

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF061224 SAS No.: BF061224 SDG No.: BF061224

Instrument ID: BNA_F Calibration Date/Time: 6/12/2024 1:13:37

Lab File ID: BF138191.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	0.602	0.628		4.319	
Pyridine	1.300	1.318		1.385	
2-Fluorophenol	1.196	1.228		2.676	
Benzaldehyde	0.805	0.776		-3.602	
Aniline	1.483	1.542		3.978	
Phenol-d6	1.516	1.558		2.77	
Phenol	1.539	1.592		3.444	20.0
bis(2-Chloroethyl) ether	1.231	1.257		2.112	
2-Chlorophenol	1.293	1.353		4.64	
1,2-Dichlorobenzene	1.388	1.440		3.746	
1,3-Dichlorobenzene	1.469	1.514		3.063	
1,4-Dichlorobenzene	1.478	1.520		2.842	20.0
Benzyl Alcohol	1.022	1.078		5.479	
2-Methylphenol	1.020	1.062		4.118	
2,2-oxybis(1-Chloropropane)	1.738	1.791		3.049	
Acetophenone	0.457	0.462		1.094	
3+4-Methylphenols	1.284	1.340		4.361	
n-Nitroso-di-n-propylamine	0.899	0.917	0.050	2.002	
Nitrobenzene-d5	0.344	0.360		4.651	
Hexachloroethane	0.501	0.522		4.192	
Nitrobenzene	0.355	0.369		3.944	
Isophorone	0.621	0.629		1.288	
2-Nitrophenol	0.143	0.159		11.189	20.0
2,4-Dimethylphenol	0.217	0.223		2.765	
bis(2-Chloroethoxy) methane	0.389	0.396		1.799	
2,4-Dichlorophenol	0.280	0.291		3.929	20.0
1,2,4-Trichlorobenzene	0.330	0.339		2.727	
Benzoic acid	0.191	0.193		1.047	
Naphthalene	0.989	1.012		2.326	
4-Chloroaniline	0.370	0.373		0.811	
Hexachlorobutadiene	0.193	0.198		2.591	20.0
Caprolactam	0.084	0.088		4.762	
4-Chloro-3-methylphenol	0.278	0.285		2.518	20.0
2-Methylnaphthalene	0.649	0.662		2.003	
Hexachlorocyclopentadiene	0.191	0.207	0.050	8.377	
2,4,6-Trichlorophenol	0.366	0.388		6.011	20.0
2-Fluorobiphenyl	1.258	1.247		-0.874	
2,4,5-Trichlorophenol	0.402	0.418		3.98	
1,1-Biphenyl	1.468	1.483		1.022	

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF061224 SAS No.: BF061224 SDG No.: BF061224

Instrument ID: BNA_F Calibration Date/Time: 6/12/2024 1:13:37

Lab File ID: BF138191.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	1.160	1.174		1.207	
2-Nitroaniline	0.279	0.307		10.036	
Dimethylphthalate	1.225	1.240		1.224	
Acenaphthylene	1.626	1.658		1.968	
2,6-Dinitrotoluene	0.266	0.288		8.271	
3-Nitroaniline	0.284	0.305		7.394	
Acenaphthene	1.109	1.132		2.074	20.0
2,4-Dinitrophenol	0.104	0.107	0.050	2.885	
4-Nitrophenol	0.224	0.245	0.050	9.375	
Dibenzofuran	1.550	1.587		2.387	
2,4-Dinitrotoluene	0.328	0.360		9.756	
Diethylphthalate	1.163	1.188		2.15	
4-Chlorophenyl-phenylether	0.607	0.613		0.988	
Fluorene	1.219	1.227		0.656	
4-Nitroaniline	0.284	0.303		6.69	
4,6-Dinitro-2-methylphenol	0.090	0.095		5.556	
n-Nitrosodiphenylamine	0.612	0.625		2.124	20.0
Azobenzene	1.165	1.174		0.773	
2,4,6-Tribromophenol	0.199	0.210		5.528	
4-Bromophenyl-phenylether	0.225	0.232		3.111	
Hexachlorobenzene	0.263	0.269		2.281	
Atrazine	0.174	0.177		1.724	
Pentachlorophenol	0.153	0.167		9.15	20.0
Phenanthrene	0.989	1.004		1.517	
Anthracene	0.982	1.003		2.138	
Carbazole	0.901	0.920		2.109	
Di-n-butylphthalate	0.932	0.966		3.648	
Fluoranthene	1.009	1.027		1.784	20.0
Benzidine	0.231	0.406		75.758	
Pyrene	1.725	1.842		6.783	
Terphenyl-d14	1.263	1.318		4.355	
Butylbenzylphthalate	0.469	0.525		11.94	
3,3-Dichlorobenzidine	0.353	0.365		3.399	
Benzo(a)anthracene	1.283	1.317		2.65	
Chrysene	1.223	1.251		2.289	
Bis(2-ethylhexyl)phthalate	0.546	0.589		7.875	
Di-n-octyl phthalate	0.811	0.818		0.863	20.0
Benzo(b)fluoranthene	1.179	1.172		-0.594	
Benzo(k)fluoranthene	1.156	1.153		-0.26	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BF061224 SAS No.: BF061224 SDG No.: BF061224
 Instrument ID: BNA_F Calibration Date/Time: 6/12/2024 1:13:37
 Lab File ID: BF138191.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	1.013	1.044		3.06	20.0
Indeno(1,2,3-cd)pyrene	1.304	1.492		14.417	
Dibenzo(a,h)anthracene	1.070	1.223		14.299	
Benzo(g,h,i)perylene	1.107	1.273		14.995	
1,2,4,5-Tetrachlorobenzene	0.584	0.597		2.226	
1,4-Dioxane	0.547	0.563		2.925	20.0
2,3,4,6-Tetrachlorophenol	0.314	0.330		5.096	
1-Methylnaphthalene	0.636	0.645		1.415	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBF061224	SDG No.:	BF061224
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
BF138195.D	1		6/12/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	41500		1000	8000	10000	ug/L
110-86-1	Pyridine	41700		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	41500		4000	8000	10000	ug/L
62-53-3	Aniline	43000		1600	4000	5000	ug/L
108-95-2	Phenol	42300		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	41600		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	42300		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	41800		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	41800		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	42000		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	43100		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	42500		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41700		1400	4000	5000	ug/L
98-86-2	Acetophenone	40600		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	42900		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42300		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	42800		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	42100		1300	4000	5000	ug/L
78-59-1	Isophorone	41300		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	48900		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	42200		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41300		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	42000		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	40900		1100	4000	5000	ug/L
65-85-0	Benzoic acid	47900		5500	8000	10000	ug/L
91-20-3	Naphthalene	40800		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	41300		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	40500		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF061224			SDG No.:	BF061224		
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
BF138195.D	1		6/12/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	44500		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	42400		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	41200		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	43300		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	42600		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	41800		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	40400		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	40200		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	46000		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	41000		930	4000	5000	ug/L
208-96-8	Acenaphthylene	40800		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	45500		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	44600		1400	4000	5000	ug/L
83-32-9	Acenaphthene	41200		810	4000	5000	ug/L
Total PAH	Total PAH	654900		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	46900		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	46300		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	40400		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	46800		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	42300		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	41200		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	40500		980	4000	5000	ug/L
86-73-7	Fluorene	40500		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	44500		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	43700		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	40600		890	4000	5000	ug/L
103-33-3	Azobenzene	41000		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	41300		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	40800		1100	4000	5000	ug/L
1912-24-9	Atrazine	40900		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF061224			SDG No.:	BF061224		
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
BF138195.D	1		6/12/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	44900		1900	8000	10000	ug/L
85-01-8	Phenanthrene	40600		890	4000	5000	ug/L
120-12-7	Anthracene	40600		1100	4000	5000	ug/L
86-74-8	Carbazole	41200		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	43500		1500	4000	5000	ug/L
206-44-0	Fluoranthene	42100		1300	4000	5000	ug/L
92-87-5	Benzidine	71800		4100	8000	10000	ug/L
129-00-0	Pyrene	38900		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	47300		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	41400		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	40700		940	4000	5000	ug/L
218-01-9	Chrysene	39800		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48500		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	43400		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	44500		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	39900		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	41800		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	40700		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	41000		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	40400		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	41500		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	42500		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	41100		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	83309	*	10-139		55539	SPK: -150
13127-88-3	Phenol-d6	83481	*	10-134		55654	SPK: -150
4165-60-0	Nitrobenzene-d5	85206	*	49-133		85206	SPK: -100
321-60-8	2-Fluorobiphenyl	78641	*	52-132		78641	SPK: -100

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF061224			SDG No.:	BF061224		
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
BF138195.D	1		6/12/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	86946	*	32-145		57964	SPK: -150
1718-51-0	Terphenyl-d14	74941	*	36-145		74941	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	338095	6.893				
1146-65-2	Naphthalene-d8	1314905	8.175				
15067-26-2	Acenaphthene-d10	720851	9.928				
1517-22-2	Phenanthrene-d10	1242199	11.416				
1719-03-5	Chrysene-d12	807807	14.051				
1520-96-3	Perylene-d12	690227	15.521				



Client:			Date Collected:	6/8/2024 12:00:00 AM	
Project:			Date Received:	6/8/2024 12:00:00 AM	
Client Sample ID:	PB161404BL		SDG No.:	BF061224	
Lab Sample ID:	PB161404BL		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
BF138196.D	1	6/8/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161404

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:	6/8/2024 12:00:00 AM
Project:		Date Received:	6/8/2024 12:00:00 AM
Client Sample ID:	PB161404BL	SDG No.:	BF061224
Lab Sample ID:	PB161404BL	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
BF138196.D	1	6/8/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161404

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:	6/8/2024 12:00:00 AM
Project:		Date Received:	6/8/2024 12:00:00 AM
Client Sample ID:	PB161404BL	SDG No.:	BF061224
Lab Sample ID:	PB161404BL	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
BF138196.D	1	6/8/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161404

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	114.557		18-112		76	SPK: -150
13127-88-3	Phenol-d6	111.751		15-107		75	SPK: -150
4165-60-0	Nitrobenzene-d5	78.247		18-107		78	SPK: -100
321-60-8	2-Fluorobiphenyl	73.325		20-109		73	SPK: -100

Report of Analysis

Client:		Date Collected:	6/8/2024 12:00:00 AM
Project:		Date Received:	6/8/2024 12:00:00 AM
Client Sample ID:	PB161404BL	SDG No.:	BF061224
Lab Sample ID:	PB161404BL	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
BF138196.D	1	6/8/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161404

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	121.123		10-110		81	SPK: -150
1718-51-0	Terphenyl-d14	61.843		14-112		62	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	393689	6.892				
1146-65-2	Naphthalene-d8	1531964	8.175				
15067-26-2	Acenaphthene-d10	852708	9.928				
1517-22-2	Phenanthrene-d10	1574865	11.41				
1719-03-5	Chrysene-d12	1230429	14.045				
1520-96-3	Perylene-d12	1120003	15.521				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	74.3	J			2.275	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A			5.14	
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	97.3	J			17.174	

Report of Analysis

Client:		Date Collected:	6/8/2024 12:00:00 AM
Project:		Date Received:	6/8/2024 12:00:00 AM
Client Sample ID:	PB161404BS	SDG No.:	BF061224
Lab Sample ID:	PB161404BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138197.D	1	6/8/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161404

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		86.7	270	330	ug/Kg
110-86-1	Pyridine	1100		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	1200		180	270	330	ug/Kg
62-53-3	Aniline	900		96.8	130	170	ug/Kg
108-95-2	Phenol	1500		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1300		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1300		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1500		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1500		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1300		90.7	130	170	ug/Kg
78-59-1	Isophorone	1400		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1700		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1300		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1600		240	270	330	ug/Kg
91-20-3	Naphthalene	1300		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	680		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1300		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	6/8/2024 12:00:00 AM
Project:		Date Received:	6/8/2024 12:00:00 AM
Client Sample ID:	PB161404BS	SDG No.:	BF061224
Lab Sample ID:	PB161404BS	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
BF138197.D	1	6/8/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161404

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1600		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3400	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1300		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1300		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1400		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81	130	170	ug/Kg
Total PAH	Total PAH	23400		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2900	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3200	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3100		169.2	130	340	ug/Kg
84-66-2	Diethylphthalate	1400		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		85.5	130	170	ug/Kg
86-73-7	Fluorene	1300		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1400		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	6/8/2024 12:00:00 AM
Project:		Date Received:	6/8/2024 12:00:00 AM
Client Sample ID:	PB161404BS	SDG No.:	BF061224
Lab Sample ID:	PB161404BS	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
BF138197.D	1	6/8/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161404

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2800	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1400		83.9	130	170	ug/Kg
120-12-7	Anthracene	1400		84.3	130	170	ug/Kg
86-74-8	Carbazole	1400		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	130	170	ug/Kg
92-87-5	Benzidine	290	J	160	270	330	ug/Kg
129-00-0	Pyrene	1400		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		80.6	130	170	ug/Kg
218-01-9	Chrysene	1400		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1300		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	115.125		18-112		77	SPK: -150
13127-88-3	Phenol-d6	116.273		15-107		78	SPK: -150
4165-60-0	Nitrobenzene-d5	78.921		18-107		79	SPK: -100
321-60-8	2-Fluorobiphenyl	73.672		20-109		74	SPK: -100

Report of Analysis

Client:		Date Collected:	6/8/2024 12:00:00 AM
Project:		Date Received:	6/8/2024 12:00:00 AM
Client Sample ID:	PB161404BS	SDG No.:	BF061224
Lab Sample ID:	PB161404BS	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
BF138197.D	1	6/8/2024 12:00:00 AM	6/12/2024 12:00:00 AM	PB161404

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	122.009		10-110		81	SPK: -150
1718-51-0	Terphenyl-d14	74.984		14-112		75	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	406946	6.893				
1146-65-2	Naphthalene-d8	1618370	8.175				
15067-26-2	Acenaphthene-d10	898450	9.928				
1517-22-2	Phenanthrene-d10	1546432	11.416				
1719-03-5	Chrysene-d12	939838	14.051				
1520-96-3	Perylene-d12	784839	15.521				

Hit Summary Sheet SW-846

SDG No.: BF061224

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : ICVBF061224								
SSTDICV040	ICVBF061224	Water	1,1-Biphenyl	40,400.000	910		5000	ug/L
SSTDICV040	ICVBF061224	Water	1,2,4,5-Tetrachlorobenzene	40,400.000	1100		5000	ug/L
SSTDICV040	ICVBF061224	Water	1,2,4-Trichlorobenzene	40,900.000	1100		5000	ug/L
SSTDICV040	ICVBF061224	Water	1,2-Dichlorobenzene	41,800.000	880		5000	ug/L
SSTDICV040	ICVBF061224	Water	1,3-Dichlorobenzene	41,800.000	800		5000	ug/L
SSTDICV040	ICVBF061224	Water	1,4-Dichlorobenzene	42,000.000	840		5000	ug/L
SSTDICV040	ICVBF061224	Water	1,4-Dioxane	41,500.000	1300		5000	ug/L
SSTDICV040	ICVBF061224	Water	1-Methylnaphthalene	41,100.000	860		5000	ug/L
SSTDICV040	ICVBF061224	Water	2,2-oxybis(1-Chloropropane)	41,700.000	1400		5000	ug/L
SSTDICV040	ICVBF061224	Water	2,3,4,6-Tetrachlorophenol	42,500.000	790		5000	ug/L
SSTDICV040	ICVBF061224	Water	2,4,5-Trichlorophenol	41,800.000	1000		5000	ug/L
SSTDICV040	ICVBF061224	Water	2,4,6-Trichlorophenol	42,600.000	890		5000	ug/L
SSTDICV040	ICVBF061224	Water	2,4-Dichlorophenol	42,000.000	880		5000	ug/L
SSTDICV040	ICVBF061224	Water	2,4-Dimethylphenol	42,200.000	1500		5000	ug/L
SSTDICV040	ICVBF061224	Water	2,4-Dinitrophenol	46,900.000	6400		10000	ug/L
SSTDICV040	ICVBF061224	Water	2,4-Dinitrotoluene	46,800.000	1500		5000	ug/L
SSTDICV040	ICVBF061224	Water	2,6-Dinitrotoluene	45,500.000	1200		5000	ug/L
SSTDICV040	ICVBF061224	Water	2-Chloronaphthalene	40,200.000	970		5000	ug/L
SSTDICV040	ICVBF061224	Water	2-Chlorophenol	42,300.000	710		5000	ug/L
SSTDICV040	ICVBF061224	Water	2-Methylnaphthalene	41,200.000	1100		5000	ug/L
SSTDICV040	ICVBF061224	Water	2-Methylphenol	42,500.000	1100		5000	ug/L
SSTDICV040	ICVBF061224	Water	2-Nitroaniline	46,000.000	1400		5000	ug/L
SSTDICV040	ICVBF061224	Water	2-Nitrophenol	48,900.000	2000		5000	ug/L
SSTDICV040	ICVBF061224	Water	3+4-Methylphenols	42,900.000	1200		10000	ug/L
SSTDICV040	ICVBF061224	Water	3,3-Dichlorobenzidine	41,400.000	1300		10000	ug/L
SSTDICV040	ICVBF061224	Water	3-Nitroaniline	44,600.000	1400		5000	ug/L
SSTDICV040	ICVBF061224	Water	4,6-Dinitro-2-methylphenol	43,700.000	3100		10000	ug/L
SSTDICV040	ICVBF061224	Water	4-Bromophenyl-phenylether	41,300.000	950		5000	ug/L
SSTDICV040	ICVBF061224	Water	4-Chloro-3-methylphenol	42,400.000	840		5000	ug/L
SSTDICV040	ICVBF061224	Water	4-Chloroaniline	41,300.000	1300		5000	ug/L
SSTDICV040	ICVBF061224	Water	4-Chlorophenyl-phenylether	40,500.000	980		5000	ug/L
SSTDICV040	ICVBF061224	Water	4-Nitroaniline	44,500.000	2000		5000	ug/L
SSTDICV040	ICVBF061224	Water	4-Nitrophenol	46,300.000	2000		10000	ug/L
SSTDICV040	ICVBF061224	Water	Acenaphthene	41,200.000	810		5000	ug/L
SSTDICV040	ICVBF061224	Water	Acenaphthylene	40,800.000	1000		5000	ug/L
SSTDICV040	ICVBF061224	Water	Acetophenone	40,600.000	1100		5000	ug/L
SSTDICV040	ICVBF061224	Water	Aniline	43,000.000	1600		5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BF061224

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF061224	Water	Anthracene	40,600.000		1100	5000	ug/L
SSTDICV040	ICVBF061224	Water	Atrazine	40,900.000		1300	5000	ug/L
SSTDICV040	ICVBF061224	Water	Azobenzene	41,000.000		1200	5000	ug/L
SSTDICV040	ICVBF061224	Water	Benzaldehyde	41,500.000		4000	10000	ug/L
SSTDICV040	ICVBF061224	Water	Benzidine	71,800.000		4100	10000	ug/L
SSTDICV040	ICVBF061224	Water	Benzo(a)anthracene	40,700.000		940	5000	ug/L
SSTDICV040	ICVBF061224	Water	Benzo(a)pyrene	41,800.000		1700	5000	ug/L
SSTDICV040	ICVBF061224	Water	Benzo(b)fluoranthene	44,500.000		1100	5000	ug/L
SSTDICV040	ICVBF061224	Water	Benzo(g,h,i)perylene	41,000.000		1200	5000	ug/L
SSTDICV040	ICVBF061224	Water	Benzo(k)fluoranthene	39,900.000		1200	5000	ug/L
SSTDICV040	ICVBF061224	Water	Benzoic acid	47,900.000		5500	10000	ug/L
SSTDICV040	ICVBF061224	Water	Benzyl Alcohol	43,100.000		1600	10000	ug/L
SSTDICV040	ICVBF061224	Water	bis(2-Chloroethoxy)methane	41,300.000		1000	5000	ug/L
SSTDICV040	ICVBF061224	Water	bis(2-Chloroethyl)ether	41,600.000		1200	5000	ug/L
SSTDICV040	ICVBF061224	Water	Bis(2-ethylhexyl)phthalate	48,500.000		1900	5000	ug/L
SSTDICV040	ICVBF061224	Water	Butylbenzylphthalate	47,300.000		2100	5000	ug/L
SSTDICV040	ICVBF061224	Water	Caprolactam	44,500.000		1700	10000	ug/L
SSTDICV040	ICVBF061224	Water	Carbazole	41,200.000		1200	5000	ug/L
SSTDICV040	ICVBF061224	Water	Chrysene	39,800.000		860	5000	ug/L
SSTDICV040	ICVBF061224	Water	Di-n-butylphthalate	43,500.000		1500	5000	ug/L
SSTDICV040	ICVBF061224	Water	Di-n-octyl phthalate	43,400.000		2500	10000	ug/L
SSTDICV040	ICVBF061224	Water	Dibenzo(a,h)anthracene	41,000.000		1200	5000	ug/L
SSTDICV040	ICVBF061224	Water	Dibenzofuran	40,400.000		930	5000	ug/L
SSTDICV040	ICVBF061224	Water	Diethylphthalate	41,200.000		1000	5000	ug/L
SSTDICV040	ICVBF061224	Water	Dimethylphthalate	41,000.000		930	5000	ug/L
SSTDICV040	ICVBF061224	Water	Fluoranthene	42,100.000		1300	5000	ug/L
SSTDICV040	ICVBF061224	Water	Fluorene	40,500.000		960	5000	ug/L
SSTDICV040	ICVBF061224	Water	Hexachlorobenzene	40,800.000		1100	5000	ug/L
SSTDICV040	ICVBF061224	Water	Hexachlorobutadiene	40,500.000		1300	5000	ug/L
SSTDICV040	ICVBF061224	Water	Hexachlorocyclopentadiene	43,300.000		5000	10000	ug/L
SSTDICV040	ICVBF061224	Water	Hexachloroethane	42,800.000		1000	5000	ug/L
SSTDICV040	ICVBF061224	Water	Indeno(1,2,3-cd)pyrene	40,700.000		1000	5000	ug/L
SSTDICV040	ICVBF061224	Water	Isophorone	41,300.000		1100	5000	ug/L
SSTDICV040	ICVBF061224	Water	n-Nitroso-di-n-propylamine	42,300.000		1500	2500	ug/L
SSTDICV040	ICVBF061224	Water	n-Nitrosodimethylamine	41,500.000		1000	10000	ug/L
SSTDICV040	ICVBF061224	Water	n-Nitrosodiphenylamine	40,600.000		890	5000	ug/L
SSTDICV040	ICVBF061224	Water	Naphthalene	40,800.000		1000	5000	ug/L
SSTDICV040	ICVBF061224	Water	Nitrobenzene	42,100.000		1300	5000	ug/L
SSTDICV040	ICVBF061224	Water	Pentachlorophenol	44,900.000		1900	10000	ug/L
SSTDICV040	ICVBF061224	Water	Phenanthrene	40,600.000		890	5000	ug/L



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

Hit Summary Sheet
SW-846

SDG No.: BF061224

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF061224	Water	Phenol	42,300.000		930	5000	ug/L
SSTDICV040	ICVBF061224	Water	Pyrene	38,900.000		1100	5000	ug/L
SSTDICV040	ICVBF061224	Water	Pyridine	41,700.000		1600	5000	ug/L
SSTDICV040	ICVBF061224	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	92,300.000		2700	10000	ug/L
SSTDICV040	ICVBF061224	Water	Total PAH	654,900.000		17360	80000	ug/L
Total Svoc :				4,161,800.00				
Total Concentration:				4,161,800.00				

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF061224 SAS No.: BF061224 SDG No.: BF061224

Instrument ID: _____ Calibration Date(s): 6/12/2024 : _____

Calibration Time(s): 11:41 _____

LAB FILE ID:		RRF2.5 = BF138187.D			RRF005 = BF138188.D		RRF010 = BF138189.D	
		RRF020 = BF138190.D			RRF040 = BF138191.D		RRF050 = BF138192.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.615	0.593	0.629	0.628	0.581	0.602	3.8
Pyridine		1.345	1.345	1.383	1.318	1.238	1.300	4.8
2-Fluorophenol		1.269	1.259	1.297	1.228	1.133	1.196	7.5
Benzaldehyde			1.000	0.931	0.776	0.676	0.805	19.4
Aniline		1.553	1.504	1.568	1.542	1.422	1.483	5.1
Phenol-d6		1.637	1.601	1.615	1.558	1.431	1.516	7.6
Phenol		1.591	1.584	1.646	1.592	1.476	1.539	5.7
bis(2-Chloroethyl)ether		1.311	1.262	1.279	1.257	1.165	1.231	5.6
2-Chlorophenol		1.353	1.338	1.376	1.353	1.238	1.293	6.5
1,2-Dichlorobenzene		1.519	1.483	1.520	1.440	1.297	1.388	9.9
1,3-Dichlorobenzene		1.594	1.546	1.563	1.514	1.388	1.469	7.7
1,4-Dichlorobenzene		1.619	1.567	1.573	1.520	1.396	1.478	8.3
Benzyl Alcohol		1.038	1.042	1.096	1.078	0.982	1.022	5.7
2-Methylphenol		1.051	1.034	1.074	1.062	0.962	1.020	4.7
2,2-oxybis(1-Chloropropane)		1.841	1.819	1.833	1.791	1.644	1.738	6.3
Acetophenone		0.501	0.493	0.499	0.462	0.427	0.457	9.5
3+4-Methylphenols		1.396	1.392	1.410	1.340	1.207	1.284	10.5
n-Nitroso-di-n-propylamine	0.921	0.954	0.957	0.947	0.917	0.841	0.899	6.6
Nitrobenzene-d5		0.329	0.341	0.364	0.360	0.338	0.344	4.2
Hexachloroethane		0.501	0.505	0.530	0.522	0.486	0.501	4.4
Nitrobenzene		0.350	0.353	0.374	0.369	0.345	0.355	4.0
Isophorone		0.646	0.641	0.648	0.629	0.587	0.621	4.2
2-Nitrophenol		0.094	0.115	0.142	0.159	0.157	0.143	19.6
2,4-Dimethylphenol		0.219	0.217	0.230	0.223	0.209	0.217	3.6
bis(2-Chloroethoxy)methane		0.411	0.401	0.411	0.396	0.369	0.389	5.6
2,4-Dichlorophenol		0.269	0.281	0.295	0.291	0.273	0.280	3.7
1,2,4-Trichlorobenzene		0.351	0.345	0.349	0.339	0.312	0.330	6.7
Benzoic acid			0.132	0.172	0.193	0.202	0.191	18.5
Naphthalene		1.103	1.074	1.073	1.012	0.924	0.989	10.6
4-Chloroaniline		0.382	0.383	0.386	0.373	0.348	0.370	4.3
Hexachlorobutadiene		0.207	0.199	0.204	0.198	0.184	0.193	6.4
Caprolactam		0.078	0.085	0.088	0.088	0.080	0.084	4.7
4-Chloro-3-methylphenol		0.279	0.286	0.292	0.285	0.266	0.278	3.6
2-Methylnaphthalene		0.721	0.703	0.698	0.662	0.603	0.649	9.8
Hexachlorocyclopentadiene		0.152	0.169	0.197	0.207	0.208	0.191	11.3
2,4,6-Trichlorophenol		0.336	0.361	0.383	0.388	0.371	0.366	5.1

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.: BF061224 SAS No.: BF061224 SDG No.: BF061224
Instrument ID: _____ Calibration Date(s): 6/12/2024 : _____
Calibration Time(s): 11:41 _____

LAB FILE ID:		RRF2.5 = BF138187.D		RRF005 = BF138188.D		RRF010 = BF138189.D		
		RRF020 = BF138190.D		RRF040 = BF138191.D		RRF050 = BF138192.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.531	1.465	1.430	1.247	1.127	1.258	17.8
2,4,5-Trichlorophenol		0.385	0.403	0.423	0.418	0.399	0.402	3.8
1,1-Biphenyl		1.629	1.601	1.607	1.483	1.400	1.468	10.7
2-Chloronaphthalene		1.258	1.247	1.253	1.174	1.099	1.160	8.7
2-Nitroaniline		0.210	0.249	0.288	0.307	0.295	0.279	13.0
Dimethylphthalate		1.318	1.292	1.305	1.240	1.153	1.225	7.0
Acenaphthylene		1.748	1.746	1.763	1.658	1.552	1.626	8.7
2,6-Dinitrotoluene		0.212	0.250	0.277	0.288	0.274	0.266	10.1
3-Nitroaniline		0.244	0.276	0.293	0.305	0.285	0.284	7.1
Acenaphthene		1.192	1.174	1.191	1.132	1.055	1.109	7.7
2,4-Dinitrophenol			0.062	0.083	0.107	0.109	0.104	26.2
4-Nitrophenol		0.174	0.211	0.235	0.245	0.224	0.224	11.3
Dibenzofuran		1.724	1.680	1.674	1.587	1.447	1.550	10.1
2,4-Dinitrotoluene		0.241	0.293	0.345	0.360	0.336	0.328	13.9
Diethylphthalate		1.238	1.240	1.258	1.188	1.083	1.163	7.8
4-Chlorophenyl-phenylether		0.688	0.671	0.661	0.613	0.562	0.607	11.5
Fluorene		1.390	1.351	1.343	1.227	1.119	1.219	12.3
4-Nitroaniline		0.252	0.289	0.299	0.303	0.268	0.284	6.3
4,6-Dinitro-2-methylphenol			0.055	0.076	0.095	0.096	0.090	23.2
n-Nitrosodiphenylamine		0.647	0.635	0.651	0.625	0.602	0.612	6.6
Azobenzene		1.251	1.254	1.249	1.174	1.092	1.165	7.9
2,4,6-Tribromophenol		0.193	0.205	0.215	0.210	0.192	0.199	5.7
4-Bromophenyl-phenylether		0.227	0.226	0.238	0.232	0.223	0.225	4.0
Hexachlorobenzene		0.275	0.273	0.278	0.269	0.259	0.263	6.0
Atrazine		0.181	0.189	0.189	0.177	0.162	0.174	7.6
Pentachlorophenol		0.122	0.143	0.163	0.167	0.158	0.153	10.2
Phenanthrene		1.101	1.069	1.078	1.004	0.926	0.989	10.3
Anthracene		1.079	1.058	1.075	1.003	0.921	0.982	10.0
Carbazole		0.992	0.987	0.983	0.920	0.819	0.901	10.4
Di-n-butylphthalate		0.939	1.021	1.038	0.966	0.852	0.932	9.0
Fluoranthene		1.121	1.154	1.126	1.027	0.872	1.009	13.1
Benzidine		0.200	0.142	0.236	0.406	0.254	0.231	42.3
Pyrene		1.736	1.571	1.840	1.842	1.741	1.725	6.4
Terphenyl-d14		1.406	1.259	1.400	1.318	1.217	1.263	9.9
Butylbenzylphthalate		0.344	0.415	0.490	0.525	0.473	0.469	14.3
3,3-Dichlorobenzidine		0.355	0.407	0.383	0.365	0.336	0.353	10.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF061224 SAS No.: BF061224 SDG No.: BF061224
Instrument ID: _____ Calibration Date(s): 6/12/2024 : _____
Calibration Time(s): 11:41 _____

LAB FILE ID:		RRF2.5 = BF138187.D			RRF005 = BF138188.D		RRF010 = BF138189.D	
		RRF020 = BF138190.D			RRF040 = BF138191.D		RRF050 = BF138192.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.355	1.332	1.358	1.317	1.237	1.283	6.1
Chrysene		1.282	1.265	1.300	1.251	1.188	1.223	5.8
Bis(2-ethylhexyl)phthalate		0.402	0.547	0.551	0.589	0.561	0.546	12.1
Di-n-octyl phthalate			0.676	0.677	0.818	0.922	0.811	13.5
Benzo(b)fluoranthene		1.231	1.223	1.311	1.172	1.082	1.179	7.3
Benzo(k)fluoranthene		1.271	1.279	1.214	1.153	1.077	1.156	8.8
Benzo(a)pyrene		1.000	1.015	1.058	1.044	0.985	1.013	3.0
Indeno(1,2,3-cd)pyrene		0.995	1.011	1.395	1.492	1.408	1.304	16.0
Dibenzo(a,h)anthracene		0.834	0.828	1.155	1.223	1.157	1.070	15.6
Benzo(g,h,i)perylene		0.837	0.840	1.193	1.273	1.196	1.107	16.8
1,2,4,5-Tetrachlorobenzene		0.621	0.608	0.626	0.597	0.569	0.584	7.0
1,4-Dioxane		0.559	0.559	0.573	0.563	0.526	0.547	4.0
2,3,4,6-Tetrachlorophenol		0.294	0.320	0.335	0.330	0.303	0.314	5.0
1-Methylnaphthalene		0.714	0.689	0.693	0.645	0.591	0.636	10.6

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.: BF061224 SAS No.: BF061224 SDG NO.: BF061224

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

Lab File ID: BF138191.D Time Analyzed: 15:42

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	340504	6.893	1.29686e+04	8.18	696204	9.93
UPPER LIMIT	681008	7.393	2593720	8.675	1392408	10.428
LOWER LIMIT	170252	6.393	648430	7.675	348102	9.428
EPA SAMPLE NO.						
01 ICVBF061224	338095	6.89	1.31491e	8.18	720851	9.93
02 PB161404BL	393689	6.89	1.53196e	8.18	852708	9.93
03 PB161404BS	406946	6.89	1.61837e	8.18	898450	9.93

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.: BF061224 SAS No.: BF061224 SDG NO.: BF061224

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

Lab File ID: BF138191.D Time Analyzed: 15:42

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	340504	6.893	1.29686e+04	8.18	696204	9.93
UPPER LIMIT	681008	7.393	2593720	8.675	1392408	10.428
LOWER LIMIT	170252	6.393	648430	7.675	348102	9.428
EPA SAMPLE NO.						
01 ICVBF061224	338095	6.89	1.31491e	8.18	720851	9.93
02 PB161404BL	393689	6.89	1.53196e	8.18	852708	9.93
03 PB161404BS	406946	6.89	1.61837e	8.18	898450	9.93

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.: BF061224 SAS No.: BF061224 SDG NO.: BF061224

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

Lab File ID: BF138191.D Time Analyzed: 15:42

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	1.18359e+0	11.416	674197	14.051	644245	15.521
UPPER LIMIT	2367180	11.916	1348394	14.551	1288490	16.021
LOWER LIMIT	591795	10.916	337098.5	13.551	322122.5	15.021
EPA SAMPLE NO.						
01 ICVBF061224	1.2422e	11.42	807807	14.05	690227	15.52
02 PB161404BL	1.57487	11.41	1.23043e+	14.05	1.12e+006	15.52
03 PB161404BS	1.54643	11.42	939838	14.05	784839	15.52

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.: BF061224 SAS No.: BF061224 SDG NO.: BF061224

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

Lab File ID: BF138191.D Time Analyzed: 15:42

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	1.18359e+0	11.416	674197	14.051	644245	15.521
UPPER LIMIT	2367180	11.916	1348394	14.551	1288490	16.021
LOWER LIMIT	591795	10.916	337098.5	13.551	322122.5	15.021
EPA SAMPLE NO.						
01 ICVBF061224	1.2422e	11.42	807807	14.05	690227	15.52
02 PB161404BL	1.57487	11.41	1.23043e+	14.05	1.12e+006	15.52
03 PB161404BS	1.54643	11.42	939838	14.05	784839	15.52

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.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF061224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB161404BS	n-Nitrosodimethylamine	1700	1400	ug/Kg	82				57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700	1200	ug/Kg	71				10	147	
	Aniline	1700	900	ug/Kg	53				38	100	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	1,2-Dichlorobenzene	1700	1400	ug/Kg	82				51	102	
	1,3-Dichlorobenzene	1700	1300	ug/Kg	76				52	99	
	1,4-Dichlorobenzene	1700	1300	ug/Kg	76				52	100	
	Benzyl Alcohol	1700	1500	ug/Kg	88				42	116	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1300	ug/Kg	76				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				67	119	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	1,2,4-Trichlorobenzene	1700	1300	ug/Kg	76				44	110	
	Benzoic acid	1700	1600	ug/Kg	94				10	140	
	Naphthalene	1700	1300	ug/Kg	76				62	100	
	4-Chloroaniline	1700	680	ug/Kg	40				16	100	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3400	ug/Kg	103				45	134	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1300	ug/Kg	76				57	103	
	2-Chloronaphthalene	1700	1300	ug/Kg	76				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1400	ug/Kg	82				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	23400	ug/Kg	86				57	104	
	2,4-Dinitrophenol	3300	2900	ug/Kg	88				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF061224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161404BS	4-Nitrophenol	3300	3200	ug/Kg	97				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	2,4-Dinitrotoluene/2,6-Dinitrotolc	3400	3100	ug/Kg	91				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				58	98	
	Fluorene	1700	1300	ug/Kg	76				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107	
	Azobenzene	1700	1400	ug/Kg	82				54	103	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				55	99	
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1600	ug/Kg	94				67	113	
	Pentachlorophenol	3300	2800	ug/Kg	85				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Benzidine	3300	290	ug/Kg	9		*		10	98	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				42	91	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				63	111	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1300	ug/Kg	76				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1300	ug/Kg	76				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBF061224

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF061224

SAS No.: BF061224 SDG NO.: BF061224

Lab File ID: BF138195.D

Lab Sample ID: SSTDICV040

Instrument ID: BNA_F

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 06/12/2024

Level: (low/med) LOW

Time Analyzed: 15:42

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBF061224	SSTDICV040	BF138195.D	06/12/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161404BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF061224

SAS No.: BF061224 SDG NO.: BF061224

Lab File ID: BF138196.D

Lab Sample ID: PB161404BL

Instrument ID: BNA_F

Date Extracted: 06/08/2024

Matrix: (soil/water) Solid

Date Analyzed: 06/12/2024

Level: (low/med) LOW

Time Analyzed: 16:18

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161404BS	PB161404BS	BF138197.D	06/12/2024

COMMENTS: _____



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

Surrogate Summary

SW-846

SDG No.: BF061224

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV040	ICVBF061224	BF138195.D	2-Fluorophenol	150	83,309.00	55539	*	10	139
			Phenol-d6	150	83,481.00	55654	*	10	134
			Nitrobenzene-d5	100	85,206.00	85206	*	49	133
			2-Fluorobiphenyl	100	78,641.00	78641	*	52	132
			2,4,6-Tribromophenol	150	86,946.00	57964	*	32	145
			Terphenyl-d14	100	74,941.00	74941	*	36	145



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

Surrogate Summary

SW-846

SDG No.: BF061224

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB161404BL	PB161404BL	BF138196.D	2-Fluorophenol	150	114.56	76		18	112
			Phenol-d6	150	111.75	75		15	107
			Nitrobenzene-d5	100	78.25	78		18	107
			2-Fluorobiphenyl	100	73.33	73		20	109
			2,4,6-Tribromophenol	150	121.12	81		10	110
			Terphenyl-d14	100	61.84	62		14	112
PB161404BS	PB161404BS	BF138197.D	2-Fluorophenol	150	115.13	77		18	112
			Phenol-d6	150	116.27	78		15	107
			Nitrobenzene-d5	100	78.92	79		18	107
			2-Fluorobiphenyl	100	73.67	74		20	109
			2,4,6-Tribromophenol	150	122.01	81		10	110
			Terphenyl-d14	100	74.98	75		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF061224

Lab Code: CHEM

SAS No.: BF061224

SDG NO.: BF061224

Lab File ID: BF138186.D

DFTPP Injection Date: 06/12/2024

Instrument ID: BNA_F

DFTPP Injection Time: 11:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.6
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	28.8
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	42.4
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	29.2
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 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	BF138187.D	06/12/2024	11:41
SSTDICC005	SSTDICC005	BF138188.D	06/12/2024	12:10
SSTDICC010	SSTDICC010	BF138189.D	06/12/2024	12:39
SSTDICC020	SSTDICC020	BF138190.D	06/12/2024	13:08
SSTDICCC040	SSTDICCC040	BF138191.D	06/12/2024	13:37
SSTDICC050	SSTDICC050	BF138192.D	06/12/2024	14:06
SSTDICC060	SSTDICC060	BF138193.D	06/12/2024	14:34
SSTDICC080	SSTDICC080	BF138194.D	06/12/2024	15:03
ICVBF061224	SSTDICV040	BF138195.D	06/12/2024	15:42
PB161404BL	PB161404BL	BF138196.D	06/12/2024	16:18
PB161404BS	PB161404BS	BF138197.D	06/12/2024	16:46