

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BF110723 SAS No.: BF110723 SDG No.: BF110723
 Instrument ID: BNA_F Calibration Date/Time: 11/7/2023 1:12:31
 Lab File ID: BF136172.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	0.620	0.621		0.161	
Pyridine	1.352	1.354		0.148	
2-Fluorophenol	1.256	1.244		-0.955	
Benzaldehyde	0.894	0.859		-3.915	
Aniline	1.959	1.942		-0.868	
Phenol-d6	1.546	1.530		-1.035	
Phenol	1.688	1.678		-0.592	20.0
bis(2-Chloroethyl)ether	1.241	1.227		-1.128	
2-Chlorophenol	1.352	1.337		-1.109	
1,2-Dichlorobenzene	1.344	1.320		-1.786	
1,3-Dichlorobenzene	1.426	1.427		0.07	
1,4-Dichlorobenzene	1.430	1.414		-1.119	20.0
Benzyl Alcohol	1.156	1.153		-0.26	
2-Methylphenol	1.128	1.115		-1.152	
2,2-oxybis(1-Chloropropane)	1.621	1.601		-1.234	
Acetophenone	0.462	0.464		0.433	
3+4-Methylphenols	1.408	1.381		-1.918	
n-Nitroso-di-n-propylamine	0.892	0.870	0.050	-2.466	
Nitrobenzene-d5	0.358	0.367		2.514	
Hexachloroethane	0.522	0.517		-0.958	
Nitrobenzene	0.349	0.357		2.292	
Isophorone	0.619	0.633		2.262	
2-Nitrophenol	0.169	0.182		7.692	20.0
2,4-Dimethylphenol	0.284	0.297		4.577	
bis(2-Chloroethoxy)methane	0.373	0.378		1.34	
2,4-Dichlorophenol	0.277	0.288		3.971	20.0
1,2,4-Trichlorobenzene	0.308	0.315		2.273	
Benzoic acid	0.193	0.202		4.663	
Naphthalene	0.985	1.007		2.234	
4-Chloroaniline	0.409	0.429		4.89	
Hexachlorobutadiene	0.187	0.194		3.743	20.0
Caprolactam	0.080	0.084		5.0	
4-Chloro-3-methylphenol	0.291	0.306		5.155	20.0
2-Methylnaphthalene	0.661	0.677		2.421	
Hexachlorocyclopentadiene	0.309	0.338	0.050	9.385	
2,4,6-Trichlorophenol	0.375	0.397		5.867	20.0
2-Fluorobiphenyl	1.353	1.377		1.774	
2,4,5-Trichlorophenol	0.432	0.456		5.556	
1,1-Biphenyl	1.569	1.625		3.569	
2-Chloronaphthalene	1.147	1.190		3.749	
2-Nitroaniline	0.350	0.375		7.143	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.351	1.410		4.367	
Acenaphthylene	1.771	1.841		3.953	
2,6-Dinitrotoluene	0.293	0.315		7.509	
3-Nitroaniline	0.313	0.339		8.307	
Acenaphthene	1.179	1.244		5.513	20.0
2,4-Dinitrophenol	0.120	0.135	0.050	12.5	
4-Nitrophenol	0.208	0.235	0.050	12.981	
Dibenzofuran	1.640	1.719		4.817	
2,4-Dinitrotoluene	0.372	0.410		10.215	
Diethylphthalate	1.356	1.395		2.876	
4-Chlorophenyl-phenylether	0.633	0.658		3.949	
Fluorene	1.244	1.299		4.421	
4-Nitroaniline	0.285	0.321		12.632	
4,6-Dinitro-2-methylphenol	0.106	0.114		7.547	
n-Nitrosodiphenylamine	0.635	0.655		3.15	20.0
Azobenzene	1.186	1.266		6.745	
2,4,6-Tribromophenol	0.209	0.226		8.134	
4-Bromophenyl-phenylether	0.223	0.236		5.83	
Hexachlorobenzene	0.236	0.247		4.661	
Atrazine	0.161	0.162		0.621	
Pentachlorophenol	0.132	0.148		12.121	20.0
Phenanthrene	1.024	1.064		3.906	
Anthracene	1.045	1.089		4.211	
Carbazole	0.838	0.886		5.728	
Di-n-butylphthalate	0.991	1.057		6.66	
Fluoranthene	0.935	1.008		7.807	20.0
Benzidine	0.346	0.375		8.382	
Pyrene	1.870	1.958		4.706	
Terphenyl-d14	1.409	1.462		3.762	
Butylbenzylphthalate	0.596	0.659		10.57	
3,3-Dichlorobenzidine	0.426	0.464		8.92	
Benzo (a) anthracene	1.327	1.387		4.521	
Chrysene	1.298	1.345		3.621	
Bis (2-ethylhexyl) phthalate	0.719	0.794		10.431	
Di-n-octyl phthalate	1.204	1.286		6.811	20.0
Benzo (b) fluoranthene	1.104	1.171		6.069	
Benzo (k) fluoranthene	1.112	1.161		4.406	
Benzo (a) pyrene	1.089	1.143		4.959	20.0
Indeno (1,2,3-cd) pyrene	1.465	1.510		3.072	
Dibenzo (a,h) anthracene	1.214	1.253		3.213	
Benzo (g,h,i) perylene	1.231	1.255		1.95	



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Lab File ID: BF136172.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
1,2,4,5-Tetrachlorobenzene	0.599	0.618		3.172	
1,4-Dioxane	0.503	0.507		0.795	20.0
2,3,4,6-Tetrachlorophenol	0.328	0.354		7.927	
1-Methylnaphthalene	0.613	0.628		2.447	

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.:	BF110723		
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
BF136167.D	1		11/7/2023 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	41100		2000	8000	10000	ug/L
110-86-1	Pyridine	40400		1800	4000	5000	ug/L
100-52-7	Benzaldehyde	39100		3300	8000	10000	ug/L
62-53-3	Aniline	40100		2400	4000	5000	ug/L
108-95-2	Phenol	43100		1500	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	39600		1700	4000	5000	ug/L
95-57-8	2-Chlorophenol	39600		1400	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	39300		1300	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	39700		1700	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	40000		1400	4000	5000	ug/L
100-51-6	Benzyl Alcohol	41100		2400	8000	10000	ug/L
95-48-7	2-Methylphenol	39700		2100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39600		2300	4000	5000	ug/L
98-86-2	Acetophenone	39900		1800	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	39700		2200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40300		2000	2500	2500	ug/L
67-72-1	Hexachloroethane	39600		1600	4000	5000	ug/L
98-95-3	Nitrobenzene	41100		1700	4000	5000	ug/L
78-59-1	Isophorone	40600		1700	4000	5000	ug/L
88-75-5	2-Nitrophenol	42100		2400	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	40600		3000	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41100		2000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	41400		1700	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	40600		1700	4000	5000	ug/L
65-85-0	Benzoic acid	32800		6700	8000	10000	ug/L
91-20-3	Naphthalene	40500		1700	4000	5000	ug/L
106-47-8	4-Chloroaniline	41500		2500	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	40800		1900	4000	5000	ug/L
105-60-2	Caprolactam	42600		3400	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	42000		1800	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	40300		2200	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SSTDCCC040			SDG No.:	BF110723		
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
BF136167.D	1		11/7/2023 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	42700		5700	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	41800		1500	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	42100		1600	4000	5000	ug/L
92-52-4	1,1-Biphenyl	40800		1800	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	41000		1600	4000	5000	ug/L
88-74-4	2-Nitroaniline	42900		2400	4000	5000	ug/L
131-11-3	Dimethylphthalate	41400		1900	4000	5000	ug/L
208-96-8	Acenaphthylene	41100		2100	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	42100		2100	4000	5000	ug/L
99-09-2	3-Nitroaniline	43500		2400	4000	5000	ug/L
83-32-9	Acenaphthene	44300		1700	4000	5000	ug/L
Total PAH	Total PAH	662400		31000	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	40600		5500	8000	10000	ug/L
100-02-7	4-Nitrophenol	45700		2800	8000	10000	ug/L
132-64-9	Dibenzofuran	41300		1600	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	43100		2500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	85200		4600	4000	10000	ug/L
84-66-2	Diethylphthalate	40500		2100	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41100		2200	4000	5000	ug/L
86-73-7	Fluorene	41400		2000	4000	5000	ug/L
100-01-6	4-Nitroaniline	43800		2300	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	41200		1800	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	41700		2000	4000	5000	ug/L
103-33-3	Azobenzene	42300		1600	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	41900		2000	4000	5000	ug/L
118-74-1	Hexachlorobenzene	42000		1900	4000	5000	ug/L
1912-24-9	Atrazine	40300		3500	4000	5000	ug/L
87-86-5	Pentachlorophenol	45100		2600	8000	10000	ug/L
85-01-8	Phenanthrene	41900		2000	4000	5000	ug/L
120-12-7	Anthracene	42200		2300	4000	5000	ug/L
86-74-8	Carbazole	42400		1700	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	42600		2400	4000	5000	ug/L
206-44-0	Fluoranthene	41900		2100	4000	5000	ug/L

Report of Analysis

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Project:				Date Received:			
Client Sample ID:	SSTDCCC040			SDG No.:	BF110723		
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
BF136167.D	1		11/7/2023 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	51200		6600	8000	10000	ug/L
129-00-0	Pyrene	41000		1900	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	42600		2800	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	42600		5400	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	40600		1500	4000	5000	ug/L
218-01-9	Chrysene	40700		1600	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	42100		2900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	41100		3100	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	40600		1500	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	40300		1900	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	41700		2700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	41400		2100	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	41500		2000	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	41300		1900	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39500		2100	4000	5000	ug/L
123-91-1	1,4-Dioxane	39400		2400	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	42100		1300	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	40300		2100	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	80808	*	10-139		53872	SPK: -150
13127-88-3	Phenol-d6	80017	*	10-134		53345	SPK: -150
4165-60-0	Nitrobenzene-d5	81391	*	49-133		81391	SPK: -100
321-60-8	2-Fluorobiphenyl	81025	*	52-132		81025	SPK: -100
118-79-6	2,4,6-Tribromophenol	85626	*	32-145		57084	SPK: -150
1718-51-0	Terphenyl-d14	80620	*	36-145		80620	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	94646	6.822				
1146-65-2	Naphthalene-d8	364007	8.104				
15067-26-2	Acenaphthene-d10	185309	9.863				
1517-22-2	Phenanthrene-d10	319161	11.351				
1719-03-5	Chrysene-d12	162712	14.01				
1520-96-3	Perylene-d12	184796	15.498				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

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Lab Sample ID:	SSTDCCC040	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000000 uL
Extraction Type :		Test:	
Injection Volume :		Level :	LOW
		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136167.D	1		11/7/2023 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF110723			SDG No.:	BF110723		
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
BF136176.D	1		11/7/2023 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	40400		2000	8000	10000	ug/L
110-86-1	Pyridine	39800		1800	4000	5000	ug/L
100-52-7	Benzaldehyde	38800		3300	8000	10000	ug/L
62-53-3	Aniline	40100		2400	4000	5000	ug/L
108-95-2	Phenol	39300		1500	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	39100		1700	4000	5000	ug/L
95-57-8	2-Chlorophenol	39500		1400	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	39200		1300	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	39500		1700	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	39300		1400	4000	5000	ug/L
100-51-6	Benzyl Alcohol	39700		2400	8000	10000	ug/L
95-48-7	2-Methylphenol	39000		2100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39600		2300	4000	5000	ug/L
98-86-2	Acetophenone	40500		1800	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	39000		2200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40000		2000	2500	2500	ug/L
67-72-1	Hexachloroethane	39600		1600	4000	5000	ug/L
98-95-3	Nitrobenzene	40900		1700	4000	5000	ug/L
78-59-1	Isophorone	41500		1700	4000	5000	ug/L
88-75-5	2-Nitrophenol	42000		2400	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	41000		3000	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40400		2000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	40900		1700	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	41200		1700	4000	5000	ug/L
65-85-0	Benzoic acid	40900		6700	8000	10000	ug/L
91-20-3	Naphthalene	40600		1700	4000	5000	ug/L
106-47-8	4-Chloroaniline	41500		2500	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	41400		1900	4000	5000	ug/L
105-60-2	Caprolactam	42200		3400	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	42200		1800	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	40600		2200	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF110723			SDG No.:	BF110723		
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
BF136176.D	1		11/7/2023 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	42800		5700	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	40500		1500	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	41900		1600	4000	5000	ug/L
92-52-4	1,1-Biphenyl	40800		1800	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	41000		1600	4000	5000	ug/L
88-74-4	2-Nitroaniline	42900		2400	4000	5000	ug/L
131-11-3	Dimethylphthalate	41900		1900	4000	5000	ug/L
208-96-8	Acenaphthylene	41100		2100	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	42800		2100	4000	5000	ug/L
99-09-2	3-Nitroaniline	43800		2400	4000	5000	ug/L
83-32-9	Acenaphthene	41700		1700	4000	5000	ug/L
Total PAH	Total PAH	659100		31000	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	41600		5500	8000	10000	ug/L
100-02-7	4-Nitrophenol	46400		2800	8000	10000	ug/L
132-64-9	Dibenzofuran	41100		1600	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	43900		2500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	86700		4600	4000	10000	ug/L
84-66-2	Diethylphthalate	40800		2100	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41000		2200	4000	5000	ug/L
86-73-7	Fluorene	41300		2000	4000	5000	ug/L
100-01-6	4-Nitroaniline	45500		2300	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	40700		1800	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	40600		2000	4000	5000	ug/L
103-33-3	Azobenzene	42300		1600	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	41700		2000	4000	5000	ug/L
118-74-1	Hexachlorobenzene	41400		1900	4000	5000	ug/L
1912-24-9	Atrazine	40800		3500	4000	5000	ug/L
87-86-5	Pentachlorophenol	44800		2600	8000	10000	ug/L
85-01-8	Phenanthrene	41500		2000	4000	5000	ug/L
120-12-7	Anthracene	41400		2300	4000	5000	ug/L
86-74-8	Carbazole	43200		1700	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	44900		2400	4000	5000	ug/L
206-44-0	Fluoranthene	44000		2100	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF110723			SDG No.:	BF110723		
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
BF136176.D	1		11/7/2023 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	42100		6600	8000	10000	ug/L
129-00-0	Pyrene	40900		1900	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	44700		2800	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	42400		5400	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	41500		1500	4000	5000	ug/L
218-01-9	Chrysene	41600		1600	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44300		2900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	41300		3100	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	41400		1500	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	42200		1900	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	41600		2700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	39700		2100	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	39400		2000	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	39200		1900	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	40700		2100	4000	5000	ug/L
123-91-1	1,4-Dioxane	40500		2400	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43500		1300	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	40600		2100	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	79033	*	10-139		52689	SPK: -150
13127-88-3	Phenol-d6	79153	*	10-134		52769	SPK: -150
4165-60-0	Nitrobenzene-d5	80754	*	49-133		80754	SPK: -100
321-60-8	2-Fluorobiphenyl	79504	*	52-132		79504	SPK: -100
118-79-6	2,4,6-Tribromophenol	85889	*	32-145		57259	SPK: -150
1718-51-0	Terphenyl-d14	81931	*	36-145		81931	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	95166	6.822				
1146-65-2	Naphthalene-d8	364639	8.104				
15067-26-2	Acenaphthene-d10	189327	9.863				
1517-22-2	Phenanthrene-d10	337252	11.351				
1719-03-5	Chrysene-d12	182998	14.01				
1520-96-3	Perylene-d12	189220	15.498				



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Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBF110723	SDG No.:	BF110723
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
BF136176.D	1		11/7/2023 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	PB156921BL	SDG No.:	BF110723
Lab Sample ID:	PB156921BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 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
BF136177.D	1	11/6/2023 12:00:00 AM	11/7/2023 12:00:00 AM	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.3	U	77.3	270	330	ug/Kg
110-86-1	Pyridine	72.4	U	72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	150	U	150	270	330	ug/Kg
62-53-3	Aniline	120	U	120	130	170	ug/Kg
108-95-2	Phenol	74.4	U	74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.8	U	89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	72	U	72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.7	U	81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.5	U	88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.4	U	82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.8	U	98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	110	U	110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	130	170	ug/Kg
98-86-2	Acetophenone	86.7	U	86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	59	U	59	80	80	ug/Kg
67-72-1	Hexachloroethane	73.6	U	73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	75.2	U	75.2	130	170	ug/Kg
78-59-1	Isophorone	68.1	U	68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	95.1	U	95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.6	U	99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	78.1	U	78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.5	U	77.5	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.4	U	81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	84	U	84	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.5	U	82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.9	U	94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	PB156921BL	SDG No.:	BF110723
Lab Sample ID:	PB156921BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 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
BF136177.D	1	11/6/2023 12:00:00 AM	11/7/2023 12:00:00 AM	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.1	U	77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.9	U	87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.3	U	91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.6	U	84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.3	U	99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.9	U	88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	88.4	U	88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	90	U	90	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.4	U	93.4	130	170	ug/Kg
83-32-9	Acenaphthene	80.3	U	80.3	130	170	ug/Kg
Total PAH	Total PAH	1438.1	U	1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	76.9	U	76.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	189.9	U	189.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.9	U	99.9	130	170	ug/Kg
84-66-2	Diethylphthalate	85.9	U	85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.4	U	90.4	130	170	ug/Kg
86-73-7	Fluorene	84.8	U	84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.8	U	87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.3	U	93.3	130	170	ug/Kg
103-33-3	Azobenzene	73.5	U	73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.4	U	97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.8	U	98.8	130	170	ug/Kg
1912-24-9	Atrazine	95.4	U	95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.7	U	92.7	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.9	U	84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	94.4	U	94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	PB156921BL	SDG No.:	BF110723
Lab Sample ID:	PB156921BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 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
BF136177.D	1	11/6/2023 12:00:00 AM	11/7/2023 12:00:00 AM	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.7	U	83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.9	U	83.9	130	170	ug/Kg
218-01-9	Chrysene	86.8	U	86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.3	U	80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.1	U	88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.3	U	94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.5	U	96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.5	U	92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.4	U	89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.9	U	82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.2	U	90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	125.554		18-112		84	SPK: -150
13127-88-3	Phenol-d6	125.322		15-107		84	SPK: -150
4165-60-0	Nitrobenzene-d5	86.641		18-107		87	SPK: -100
321-60-8	2-Fluorobiphenyl	85.101		20-109		85	SPK: -100
118-79-6	2,4,6-Tribromophenol	131.228		10-110		87	SPK: -150
1718-51-0	Terphenyl-d14	84.882		14-112		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	92028	6.816				
1146-65-2	Naphthalene-d8	367949	8.098				
15067-26-2	Acenaphthene-d10	188969	9.857				
1517-22-2	Phenanthrene-d10	341560	11.351				
1719-03-5	Chrysene-d12	196372	14.004				
1520-96-3	Perylene-d12	181071	15.492				



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Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	PB156921BL	SDG No.:	BF110723
Lab Sample ID:	PB156921BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	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
BF136177.D	1	11/6/2023 12:00:00 AM	11/7/2023 12:00:00 AM	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000556-71-8	Cyclononasiloxane, octadecamethyl-	160	J			14.504	
000107-52-8	Hexasiloxane, tetradecamethyl-	300	J			14.898	
	unknown15.351	370	J			15.351	
	unknown15.880	380	J			15.88	
	unknown16.510	350	J			16.51	
	unknown17.274	300	J			17.274	
000556-70-7	1,1,1,3,3,5,5,7,7,9,9,11,11,13,13,	280	J			18.227	

Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	PB156921BS	SDG No.:	BF110723
Lab Sample ID:	PB156921BS	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
BF136178.D	1	11/6/2023 12:00:00 AM	11/7/2023 12:00:00 AM	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		77.2	270	330	ug/Kg
110-86-1	Pyridine	1100		72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	710		150	270	330	ug/Kg
62-53-3	Aniline	1100		120	130	170	ug/Kg
108-95-2	Phenol	1400		74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1400		98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		100	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		75.1	130	170	ug/Kg
78-59-1	Isophorone	1500		68	130	170	ug/Kg
88-75-5	2-Nitrophenol	1500		95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		77.4	130	170	ug/Kg
65-85-0	Benzoic acid	1400		210	270	330	ug/Kg
91-20-3	Naphthalene	1400		81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	1000		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.9	130	170	ug/Kg
105-60-2	Caprolactam	1600		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	PB156921BS	SDG No.:	BF110723
Lab Sample ID:	PB156921BS	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
BF136178.D	1	11/6/2023 12:00:00 AM	11/7/2023 12:00:00 AM	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3100	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1500		99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	1400		88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	1400		88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	1200		93.3	130	170	ug/Kg
83-32-9	Acenaphthene	1600		80.2	130	170	ug/Kg
Total PAH	Total PAH	23700		1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2900	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		76.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3100		189.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		99.8	130	170	ug/Kg
84-66-2	Diethylphthalate	1400		85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		90.3	130	170	ug/Kg
86-73-7	Fluorene	1400		84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		93.2	130	170	ug/Kg
103-33-3	Azobenzene	1500		73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		98.7	130	170	ug/Kg
1912-24-9	Atrazine	1200		95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	2800	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1500		92.6	130	170	ug/Kg
120-12-7	Anthracene	1400		100	130	170	ug/Kg
86-74-8	Carbazole	1500		84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		100	130	170	ug/Kg
206-44-0	Fluoranthene	1500		94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	PB156921BS	SDG No.:	BF110723
Lab Sample ID:	PB156921BS	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
BF136178.D	1	11/6/2023 12:00:00 AM	11/7/2023 12:00:00 AM	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1700		190	270	330	ug/Kg
129-00-0	Pyrene	1400		83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		83.8	130	170	ug/Kg
218-01-9	Chrysene	1400		86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	1300		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	127.058		18-112		85	SPK: -150
13127-88-3	Phenol-d6	124.445		15-107		83	SPK: -150
4165-60-0	Nitrobenzene-d5	82.096		18-107		82	SPK: -100
321-60-8	2-Fluorobiphenyl	78.8		20-109		79	SPK: -100
118-79-6	2,4,6-Tribromophenol	131.641		10-110		88	SPK: -150
1718-51-0	Terphenyl-d14	84.177		14-112		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	87663	6.822				
1146-65-2	Naphthalene-d8	351885	8.104				
15067-26-2	Acenaphthene-d10	189065	9.863				
1517-22-2	Phenanthrene-d10	332026	11.351				
1719-03-5	Chrysene-d12	171609	14.01				
1520-96-3	Perylene-d12	179783	15.498				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	11/6/2023 12:00:00 AM
Project:		Date Received:	11/6/2023 12:00:00 AM
Client Sample ID:	PB156921BS	SDG No.:	BF110723
Lab Sample ID:	PB156921BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BF136178.D	1	11/6/2023 12:00:00 AM	11/7/2023 12:00:00 AM	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Hit Summary Sheet

SW-846

SDG No.: BF110723

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	SSTDCCC040							
SSTDCCC040	SSTDCCC040	Water	1,1-Biphenyl	40,800.000		1800	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	1,2,4,5-Tetrachlorobenzene	39,500.000		2100	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	1,2,4-Trichlorobenzene	40,600.000		1700	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	1,2-Dichlorobenzene	39,300.000		1300	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	1,3-Dichlorobenzene	39,700.000		1700	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	1,4-Dichlorobenzene	40,000.000		1400	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	1,4-Dioxane	39,400.000		2400	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	1-Methylnaphthalene	40,300.000		2100	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,2-oxybis(1-Chloropropane)	39,600.000		2300	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,3,4,6-Tetrachlorophenol	42,100.000		1300	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,4,5-Trichlorophenol	42,100.000		1600	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,4,6-Trichlorophenol	41,800.000		1500	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,4-Dichlorophenol	41,400.000		1700	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,4-Dimethylphenol	40,600.000		3000	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,4-Dinitrophenol	40,600.000		5500	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,4-Dinitrotoluene	43,100.000		2500	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,6-Dinitrotoluene	42,100.000		2100	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2-Chloronaphthalene	41,000.000		1600	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2-Chlorophenol	39,600.000		1400	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2-Methylnaphthalene	40,300.000		2200	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2-Methylphenol	39,700.000		2100	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2-Nitroaniline	42,900.000		2400	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2-Nitrophenol	42,100.000		2400	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	3+4-Methylphenols	39,700.000		2200	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	3,3-Dichlorobenzidine	42,600.000		5400	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	3-Nitroaniline	43,500.000		2400	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	4,6-Dinitro-2-methylphenol	41,200.000		1800	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	4-Bromophenyl-phenylether	41,900.000		2000	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	4-Chloro-3-methylphenol	42,000.000		1800	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	4-Chloroaniline	41,500.000		2500	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	4-Chlorophenyl-phenylether	41,100.000		2200	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	4-Nitroaniline	43,800.000		2300	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	4-Nitrophenol	45,700.000		2800	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	Acenaphthene	44,300.000		1700	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Acenaphthylene	41,100.000		2100	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Acetophenone	39,900.000		1800	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Aniline	40,100.000		2400	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Anthracene	42,200.000		2300	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Atrazine	40,300.000		3500	5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BF110723

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDCCC040	SSTDCCC040	Water	Azobenzene	42,300.000		1600	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Benzaldehyde	39,100.000		3300	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	Benzidine	51,200.000		6600	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	Benzo(a)anthracene	40,600.000		1500	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Benzo(a)pyrene	41,700.000		2700	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Benzo(b)fluoranthene	40,600.000		1500	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Benzo(g,h,i)perylene	41,300.000		1900	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Benzo(k)fluoranthene	40,300.000		1900	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Benzoic acid	32,800.000		6700	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	Benzyl Alcohol	41,100.000		2400	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	bis(2-Chloroethoxy)methane	41,100.000		2000	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	bis(2-Chloroethyl)ether	39,600.000		1700	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Bis(2-ethylhexyl)phthalate	42,100.000		2900	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Butylbenzylphthalate	42,600.000		2800	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Caprolactam	42,600.000		3400	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	Carbazole	42,400.000		1700	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Chrysene	40,700.000		1600	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Di-n-butylphthalate	42,600.000		2400	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Di-n-octyl phthalate	41,100.000		3100	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	Dibenzo(a,h)anthracene	41,500.000		2000	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Dibenzofuran	41,300.000		1600	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Diethylphthalate	40,500.000		2100	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Dimethylphthalate	41,400.000		1900	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Fluoranthene	41,900.000		2100	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Fluorene	41,400.000		2000	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Hexachlorobenzene	42,000.000		1900	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Hexachlorobutadiene	40,800.000		1900	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Hexachlorocyclopentadiene	42,700.000		5700	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	Hexachloroethane	39,600.000		1600	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Indeno(1,2,3-cd)pyrene	41,400.000		2100	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Isophorone	40,600.000		1700	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	n-Nitroso-di-n-propylamine	40,300.000		2000	2500	ug/L
SSTDCCC040	SSTDCCC040	Water	n-Nitrosodimethylamine	41,100.000		2000	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	n-Nitrosodiphenylamine	41,700.000		2000	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Naphthalene	40,500.000		1700	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Nitrobenzene	41,100.000		1700	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Pentachlorophenol	45,100.000		2600	10000	ug/L
SSTDCCC040	SSTDCCC040	Water	Phenanthrene	41,900.000		2000	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Phenol	43,100.000		1500	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Pyrene	41,000.000		1900	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	Pyridine	40,400.000		1800	5000	ug/L
SSTDCCC040	SSTDCCC040	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	85,200.000		4600	10000	ug/L

Hit Summary Sheet SW-846

SDG No.: BF110723

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDCCC040	SSTDCCC040	Water	Total PAH	662,400.000		31000	80000	ug/L
Total Svoc :				4,054,200.00				
Total Concentration:				4,054,200.00				
Client ID : ICVBF110723								
SSTDICV040	ICVBF110723	Water	1,1-Biphenyl	40,800.000		1800	5000	ug/L
SSTDICV040	ICVBF110723	Water	1,2,4,5-Tetrachlorobenzene	40,700.000		2100	5000	ug/L
SSTDICV040	ICVBF110723	Water	1,2,4-Trichlorobenzene	41,200.000		1700	5000	ug/L
SSTDICV040	ICVBF110723	Water	1,2-Dichlorobenzene	39,200.000		1300	5000	ug/L
SSTDICV040	ICVBF110723	Water	1,3-Dichlorobenzene	39,500.000		1700	5000	ug/L
SSTDICV040	ICVBF110723	Water	1,4-Dichlorobenzene	39,300.000		1400	5000	ug/L
SSTDICV040	ICVBF110723	Water	1,4-Dioxane	40,500.000		2400	5000	ug/L
SSTDICV040	ICVBF110723	Water	1-Methylnaphthalene	40,600.000		2100	5000	ug/L
SSTDICV040	ICVBF110723	Water	2,2-oxybis(1-Chloropropane)	39,600.000		2300	5000	ug/L
SSTDICV040	ICVBF110723	Water	2,3,4,6-Tetrachlorophenol	43,500.000		1300	5000	ug/L
SSTDICV040	ICVBF110723	Water	2,4,5-Trichlorophenol	41,900.000		1600	5000	ug/L
SSTDICV040	ICVBF110723	Water	2,4,6-Trichlorophenol	40,500.000		1500	5000	ug/L
SSTDICV040	ICVBF110723	Water	2,4-Dichlorophenol	40,900.000		1700	5000	ug/L
SSTDICV040	ICVBF110723	Water	2,4-Dimethylphenol	41,000.000		3000	5000	ug/L
SSTDICV040	ICVBF110723	Water	2,4-Dinitrophenol	41,600.000		5500	10000	ug/L
SSTDICV040	ICVBF110723	Water	2,4-Dinitrotoluene	43,900.000		2500	5000	ug/L
SSTDICV040	ICVBF110723	Water	2,6-Dinitrotoluene	42,800.000		2100	5000	ug/L
SSTDICV040	ICVBF110723	Water	2-Chloronaphthalene	41,000.000		1600	5000	ug/L
SSTDICV040	ICVBF110723	Water	2-Chlorophenol	39,500.000		1400	5000	ug/L
SSTDICV040	ICVBF110723	Water	2-Methylnaphthalene	40,600.000		2200	5000	ug/L
SSTDICV040	ICVBF110723	Water	2-Methylphenol	39,000.000		2100	5000	ug/L
SSTDICV040	ICVBF110723	Water	2-Nitroaniline	42,900.000		2400	5000	ug/L
SSTDICV040	ICVBF110723	Water	2-Nitrophenol	42,000.000		2400	5000	ug/L
SSTDICV040	ICVBF110723	Water	3+4-Methylphenols	39,000.000		2200	10000	ug/L
SSTDICV040	ICVBF110723	Water	3,3-Dichlorobenzidine	42,400.000		5400	10000	ug/L
SSTDICV040	ICVBF110723	Water	3-Nitroaniline	43,800.000		2400	5000	ug/L
SSTDICV040	ICVBF110723	Water	4,6-Dinitro-2-methylphenol	40,700.000		1800	10000	ug/L
SSTDICV040	ICVBF110723	Water	4-Bromophenyl-phenylether	41,700.000		2000	5000	ug/L
SSTDICV040	ICVBF110723	Water	4-Chloro-3-methylphenol	42,200.000		1800	5000	ug/L
SSTDICV040	ICVBF110723	Water	4-Chloroaniline	41,500.000		2500	5000	ug/L
SSTDICV040	ICVBF110723	Water	4-Chlorophenyl-phenylether	41,000.000		2200	5000	ug/L
SSTDICV040	ICVBF110723	Water	4-Nitroaniline	45,500.000		2300	5000	ug/L
SSTDICV040	ICVBF110723	Water	4-Nitrophenol	46,400.000		2800	10000	ug/L
SSTDICV040	ICVBF110723	Water	Acenaphthene	41,700.000		1700	5000	ug/L
SSTDICV040	ICVBF110723	Water	Acenaphthylene	41,100.000		2100	5000	ug/L
SSTDICV040	ICVBF110723	Water	Acetophenone	40,500.000		1800	5000	ug/L
SSTDICV040	ICVBF110723	Water	Aniline	40,100.000		2400	5000	ug/L
SSTDICV040	ICVBF110723	Water	Anthracene	41,400.000		2300	5000	ug/L

Hit Summary Sheet

SW-846

SDG No.: BF110723

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF110723	Water	Atrazine	40,800.000		3500	5000	ug/L
SSTDICV040	ICVBF110723	Water	Azobenzene	42,300.000		1600	5000	ug/L
SSTDICV040	ICVBF110723	Water	Benzaldehyde	38,800.000		3300	10000	ug/L
SSTDICV040	ICVBF110723	Water	Benzidine	42,100.000		6600	10000	ug/L
SSTDICV040	ICVBF110723	Water	Benzo(a)anthracene	41,500.000		1500	5000	ug/L
SSTDICV040	ICVBF110723	Water	Benzo(a)pyrene	41,600.000		2700	5000	ug/L
SSTDICV040	ICVBF110723	Water	Benzo(b)fluoranthene	41,400.000		1500	5000	ug/L
SSTDICV040	ICVBF110723	Water	Benzo(g,h,i)perylene	39,200.000		1900	5000	ug/L
SSTDICV040	ICVBF110723	Water	Benzo(k)fluoranthene	42,200.000		1900	5000	ug/L
SSTDICV040	ICVBF110723	Water	Benzoic acid	40,900.000		6700	10000	ug/L
SSTDICV040	ICVBF110723	Water	Benzyl Alcohol	39,700.000		2400	10000	ug/L
SSTDICV040	ICVBF110723	Water	bis(2-Chloroethoxy)methane	40,400.000		2000	5000	ug/L
SSTDICV040	ICVBF110723	Water	bis(2-Chloroethyl)ether	39,100.000		1700	5000	ug/L
SSTDICV040	ICVBF110723	Water	Bis(2-ethylhexyl)phthalate	44,300.000		2900	5000	ug/L
SSTDICV040	ICVBF110723	Water	Butylbenzylphthalate	44,700.000		2800	5000	ug/L
SSTDICV040	ICVBF110723	Water	Caprolactam	42,200.000		3400	10000	ug/L
SSTDICV040	ICVBF110723	Water	Carbazole	43,200.000		1700	5000	ug/L
SSTDICV040	ICVBF110723	Water	Chrysene	41,600.000		1600	5000	ug/L
SSTDICV040	ICVBF110723	Water	Di-n-butylphthalate	44,900.000		2400	5000	ug/L
SSTDICV040	ICVBF110723	Water	Di-n-octyl phthalate	41,300.000		3100	10000	ug/L
SSTDICV040	ICVBF110723	Water	Dibenzo(a,h)anthracene	39,400.000		2000	5000	ug/L
SSTDICV040	ICVBF110723	Water	Dibenzofuran	41,100.000		1600	5000	ug/L
SSTDICV040	ICVBF110723	Water	Diethylphthalate	40,800.000		2100	5000	ug/L
SSTDICV040	ICVBF110723	Water	Dimethylphthalate	41,900.000		1900	5000	ug/L
SSTDICV040	ICVBF110723	Water	Fluoranthene	44,000.000		2100	5000	ug/L
SSTDICV040	ICVBF110723	Water	Fluorene	41,300.000		2000	5000	ug/L
SSTDICV040	ICVBF110723	Water	Hexachlorobenzene	41,400.000		1900	5000	ug/L
SSTDICV040	ICVBF110723	Water	Hexachlorobutadiene	41,400.000		1900	5000	ug/L
SSTDICV040	ICVBF110723	Water	Hexachlorocyclopentadiene	42,800.000		5700	10000	ug/L
SSTDICV040	ICVBF110723	Water	Hexachloroethane	39,600.000		1600	5000	ug/L
SSTDICV040	ICVBF110723	Water	Indeno(1,2,3-cd)pyrene	39,700.000		2100	5000	ug/L
SSTDICV040	ICVBF110723	Water	Isophorone	41,500.000		1700	5000	ug/L
SSTDICV040	ICVBF110723	Water	n-Nitroso-di-n-propylamine	40,000.000		2000	2500	ug/L
SSTDICV040	ICVBF110723	Water	n-Nitrosodimethylamine	40,400.000		2000	10000	ug/L
SSTDICV040	ICVBF110723	Water	n-Nitrosodiphenylamine	40,600.000		2000	5000	ug/L
SSTDICV040	ICVBF110723	Water	Naphthalene	40,600.000		1700	5000	ug/L
SSTDICV040	ICVBF110723	Water	Nitrobenzene	40,900.000		1700	5000	ug/L
SSTDICV040	ICVBF110723	Water	Pentachlorophenol	44,800.000		2600	10000	ug/L
SSTDICV040	ICVBF110723	Water	Phenanthrene	41,500.000		2000	5000	ug/L
SSTDICV040	ICVBF110723	Water	Phenol	39,300.000		1500	5000	ug/L
SSTDICV040	ICVBF110723	Water	Pyrene	40,900.000		1900	5000	ug/L
SSTDICV040	ICVBF110723	Water	Pyridine	39,800.000		1800	5000	ug/L



Hit Summary Sheet
SW-846

SDG No.: BF110723

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF110723	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	86,700.000		4600	10000	ug/L
SSTDICV040	ICVBF110723	Water	Total PAH	659,100.000		31000	80000	ug/L
Total Svoc :				4,053,200.00				
Total Concentration:				4,053,200.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BF110723

SAS No.: BF110723

SDG No.: BF110723

Instrument ID:

Calibration Date(s): 11/7/2023 :

Calibration Time(s): 10:30

LAB FILE ID:		RRF2.5 = BF136168.D		RRF005 = BF136169.D		RRF010 = BF136170.D		
		RRF020 = BF136171.D		RRF040 = BF136172.D		RRF050 = BF136173.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.590	0.559	0.640	0.621	0.611	0.620	6.1
Pyridine		1.331	1.245	1.379	1.354	1.327	1.352	4.5
2-Fluorophenol		1.273	1.217	1.325	1.244	1.194	1.256	3.4
Benzaldehyde		1.035	0.925	0.979	0.859	0.801	0.894	9.8
Aniline		2.010	1.900	2.095	1.942	1.869	1.959	3.8
Phenol-d6		1.609	1.488	1.638	1.530	1.476	1.546	3.8
Phenol		1.720	1.670	1.823	1.678	1.635	1.688	3.9
bis(2-Chloroethyl)ether		1.308	1.199	1.307	1.227	1.176	1.241	4.1
2-Chlorophenol		1.412	1.319	1.452	1.337	1.287	1.352	4.3
1,2-Dichlorobenzene		1.436	1.321	1.427	1.320	1.283	1.344	4.5
1,3-Dichlorobenzene		1.470	1.362	1.496	1.427	1.380	1.426	3.3
1,4-Dichlorobenzene		1.474	1.386	1.500	1.414	1.374	1.430	3.1
Benzyl Alcohol		1.168	1.120	1.240	1.153	1.123	1.156	3.5
2-Methylphenol		1.181	1.081	1.184	1.115	1.080	1.128	3.8
2,2-oxybis(1-Chloropropane)		1.709	1.580	1.714	1.601	1.548	1.621	4.0
Acetophenone		0.485	0.458	0.482	0.464	0.439	0.462	3.6
3+4-Methylphenols		1.566	1.402	1.521	1.381	1.328	1.408	6.9
n-Nitroso-di-n-propylamine	0.897	0.927	0.879	0.953	0.870	0.851	0.892	3.7
Nitrobenzene-d5		0.352	0.335	0.372	0.367	0.354	0.358	3.5
Hexachloroethane		0.533	0.497	0.557	0.517	0.502	0.522	3.9
Nitrobenzene		0.341	0.330	0.360	0.357	0.346	0.349	3.2
Isophorone		0.603	0.584	0.637	0.633	0.612	0.619	3.3
2-Nitrophenol		0.145	0.151	0.176	0.182	0.174	0.169	8.7
2,4-Dimethylphenol		0.268	0.270	0.297	0.297	0.279	0.284	4.2
bis(2-Chloroethoxy)methane		0.366	0.355	0.392	0.378	0.365	0.373	3.2
2,4-Dichlorophenol		0.264	0.266	0.290	0.288	0.270	0.277	3.8
1,2,4-Trichlorobenzene		0.309	0.299	0.319	0.315	0.299	0.308	2.5
Benzoic acid			0.134	0.179	0.202	0.208	0.193	16.7
Naphthalene		1.005	0.961	1.033	1.007	0.949	0.985	3.1
4-Chloroaniline		0.397	0.390	0.429	0.429	0.397	0.409	3.8
Hexachlorobutadiene		0.190	0.176	0.195	0.194	0.185	0.187	3.5
Caprolactam		0.075	0.074	0.083	0.084	0.082	0.080	5.0
4-Chloro-3-methylphenol		0.276	0.274	0.305	0.306	0.288	0.291	4.3
2-Methylnaphthalene		0.677	0.644	0.694	0.677	0.637	0.661	3.3
Hexachlorocyclopentadiene		0.234	0.263	0.311	0.338	0.314	0.309	14.8
2,4,6-Trichlorophenol		0.361	0.357	0.387	0.397	0.357	0.375	4.5

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.: BF110723

SAS No.: BF110723

SDG No.: BF110723

Instrument ID: _____

Calibration Date(s): 11/7/2023 : _____

Calibration Time(s): 10:30 _____

LAB FILE ID:		RRF2.5 = BF136168.D		RRF005 = BF136169.D		RRF010 = BF136170.D		
		RRF020 = BF136171.D		RRF040 = BF136172.D		RRF050 = BF136173.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.459	1.361	1.438	1.377	1.245	1.353	5.9
2,4,5-Trichlorophenol		0.431	0.396	0.438	0.456	0.417	0.432	4.7
1,1-Biphenyl		1.633	1.544	1.655	1.625	1.462	1.569	4.5
2-Chloronaphthalene		1.146	1.131	1.203	1.190	1.077	1.147	3.7
2-Nitroaniline		0.324	0.322	0.364	0.375	0.338	0.350	6.2
Dimethylphthalate		1.367	1.317	1.436	1.410	1.279	1.351	4.1
Acenaphthylene		1.789	1.721	1.853	1.841	1.678	1.771	3.5
2,6-Dinitrotoluene		0.271	0.278	0.308	0.315	0.285	0.293	5.4
3-Nitroaniline		0.286	0.294	0.329	0.339	0.308	0.313	6.0
Acenaphthene		1.139	1.138	1.229	1.244	1.128	1.179	3.9
2,4-Dinitrophenol			0.070	0.103	0.135	0.127	0.120	23.6
4-Nitrophenol		0.159	0.174	0.220	0.235	0.219	0.208	14.0
Dibenzofuran		1.676	1.619	1.717	1.719	1.538	1.640	4.1
2,4-Dinitrotoluene		0.336	0.355	0.395	0.410	0.361	0.372	6.7
Diethylphthalate		1.528	1.381	1.432	1.395	1.245	1.356	8.0
4-Chlorophenyl-phenylether		0.671	0.633	0.687	0.658	0.576	0.633	6.6
Fluorene		1.288	1.264	1.336	1.299	1.152	1.244	5.6
4-Nitroaniline		0.263	0.257	0.299	0.321	0.282	0.285	7.5
4,6-Dinitro-2-methylphenol			0.075	0.099	0.114	0.111	0.106	16.0
n-Nitrosodiphenylamine		0.614	0.602	0.660	0.655	0.599	0.635	4.6
Azobenzene		1.183	1.155	1.252	1.266	1.119	1.186	4.5
2,4,6-Tribromophenol		0.204	0.199	0.222	0.226	0.202	0.209	5.0
4-Bromophenyl-phenylether		0.211	0.204	0.229	0.236	0.215	0.223	5.7
Hexachlorobenzene		0.227	0.225	0.240	0.247	0.229	0.236	4.2
Atrazine		0.179	0.165	0.176	0.162	0.149	0.161	8.6
Pentachlorophenol		0.101	0.112	0.135	0.148	0.136	0.132	14.1
Phenanthrene		1.035	1.002	1.081	1.064	0.962	1.024	4.0
Anthracene		1.043	1.007	1.101	1.089	0.995	1.045	3.7
Carbazole		0.826	0.802	0.897	0.886	0.798	0.838	4.7
Di-n-butylphthalate		0.990	0.952	1.052	1.057	0.970	0.991	4.6
Fluoranthene		0.963	0.908	1.003	1.008	0.897	0.935	5.9
Benzidine			0.424	0.381	0.375	0.291	0.346	15.8
Pyrene		1.866	1.841	2.075	1.958	1.789	1.870	5.9
Terphenyl-d14		1.455	1.428	1.600	1.462	1.314	1.409	7.9
Butylbenzylphthalate		0.538	0.523	0.640	0.659	0.607	0.596	8.4
3,3-Dichlorobenzidine		0.361	0.367	0.427	0.464	0.432	0.426	10.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF110723 SAS No.: BF110723 SDG No.: BF110723
Instrument ID: _____ Calibration Date(s): 11/7/2023 : _____
Calibration Time(s): 10:30 _____

LAB FILE ID:		RRF2.5 = BF136168.D			RRF005 = BF136169.D		RRF010 = BF136170.D	
		RRF020 = BF136171.D			RRF040 = BF136172.D		RRF050 = BF136173.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.264	1.236	1.387	1.387	1.289	1.327	4.9
Chrysene		1.252	1.201	1.346	1.345	1.250	1.298	5.3
Bis(2-ethylhexyl)phthalate		0.669	0.641	0.737	0.794	0.736	0.719	7.0
Di-n-octyl phthalate			0.916	1.101	1.286	1.214	1.204	14.7
Benzo(b)fluoranthene		1.060	1.021	1.129	1.171	1.071	1.104	5.4
Benzo(k)fluoranthene		1.073	1.046	1.196	1.161	1.068	1.112	4.8
Benzo(a)pyrene		0.963	1.013	1.138	1.143	1.076	1.089	6.9
Indeno(1,2,3-cd)pyrene		1.261	1.372	1.568	1.510	1.434	1.465	7.9
Dibenzo(a,h)anthracene		1.063	1.143	1.304	1.253	1.195	1.214	7.1
Benzo(g,h,i)perylene		1.067	1.170	1.331	1.255	1.208	1.231	7.4
1,2,4,5-Tetrachlorobenzene		0.608	0.587	0.622	0.618	0.554	0.599	3.9
1,4-Dioxane		0.471	0.481	0.515	0.507	0.492	0.503	4.4
2,3,4,6-Tetrachlorophenol		0.305	0.307	0.356	0.354	0.320	0.328	6.3
1-Methylnaphthalene		0.627	0.600	0.643	0.628	0.589	0.613	3.2

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF110723 SAS No.: BF110723 SDG NO.: BF110723

EPA Sample No.: SSTDICCC040 Date Analyzed: Nov 7 2023 12:00AM

Lab File ID: BF136172.D Time Analyzed: 09:58

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	94039	6.822	355903	8.10	179783	9.86
UPPER LIMIT	188078	7.322	711806	8.598	359566	10.357
LOWER LIMIT	47019.5	6.322	177951.5	7.598	89891.5	9.357
EPA SAMPLE NO.						
01 SSTDICCC040	94646	6.82	364007	8.10	185309	9.86
02 ICVBF110723	95166	6.82	364639	8.10	189327	9.86
03 PB156921BL	92028	6.82	367949	8.10	188969	9.86
04 PB156921BS	87663	6.82	351885	8.10	189065	9.86

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF110723 SAS No.: BF110723 SDG NO.: BF110723

EPA Sample No.: SSTDICCC040 Date Analyzed: Nov 7 2023 12:00AM

Lab File ID: BF136172.D Time Analyzed: 15:17

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	94039	6.822	355903	8.10	179783	9.86
UPPER LIMIT	188078	7.322	711806	8.598	359566	10.357
LOWER LIMIT	47019.5	6.322	177951.5	7.598	89891.5	9.357
EPA SAMPLE NO.						
01 ICVBF110723	95166	6.82	364639	8.10	189327	9.86
02 PB156921BL	92028	6.82	367949	8.10	188969	9.86
03 PB156921BS	87663	6.82	351885	8.10	189065	9.86

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF110723 SAS No.: BF110723 SDG NO.: BF110723

EPA Sample No.: SSTDCCC040 Date Analyzed: Nov 7 2023 12:00AM

Lab File ID: BF136172.D Time Analyzed: 09:58

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	318009	11.351	161950	14.01	176876	15.498
UPPER LIMIT	636018	11.851	323900	14.51	353752	15.998
LOWER LIMIT	159004.5	10.851	80975	13.51	88438	14.998
EPA SAMPLE NO.						
01 SSTDCCC040	319161	11.35	162712	14.01	184796	15.50
02 ICVBF110723	337252	11.35	182998	14.01	189220	15.50
03 PB156921BL	341560	11.35	196372	14.00	181071	15.49
04 PB156921BS	332026	11.35	171609	14.01	179783	15.50

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF110723 SAS No.: BF110723 SDG NO.: BF110723

EPA Sample No.: SSTDICCC040 Date Analyzed: Nov 7 2023 12:00AM

Lab File ID: BF136172.D Time Analyzed: 15:17

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	318009	11.351	161950	14.01	176876	15.498
UPPER LIMIT	636018	11.851	323900	14.51	353752	15.998
LOWER LIMIT	159004.5	10.851	80975	13.51	88438	14.998
EPA SAMPLE NO.						
01 ICVBF110723	337252	11.35	182998	14.01	189220	15.50
02 PB156921BL	341560	11.35	196372	14.00	181071	15.49
03 PB156921BS	332026	11.35	171609	14.01	179783	15.50

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BF110723

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB156921BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700	710	ug/Kg	42				10	147	
	Aniline	1700	1100	ug/Kg	65				38	100	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102	
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99	
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100	
	Benzyl Alcohol	1700	1400	ug/Kg	82				42	116	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				67	119	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	1400	ug/Kg	82				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	1000	ug/Kg	59				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				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	3100	ug/Kg	94				45	134	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				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	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	Total PAH	27200	23700	ug/Kg	87				57	104	
	2,4-Dinitrophenol	3300	2900	ug/Kg	88				37	128	
	4-Nitrophenol	3300	3100	ug/Kg	94				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BF110723

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB156921BS	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	2,4-Dinitrotoluene/2,6-Dinitro	3400	3100	ug/Kg	91				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107	
	Azobenzene	1700	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				55	99	
	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1200	ug/Kg	71				67	113	
	Pentachlorophenol	3300	2800	ug/Kg	85				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	1700	ug/Kg	52				10	98	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	1500	ug/Kg	88				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				63	111	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				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	1500	ug/Kg	88				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SSTDCCC040

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF110723SAS No.: BF110723 SDG NO.: BF110723Lab File ID: BF136167.DLab Sample ID: SSTDCCC040Instrument ID: BNA_F

Date Extracted: _____

Matrix: (soil/water) WaterDate Analyzed: 11/07/2023Level: (low/med) LOWTime Analyzed: 09:58

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SSTDCCC040	SSTDCCC040	BF136167.D	11/07/2023
ICVBF110723	SSTDICV040	BF136176.D	11/07/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB156921BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF110723SAS No.: BF110723 SDG NO.: BF110723Lab File ID: BF136177.DLab Sample ID: PB156921BLInstrument ID: BNA_FDate Extracted: 11/06/2023Matrix: (soil/water) SolidDate Analyzed: 11/07/2023Level: (low/med) LOWTime Analyzed: 15:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB156921BS	PB156921BS	BF136178.D	11/07/2023

COMMENTS: _____



Surrogate Summary
SW-846

SDG No.: BF110723

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDCCC040	SSTDCCC040	BF136167.D	2-Fluorophenol	150	80,808.00	53872	*	10	139
			Phenol-d6	150	80,017.00	53345	*	10	134
			Nitrobenzene-d5	100	81,391.00	81391	*	49	133
			2-Fluorobiphenyl	100	81,025.00	81025	*	52	132
			2,4,6-Tribromophenol	150	85,626.00	57084	*	32	145
			Terphenyl-d14	100	80,620.00	80620	*	36	145
SSTDICV040	ICVBF110723	BF136176.D	2-Fluorophenol	150	79,033.00	52689	*	10	139
			Phenol-d6	150	79,153.00	52769	*	10	134
			Nitrobenzene-d5	100	80,754.00	80754	*	49	133
			2-Fluorobiphenyl	100	79,504.00	79504	*	52	132
			2,4,6-Tribromophenol	150	85,889.00	57259	*	32	145
			Terphenyl-d14	100	81,931.00	81931	*	36	145



Surrogate Summary
SW-846

SDG No.: BF110723

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB156921BL	PB156921BL	BF136177.D	2-Fluorophenol	150	125.55	84		18	112
			Phenol-d6	150	125.32	84		15	107
			Nitrobenzene-d5	100	86.64	87		18	107
			2-Fluorobiphenyl	100	85.10	85		20	109
			2,4,6-Tribromophenol	150	131.23	87		10	110
			Terphenyl-d14	100	84.88	85		14	112
PB156921BS	PB156921BS	BF136178.D	2-Fluorophenol	150	127.06	85		18	112
			Phenol-d6	150	124.45	83		15	107
			Nitrobenzene-d5	100	82.10	82		18	107
			2-Fluorobiphenyl	100	78.80	79		20	109
			2,4,6-Tribromophenol	150	131.64	88		10	110
			Terphenyl-d14	100	84.18	84		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BF110723Lab Code: CHEMSAS No.: BF110723 SDG NO.: BF110723Lab File ID: BF136166.DDFTPP Injection Date: 11/07/2023Instrument ID: BNA_FDFTPP Injection Time: 09:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.6
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	33
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.7
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	14.8
442	Greater than 50% of mass 198	92.7
443	15.0 - 24.0% of mass 442	17.8 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF136167.D	11/07/2023	09:58
SSTDICC2.5	SSTDICC2.5	BF136168.D	11/07/2023	10:30
SSTDICC005	SSTDICC005	BF136169.D	11/07/2023	11:01
SSTDICC010	SSTDICC010	BF136170.D	11/07/2023	11:31
SSTDICC020	SSTDICC020	BF136171.D	11/07/2023	12:01
SSTDICCC040	SSTDICCC040	BF136172.D	11/07/2023	12:31
SSTDICC050	SSTDICC050	BF136173.D	11/07/2023	13:02
SSTDICC060	SSTDICC060	BF136174.D	11/07/2023	13:33
SSTDICC080	SSTDICC080	BF136175.D	11/07/2023	14:03
ICVBF110723	SSTDICV040	BF136176.D	11/07/2023	15:17
PB156921BL	PB156921BL	BF136177.D	11/07/2023	15:47
PB156921BS	PB156921BS	BF136178.D	11/07/2023	16:18