

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM123124 SAS No.: BM123124 SDG No.: BM123124

Instrument ID: BNA_M Calibration Date/Time: 12/31/2024 : 15:50

Lab File ID: BM049306.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): _____

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.625	0.626		0.16	
Pyridine	1.534	1.532		-0.13	
2-Fluorophenol	1.280	1.267		-1.016	
Benzaldehyde	0.942	0.847		-10.085	
Aniline	1.378	1.375		-0.218	
Phenol-d6	1.676	1.707		1.85	
Phenol	1.685	1.692		0.415	20.0
bis(2-Chloroethyl) ether	1.348	1.333		-1.113	
2-Chlorophenol	1.305	1.301		-0.307	
1,2-Dichlorobenzene	1.516	1.504		-0.792	
1,3-Dichlorobenzene	1.551	1.520		-1.999	
1,4-Dichlorobenzene	1.568	1.556		-0.765	20.0
Benzyl Alcohol	1.077	1.107		2.786	
2-Methylphenol	1.047	1.063		1.528	
2,2-oxybis(1-Chloropropane)	1.940	1.919		-1.082	
Acetophenone	0.547	0.548		0.183	
3+4-Methylphenols	1.435	1.478		2.997	
n-Nitroso-di-n-propylamine	1.077	1.135	0.050	5.385	
Nitrobenzene-d5	0.423	0.426		0.709	
Hexachloroethane	0.580	0.579		-0.172	
Nitrobenzene	0.430	0.428		-0.465	
Isophorone	0.726	0.737		1.515	
2-Nitrophenol	0.173	0.179		3.468	20.0
2,4-Dimethylphenol	0.213	0.216		1.408	
bis(2-Chloroethoxy) methane	0.466	0.464		-0.429	
2,4-Dichlorophenol	0.331	0.338		2.115	20.0
1,2,4-Trichlorobenzene	0.409	0.404		-1.222	
Benzoic acid	0.224	0.225		0.446	
Naphthalene	1.087	1.077		-0.92	
4-Chloroaniline	0.372	0.380		2.151	
Hexachlorobutadiene	0.258	0.252		-2.326	20.0
Caprolactam	0.094	0.098		4.255	
4-Chloro-3-methylphenol	0.323	0.333		3.096	20.0
2-Methylnaphthalene	0.747	0.750		0.402	
Hexachlorocyclopentadiene	0.223	0.224	0.050	0.448	
2,4,6-Trichlorophenol	0.432	0.431		-0.231	20.0
2-Fluorobiphenyl	1.535	1.534		-0.065	
2,4,5-Trichlorophenol	0.481	0.480		-0.208	
1,1-Biphenyl	1.517	1.507		-0.659	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM123124 SAS No.: BM123124 SDG No.: BM123124

Instrument ID: BNA_M Calibration Date/Time: 12/31/2024 : 15:50

Lab File ID: BM049306.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): _____

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.247	1.238		-0.722	
2-Nitroaniline	0.330	0.344		4.242	
Dimethylphthalate	1.467	1.456		-0.75	
Acenaphthylene	1.712	1.703		-0.526	
2,6-Dinitrotoluene	0.317	0.322		1.577	
3-Nitroaniline	0.297	0.308		3.704	
Acenaphthene	1.105	1.108		0.271	20.0
2,4-Dinitrophenol	0.171	0.175	0.050	2.339	
4-Nitrophenol	0.246	0.262	0.050	6.504	
Dibenzofuran	1.818	1.804		-0.77	
2,4-Dinitrotoluene	0.423	0.444		4.965	
Diethylphthalate	1.443	1.444		0.069	
4-Chlorophenyl-phenylether	0.807	0.812		0.62	
Fluorene	1.484	1.498		0.943	
4-Nitroaniline	0.302	0.325		7.616	
4,6-Dinitro-2-methylphenol	0.119	0.121		1.681	
n-Nitrosodiphenylamine	0.578	0.585		1.211	20.0
Azobenzene	1.374	1.395		1.528	
2,4,6-Tribromophenol	0.267	0.272		1.873	
4-Bromophenyl-phenylether	0.221	0.221		0.0	
Hexachlorobenzene	0.260	0.258		-0.769	
Atrazine	0.149	0.131		-12.081	
Pentachlorophenol	0.166	0.171		3.012	20.0
Phenanthrene	1.062	1.059		-0.282	
Anthracene	1.017	1.034		1.672	
Carbazole	0.986	1.008		2.231	
Di-n-butylphthalate	1.138	1.183		3.954	
Fluoranthene	1.294	1.308		1.082	20.0
Benzidine	0.245	0.333		35.918	
Pyrene	1.477	1.478		0.068	
Terphenyl-d14	1.208	1.259		4.222	
Butylbenzylphthalate	0.519	0.543		4.624	
3,3-Dichlorobenzidine	0.453	0.477		5.298	
Benzo(a)anthracene	1.424	1.427		0.211	
Chrysene	1.339	1.327		-0.896	
Bis(2-ethylhexyl)phthalate	0.789	0.833		5.577	
Di-n-octyl phthalate	1.270	1.313		3.386	20.0
Benzo(b)fluoranthene	1.333	1.351		1.35	
Benzo(k)fluoranthene	1.296	1.288		-0.617	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM123124 SAS No.: BM123124 SDG No.: BM123124

Instrument ID: BNA_M Calibration Date/Time: 12/31/2024 : 15:50

Lab File ID: BM049306.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): _____

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.136	1.149		1.144	20.0
Indeno(1,2,3-cd)pyrene	1.476	1.474		-0.136	
Dibenzo(a,h)anthracene	1.229	1.227		-0.163	
Benzo(g,h,i)perylene	1.235	1.235		0.0	
1,2,4,5-Tetrachlorobenzene	0.678	0.655		-3.392	
1,4-Dioxane	0.535	0.513		-4.112	20.0
2,3,4,6-Tetrachlorophenol	0.395	0.393		-0.506	
1-Methylnaphthalene	0.741	0.745		0.54	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBM123124			SDG No.:	BM123124		
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
BM049310.D	1		12/31/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	38600		1000	8000	10000	ug/L
110-86-1	Pyridine	38700		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	38500		4000	8000	10000	ug/L
62-53-3	Aniline	39600		1600	4000	5000	ug/L
108-95-2	Phenol	39500		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	39700		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	39700		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	39800		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	39600		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	39600		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	40600		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	40400		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39700		1400	4000	5000	ug/L
98-86-2	Acetophenone	39500		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	40600		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41600		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	39900		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	39500		1300	4000	5000	ug/L
78-59-1	Isophorone	40500		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	41800		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	40600		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39600		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	40900		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	39300		1100	4000	5000	ug/L
65-85-0	Benzoic acid	40700		5500	8000	10000	ug/L
91-20-3	Naphthalene	38900		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	40500		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	39200		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBM123124			SDG No.:	BM123124		
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
BM049310.D	1		12/31/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	41400		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	40600		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	40200		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	39800		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	40500		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	40400		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	39900		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	39700		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	42000		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	39600		930	4000	5000	ug/L
208-96-8	Acenaphthylene	40000		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	41000		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	41500		1400	4000	5000	ug/L
83-32-9	Acenaphthene	39800		810	4000	5000	ug/L
Total PAH	Total PAH	640000		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	40900		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	43000		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	39500		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	42100		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	83100		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	40000		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	40300		980	4000	5000	ug/L
86-73-7	Fluorene	40300		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	42900		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	40700		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	40600		890	4000	5000	ug/L
103-33-3	Azobenzene	40100		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	40200		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	40000		1100	4000	5000	ug/L
1912-24-9	Atrazine	35200		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBM123124			SDG No.:	BM123124		
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
BM049310.D	1		12/31/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	41800		1900	8000	10000	ug/L
85-01-8	Phenanthrene	39900		890	4000	5000	ug/L
120-12-7	Anthracene	40500		1100	4000	5000	ug/L
86-74-8	Carbazole	40600		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	41600		1500	4000	5000	ug/L
206-44-0	Fluoranthene	40400		1300	4000	5000	ug/L
92-87-5	Benzidine	50100		4100	8000	10000	ug/L
129-00-0	Pyrene	39800		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	42200		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	42000		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	40100		940	4000	5000	ug/L
218-01-9	Chrysene	39400		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	42500		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	41900		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	39500		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	40400		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	39800		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	40600		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	40700		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	39900		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39800		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	38700		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	40300		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	40000		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	79870	*	10-139		53247	SPK: -150
13127-88-3	Phenol-d6	80448	*	10-134		53632	SPK: -150
4165-60-0	Nitrobenzene-d5	79831	*	49-133		79831	SPK: -100
321-60-8	2-Fluorobiphenyl	79975	*	52-132		79975	SPK: -100

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBM123124			SDG No.:	BM123124		
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
BM049310.D	1		12/31/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	81560	*	44-137		54373	SPK: -150
1718-51-0	Terphenyl-d14	81976	*	48-125		81976	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	195354	7.528				
1146-65-2	Naphthalene-d8	747323	10.292				
15067-26-2	Acenaphthene-d10	482842	14.169				
1517-22-2	Phenanthrene-d10	992559	16.921				
1719-03-5	Chrysene-d12	922080	21.15				
1520-96-3	Perylene-d12	959149	23.938				

Report of Analysis

Client:		Date Collected:	12/27/2024 12:00:00 AM
Project:		Date Received:	12/27/2024 12:00:00 AM
Client Sample ID:	PB165894BL	SDG No.:	BM123124
Lab Sample ID:	PB165894BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	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
BM049311.D	1	12/27/2024 12:00:00 AM	12/31/2024 12:00:00 AM	PB165894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/27/2024 12:00:00 AM
Project:		Date Received:	12/27/2024 12:00:00 AM
Client Sample ID:	PB165894BL	SDG No.:	BM123124
Lab Sample ID:	PB165894BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 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
BM049311.D	1	12/27/2024 12:00:00 AM	12/31/2024 12:00:00 AM	PB165894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	12/27/2024 12:00:00 AM
Project:		Date Received:	12/27/2024 12:00:00 AM
Client Sample ID:	PB165894BL	SDG No.:	BM123124
Lab Sample ID:	PB165894BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	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
BM049311.D	1	12/27/2024 12:00:00 AM	12/31/2024 12:00:00 AM	PB165894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	178.058		10-139		119	SPK: -150
13127-88-3	Phenol-d6	165.59		10-134		110	SPK: -150
4165-60-0	Nitrobenzene-d5	113.779		49-133		114	SPK: -100
321-60-8	2-Fluorobiphenyl	118.053		52-132		118	SPK: -100

Report of Analysis

Client:		Date Collected:	12/27/2024 12:00:00 AM
Project:		Date Received:	12/27/2024 12:00:00 AM
Client Sample ID:	PB165894BL	SDG No.:	BM123124
Lab Sample ID:	PB165894BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 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
BM049311.D	1	12/27/2024 12:00:00 AM	12/31/2024 12:00:00 AM	PB165894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	172.375		44-137		115	SPK: -150
1718-51-0	Terphenyl-d14	138.481	*	48-125		138	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	159339	7.528				
1146-65-2	Naphthalene-d8	552549	10.292				
15067-26-2	Acenaphthene-d10	333009	14.169				
1517-22-2	Phenanthrene-d10	628110	16.921				
1719-03-5	Chrysene-d12	535240	21.15				
1520-96-3	Perylene-d12	541026	23.933				

Hit Summary Sheet SW-846

SDG No.: BM123124

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : ICVBM123124								
SSTDICV040	ICVBM123124	Water	1,1-Biphenyl	39,900.000		910	5000	ug/L
SSTDICV040	ICVBM123124	Water	1,2,4,5-Tetrachlorobenzene	39,800.000		1100	5000	ug/L
SSTDICV040	ICVBM123124	Water	1,2,4-Trichlorobenzene	39,300.000		1100	5000	ug/L
SSTDICV040	ICVBM123124	Water	1,2-Dichlorobenzene	39,800.000		880	5000	ug/L
SSTDICV040	ICVBM123124	Water	1,3-Dichlorobenzene	39,600.000		800	5000	ug/L
SSTDICV040	ICVBM123124	Water	1,4-Dichlorobenzene	39,600.000		840	5000	ug/L
SSTDICV040	ICVBM123124	Water	1,4-Dioxane	38,700.000		1300	5000	ug/L
SSTDICV040	ICVBM123124	Water	1-Methylnaphthalene	40,000.000		860	5000	ug/L
SSTDICV040	ICVBM123124	Water	2,2-oxybis(1-Chloropropane)	39,700.000		1400	5000	ug/L
SSTDICV040	ICVBM123124	Water	2,3,4,6-Tetrachlorophenol	40,300.000		790	5000	ug/L
SSTDICV040	ICVBM123124	Water	2,4,5-Trichlorophenol	40,400.000		1000	5000	ug/L
SSTDICV040	ICVBM123124	Water	2,4,6-Trichlorophenol	40,500.000		890	5000	ug/L
SSTDICV040	ICVBM123124	Water	2,4-Dichlorophenol	40,900.000		880	5000	ug/L
SSTDICV040	ICVBM123124	Water	2,4-Dimethylphenol	40,600.000		1500	5000	ug/L
SSTDICV040	ICVBM123124	Water	2,4-Dinitrophenol	40,900.000		6400	10000	ug/L
SSTDICV040	ICVBM123124	Water	2,4-Dinitrotoluene	42,100.000		1500	5000	ug/L
SSTDICV040	ICVBM123124	Water	2,6-Dinitrotoluene	41,000.000		1200	5000	ug/L
SSTDICV040	ICVBM123124	Water	2-Chloronaphthalene	39,700.000		970	5000	ug/L
SSTDICV040	ICVBM123124	Water	2-Chlorophenol	39,700.000		710	5000	ug/L
SSTDICV040	ICVBM123124	Water	2-Methylnaphthalene	40,200.000		1100	5000	ug/L
SSTDICV040	ICVBM123124	Water	2-Methylphenol	40,400.000		1100	5000	ug/L
SSTDICV040	ICVBM123124	Water	2-Nitroaniline	42,000.000		1400	5000	ug/L
SSTDICV040	ICVBM123124	Water	2-Nitrophenol	41,800.000		2000	5000	ug/L
SSTDICV040	ICVBM123124	Water	3+4-Methylphenols	40,600.000		1200	10000	ug/L
SSTDICV040	ICVBM123124	Water	3,3-Dichlorobenzidine	42,000.000		1300	10000	ug/L
SSTDICV040	ICVBM123124	Water	3-Nitroaniline	41,500.000		1400	5000	ug/L
SSTDICV040	ICVBM123124	Water	4,6-Dinitro-2-methylphenol	40,700.000		3100	10000	ug/L
SSTDICV040	ICVBM123124	Water	4-Bromophenyl-phenylether	40,200.000		950	5000	ug/L
SSTDICV040	ICVBM123124	Water	4-Chloro-3-methylphenol	40,600.000		840	5000	ug/L
SSTDICV040	ICVBM123124	Water	4-Chloroaniline	40,500.000		1300	5000	ug/L
SSTDICV040	ICVBM123124	Water	4-Chlorophenyl-phenylether	40,300.000		980	5000	ug/L
SSTDICV040	ICVBM123124	Water	4-Nitroaniline	42,900.000		2000	5000	ug/L
SSTDICV040	ICVBM123124	Water	4-Nitrophenol	43,000.000		2000	10000	ug/L
SSTDICV040	ICVBM123124	Water	Acenaphthene	39,800.000		810	5000	ug/L
SSTDICV040	ICVBM123124	Water	Acenaphthylene	40,000.000		1000	5000	ug/L
SSTDICV040	ICVBM123124	Water	Acetophenone	39,500.000		1100	5000	ug/L
SSTDICV040	ICVBM123124	Water	Aniline	39,600.000		1600	5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BM123124

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBM123124	Water	Anthracene	40,500.000		1100	5000	ug/L
SSTDICV040	ICVBM123124	Water	Atrazine	35,200.000		1300	5000	ug/L
SSTDICV040	ICVBM123124	Water	Azobenzene	40,100.000		1200	5000	ug/L
SSTDICV040	ICVBM123124	Water	Benzaldehyde	38,500.000		4000	10000	ug/L
SSTDICV040	ICVBM123124	Water	Benzidine	50,100.000		4100	10000	ug/L
SSTDICV040	ICVBM123124	Water	Benzo(a)anthracene	40,100.000		940	5000	ug/L
SSTDICV040	ICVBM123124	Water	Benzo(a)pyrene	39,800.000		1700	5000	ug/L
SSTDICV040	ICVBM123124	Water	Benzo(b)fluoranthene	39,500.000		1100	5000	ug/L
SSTDICV040	ICVBM123124	Water	Benzo(g,h,i)perylene	39,900.000		1200	5000	ug/L
SSTDICV040	ICVBM123124	Water	Benzo(k)fluoranthene	40,400.000		1200	5000	ug/L
SSTDICV040	ICVBM123124	Water	Benzoic acid	40,700.000		5500	10000	ug/L
SSTDICV040	ICVBM123124	Water	Benzyl Alcohol	40,600.000		1600	10000	ug/L
SSTDICV040	ICVBM123124	Water	bis(2-Chloroethoxy)methane	39,600.000		1000	5000	ug/L
SSTDICV040	ICVBM123124	Water	bis(2-Chloroethyl)ether	39,700.000		1200	5000	ug/L
SSTDICV040	ICVBM123124	Water	Bis(2-ethylhexyl)phthalate	42,500.000		1900	5000	ug/L
SSTDICV040	ICVBM123124	Water	Butylbenzylphthalate	42,200.000		2100	5000	ug/L
SSTDICV040	ICVBM123124	Water	Caprolactam	41,400.000		1700	10000	ug/L
SSTDICV040	ICVBM123124	Water	Carbazole	40,600.000		1200	5000	ug/L
SSTDICV040	ICVBM123124	Water	Chrysene	39,400.000		860	5000	ug/L
SSTDICV040	ICVBM123124	Water	Di-n-butylphthalate	41,600.000		1500	5000	ug/L
SSTDICV040	ICVBM123124	Water	Di-n-octyl phthalate	41,900.000		2500	10000	ug/L
SSTDICV040	ICVBM123124	Water	Dibenzo(a,h)anthracene	40,700.000		1200	5000	ug/L
SSTDICV040	ICVBM123124	Water	Dibenzofuran	39,500.000		930	5000	ug/L
SSTDICV040	ICVBM123124	Water	Diethylphthalate	40,000.000		1000	5000	ug/L
SSTDICV040	ICVBM123124	Water	Dimethylphthalate	39,600.000		930	5000	ug/L
SSTDICV040	ICVBM123124	Water	Fluoranthene	40,400.000		1300	5000	ug/L
SSTDICV040	ICVBM123124	Water	Fluorene	40,300.000		960	5000	ug/L
SSTDICV040	ICVBM123124	Water	Hexachlorobenzene	40,000.000		1100	5000	ug/L
SSTDICV040	ICVBM123124	Water	Hexachlorobutadiene	39,200.000		1300	5000	ug/L
SSTDICV040	ICVBM123124	Water	Hexachlorocyclopentadiene	39,800.000		5000	10000	ug/L
SSTDICV040	ICVBM123124	Water	Hexachloroethane	39,900.000		1000	5000	ug/L
SSTDICV040	ICVBM123124	Water	Indeno(1,2,3-cd)pyrene	40,600.000		1000	5000	ug/L
SSTDICV040	ICVBM123124	Water	Isophorone	40,500.000		1100	5000	ug/L
SSTDICV040	ICVBM123124	Water	n-Nitroso-di-n-propylamine	41,600.000		1500	2500	ug/L
SSTDICV040	ICVBM123124	Water	n-Nitrosodimethylamine	38,600.000		1000	10000	ug/L
SSTDICV040	ICVBM123124	Water	n-Nitrosodiphenylamine	40,600.000		890	5000	ug/L
SSTDICV040	ICVBM123124	Water	Naphthalene	38,900.000		1000	5000	ug/L
SSTDICV040	ICVBM123124	Water	Nitrobenzene	39,500.000		1300	5000	ug/L
SSTDICV040	ICVBM123124	Water	Pentachlorophenol	41,800.000		1900	10000	ug/L
SSTDICV040	ICVBM123124	Water	Phenanthrene	39,900.000		890	5000	ug/L



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

Hit Summary Sheet
SW-846

SDG No.: BM123124

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBM123124	Water	Phenol	39,500.000		930	5000	ug/L
SSTDICV040	ICVBM123124	Water	Pyrene	39,800.000		1100	5000	ug/L
SSTDICV040	ICVBM123124	Water	Pyridine	38,700.000		1600	5000	ug/L
SSTDICV040	ICVBM123124	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	83,100.000		2700	10000	ug/L
SSTDICV040	ICVBM123124	Water	Total PAH	640,000.000		17360	80000	ug/L
Total Svoc :				3,954,900.00				
Total Concentration:				3,954,900.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM123124 SAS No.: BM123124 SDG No.: BM123124
Instrument ID: _____ Calibration Date(s): 12/31/2024
Calibration Time(s): 13:14

LAB FILE ID:		RRF2.5 = BM049302.D			RRF005 = BM049303.D		RRF010 = BM049304.D	
		RRF020 = BM049305.D			RRF040 = BM049306.D		RRF050 = BM049307.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.656	0.630	0.643	0.626	0.604	0.625	3.5
Pyridine		1.565	1.569	1.553	1.532	1.498	1.534	2.3
2-Fluorophenol		1.280	1.251	1.301	1.267	1.279	1.280	1.9
Benzaldehyde		1.164	1.070	1.015	0.847	0.782	0.942	17.3
Aniline		1.408	1.390	1.411	1.375	1.369	1.378	2.8
Phenol-d6		1.561	1.602	1.674	1.707	1.696	1.676	4.5
Phenol		1.631	1.642	1.680	1.692	1.680	1.685	2.8
bis(2-Chloroethyl)ether		1.354	1.305	1.384	1.333	1.334	1.348	2.4
2-Chlorophenol		1.262	1.262	1.317	1.301	1.301	1.305	2.9
1,2-Dichlorobenzene		1.561	1.507	1.533	1.504	1.489	1.516	2.2
1,3-Dichlorobenzene		1.591	1.565	1.571	1.520	1.525	1.551	2.1
1,4-Dichlorobenzene		1.644	1.555	1.574	1.556	1.533	1.568	2.5
Benzyl Alcohol		0.967	0.991	1.068	1.107	1.099	1.077	6.9
2-Methylphenol		0.991	0.997	1.042	1.063	1.059	1.047	4.1
2,2-oxybis(1-Chloropropane)		2.006	1.956	1.988	1.919	1.904	1.940	2.9
Acetophenone		0.534	0.531	0.554	0.548	0.555	0.547	2.5
3+4-Methylphenols		1.283	1.344	1.438	1.478	1.469	1.435	6.5
n-Nitroso-di-n-propylamine	0.937	1.017	1.054	1.107	1.135	1.107	1.077	7.0
Nitrobenzene-d5		0.398	0.402	0.428	0.426	0.436	0.423	4.1
Hexachloroethane		0.591	0.578	0.589	0.579	0.575	0.580	1.9
Nitrobenzene		0.413	0.422	0.441	0.428	0.439	0.430	2.7
Isophorone		0.662	0.690	0.734	0.737	0.746	0.726	5.2
2-Nitrophenol		0.141	0.151	0.170	0.179	0.186	0.173	11.8
2,4-Dimethylphenol		0.194	0.194	0.216	0.216	0.219	0.213	6.5
bis(2-Chloroethoxy)methane		0.446	0.449	0.476	0.464	0.473	0.466	3.2
2,4-Dichlorophenol		0.287	0.304	0.335	0.338	0.347	0.331	7.9
1,2,4-Trichlorobenzene		0.405	0.400	0.418	0.404	0.408	0.409	1.9
Benzoic acid			0.165	0.206	0.225	0.240	0.224	15.2
Naphthalene		1.067	1.053	1.095	1.077	1.097	1.087	2.3
4-Chloroaniline		0.333	0.346	0.376	0.380	0.385	0.372	6.4
Hexachlorobutadiene		0.263	0.254	0.265	0.252	0.258	0.258	2.0
Caprolactam		0.074	0.082	0.094	0.098	0.101	0.094	12.4
4-Chloro-3-methylphenol		0.275	0.297	0.329	0.333	0.338	0.323	8.4
2-Methylnaphthalene		0.704	0.700	0.751	0.750	0.765	0.747	4.7
Hexachlorocyclopentadiene		0.209	0.206	0.225	0.224	0.233	0.223	5.2
2,4,6-Trichlorophenol		0.389	0.400	0.425	0.431	0.449	0.432	7.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM

Case No.: BM123124

SAS No.: BM123124

SDG No.: BM123124

Instrument ID:

Calibration Date(s): 12/31/2024

Calibration Time(s): 13:14

LAB FILE ID:		RRF2.5 = BM049302.D			RRF005 = BM049303.D		RRF010 = BM049304.D	
		RRF020 = BM049305.D			RRF040 = BM049306.D		RRF050 = BM049307.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.499	1.481	1.541	1.534	1.563	1.535	2.4
2,4,5-Trichlorophenol		0.436	0.443	0.477	0.480	0.496	0.481	6.6
1,1-Biphenyl		1.476	1.445	1.502	1.507	1.545	1.517	3.3
2-Chloronaphthalene		1.201	1.208	1.246	1.238	1.265	1.247	2.8
2-Nitroaniline		0.264	0.284	0.327	0.344	0.355	0.330	12.5
Dimethylphthalate		1.394	1.435	1.484	1.456	1.490	1.467	2.9
Acenaphthylene		1.596	1.624	1.701	1.703	1.748	1.712	4.8
2,6-Dinitrotoluene		0.271	0.289	0.321	0.322	0.332	0.317	8.7
3-Nitroaniline		0.228	0.255	0.295	0.308	0.322	0.297	13.9
Acenaphthene		1.043	1.030	1.095	1.108	1.134	1.105	4.9
2,4-Dinitrophenol			0.115	0.152	0.175	0.186	0.171	19.0
4-Nitrophenol		0.162	0.206	0.244	0.262	0.273	0.246	18.9
Dibenzofuran		1.790	1.771	1.829	1.804	1.836	1.818	1.9
2,4-Dinitrotoluene		0.318	0.366	0.419	0.444	0.458	0.423	14.3
Diethylphthalate		1.334	1.383	1.449	1.444	1.479	1.443	4.5
4-Chlorophenyl-phenylether		0.760	0.771	0.809	0.812	0.829	0.807	3.9
Fluorene		1.378	1.405	1.496	1.498	1.533	1.484	4.7
4-Nitroaniline		0.207	0.251	0.298	0.325	0.335	0.302	17.9
4,6-Dinitro-2-methylphenol			0.091	0.109	0.121	0.125	0.119	14.0
n-Nitrosodiphenylamine		0.522	0.536	0.578	0.585	0.601	0.578	6.3
Azobenzene		1.247	1.303	1.399	1.395	1.415	1.374	5.2
2,4,6-Tribromophenol		0.225	0.236	0.261	0.272	0.282	0.267	10.5
4-Bromophenyl-phenylether		0.203	0.205	0.218	0.221	0.228	0.221	5.8
Hexachlorobenzene		0.248	0.242	0.255	0.258	0.266	0.260	5.0
Atrazine		0.177	0.173	0.168	0.131	0.127	0.149	17.5
Pentachlorophenol		0.130	0.141	0.164	0.171	0.178	0.166	13.7
Phenanthrene		1.015	1.002	1.059	1.059	1.082	1.062	4.0
Anthracene		0.934	0.933	1.009	1.034	1.055	1.017	6.2
Carbazole		0.872	0.910	0.986	1.008	1.030	0.986	7.1
Di-n-butylphthalate		0.964	1.001	1.127	1.183	1.208	1.138	10.1
Fluoranthene		1.167	1.185	1.273	1.308	1.336	1.294	7.1
Benzidine		0.187	0.181	0.224	0.333	0.339	0.245	26.6
Pyrene		1.377	1.392	1.464	1.478	1.503	1.477	5.1
Terphenyl-d14		1.077	1.106	1.213	1.259	1.274	1.208	7.1
Butylbenzylphthalate		0.421	0.444	0.506	0.543	0.562	0.519	12.4
3,3-Dichlorobenzidine		0.376	0.401	0.451	0.477	0.494	0.453	10.4

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.: BM123124 SAS No.: BM123124 SDG No.: BM123124
Instrument ID: _____ Calibration Date(s): 12/31/2024
Calibration Time(s): 13:14

LAB FILE ID:		RRF2.5 = BM049302.D			RRF005 = BM049303.D		RRF010 = BM049304.D	
		RRF020 = BM049305.D			RRF040 = BM049306.D		RRF050 = BM049307.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.330	1.333	1.417	1.427	1.473	1.424	5.0
Chrysene		1.248	1.276	1.351	1.327	1.370	1.339	4.5
Bis(2-ethylhexyl)phthalate		0.632	0.681	0.778	0.833	0.860	0.789	12.3
Di-n-octyl phthalate		0.989	1.091	1.228	1.313	1.379	1.270	13.9
Benzo(b)fluoranthene		1.184	1.190	1.283	1.351	1.401	1.333	8.8
Benzo(k)fluoranthene		1.138	1.169	1.281	1.288	1.335	1.296	8.8
Benzo(a)pyrene		0.980	1.018	1.109	1.149	1.192	1.136	9.5
Indeno(1,2,3-cd)pyrene		1.318	1.339	1.420	1.474	1.553	1.476	8.4
Dibenzo(a,h)anthracene		1.106	1.108	1.190	1.227	1.292	1.229	8.1
Benzo(g,h,i)perylene		1.149	1.132	1.202	1.235	1.284	1.235	6.3
1,2,4,5-Tetrachlorobenzene		0.668	0.648	0.668	0.655	0.682	0.678	3.9
1,4-Dioxane		0.617	0.553	0.552	0.513	0.505	0.535	8.1
2,3,4,6-Tetrachlorophenol		0.358	0.369	0.388	0.393	0.410	0.395	6.5
1-Methylnaphthalene		0.693	0.702	0.745	0.745	0.755	0.741	4.5

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.: BM123124 SAS No.: BM123124 SDG NO.: BM123124

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

Lab File ID: BM049306.D Time Analyzed: 18:27

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	176184	7.528	676717	10.29	445248	14.17
UPPER LIMIT	352368	8.028	1353434	10.792	890496	14.668
LOWER LIMIT	88092	7.028	338358.5	9.792	222624	13.668
EPA SAMPLE NO.						
01 ICVBM123124	195354	7.53	747323	10.29	482842	14.17
02 PB165894BL	159339	7.53	552549	10.29	333009	14.17

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.: BM123124 SAS No.: BM123124 SDG NO.: BM123124

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

Lab File ID: BM049306.D Time Analyzed: 18:27

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	176184	7.528	676717	10.29	445248	14.17
UPPER LIMIT	352368	8.028	1353434	10.792	890496	14.668
LOWER LIMIT	88092	7.028	338358.5	9.792	222624	13.668
EPA SAMPLE NO.						
01 ICVBM123124	195354	7.53	747323	10.29	482842	14.17
02 PB165894BL	159339	7.53	552549	10.29	333009	14.17

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

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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.: BM123124 SAS No.: BM123124 SDG NO.: BM123124

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

Lab File ID: BM049306.D Time Analyzed: 18:27

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	915317	16.921	852637	21.15	886885	23.938
UPPER LIMIT	1830634	17.421	1705274	21.65	1773770	24.438
LOWER LIMIT	457658.5	16.421	426318.5	20.65	443442.5	23.438
EPA SAMPLE NO.						
01 ICVBM123124	992559	16.92	922080	21.15	959149	23.94
02 PB165894BL	628110	16.92	535240	21.15	541026	23.93

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.: BM123124 SAS No.: BM123124 SDG NO.: BM123124

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

Lab File ID: BM049306.D Time Analyzed: 18:27

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	915317	16.921	852637	21.15	886885	23.938
UPPER LIMIT	1830634	17.421	1705274	21.65	1773770	24.438
LOWER LIMIT	457658.5	16.421	426318.5	20.65	443442.5	23.438
EPA SAMPLE NO.						
01 ICVBM123124	992559	16.92	922080	21.15	959149	23.94
02 PB165894BL	628110	16.92	535240	21.15	541026	23.93

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.

ICVBM123124

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM123124

SAS No.: BM123124 SDG NO.: BM123124

Lab File ID: BM049310.D

Lab Sample ID: SSTDICV040

Instrument ID: BNA_M

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 12/31/2024

Level: (low/med) LOW

Time Analyzed: 18:27

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBM123124	SSTDICV040	BM049310.D	12/31/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165894BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM123124

SAS No.: BM123124 SDG NO.: BM123124

Lab File ID: BM049311.D

Lab Sample ID: PB165894BL

Instrument ID: BNA_M

Date Extracted: 12/27/2024

Matrix: (soil/water) water

Date Analyzed: 12/31/2024

Level: (low/med) LOW

Time Analyzed: 19:06

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

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

COMMENTS:



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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM123124

Client: _____

Analytical Method: _____

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
-----------	-------	------------------	--------	-------	-----	-------------	-----	-------------	-----	----------------	-----

Lab Sample ID:

Client Sample ID:

DataFile:

Surrogate Summary

SW-846

SDG No.: BM123124

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV040	ICVBM123124	BM049310.D	2-Fluorophenol	150	79,870.00	53247	*	10	139
			Phenol-d6	150	80,448.00	53632	*	10	134
			Nitrobenzene-d5	100	79,831.00	79831	*	49	133
			2-Fluorobiphenyl	100	79,975.00	79975	*	52	132
			2,4,6-Tribromophenol	150	81,560.00	54373	*	44	137
			Terphenyl-d14	100	81,976.00	81976	*	48	125

Surrogate Summary

SW-846

SDG No.: BM123124

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165894BL	PB165894BL	BM049311.D	2-Fluorophenol	150	178.06	119		10	139
			Phenol-d6	150	165.59	110		10	134
			Nitrobenzene-d5	100	113.78	114		49	133
			2-Fluorobiphenyl	100	118.05	118		52	132
			2,4,6-Tribromophenol	150	172.38	115		44	137
			Terphenyl-d14	100	138.48	138	*	48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM123124

Lab Code: CHEM

SAS No.: BM123124

SDG NO.: BM123124

Lab File ID: BM049301.D

DFTPP Injection Date: 12/31/2024

Instrument ID: BNA_M

DFTPP Injection Time: 12:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.9
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	33.4
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	40.4
197	Less than 2.0% of mass 198	0.4
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	23.8
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	11.3
442	Greater than 50% of mass 198	69
443	15.0 - 24.0% of mass 442	13.2 (19.1) 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	BM049302.D	12/31/2024	13:14
SSTDICC005	SSTDICC005	BM049303.D	12/31/2024	13:53
SSTDICC010	SSTDICC010	BM049304.D	12/31/2024	14:32
SSTDICC020	SSTDICC020	BM049305.D	12/31/2024	15:11
SSTDICCC040	SSTDICCC040	BM049306.D	12/31/2024	15:50
SSTDICC050	SSTDICC050	BM049307.D	12/31/2024	16:30
SSTDICC060	SSTDICC060	BM049308.D	12/31/2024	17:09
SSTDICC080	SSTDICC080	BM049309.D	12/31/2024	17:48
ICVBM123124	SSTDICV040	BM049310.D	12/31/2024	18:27
PB165894BL	PB165894BL	BM049311.D	12/31/2024	19:06