100	8000	10000	ug/L
129-00-0	Pyrene	41600		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	36000		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	45700		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	38600		940	4000	5000	ug/L
218-01-9	Chrysene	39200		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	31300		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	35100		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	39000		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	36700		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	40400		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	44500		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	44100		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	45500		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39700		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	39600		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	37800		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	39300		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	79005	*	10-139		52670	SPK: -150
13127-88-3	Phenol-d6	77018	*	10-134		51345	SPK: -150
4165-60-0	Nitrobenzene-d5	80397	*	49-133		80397	SPK: -100
321-60-8	2-Fluorobiphenyl	77950	*	52-132		77950	SPK: -100

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	SSTDCCC040	SDG No.:	BF053124
Lab Sample ID:	SSTDCCC040	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
BF138084.D	1		5/31/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	75491	*	32-145		50327	SPK: -150
1718-51-0	Terphenyl-d14	79484	*	36-145		79484	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	105243	7.034				
1146-65-2	Naphthalene-d8	387471	8.322				
15067-26-2	Acenaphthene-d10	218047	10.086				
1517-22-2	Phenanthrene-d10	361126	11.58				
1719-03-5	Chrysene-d12	198548	14.233				
1520-96-3	Perylene-d12	206906	15.798				

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBF053124	SDG No.:	BF053124
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
BF138093.D	1		5/31/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	40700		1000	8000	10000	ug/L
110-86-1	Pyridine	42800		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	38300		4000	8000	10000	ug/L
62-53-3	Aniline	54600		1600	4000	5000	ug/L
108-95-2	Phenol	40000		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	39500		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	39600		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	39100		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	39100		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	39400		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	42400		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	39700		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	40500		1400	4000	5000	ug/L
98-86-2	Acetophenone	40100		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	40300		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	38800		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	39400		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	40100		1300	4000	5000	ug/L
78-59-1	Isophorone	39700		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	41100		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	41100		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39900		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	40400		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	39500		1100	4000	5000	ug/L
65-85-0	Benzoic acid	40900		5500	8000	10000	ug/L
91-20-3	Naphthalene	39300		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	40200		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	38600		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF053124			SDG No.:	BF053124		
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
BF138093.D	1		5/31/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	41500		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	40100		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	39300		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	39100		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	39500		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	39800		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	39100		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	38900		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	40400		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	39400		930	4000	5000	ug/L
208-96-8	Acenaphthylene	39200		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	40100		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	39700		1400	4000	5000	ug/L
83-32-9	Acenaphthene	39500		810	4000	5000	ug/L
Total PAH	Total PAH	631200		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	41100		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	43300		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	38600		930	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	80500		2700	4000	10000	ug/L
121-14-2	2,4-Dinitrotoluene	40400		1500	4000	5000	ug/L
84-66-2	Diethylphthalate	39400		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	39400		980	4000	5000	ug/L
86-73-7	Fluorene	38700		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	37500		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	42100		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	39000		890	4000	5000	ug/L
103-33-3	Azobenzene	39400		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	39300		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	38900		1100	4000	5000	ug/L
1912-24-9	Atrazine	42600		1300	4000	5000	ug/L

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBF053124	SDG No.:	BF053124
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
BF138093.D	1		5/31/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	41900		1900	8000	10000	ug/L
85-01-8	Phenanthrene	38600		890	4000	5000	ug/L
120-12-7	Anthracene	39400		1100	4000	5000	ug/L
86-74-8	Carbazole	38200		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	39200		1500	4000	5000	ug/L
206-44-0	Fluoranthene	38100		1300	4000	5000	ug/L
92-87-5	Benzidine	16000		4100	8000	10000	ug/L
129-00-0	Pyrene	41200		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	42100		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	35400		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	39500		940	4000	5000	ug/L
218-01-9	Chrysene	39300		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	41300		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	40000		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	38600		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	38800		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	39200		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	40800		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	41000		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	40000		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39300		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	39400		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	41500		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	39800		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	77731	*	10-139		51821	SPK: -150
13127-88-3	Phenol-d6	78858	*	10-134		52572	SPK: -150
4165-60-0	Nitrobenzene-d5	80152	*	49-133		80152	SPK: -100
321-60-8	2-Fluorobiphenyl	76175	*	52-132		76175	SPK: -100

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBF053124	SDG No.:	BF053124
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
BF138093.D	1		5/31/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	77902	*	32-145		51935	SPK: -150
1718-51-0	Terphenyl-d14	81188	*	36-145		81188	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	133128	7.034				
1146-65-2	Naphthalene-d8	513795	8.322				
15067-26-2	Acenaphthene-d10	293771	10.086				
1517-22-2	Phenanthrene-d10	508587	11.58				
1719-03-5	Chrysene-d12	297438	14.233				
1520-96-3	Perylene-d12	274685	15.804				



Client:				Date Collected:	5/30/2024 12:00:00 AM	
Project:				Date Received:	5/30/2024 12:00:00 AM	
Client Sample ID:	PB161196BL			SDG No.:	BF053124	
Lab Sample ID:	PB161196BL			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
BF138094.D	1	5/30/2024 12:00:00 AM	5/31/2024 12:00:00 AM	PB161196

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:	5/30/2024 12:00:00 AM
Project:		Date Received:	5/30/2024 12:00:00 AM
Client Sample ID:	PB161196BL	SDG No.:	BF053124
Lab Sample ID:	PB161196BL	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
BF138094.D	1	5/30/2024 12:00:00 AM	5/31/2024 12:00:00 AM	PB161196

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
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.2	U	169.2	130	340	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:	5/30/2024 12:00:00 AM
Project:		Date Received:	5/30/2024 12:00:00 AM
Client Sample ID:	PB161196BL	SDG No.:	BF053124
Lab Sample ID:	PB161196BL	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
BF138094.D	1	5/30/2024 12:00:00 AM	5/31/2024 12:00:00 AM	PB161196

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	136.476		18-112		91	SPK: -150
13127-88-3	Phenol-d6	128.752		15-107		86	SPK: -150
4165-60-0	Nitrobenzene-d5	84.685		18-107		85	SPK: -100
321-60-8	2-Fluorobiphenyl	81.027		20-109		81	SPK: -100

Report of Analysis

Client:		Date Collected:	5/30/2024 12:00:00 AM
Project:		Date Received:	5/30/2024 12:00:00 AM
Client Sample ID:	PB161196BL	SDG No.:	BF053124
Lab Sample ID:	PB161196BL	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
BF138094.D	1	5/30/2024 12:00:00 AM	5/31/2024 12:00:00 AM	PB161196

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	132.628		10-110		88	SPK: -150
1718-51-0	Terphenyl-d14	71.38		14-112		71	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	130362	7.034				
1146-65-2	Naphthalene-d8	514193	8.316				
15067-26-2	Acenaphthene-d10	307535	10.081				
1517-22-2	Phenanthrene-d10	582869	11.575				
1719-03-5	Chrysene-d12	457920	14.233				
1520-96-3	Perylene-d12	376480	15.798				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown2.152	4200	J			2.152	
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	100	J			18.251	

Hit Summary Sheet SW-846

SDG No.: BF053124

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	SSTDCCC040							
SSTDCCC040	SSTDCCC040	Water	1,1-Biphenyl	39,700.000	910		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	1,2,4,5-Tetrachlorobenzene	39,700.000	1100		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	1,2,4-Trichlorobenzene	39,700.000	1100		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	1,2-Dichlorobenzene	39,100.000	880		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	1,3-Dichlorobenzene	39,200.000	800		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	1,4-Dichlorobenzene	38,900.000	840		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	1,4-Dioxane	39,600.000	1300		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	1-Methylnaphthalene	39,300.000	860		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,2-oxybis(1-Chloropropane)	37,200.000	1400		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,3,4,6-Tetrachlorophenol	37,800.000	790		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,4,5-Trichlorophenol	39,600.000	1000		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,4,6-Trichlorophenol	39,200.000	890		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,4-Dichlorophenol	40,300.000	880		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,4-Dimethylphenol	38,500.000	1500		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,4-Dinitrophenol	37,000.000	6400		10000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,4-Dinitrotoluene	40,400.000	1500		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,6-Dinitrotoluene	39,600.000	1200		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2-Chloronaphthalene	39,500.000	970		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2-Chlorophenol	39,100.000	710		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2-Methylnaphthalene	39,300.000	1100		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2-Methylphenol	38,200.000	1100		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2-Nitroaniline	40,400.000	1400		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2-Nitrophenol	40,500.000	2000		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	3+4-Methylphenols	39,400.000	1200		10000	ug/L
SSTDCCC040	SSTDCCC040	Water	3,3-Dichlorobenzidine	45,700.000	1300		10000	ug/L
SSTDCCC040	SSTDCCC040	Water	3-Nitroaniline	40,100.000	1400		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	4,6-Dinitro-2-methylphenol	39,500.000	3100		10000	ug/L
SSTDCCC040	SSTDCCC040	Water	4-Bromophenyl-phenylether	39,200.000	950		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	4-Chloro-3-methylphenol	39,800.000	840		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	4-Chloroaniline	23,500.000	1300		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	4-Chlorophenyl-phenylether	38,500.000	980		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	4-Nitroaniline	40,800.000	2000		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	4-Nitrophenol	38,000.000	2000		10000	ug/L
SSTDCCC040	SSTDCCC040	Water	Acenaphthene	41,900.000	810		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Acenaphthylene	40,000.000	1000		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Acetophenone	39,700.000	1100		5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Aniline	19,700.000	1600		5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BF053124

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDCCC040	SSTDCCC040	Water	Anthracene	40,100.000		1100	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Atrazine	24,000.000		1300	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Azobenzene	38,400.000		1200	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Benzaldehyde	37,300.000		4000	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	Benzidine	47,000.000		4100	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	Benzo(a)anthracene	38,600.000		940	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Benzo(a)pyrene	40,400.000		1700	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Benzo(b)fluoranthene	39,000.000		1100	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Benzo(g,h,i)perylene	45,500.000		1200	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Benzo(k)fluoranthene	36,700.000		1200	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Benzoic acid	33,400.000		5500	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	Benzyl Alcohol	39,800.000		1600	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	bis(2-Chloroethoxy)methane	39,000.000		1000	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	bis(2-Chloroethyl)ether	46,100.000		1200	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Bis(2-ethylhexyl)phthalate	31,300.000		1900	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Butylbenzylphthalate	36,000.000		2100	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Caprolactam	39,200.000		1700	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	Carbazole	39,100.000		1200	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Chrysene	39,200.000		860	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Di-n-butylphthalate	35,900.000		1500	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Di-n-octyl phthalate	35,100.000		2500	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	Dibenzo(a,h)anthracene	44,100.000		1200	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Dibenzofuran	39,300.000		930	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Diethylphthalate	38,100.000		1000	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Dimethylphthalate	39,300.000		930	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Fluoranthene	37,100.000		1300	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Fluorene	39,200.000		960	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Hexachlorobenzene	39,700.000		1100	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Hexachlorobutadiene	39,700.000		1300	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Hexachlorocyclopentadiene	41,600.000		5000	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	Hexachloroethane	38,400.000		1000	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Indeno(1,2,3-cd)pyrene	44,500.000		1000	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Isophorone	39,500.000		1100	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	n-Nitroso-di-n-propylamine	36,800.000		1500	2500	ug/L
SSTDCCC040	SSTDCCC040	Water	n-Nitrosodimethylamine	40,200.000		1000	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	n-Nitrosodiphenylamine	40,700.000		890	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Naphthalene	39,900.000		1000	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Nitrobenzene	40,300.000		1300	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Pentachlorophenol	38,200.000		1900	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	Phenanthrene	39,700.000		890	5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BF053124

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDCCC040	SSTDCCC040	Water	Phenol	38,800.000		930	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Pyrene	41,600.000		1100	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Pyridine	38,100.000		1600	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	80,000.000		2700	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	Total PAH	647,500.000		17360	80000	ug/L
Total Svoc :				3,831,000.00				
Total Concentration:				3,831,000.00				

Client ID : ICVBF053124

SSTDICV040	ICVBF053124	Water	1,1-Biphenyl	39,100.000		910	5000	ug/L
SSTDICV040	ICVBF053124	Water	1,2,4,5-Tetrachlorobenzene	39,300.000		1100	5000	ug/L
SSTDICV040	ICVBF053124	Water	1,2,4-Trichlorobenzene	39,500.000		1100	5000	ug/L
SSTDICV040	ICVBF053124	Water	1,2-Dichlorobenzene	39,100.000		880	5000	ug/L
SSTDICV040	ICVBF053124	Water	1,3-Dichlorobenzene	39,100.000		800	5000	ug/L
SSTDICV040	ICVBF053124	Water	1,4-Dichlorobenzene	39,400.000		840	5000	ug/L
SSTDICV040	ICVBF053124	Water	1,4-Dioxane	39,400.000		1300	5000	ug/L
SSTDICV040	ICVBF053124	Water	1-Methylnaphthalene	39,800.000		860	5000	ug/L
SSTDICV040	ICVBF053124	Water	2,2-oxybis(1-Chloropropane)	40,500.000		1400	5000	ug/L
SSTDICV040	ICVBF053124	Water	2,3,4,6-Tetrachlorophenol	41,500.000		790	5000	ug/L
SSTDICV040	ICVBF053124	Water	2,4,5-Trichlorophenol	39,800.000		1000	5000	ug/L
SSTDICV040	ICVBF053124	Water	2,4,6-Trichlorophenol	39,500.000		890	5000	ug/L
SSTDICV040	ICVBF053124	Water	2,4-Dichlorophenol	40,400.000		880	5000	ug/L
SSTDICV040	ICVBF053124	Water	2,4-Dimethylphenol	41,100.000		1500	5000	ug/L
SSTDICV040	ICVBF053124	Water	2,4-Dinitrophenol	41,100.000		6400	10000	ug/L
SSTDICV040	ICVBF053124	Water	2,4-Dinitrotoluene	40,400.000		1500	5000	ug/L
SSTDICV040	ICVBF053124	Water	2,6-Dinitrotoluene	40,100.000		1200	5000	ug/L
SSTDICV040	ICVBF053124	Water	2-Chloronaphthalene	38,900.000		970	5000	ug/L
SSTDICV040	ICVBF053124	Water	2-Chlorophenol	39,600.000		710	5000	ug/L
SSTDICV040	ICVBF053124	Water	2-Methylnaphthalene	39,300.000		1100	5000	ug/L
SSTDICV040	ICVBF053124	Water	2-Methylphenol	39,700.000		1100	5000	ug/L
SSTDICV040	ICVBF053124	Water	2-Nitroaniline	40,400.000		1400	5000	ug/L
SSTDICV040	ICVBF053124	Water	2-Nitrophenol	41,100.000		2000	5000	ug/L
SSTDICV040	ICVBF053124	Water	3+4-Methylphenols	40,300.000		1200	10000	ug/L
SSTDICV040	ICVBF053124	Water	3,3-Dichlorobenzidine	35,400.000		1300	10000	ug/L
SSTDICV040	ICVBF053124	Water	3-Nitroaniline	39,700.000		1400	5000	ug/L
SSTDICV040	ICVBF053124	Water	4,6-Dinitro-2-methylphenol	42,100.000		3100	10000	ug/L
SSTDICV040	ICVBF053124	Water	4-Bromophenyl-phenylether	39,300.000		950	5000	ug/L
SSTDICV040	ICVBF053124	Water	4-Chloro-3-methylphenol	40,100.000		840	5000	ug/L
SSTDICV040	ICVBF053124	Water	4-Chloroaniline	40,200.000		1300	5000	ug/L
SSTDICV040	ICVBF053124	Water	4-Chlorophenyl-phenylether	39,400.000		980	5000	ug/L
SSTDICV040	ICVBF053124	Water	4-Nitroaniline	37,500.000		2000	5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BF053124

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF053124	Water	4-Nitrophenol	43,300.000		2000	10000	ug/L
SSTDICV040	ICVBF053124	Water	Acenaphthene	39,500.000		810	5000	ug/L
SSTDICV040	ICVBF053124	Water	Acenaphthylene	39,200.000		1000	5000	ug/L
SSTDICV040	ICVBF053124	Water	Acetophenone	40,100.000		1100	5000	ug/L
SSTDICV040	ICVBF053124	Water	Aniline	54,600.000		1600	5000	ug/L
SSTDICV040	ICVBF053124	Water	Anthracene	39,400.000		1100	5000	ug/L
SSTDICV040	ICVBF053124	Water	Atrazine	42,600.000		1300	5000	ug/L
SSTDICV040	ICVBF053124	Water	Azobenzene	39,400.000		1200	5000	ug/L
SSTDICV040	ICVBF053124	Water	Benzaldehyde	38,300.000		4000	10000	ug/L
SSTDICV040	ICVBF053124	Water	Benzidine	16,000.000		4100	10000	ug/L
SSTDICV040	ICVBF053124	Water	Benzo(a)anthracene	39,500.000		940	5000	ug/L
SSTDICV040	ICVBF053124	Water	Benzo(a)pyrene	39,200.000		1700	5000	ug/L
SSTDICV040	ICVBF053124	Water	Benzo(b)fluoranthene	38,600.000		1100	5000	ug/L
SSTDICV040	ICVBF053124	Water	Benzo(g,h,i)perylene	40,000.000		1200	5000	ug/L
SSTDICV040	ICVBF053124	Water	Benzo(k)fluoranthene	38,800.000		1200	5000	ug/L
SSTDICV040	ICVBF053124	Water	Benzoic acid	40,900.000		5500	10000	ug/L
SSTDICV040	ICVBF053124	Water	Benzyl Alcohol	42,400.000		1600	10000	ug/L
SSTDICV040	ICVBF053124	Water	bis(2-Chloroethoxy)methane	39,900.000		1000	5000	ug/L
SSTDICV040	ICVBF053124	Water	bis(2-Chloroethyl)ether	39,500.000		1200	5000	ug/L
SSTDICV040	ICVBF053124	Water	Bis(2-ethylhexyl)phthalate	41,300.000		1900	5000	ug/L
SSTDICV040	ICVBF053124	Water	Butylbenzylphthalate	42,100.000		2100	5000	ug/L
SSTDICV040	ICVBF053124	Water	Caprolactam	41,500.000		1700	10000	ug/L
SSTDICV040	ICVBF053124	Water	Carbazole	38,200.000		1200	5000	ug/L
SSTDICV040	ICVBF053124	Water	Chrysene	39,300.000		860	5000	ug/L
SSTDICV040	ICVBF053124	Water	Di-n-butylphthalate	39,200.000		1500	5000	ug/L
SSTDICV040	ICVBF053124	Water	Di-n-octyl phthalate	40,000.000		2500	10000	ug/L
SSTDICV040	ICVBF053124	Water	Dibenzo(a,h)anthracene	41,000.000		1200	5000	ug/L
SSTDICV040	ICVBF053124	Water	Dibenzofuran	38,600.000		930	5000	ug/L
SSTDICV040	ICVBF053124	Water	Diethylphthalate	39,400.000		1000	5000	ug/L
SSTDICV040	ICVBF053124	Water	Dimethylphthalate	39,400.000		930	5000	ug/L
SSTDICV040	ICVBF053124	Water	Fluoranthene	38,100.000		1300	5000	ug/L
SSTDICV040	ICVBF053124	Water	Fluorene	38,700.000		960	5000	ug/L
SSTDICV040	ICVBF053124	Water	Hexachlorobenzene	38,900.000		1100	5000	ug/L
SSTDICV040	ICVBF053124	Water	Hexachlorobutadiene	38,600.000		1300	5000	ug/L
SSTDICV040	ICVBF053124	Water	Hexachlorocyclopentadiene	39,100.000		5000	10000	ug/L
SSTDICV040	ICVBF053124	Water	Hexachloroethane	39,400.000		1000	5000	ug/L
SSTDICV040	ICVBF053124	Water	Indeno(1,2,3-cd)pyrene	40,800.000		1000	5000	ug/L
SSTDICV040	ICVBF053124	Water	Isophorone	39,700.000		1100	5000	ug/L
SSTDICV040	ICVBF053124	Water	n-Nitroso-di-n-propylamine	38,800.000		1500	2500	ug/L
SSTDICV040	ICVBF053124	Water	n-Nitrosodimethylamine	40,700.000		1000	10000	ug/L

Hit Summary Sheet SW-846

SDG No.: BF053124

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF053124	Water	n-Nitrosodiphenylamine	39,000.000		890	5000	ug/L
SSTDICV040	ICVBF053124	Water	Naphthalene	39,300.000		1000	5000	ug/L
SSTDICV040	ICVBF053124	Water	Nitrobenzene	40,100.000		1300	5000	ug/L
SSTDICV040	ICVBF053124	Water	Pentachlorophenol	41,900.000		1900	10000	ug/L
SSTDICV040	ICVBF053124	Water	Phenanthrene	38,600.000		890	5000	ug/L
SSTDICV040	ICVBF053124	Water	Phenol	40,000.000		930	5000	ug/L
SSTDICV040	ICVBF053124	Water	Pyrene	41,200.000		1100	5000	ug/L
SSTDICV040	ICVBF053124	Water	Pyridine	42,800.000		1600	5000	ug/L
SSTDICV040	ICVBF053124	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	80,500.000		2700	10000	ug/L
SSTDICV040	ICVBF053124	Water	Total PAH	631,200.000		17360	80000	ug/L
Total Svoc :				3,890,700.00				
Total Concentration:				3,890,700.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF053124 SAS No.: BF053124 SDG No.: BF053124
Instrument ID: _____ Calibration Date(s): 5/31/2024 : _____
Calibration Time(s): 13:52 _____

LAB FILE ID:		RRF2.5 = BF138085.D		RRF005 = BF138086.D		RRF010 = BF138087.D		
		RRF020 = BF138088.D		RRF040 = BF138089.D		RRF050 = BF138090.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.462	0.483	0.486	0.469	0.468	0.471	2.1
Pyridine		0.929	1.069	1.147	1.107	1.090	1.073	6.4
2-Fluorophenol		1.208	1.206	1.206	1.084	1.054	1.119	7.7
Benzaldehyde		0.911	0.881	0.787	0.556	0.486	0.640	33.5
Aniline			0.366	0.754	0.696	0.648	0.619	21.6
Phenol-d6		1.578	1.539	1.534	1.417	1.356	1.441	7.7
Phenol		1.539	1.494	1.526	1.412	1.351	1.427	6.7
bis(2-Chloroethyl)ether		1.185	1.383	1.271	1.124	1.071	1.181	9.4
2-Chlorophenol		1.424	1.326	1.378	1.262	1.215	1.283	7.6
1,2-Dichlorobenzene		1.575	1.515	1.516	1.403	1.339	1.419	8.4
1,3-Dichlorobenzene		1.608	1.580	1.592	1.468	1.423	1.491	6.9
1,4-Dichlorobenzene		1.607	1.584	1.594	1.494	1.442	1.499	6.7
Benzyl Alcohol			0.440	0.517	0.613	0.644	0.596	16.3
2-Methylphenol		1.103	1.085	1.084	1.019	0.975	1.030	6.0
2,2-oxybis(1-Chloropropane)		1.367	1.387	1.388	1.288	1.249	1.301	6.3
Acetophenone		0.479	0.486	0.477	0.442	0.427	0.451	6.8
3+4-Methylphenols		1.406	1.376	1.398	1.294	1.220	1.295	8.1
n-Nitroso-di-n-propylamine	0.863	0.927	0.875	0.895	0.813	0.776	0.835	7.6
Nitrobenzene-d5		0.356	0.356	0.360	0.340	0.331	0.343	4.4
Hexachloroethane		0.538	0.515	0.541	0.513	0.494	0.509	5.0
Nitrobenzene		0.350	0.353	0.353	0.338	0.331	0.342	3.3
Isophorone		0.626	0.613	0.624	0.579	0.565	0.592	4.8
2-Nitrophenol		0.174	0.179	0.193	0.188	0.182	0.183	3.6
2,4-Dimethylphenol		0.205	0.214	0.237	0.225	0.215	0.219	4.9
bis(2-Chloroethoxy)methane		0.386	0.377	0.384	0.359	0.344	0.362	5.7
2,4-Dichlorophenol		0.294	0.300	0.312	0.295	0.284	0.293	4.1
1,2,4-Trichlorobenzene		0.343	0.342	0.340	0.321	0.312	0.325	5.3
Benzoic acid			0.079	0.111	0.160	0.172	0.149	29.4
Naphthalene		1.133	1.094	1.094	1.007	0.971	1.029	7.8
4-Chloroaniline		0.354	0.350	0.369	0.347	0.335	0.347	3.7
Hexachlorobutadiene		0.225	0.212	0.222	0.208	0.200	0.210	5.2
Caprolactam		0.092	0.094	0.093	0.087	0.084	0.089	5.1
4-Chloro-3-methylphenol		0.300	0.299	0.314	0.291	0.282	0.294	4.4
2-Methylnaphthalene		0.744	0.729	0.725	0.660	0.638	0.677	8.2
Hexachlorocyclopentadiene		0.153	0.176	0.205	0.218	0.213	0.198	12.1
2,4,6-Trichlorophenol		0.380	0.389	0.395	0.378	0.362	0.377	3.6

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF053124 SAS No.: BF053124 SDG No.: BF053124

Instrument ID: _____ Calibration Date(s): 5/31/2024 : _____

Calibration Time(s): 13:52 _____

LAB FILE ID:		RRF2.5 = BF138085.D		RRF005 = BF138086.D		RRF010 = BF138087.D		
		RRF020 = BF138088.D		RRF040 = BF138089.D		RRF050 = BF138090.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.518	1.488	1.440	1.322	1.239	1.349	9.9
2,4,5-Trichlorophenol		0.416	0.412	0.420	0.413	0.400	0.411	2.4
1,1-Biphenyl		1.537	1.533	1.512	1.432	1.355	1.438	6.4
2-Chloronaphthalene		1.226	1.222	1.216	1.136	1.088	1.154	5.9
2-Nitroaniline		0.284	0.299	0.302	0.289	0.276	0.289	3.5
Dimethylphthalate		1.411	1.399	1.384	1.302	1.236	1.325	5.5
Acenaphthylene		1.781	1.758	1.747	1.627	1.549	1.651	6.8
2,6-Dinitrotoluene		0.313	0.320	0.319	0.300	0.288	0.304	4.5
3-Nitroaniline		0.282	0.299	0.305	0.291	0.279	0.290	3.6
Acenaphthene		1.135	1.112	1.098	1.028	0.972	1.046	6.7
2,4-Dinitrophenol			0.117	0.139	0.151	0.155	0.148	12.0
4-Nitrophenol		0.142	0.169	0.202	0.207	0.199	0.193	14.3
Dibenzofuran		1.751	1.730	1.714	1.582	1.493	1.606	8.0
2,4-Dinitrotoluene		0.398	0.419	0.426	0.396	0.382	0.401	4.4
Diethylphthalate		1.360	1.340	1.328	1.226	1.173	1.259	6.7
4-Chlorophenyl-phenylether		0.720	0.702	0.696	0.640	0.606	0.653	8.1
Fluorene		1.417	1.403	1.389	1.267	1.194	1.294	8.5
4-Nitroaniline		0.295	0.303	0.303	0.259	0.227	0.263	14.7
4,6-Dinitro-2-methylphenol		0.105	0.115	0.132	0.130	0.131	0.125	8.9
n-Nitrosodiphenylamine		0.647	0.644	0.654	0.623	0.608	0.622	4.6
Azobenzene		1.147	1.152	1.145	1.061	1.012	1.082	6.3
2,4,6-Tribromophenol		0.248	0.243	0.244	0.230	0.219	0.233	5.1
4-Bromophenyl-phenylether		0.240	0.237	0.243	0.234	0.230	0.234	2.9
Hexachlorobenzene		0.270	0.268	0.273	0.258	0.253	0.260	4.2
Atrazine		0.154	0.173	0.182	0.178	0.172	0.172	5.6
Pentachlorophenol		0.113	0.119	0.139	0.140	0.142	0.135	9.9
Phenanthrene		1.103	1.059	1.063	0.993	0.957	1.006	7.2
Anthracene		1.087	1.057	1.075	0.981	0.958	1.003	7.0
Carbazole		1.019	0.998	0.999	0.908	0.879	0.932	8.0
Di-n-butylphthalate		1.200	1.180	1.190	1.097	1.060	1.113	7.4
Fluoranthene		1.224	1.166	1.157	1.025	0.973	1.061	11.5
Benzidine		0.125	0.171	0.262	0.216	0.191	0.192	23.8
Pyrene		1.617	1.640	1.814	1.790	1.689	1.699	5.2
Terphenyl-d14		1.388	1.397	1.488	1.441	1.334	1.383	5.8
Butylbenzylphthalate		0.607	0.615	0.661	0.635	0.600	0.617	4.4
3,3-Dichlorobenzidine		0.385	0.389	0.392	0.350	0.328	0.350	12.6

All other compounds must meet a minimum RRF of 0.010.



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF053124 SAS No.: BF053124 SDG No.: BF053124
Instrument ID: _____ Calibration Date(s): 5/31/2024 : _____
Calibration Time(s): 13:52 _____

LAB FILE ID:		RRF2.5 = BF138085.D			RRF005 = BF138086.D		RRF010 = BF138087.D	
		RRF020 = BF138088.D			RRF040 = BF138089.D		RRF050 = BF138090.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.368	1.324	1.367	1.311	1.252	1.306	4.0
Chrysene		1.310	1.260	1.274	1.227	1.173	1.233	4.3
Bis(2-ethylhexyl)phthalate		0.844	0.860	0.904	0.855	0.804	0.839	5.2
Di-n-octyl phthalate		1.272	1.199	1.260	1.222	1.206	1.230	2.4
Benzo(b)fluoranthene		1.285	1.270	1.313	1.171	1.191	1.232	5.0
Benzo(k)fluoranthene		1.311	1.261	1.220	1.177	1.071	1.171	8.4
Benzo(a)pyrene		1.064	1.031	1.091	1.018	0.992	1.030	3.6
Indeno(1,2,3-cd)pyrene		1.022	1.076	1.210	1.253	1.259	1.205	9.4
Dibenzo(a,h)anthracene		0.836	0.876	1.003	1.039	1.037	0.989	9.5
Benzo(g,h,i)perylene		0.838	0.879	1.013	1.046	1.064	1.005	10.4
1,2,4,5-Tetrachlorobenzene		0.585	0.584	0.595	0.571	0.546	0.568	4.0
1,4-Dioxane		0.523	0.500	0.496	0.482	0.475	0.486	4.6
2,3,4,6-Tetrachlorophenol		0.316	0.334	0.337	0.331	0.311	0.324	3.5
1-Methylnaphthalene		0.718	0.705	0.714	0.651	0.615	0.659	8.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF053124 SAS No.: BF053124 SDG NO.: BF053124

EPA Sample No.: SSTDICCC040 Date Analyzed: May 31 2024 12:00AM

Lab File ID: BF138089.D Time Analyzed: 13:00

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	124994	7.034	485392	8.32	272400	10.09
UPPER LIMIT	249988	7.534	970784	8.822	544800	10.586
LOWER LIMIT	62497	6.534	242696	7.822	136200	9.586
EPA SAMPLE NO.						
01 SSTDICCC040	105243	7.03	387471	8.32	218047	10.09
02 ICVBF053124	133128	7.03	513795	8.32	293771	10.09
03 PB161196BL	130362	7.03	514193	8.32	307535	10.08

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.: BF053124 SAS No.: BF053124 SDG NO.: BF053124

EPA Sample No.: SSTDICCC040 Date Analyzed: May 31 2024 12:00AM

Lab File ID: BF138089.D Time Analyzed: 18:12

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	124994	7.034	485392	8.32	272400	10.09
UPPER LIMIT	249988	7.534	970784	8.822	544800	10.586
LOWER LIMIT	62497	6.534	242696	7.822	136200	9.586
EPA SAMPLE NO.						
01 ICVBF053124	133128	7.03	513795	8.32	293771	10.09
02 PB161196BL	130362	7.03	514193	8.32	307535	10.08

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.: BF053124 SAS No.: BF053124 SDG NO.: BF053124

EPA Sample No.: SSTDICCC040 Date Analyzed: May 31 2024 12:00AM

Lab File ID: BF138089.D Time Analyzed: 13:00

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	462151	11.58	265633	14.239	246591	15.804
UPPER LIMIT	924302	12.08	531266	14.739	493182	16.304
LOWER LIMIT	231075.5	11.08	132816.5	13.739	123295.5	15.304
EPA SAMPLE NO.						
01 SSTDCCC040	361126	11.58	198548	14.23	206906	15.80
02 ICVBF053124	508587	11.58	297438	14.23	274685	15.80
03 PB161196BL	582869	11.58	457920	14.23	376480	15.80

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.: BF053124 SAS No.: BF053124 SDG NO.: BF053124

EPA Sample No.: SSTDICCC040 Date Analyzed: May 31 2024 12:00AM

Lab File ID: BF138089.D Time Analyzed: 18:12

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	462151	11.58	265633	14.239	246591	15.804
UPPER LIMIT	924302	12.08	531266	14.739	493182	16.304
LOWER LIMIT	231075.5	11.08	132816.5	13.739	123295.5	15.304
EPA SAMPLE NO.						
01 ICVBF053124	508587	11.58	297438	14.23	274685	15.80
02 PB161196BL	582869	11.58	457920	14.23	376480	15.80

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.

SSTDCCC040

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF053124

SAS No.: BF053124 SDG NO.: BF053124

Lab File ID: BF138084.D

Lab Sample ID: SSTDCCC040

Instrument ID: BNA_F

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 05/31/2024

Level: (low/med) LOW

Time Analyzed: 13:00

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SSTDCCC040	SSTDCCC040	BF138084.D	05/31/2024
ICVBF053124	SSTDICV040	BF138093.D	05/31/2024

COMMENTS: _____



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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161196BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF053124

SAS No.: BF053124 SDG NO.: BF053124

Lab File ID: BF138094.D

Lab Sample ID: PB161196BL

Instrument ID: BNA_F

Date Extracted: 05/30/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/31/2024

Level: (low/med) LOW

Time Analyzed: 18:41

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

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

COMMENTS:



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

Surrogate Summary

SW-846

SDG No.: BF053124

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDCCC040	SSTDCCC040	BF138084.D	2-Fluorophenol	150	79,005.00	52670	*	10	139
			Phenol-d6	150	77,018.00	51345	*	10	134
			Nitrobenzene-d5	100	80,397.00	80397	*	49	133
			2-Fluorobiphenyl	100	77,950.00	77950	*	52	132
			2,4,6-Tribromophenol	150	75,491.00	50327	*	32	145
			Terphenyl-d14	100	79,484.00	79484	*	36	145
SSTDICV040	ICVBF053124	BF138093.D	2-Fluorophenol	150	77,731.00	51821	*	10	139
			Phenol-d6	150	78,858.00	52572	*	10	134
			Nitrobenzene-d5	100	80,152.00	80152	*	49	133
			2-Fluorobiphenyl	100	76,175.00	76175	*	52	132
			2,4,6-Tribromophenol	150	77,902.00	51935	*	32	145
			Terphenyl-d14	100	81,188.00	81188	*	36	145



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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BF053124

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB161196BL	PB161196BL	BF138094.D	2-Fluorophenol	150	136.48	91		18	112
			Phenol-d6	150	128.75	86		15	107
			Nitrobenzene-d5	100	84.69	85		18	107
			2-Fluorobiphenyl	100	81.03	81		20	109
			2,4,6-Tribromophenol	150	132.63	88		10	110
			Terphenyl-d14	100	71.38	71		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF053124

Lab Code: CHEM

SAS No.: BF053124

SDG NO.: BF053124

Lab File ID: BF138083.D

DFTPP Injection Date: 05/31/2024

Instrument ID: BNA_F

DFTPP Injection Time: 12:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27
68	Less than 2.0% of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	28.2
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	41.5
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	6.2
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (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
SSTDCCC040	SSTDCCC040	BF138084.D	05/31/2024	13:00
SSTDICC2.5	SSTDICC2.5	BF138085.D	05/31/2024	13:52
SSTDICC005	SSTDICC005	BF138086.D	05/31/2024	14:20
SSTDICC010	SSTDICC010	BF138087.D	05/31/2024	14:49
SSTDICC020	SSTDICC020	BF138088.D	05/31/2024	15:18
SSTDICCC040	SSTDICCC040	BF138089.D	05/31/2024	15:47
SSTDICC050	SSTDICC050	BF138090.D	05/31/2024	16:16
SSTDICC060	SSTDICC060	BF138091.D	05/31/2024	16:45
SSTDICC080	SSTDICC080	BF138092.D	05/31/2024	17:14
ICVBF053124	SSTDICV040	BF138093.D	05/31/2024	18:12
PB161196BL	PB161196BL	BF138094.D	05/31/2024	18:41