

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF082724 SAS No.: BF082724 SDG No.: BF082724
Instrument ID: BNA_F Calibration Date/Time: 8/26/2024 1:17:35
Lab File ID: BF139168.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	0.814	0.825		1.351	
Pyridine	1.399	1.404		0.357	
2-Fluorophenol	1.190	1.242		4.37	
Benzaldehyde	1.022	1.004		-1.761	
Aniline	1.531	1.550		1.241	
Phenol-d6	1.633	1.661		1.715	
Phenol	1.649	1.702		3.214	20.0
bis(2-Chloroethyl) ether	1.299	1.249		-3.849	
2-Chlorophenol	1.131	1.208		6.808	
1,2-Dichlorobenzene	1.408	1.401		-0.497	
1,3-Dichlorobenzene	1.491	1.497		0.402	
1,4-Dichlorobenzene	1.496	1.486		-0.668	20.0
Benzyl Alcohol	1.231	1.302		5.768	
2-Methylphenol	1.031	1.041		0.97	
2,2-oxybis(1-Chloropropane)	1.883	1.883		0.0	
Acetophenone	0.514	0.526		2.335	
3+4-Methylphenols	1.315	1.363		3.65	
n-Nitroso-di-n-propylamine	0.977	1.013	0.050	3.685	
Nitrobenzene-d5	0.361	0.390		8.033	
Hexachloroethane	0.473	0.497		5.074	
Nitrobenzene	0.365	0.427		16.986	
Isophorone	0.714	0.739		3.501	
2-Nitrophenol	0.102	0.116		13.725	20.0
2,4-Dimethylphenol	0.212	0.224		5.66	
bis(2-Chloroethoxy) methane	0.413	0.428		3.632	
2,4-Dichlorophenol	0.261	0.296		13.41	20.0
1,2,4-Trichlorobenzene	0.337	0.346		2.671	
Benzoic acid	0.152	0.161		5.921	
Naphthalene	1.023	1.049		2.542	
4-Chloroaniline	0.352	0.361		2.557	
Hexachlorobutadiene	0.219	0.229		4.566	20.0
Caprolactam	0.080	0.088		10.0	
4-Chloro-3-methylphenol	0.300	0.325		8.333	20.0
2-Methylnaphthalene	0.641	0.662		3.276	
Hexachlorocyclopentadiene	0.190	0.208	0.050	9.474	
2,4,6-Trichlorophenol	0.332	0.390		17.47	20.0
2-Fluorobiphenyl	1.288	1.317		2.252	
2,4,5-Trichlorophenol	0.348	0.400		14.943	
1,1-Biphenyl	1.448	1.504		3.867	

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Instrument ID: BNA_F Calibration Date/Time: 8/26/2024 1:17:35
Lab File ID: BF139168.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	1.155	1.205		4.329	
2-Nitroaniline	0.268	0.325		21.269	
Dimethylphthalate	1.155	1.254		8.571	
Acenaphthylene	1.627	1.701		4.548	
2,6-Dinitrotoluene	0.197	0.248		25.888	
3-Nitroaniline	0.207	0.253		22.222	
Acenaphthene	1.069	1.112		4.022	20.0
2,4-Dinitrophenol	0.080	0.080	0.050	0.0	
4-Nitrophenol	0.181	0.202	0.050	11.602	
Dibenzofuran	1.560	1.612		3.333	
2,4-Dinitrotoluene	0.244	0.301		23.361	
Diethylphthalate	1.088	1.200		10.294	
4-Chlorophenyl-phenylether	0.604	0.626		3.642	
Fluorene	1.231	1.274		3.493	
4-Nitroaniline	0.219	0.267		21.918	
4,6-Dinitro-2-methylphenol	0.067	0.070		4.478	
n-Nitrosodiphenylamine	0.592	0.612		3.378	20.0
Azobenzene	1.323	1.389		4.989	
2,4,6-Tribromophenol	0.171	0.187		9.357	
4-Bromophenyl-phenylether	0.213	0.218		2.347	
Hexachlorobenzene	0.230	0.237		3.043	
Atrazine	0.129	0.139		7.752	
Pentachlorophenol	0.135	0.146		8.148	20.0
Phenanthrene	1.011	1.039		2.77	
Anthracene	0.985	1.013		2.843	
Carbazole	0.881	0.917		4.086	
Di-n-butylphthalate	0.764	0.882		15.445	
Fluoranthene	0.981	1.022		4.179	20.0
Benzidine	0.337	0.379		12.463	
Pyrene	1.879	2.070		10.165	
Terphenyl-d14	1.282	1.380		7.644	
Butylbenzylphthalate	0.318	0.396		24.528	
3,3-Dichlorobenzidine	0.309	0.336		8.738	
Benzo(a)anthracene	1.325	1.380		4.151	
Chrysene	1.195	1.252		4.77	
Bis(2-ethylhexyl)phthalate	0.349	0.432		23.782	
Di-n-octyl phthalate	0.752	0.831		10.505	20.0
Benzo(b)fluoranthene	1.170	1.183		1.111	
Benzo(k)fluoranthene	1.058	1.077		1.796	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF082724 SAS No.: BF082724 SDG No.: BF082724

Instrument ID: BNA_F Calibration Date/Time: 8/26/2024 17:35

Lab File ID: BF139168.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	0.993	1.038		4.532	20.0
Indeno(1,2,3-cd)pyrene	1.368	1.413		3.289	
Dibenzo(a,h)anthracene	1.121	1.154		2.944	
Benzo(g,h,i)perylene	1.159	1.196		3.192	
1,2,4,5-Tetrachlorobenzene	0.593	0.618		4.216	
1,4-Dioxane	0.563	0.561		-0.355	20.0
2,3,4,6-Tetrachlorophenol	0.279	0.324		16.129	
1-Methylnaphthalene	0.627	0.647		3.19	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBF082724	SDG No.:	BF082724
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
BF139172.D	1		8/26/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	41600		1000	8000	10000	ug/L
110-86-1	Pyridine	40900		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	41500		4000	8000	10000	ug/L
62-53-3	Aniline	41600		1600	4000	5000	ug/L
108-95-2	Phenol	42800		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	40400		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	45200		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	40400		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	40600		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	40300		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	43900		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	41900		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	40100		1400	4000	5000	ug/L
98-86-2	Acetophenone	40600		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	42600		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42400		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	44200		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	43800		1300	4000	5000	ug/L
78-59-1	Isophorone	41200		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	49900		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	44400		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41100		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	46600		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	40700		1100	4000	5000	ug/L
65-85-0	Benzoic acid	47500		5500	8000	10000	ug/L
91-20-3	Naphthalene	41100		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	41200		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	41000		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF082724			SDG No.:	BF082724		
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 :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139172.D	1		8/26/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	45100		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	44200		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	40900		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	45300		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	48300		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	47600		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	41000		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	40600		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	46400		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	43600		930	4000	5000	ug/L
208-96-8	Acenaphthylene	41400		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	46900		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	46100		1400	4000	5000	ug/L
83-32-9	Acenaphthene	41500		810	4000	5000	ug/L
Total PAH	Total PAH	665300		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	50600		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	45900		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	41000		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	46500		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	43400		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	43600		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	40700		980	4000	5000	ug/L
86-73-7	Fluorene	40700		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	44800		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	50800		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	41200		890	4000	5000	ug/L
103-33-3	Azobenzene	40900		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	41800		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	41500		1100	4000	5000	ug/L
1912-24-9	Atrazine	43400		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF082724			SDG No.:	BF082724		
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 :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139172.D	1		8/26/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	47800		1900	8000	10000	ug/L
85-01-8	Phenanthrene	41000		890	4000	5000	ug/L
120-12-7	Anthracene	41200		1100	4000	5000	ug/L
86-74-8	Carbazole	41100		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	46900		1500	4000	5000	ug/L
206-44-0	Fluoranthene	40300		1300	4000	5000	ug/L
92-87-5	Benzidine	49000		4100	8000	10000	ug/L
129-00-0	Pyrene	43500		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	44600		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	47400		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	41600		940	4000	5000	ug/L
218-01-9	Chrysene	42500		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44100		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	42400		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	40400		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	41600		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	42300		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42000		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	42300		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	41900		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41200		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	40100		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	47700		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	40700		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	86455	*	10-139		57637	SPK: -150
13127-88-3	Phenol-d6	83387	*	10-134		55591	SPK: -150
4165-60-0	Nitrobenzene-d5	96888	*	49-133		96888	SPK: -100
321-60-8	2-Fluorobiphenyl	80528	*	52-132		80528	SPK: -100

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF082724			SDG No.:	BF082724		
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
BF139172.D	1		8/26/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	93010	*	44-137		62007	SPK: -150
1718-51-0	Terphenyl-d14	85758	*	48-125		85758	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	118682	6.892				
1146-65-2	Naphthalene-d8	427062	8.175				
15067-26-2	Acenaphthene-d10	235078	9.927				
1517-22-2	Phenanthrene-d10	398437	11.416				
1719-03-5	Chrysene-d12	192006	14.051				
1520-96-3	Perylene-d12	215962	15.521				

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162871TB	SDG No.:	BF082724
Lab Sample ID:	PB162871TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
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
BF139173.D	1	8/22/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162871TB	SDG No.:	BF082724
Lab Sample ID:	PB162871TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	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
BF139173.D	1	8/22/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162871TB	SDG No.:	BF082724
Lab Sample ID:	PB162871TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139173.D	1	8/22/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	136.647		10-139		91	SPK: -150
13127-88-3	Phenol-d6	132.732		10-134		88	SPK: -150
4165-60-0	Nitrobenzene-d5	105.431		49-133		105	SPK: -100
321-60-8	2-Fluorobiphenyl	89.48		52-132		89	SPK: -100

Report of Analysis

Client:		Date Collected:	8/22/2024 12:00:00 AM
Project:		Date Received:	8/22/2024 12:00:00 AM
Client Sample ID:	PB162871TB	SDG No.:	BF082724
Lab Sample ID:	PB162871TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	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
BF139173.D	1	8/22/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	153.412		44-137		102	SPK: -150
1718-51-0	Terphenyl-d14	90.121		48-125		90	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	95574	6.893				
1146-65-2	Naphthalene-d8	358333	8.169				
15067-26-2	Acenaphthene-d10	207380	9.922				
1517-22-2	Phenanthrene-d10	374547	11.41				
1719-03-5	Chrysene-d12	233089	14.045				
1520-96-3	Perylene-d12	202769	15.515				

Hit Summary Sheet SW-846

SDG No.: BF082724

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : ICVBF082724								
SSTDICV040	ICVBF082724	Water	1,1-Biphenyl	41,000.000	910		5000	ug/L
SSTDICV040	ICVBF082724	Water	1,2,4,5-Tetrachlorobenzene	41,200.000	1100		5000	ug/L
SSTDICV040	ICVBF082724	Water	1,2,4-Trichlorobenzene	40,700.000	1100		5000	ug/L
SSTDICV040	ICVBF082724	Water	1,2-Dichlorobenzene	40,400.000	880		5000	ug/L
SSTDICV040	ICVBF082724	Water	1,3-Dichlorobenzene	40,600.000	800		5000	ug/L
SSTDICV040	ICVBF082724	Water	1,4-Dichlorobenzene	40,300.000	840		5000	ug/L
SSTDICV040	ICVBF082724	Water	1,4-Dioxane	40,100.000	1300		5000	ug/L
SSTDICV040	ICVBF082724	Water	1-Methylnaphthalene	40,700.000	860		5000	ug/L
SSTDICV040	ICVBF082724	Water	2,2-oxybis(1-Chloropropane)	40,100.000	1400		5000	ug/L
SSTDICV040	ICVBF082724	Water	2,3,4,6-Tetrachlorophenol	47,700.000	790		5000	ug/L
SSTDICV040	ICVBF082724	Water	2,4,5-Trichlorophenol	47,600.000	1000		5000	ug/L
SSTDICV040	ICVBF082724	Water	2,4,6-Trichlorophenol	48,300.000	890		5000	ug/L
SSTDICV040	ICVBF082724	Water	2,4-Dichlorophenol	46,600.000	880		5000	ug/L
SSTDICV040	ICVBF082724	Water	2,4-Dimethylphenol	44,400.000	1500		5000	ug/L
SSTDICV040	ICVBF082724	Water	2,4-Dinitrophenol	50,600.000	6400		10000	ug/L
SSTDICV040	ICVBF082724	Water	2,4-Dinitrotoluene	46,500.000	1500		5000	ug/L
SSTDICV040	ICVBF082724	Water	2,6-Dinitrotoluene	46,900.000	1200		5000	ug/L
SSTDICV040	ICVBF082724	Water	2-Chloronaphthalene	40,600.000	970		5000	ug/L
SSTDICV040	ICVBF082724	Water	2-Chlorophenol	45,200.000	710		5000	ug/L
SSTDICV040	ICVBF082724	Water	2-Methylnaphthalene	40,900.000	1100		5000	ug/L
SSTDICV040	ICVBF082724	Water	2-Methylphenol	41,900.000	1100		5000	ug/L
SSTDICV040	ICVBF082724	Water	2-Nitroaniline	46,400.000	1400		5000	ug/L
SSTDICV040	ICVBF082724	Water	2-Nitrophenol	49,900.000	2000		5000	ug/L
SSTDICV040	ICVBF082724	Water	3+4-Methylphenols	42,600.000	1200		10000	ug/L
SSTDICV040	ICVBF082724	Water	3,3-Dichlorobenzidine	47,400.000	1300		10000	ug/L
SSTDICV040	ICVBF082724	Water	3-Nitroaniline	46,100.000	1400		5000	ug/L
SSTDICV040	ICVBF082724	Water	4,6-Dinitro-2-methylphenol	50,800.000	3100		10000	ug/L
SSTDICV040	ICVBF082724	Water	4-Bromophenyl-phenylether	41,800.000	950		5000	ug/L
SSTDICV040	ICVBF082724	Water	4-Chloro-3-methylphenol	44,200.000	840		5000	ug/L
SSTDICV040	ICVBF082724	Water	4-Chloroaniline	41,200.000	1300		5000	ug/L
SSTDICV040	ICVBF082724	Water	4-Chlorophenyl-phenylether	40,700.000	980		5000	ug/L
SSTDICV040	ICVBF082724	Water	4-Nitroaniline	44,800.000	2000		5000	ug/L
SSTDICV040	ICVBF082724	Water	4-Nitrophenol	45,900.000	2000		10000	ug/L
SSTDICV040	ICVBF082724	Water	Acenaphthene	41,500.000	810		5000	ug/L
SSTDICV040	ICVBF082724	Water	Acenaphthylene	41,400.000	1000		5000	ug/L
SSTDICV040	ICVBF082724	Water	Acetophenone	40,600.000	1100		5000	ug/L
SSTDICV040	ICVBF082724	Water	Aniline	41,600.000	1600		5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BF082724

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF082724	Water	Anthracene	41,200.000		1100	5000	ug/L
SSTDICV040	ICVBF082724	Water	Atrazine	43,400.000		1300	5000	ug/L
SSTDICV040	ICVBF082724	Water	Azobenzene	40,900.000		1200	5000	ug/L
SSTDICV040	ICVBF082724	Water	Benzaldehyde	41,500.000		4000	10000	ug/L
SSTDICV040	ICVBF082724	Water	Benzidine	49,000.000		4100	10000	ug/L
SSTDICV040	ICVBF082724	Water	Benzo(a)anthracene	41,600.000		940	5000	ug/L
SSTDICV040	ICVBF082724	Water	Benzo(a)pyrene	42,300.000		1700	5000	ug/L
SSTDICV040	ICVBF082724	Water	Benzo(b)fluoranthene	40,400.000		1100	5000	ug/L
SSTDICV040	ICVBF082724	Water	Benzo(g,h,i)perylene	41,900.000		1200	5000	ug/L
SSTDICV040	ICVBF082724	Water	Benzo(k)fluoranthene	41,600.000		1200	5000	ug/L
SSTDICV040	ICVBF082724	Water	Benzoic acid	47,500.000		5500	10000	ug/L
SSTDICV040	ICVBF082724	Water	Benzyl Alcohol	43,900.000		1600	10000	ug/L
SSTDICV040	ICVBF082724	Water	bis(2-Chloroethoxy)methane	41,100.000		1000	5000	ug/L
SSTDICV040	ICVBF082724	Water	bis(2-Chloroethyl)ether	40,400.000		1200	5000	ug/L
SSTDICV040	ICVBF082724	Water	Bis(2-ethylhexyl)phthalate	44,100.000		1900	5000	ug/L
SSTDICV040	ICVBF082724	Water	Butylbenzylphthalate	44,600.000		2100	5000	ug/L
SSTDICV040	ICVBF082724	Water	Caprolactam	45,100.000		1700	10000	ug/L
SSTDICV040	ICVBF082724	Water	Carbazole	41,100.000		1200	5000	ug/L
SSTDICV040	ICVBF082724	Water	Chrysene	42,500.000		860	5000	ug/L
SSTDICV040	ICVBF082724	Water	Di-n-butylphthalate	46,900.000		1500	5000	ug/L
SSTDICV040	ICVBF082724	Water	Di-n-octyl phthalate	42,400.000		2500	10000	ug/L
SSTDICV040	ICVBF082724	Water	Dibenzo(a,h)anthracene	42,300.000		1200	5000	ug/L
SSTDICV040	ICVBF082724	Water	Dibenzofuran	41,000.000		930	5000	ug/L
SSTDICV040	ICVBF082724	Water	Diethylphthalate	43,600.000		1000	5000	ug/L
SSTDICV040	ICVBF082724	Water	Dimethylphthalate	43,600.000		930	5000	ug/L
SSTDICV040	ICVBF082724	Water	Fluoranthene	40,300.000		1300	5000	ug/L
SSTDICV040	ICVBF082724	Water	Fluorene	40,700.000		960	5000	ug/L
SSTDICV040	ICVBF082724	Water	Hexachlorobenzene	41,500.000		1100	5000	ug/L
SSTDICV040	ICVBF082724	Water	Hexachlorobutadiene	41,000.000		1300	5000	ug/L
SSTDICV040	ICVBF082724	Water	Hexachlorocyclopentadiene	45,300.000		5000	10000	ug/L
SSTDICV040	ICVBF082724	Water	Hexachloroethane	44,200.000		1000	5000	ug/L
SSTDICV040	ICVBF082724	Water	Indeno(1,2,3-cd)pyrene	42,000.000		1000	5000	ug/L
SSTDICV040	ICVBF082724	Water	Isophorone	41,200.000		1100	5000	ug/L
SSTDICV040	ICVBF082724	Water	n-Nitroso-di-n-propylamine	42,400.000		1500	2500	ug/L
SSTDICV040	ICVBF082724	Water	n-Nitrosodimethylamine	41,600.000		1000	10000	ug/L
SSTDICV040	ICVBF082724	Water	n-Nitrosodiphenylamine	41,200.000		890	5000	ug/L
SSTDICV040	ICVBF082724	Water	Naphthalene	41,100.000		1000	5000	ug/L
SSTDICV040	ICVBF082724	Water	Nitrobenzene	43,800.000		1300	5000	ug/L
SSTDICV040	ICVBF082724	Water	Pentachlorophenol	47,800.000		1900	10000	ug/L
SSTDICV040	ICVBF082724	Water	Phenanthrene	41,000.000		890	5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BF082724

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF082724	Water	Phenol	42,800.000		930	5000	ug/L
SSTDICV040	ICVBF082724	Water	Pyrene	43,500.000		1100	5000	ug/L
SSTDICV040	ICVBF082724	Water	Pyridine	40,900.000		1600	5000	ug/L
SSTDICV040	ICVBF082724	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	93,400.000		2700	10000	ug/L
SSTDICV040	ICVBF082724	Water	Total PAH	665,300.000		17360	80000	ug/L
Total Svoc :				4,214,100.00				
Total Concentration:				4,214,100.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF082724 SAS No.: BF082724 SDG No.: BF082724
Instrument ID: _____ Calibration Date(s): 8/26/2024 : _____
Calibration Time(s): 15:33 _____

LAB FILE ID:		RRF2.5 = BF139164.D			RRF005 = BF139165.D		RRF010 = BF139166.D	
		RRF020 = BF139167.D			RRF040 = BF139168.D		RRF050 = BF139169.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.853	0.785	0.824	0.825	0.791	0.814	2.9
Pyridine		1.563	1.438	1.528	1.404	1.328	1.399	8.9
2-Fluorophenol		1.076	1.155	1.254	1.242	1.198	1.190	5.1
Benzaldehyde		1.251	1.210	1.167	1.004	0.909	1.022	18.8
Aniline		1.598	1.527	1.596	1.550	1.464	1.531	4.1
Phenol-d6		1.662	1.627	1.710	1.661	1.594	1.633	3.0
Phenol		1.617	1.663	1.731	1.702	1.608	1.649	3.5
bis(2-Chloroethyl)ether		1.405	1.315	1.326	1.249	1.233	1.299	4.9
2-Chlorophenol		0.945	1.053	1.195	1.208	1.173	1.131	8.7
1,2-Dichlorobenzene		1.567	1.487	1.475	1.401	1.317	1.408	7.6
1,3-Dichlorobenzene		1.647	1.527	1.546	1.497	1.418	1.491	6.3
1,4-Dichlorobenzene		1.666	1.547	1.537	1.486	1.420	1.496	6.5
Benzyl Alcohol		1.105	1.175	1.301	1.302	1.254	1.231	5.8
2-Methylphenol		1.028	1.012	1.089	1.041	1.013	1.031	2.8
2,2-oxybis(1-Chloropropane)		2.072	1.958	1.985	1.883	1.779	1.883	6.9
Acetophenone		0.543	0.534	0.532	0.526	0.488	0.514	5.0
3+4-Methylphenols		1.295	1.338	1.410	1.363	1.279	1.315	4.6
n-Nitroso-di-n-propylamine	0.877	0.988	1.008	1.046	1.013	0.958	0.977	5.3
Nitrobenzene-d5			0.241	0.328	0.390	0.385	0.361	18.3
Hexachloroethane		0.421	0.439	0.488	0.497	0.482	0.473	6.5
Nitrobenzene		0.204	0.279	0.368	0.427	0.411	0.365	24.6
Isophorone		0.729	0.709	0.733	0.739	0.685	0.714	2.9
2-Nitrophenol		0.040	0.056	0.083	0.116	0.126	0.102	42.3
2,4-Dimethylphenol		0.183	0.199	0.220	0.224	0.216	0.212	7.0
bis(2-Chloroethoxy)methane		0.424	0.418	0.432	0.428	0.395	0.413	4.0
2,4-Dichlorophenol		0.183	0.231	0.279	0.296	0.277	0.261	15.3
1,2,4-Trichlorobenzene		0.355	0.342	0.350	0.346	0.317	0.337	4.6
Benzoic acid			0.079	0.108	0.161	0.167	0.152	32.5
Naphthalene		1.094	1.045	1.066	1.049	0.966	1.023	5.3
4-Chloroaniline		0.358	0.352	0.371	0.361	0.341	0.352	3.5
Hexachlorobutadiene		0.224	0.222	0.226	0.229	0.209	0.219	3.9
Caprolactam			0.060	0.078	0.088	0.084	0.080	13.3
4-Chloro-3-methylphenol		0.251	0.289	0.310	0.325	0.302	0.300	8.1
2-Methylnaphthalene		0.675	0.664	0.676	0.662	0.600	0.641	5.6
Hexachlorocyclopentadiene			0.141	0.180	0.208	0.199	0.190	14.1
2,4,6-Trichlorophenol		0.211	0.275	0.343	0.390	0.358	0.332	19.6

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF082724 SAS No.: BF082724 SDG No.: BF082724
Instrument ID: _____ Calibration Date(s): 8/26/2024 : _____
Calibration Time(s): 15:33 _____

LAB FILE ID:		RRF2.5 = BF139164.D			RRF005 = BF139165.D		RRF010 = BF139166.D	
		RRF020 = BF139167.D			RRF040 = BF139168.D		RRF050 = BF139169.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.443	1.347	1.363	1.317	1.186	1.288	8.4
2,4,5-Trichlorophenol		0.232	0.289	0.368	0.400	0.377	0.348	18.1
1,1-Biphenyl		1.554	1.489	1.523	1.504	1.353	1.448	6.3
2-Chloronaphthalene		1.242	1.173	1.205	1.205	1.079	1.155	6.0
2-Nitroaniline		0.105	0.153	0.240	0.325	0.330	0.268	38.7
Dimethylphthalate		0.987	1.139	1.234	1.254	1.149	1.155	7.6
Acenaphthylene		1.709	1.642	1.709	1.701	1.541	1.627	5.3
2,6-Dinitrotoluene		0.070	0.120	0.183	0.248	0.240	0.197	38.5
3-Nitroaniline		0.087	0.140	0.194	0.253	0.251	0.207	33.6
Acenaphthene		1.114	1.075	1.102	1.112	1.014	1.069	4.1
2,4-Dinitrophenol			0.037	0.055	0.080	0.088	0.080	37.3
4-Nitrophenol			0.107	0.160	0.202	0.197	0.181	22.7
Dibenzofuran		1.674	1.614	1.647	1.612	1.465	1.560	6.5
2,4-Dinitrotoluene		0.085	0.132	0.217	0.301	0.307	0.244	41.4
Diethylphthalate		0.905	1.053	1.181	1.200	1.088	1.088	9.0
4-Chlorophenyl-phenylether		0.664	0.631	0.643	0.626	0.554	0.604	7.9
Fluorene		1.331	1.273	1.307	1.274	1.145	1.231	6.9
4-Nitroaniline		0.107	0.161	0.223	0.267	0.252	0.219	28.4
4,6-Dinitro-2-methylphenol			0.030	0.044	0.070	0.075	0.067	38.0
n-Nitrosodiphenylamine		0.623	0.598	0.606	0.612	0.557	0.592	4.0
Azobenzene		1.369	1.329	1.379	1.389	1.262	1.323	4.6
2,4,6-Tribromophenol			0.128	0.164	0.187	0.177	0.171	13.5
4-Bromophenyl-phenylether		0.226	0.211	0.217	0.218	0.202	0.213	3.9
Hexachlorobenzene		0.244	0.231	0.233	0.237	0.216	0.230	3.9
Atrazine		0.113	0.147	0.154	0.139	0.126	0.129	14.2
Pentachlorophenol			0.096	0.124	0.146	0.143	0.135	15.8
Phenanthrene		1.086	1.053	1.034	1.039	0.950	1.011	5.7
Anthracene		1.051	1.016	1.016	1.013	0.930	0.985	5.2
Carbazole		0.945	0.915	0.921	0.917	0.826	0.881	6.5
Di-n-butylphthalate		0.554	0.693	0.824	0.882	0.802	0.764	14.4
Fluoranthene		1.076	1.070	1.059	1.022	0.903	0.981	10.2
Benzidine		0.281	0.280	0.320	0.379	0.357	0.337	15.6
Pyrene		1.872	1.881	1.984	2.070	1.845	1.879	6.9
Terphenyl-d14		1.319	1.321	1.377	1.380	1.230	1.282	7.8
Butylbenzylphthalate		0.138	0.207	0.315	0.396	0.369	0.318	33.2
3,3-Dichlorobenzidine		0.203	0.272	0.324	0.336	0.308	0.309	18.4

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.: BF082724 SAS No.: BF082724 SDG No.: BF082724
Instrument ID: _____ Calibration Date(s): 8/26/2024 : _____
Calibration Time(s): 15:33 _____

LAB FILE ID:		RRF2.5 = BF139164.D			RRF005 = BF139165.D		RRF010 = BF139166.D	
		RRF020 = BF139167.D			RRF040 = BF139168.D		RRF050 = BF139169.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.378	1.294	1.408	1.380	1.238	1.325	4.8
Chrysene		1.187	1.260	1.198	1.252	1.140	1.195	4.1
Bis(2-ethylhexyl)phthalate		0.153	0.214	0.328	0.432	0.396	0.349	35.5
Di-n-octyl phthalate			0.373	0.570	0.831	0.818	0.752	31.4
Benzo(b)fluoranthene		1.160	1.153	1.289	1.183	1.072	1.170	6.2
Benzo(k)fluoranthene		1.208	1.111	1.002	1.077	1.035	1.058	7.8
Benzo(a)pyrene		0.951	0.965	1.027	1.038	0.970	0.993	3.4
Indeno(1,2,3-cd)pyrene		1.331	1.340	1.405	1.413	1.338	1.368	2.8
Dibenzo(a,h)anthracene		1.102	1.106	1.159	1.154	1.095	1.121	2.7
Benzo(g,h,i)perylene		1.136	1.162	1.194	1.196	1.139	1.159	2.8
1,2,4,5-Tetrachlorobenzene		0.627	0.608	0.620	0.618	0.556	0.593	5.5
1,4-Dioxane		0.593	0.569	0.577	0.561	0.547	0.563	3.4
2,3,4,6-Tetrachlorophenol		0.185	0.233	0.292	0.324	0.297	0.279	18.2
1-Methylnaphthalene		0.668	0.642	0.661	0.647	0.591	0.627	5.8

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.: BF082724 SAS No.: BF082724 SDG NO.: BF082724

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

Lab File ID: BF139168.D Time Analyzed: 20:09

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	105569	6.892	374928	8.18	205270	9.93
UPPER LIMIT	211138	7.392	749856	8.675	410540	10.428
LOWER LIMIT	52784.5	6.392	187464	7.675	102635	9.428
EPA SAMPLE NO.						
01 ICVBF082724	118682	6.89	427062	8.18	235078	9.93
02 PB162871TB	95574	6.89	358333	8.17	207380	9.92

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.: BF082724 SAS No.: BF082724 SDG NO.: BF082724

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

Lab File ID: BF139168.D Time Analyzed: 20:09

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	105569	6.892	374928	8.18	205270	9.93
UPPER LIMIT	211138	7.392	749856	8.675	410540	10.428
LOWER LIMIT	52784.5	6.392	187464	7.675	102635	9.428
EPA SAMPLE NO.						
01 ICVBF082724	118682	6.89	427062	8.18	235078	9.93
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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.: BF082724 SAS No.: BF082724 SDG NO.: BF082724

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

Lab File ID: BF139168.D Time Analyzed: 20:09

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	356452	11.41	176881	14.051	192777	15.521
UPPER LIMIT	712904	11.91	353762	14.551	385554	16.021
LOWER LIMIT	178226	10.91	88440.5	13.551	96388.5	15.021
EPA SAMPLE NO.						
01 ICVBF082724	398437	11.42	192006	14.05	215962	15.52
02 PB162871TB	374547	11.41	233089	14.05	202769	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.: BF082724 SAS No.: BF082724 SDG NO.: BF082724

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

Lab File ID: BF139168.D Time Analyzed: 20:09

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	356452	11.41	176881	14.051	192777	15.521
UPPER LIMIT	712904	11.91	353762	14.551	385554	16.021
LOWER LIMIT	178226	10.91	88440.5	13.551	96388.5	15.021
EPA SAMPLE NO.						
01 ICVBF082724	398437	11.42	192006	14.05	215962	15.52
02 PB162871TB	374547	11.41	233089	14.05	202769	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.



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: _____

Client: _____

Analytical Method:

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBF082724

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF082724

SAS No.: BF082724 SDG NO.: BF082724

Lab File ID: BF139172.D

Lab Sample ID: SSTDICV040

Instrument ID: BNA_F

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 08/26/2024

Level: (low/med) LOW

Time Analyzed: 20:09

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBF082724	SSTDICV040	BF139172.D	08/26/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162871TB

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF082724

SAS No.: BF082724 SDG NO.: BF082724

Lab File ID: BF139173.D

Lab Sample ID: PB162871TB

Instrument ID: BNA_F

Date Extracted: 08/22/2024

Matrix: (soil/water) water

Date Analyzed: 08/26/2024

Level: (low/med) LOW

Time Analyzed: 20:39

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162871TB	PB162871TB	BF139173.D	08/26/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: **BF082724**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV040	ICVBF082724	BF139172.D	2-Fluorophenol	150	86,455.00	57637	*	10	139
			Phenol-d6	150	83,387.00	55591	*	10	134
			Nitrobenzene-d5	100	96,888.00	96888	*	49	133
			2-Fluorobiphenyl	100	80,528.00	80528	*	52	132
			2,4,6-Tribromophenol	150	93,010.00	62007	*	44	137
			Terphenyl-d14	100	85,758.00	85758	*	48	125

Surrogate Summary

SW-846

SDG No.: **BF082724**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162871TB	PB162871TB	BF139173.D	2-Fluorophenol	150	136.65	91		10	139
			Phenol-d6	150	132.73	88		10	134
			Nitrobenzene-d5	100	105.43	105		49	133
			2-Fluorobiphenyl	100	89.48	89		52	132
			2,4,6-Tribromophenol	150	153.41	102		44	137
			Terphenyl-d14	100	90.12	90		48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF082724

Lab Code: CHEM

SAS No.: BF082724

SDG NO.: BF082724

Lab File ID: BF139163.D

DFTPP Injection Date: 08/26/2024

Instrument ID: BNA_F

DFTPP Injection Time: 15:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.9
68	Less than 2.0% of mass 69	0.7 (1.6) 1
69	Mass 69 relative abundance	41.5
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	45.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	28.4
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	78.6
443	15.0 - 24.0% of mass 442	15.3 (19.4) 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	BF139164.D	08/26/2024	15:33
SSTDICC005	SSTDICC005	BF139165.D	08/26/2024	16:03
SSTDICC010	SSTDICC010	BF139166.D	08/26/2024	16:34
SSTDICC020	SSTDICC020	BF139167.D	08/26/2024	17:05
SSTDICCC040	SSTDICCC040	BF139168.D	08/26/2024	17:35
SSTDICC050	SSTDICC050	BF139169.D	08/26/2024	18:06
SSTDICC060	SSTDICC060	BF139170.D	08/26/2024	18:37
SSTDICC080	SSTDICC080	BF139171.D	08/26/2024	19:08
ICVBF082724	SSTDICV040	BF139172.D	08/26/2024	20:09
PB162871TB	PB162871TB	BF139173.D	08/26/2024	20:39