

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM010325 SAS No.: BM010325 SDG No.: BM010325
Instrument ID: BNA_M Calibration Date/Time: 1/3/2025 12:14:33
Lab File ID: BM049328.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	0.624	0.609		-2.404	
Pyridine	1.470	1.436		-2.313	
2-Fluorophenol	1.271	1.262		-0.708	
Benzaldehyde	0.921	0.864		-6.189	
Aniline	1.315	1.301		-1.065	
Phenol-d6	1.630	1.623		-0.429	
Phenol	1.621	1.596		-1.542	20.0
bis(2-Chloroethyl)ether	1.306	1.294		-0.919	
2-Chlorophenol	1.277	1.255		-1.723	
1,2-Dichlorobenzene	1.506	1.474		-2.125	
1,3-Dichlorobenzene	1.547	1.506		-2.65	
1,4-Dichlorobenzene	1.561	1.524		-2.37	20.0
Benzyl Alcohol	1.035	1.025		-0.966	
2-Methylphenol	1.003	0.999		-0.399	
2,2-oxybis(1-Chloropropane)	1.892	1.843		-2.59	
Acetophenone	0.539	0.536		-0.557	
3+4-Methylphenols	1.373	1.380		0.51	
n-Nitroso-di-n-propylamine	1.036	1.047	0.050	1.062	
Nitrobenzene-d5	0.421	0.424		0.713	
Hexachloroethane	0.579	0.572		-1.209	
Nitrobenzene	0.428	0.424		-0.935	
Isophorone	0.710	0.706		-0.563	
2-Nitrophenol	0.170	0.174		2.353	20.0
2,4-Dimethylphenol	0.210	0.211		0.476	
bis(2-Chloroethoxy)methane	0.461	0.456		-1.085	
2,4-Dichlorophenol	0.333	0.334		0.3	20.0
1,2,4-Trichlorobenzene	0.414	0.407		-1.691	
Benzoic acid	0.217	0.215		-0.922	
Naphthalene	1.079	1.061		-1.668	
4-Chloroaniline	0.362	0.363		0.276	
Hexachlorobutadiene	0.265	0.258		-2.642	20.0
Caprolactam	0.092	0.092		0.0	
4-Chloro-3-methylphenol	0.318	0.316		-0.629	20.0
2-Methylnaphthalene	0.742	0.734		-1.078	
Hexachlorocyclopentadiene	0.228	0.236	0.050	3.509	
2,4,6-Trichlorophenol	0.435	0.441		1.379	20.0
2-Fluorobiphenyl	1.539	1.550		0.715	
2,4,5-Trichlorophenol	0.481	0.484		0.624	
1,1-Biphenyl	1.513	1.515		0.132	

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM010325 SAS No.: BM010325 SDG No.: BM010325

Instrument ID: BNA_M Calibration Date/Time: 1/3/2025 12:14:33

Lab File ID: BM049328.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	1.243	1.245		0.161	
2-Nitroaniline	0.327	0.336		2.752	
Dimethylphthalate	1.476	1.452		-1.626	
Acenaphthylene	1.705	1.703		-0.117	
2,6-Dinitrotoluene	0.316	0.320		1.266	
3-Nitroaniline	0.292	0.302		3.425	
Acenaphthene	1.103	1.101		-0.181	20.0
2,4-Dinitrophenol	0.162	0.161	0.050	-0.617	
4-Nitrophenol	0.257	0.254	0.050	-1.167	
Dibenzofuran	1.816	1.802		-0.771	
2,4-Dinitrotoluene	0.422	0.435		3.081	
Diethylphthalate	1.453	1.435		-1.239	
4-Chlorophenyl-phenylether	0.809	0.805		-0.494	
Fluorene	1.492	1.503		0.737	
4-Nitroaniline	0.300	0.313		4.333	
4,6-Dinitro-2-methylphenol	0.115	0.121		5.217	
n-Nitrosodiphenylamine	0.579	0.605		4.491	20.0
Azobenzene	1.381	1.377		-0.29	
2,4,6-Tribromophenol	0.267	0.269		0.749	
4-Bromophenyl-phenylether	0.219	0.226		3.196	
Hexachlorobenzene	0.262	0.268		2.29	
Atrazine	0.157	0.153		-2.548	
Pentachlorophenol	0.167	0.178		6.587	20.0
Phenanthrene	1.068	1.099		2.903	
Anthracene	1.019	1.059		3.925	
Carbazole	0.986	1.024		3.854	
Di-n-butylphthalate	1.184	1.239		4.645	
Fluoranthene	1.313	1.339		1.98	20.0
Benzidine	0.297	0.351		18.182	
Pyrene	1.458	1.408		-3.429	
Terphenyl-d14	1.208	1.211		0.248	
Butylbenzylphthalate	0.524	0.514		-1.908	
3,3-Dichlorobenzidine	0.450	0.448		-0.444	
Benzo(a)anthracene	1.414	1.366		-3.395	
Chrysene	1.326	1.266		-4.525	
Bis(2-ethylhexyl)phthalate	0.804	0.806		0.249	
Di-n-octyl phthalate	1.274	1.253		-1.648	20.0
Benzo(b)fluoranthene	1.347	1.349		0.148	
Benzo(k)fluoranthene	1.316	1.329		0.988	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BM010325 SAS No.: BM010325 SDG No.: BM010325
 Instrument ID: BNA_M Calibration Date/Time: 1/3/2025 12:14:33
 Lab File ID: BM049328.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	1.139	1.148		0.79	20.0
Indeno(1,2,3-cd)pyrene	1.464	1.473		0.615	
Dibenzo(a,h)anthracene	1.222	1.228		0.491	
Benzo(g,h,i)perylene	1.222	1.229		0.573	
1,2,4,5-Tetrachlorobenzene	0.688	0.684		-0.581	
1,4-Dioxane	0.538	0.506		-5.948	20.0
2,3,4,6-Tetrachlorophenol	0.397	0.395		-0.504	
1-Methylnaphthalene	0.735	0.726		-1.224	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBM010325			SDG No.:	BM010325		
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
BM049332.D	1		1/3/2025 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	38500		1000	8000	10000	ug/L
110-86-1	Pyridine	38500		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	39100		4000	8000	10000	ug/L
62-53-3	Aniline	39900		1600	4000	5000	ug/L
108-95-2	Phenol	39900		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	39300		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	39700		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	39300		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	39400		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	39500		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	40400		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	40000		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38900		1400	4000	5000	ug/L
98-86-2	Acetophenone	39700		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	40700		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40800		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	39000		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	39100		1300	4000	5000	ug/L
78-59-1	Isophorone	39900		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	41500		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	40400		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	41100		5500	8000	10000	ug/L
91-20-3	Naphthalene	39300		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	40600		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	39300		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBM010325			SDG No.:	BM010325		
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
BM049332.D	1		1/3/2025 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	41600		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	40300		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	40300		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	39400		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	40200		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	39900		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	39500		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	39400		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	41000		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	39200		930	4000	5000	ug/L
208-96-8	Acenaphthylene	39500		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	40600		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	41100		1400	4000	5000	ug/L
83-32-9	Acenaphthene	40100		810	4000	5000	ug/L
Total PAH	Total PAH	641900		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	38900		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	39800		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	39200		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	41500		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	82100		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	39400		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	39700		980	4000	5000	ug/L
86-73-7	Fluorene	39600		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	42300		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	40700		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	41500		890	4000	5000	ug/L
103-33-3	Azobenzene	39300		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	40700		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	40100		1100	4000	5000	ug/L
1912-24-9	Atrazine	38700		1300	4000	5000	ug/L

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBM010325	SDG No.:	BM010325
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
BM049332.D	1		1/3/2025 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	42600		1900	8000	10000	ug/L
85-01-8	Phenanthrene	40700		890	4000	5000	ug/L
120-12-7	Anthracene	41500		1100	4000	5000	ug/L
86-74-8	Carbazole	41300		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	42100		1500	4000	5000	ug/L
206-44-0	Fluoranthene	41400		1300	4000	5000	ug/L
92-87-5	Benzidine	29300		4100	8000	10000	ug/L
129-00-0	Pyrene	38900		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	40300		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	40500		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	39100		940	4000	5000	ug/L
218-01-9	Chrysene	38700		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	41000		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	40900		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	40600		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	39900		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	40500		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	41000		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	40400		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39200		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	38000		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	40100		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	39900		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	78975	*	10-139		52650	SPK: -150
13127-88-3	Phenol-d6	80551	*	10-134		53701	SPK: -150
4165-60-0	Nitrobenzene-d5	79381	*	49-133		79381	SPK: -100
321-60-8	2-Fluorobiphenyl	79492	*	52-132		79492	SPK: -100

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBM010325	SDG No.:	BM010325
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
BM049332.D	1		1/3/2025 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	81271	*	44-137		54181	SPK: -150
1718-51-0	Terphenyl-d14	79289	*	48-125		79289	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	212943	7.522				
1146-65-2	Naphthalene-d8	784425	10.286				
15067-26-2	Acenaphthene-d10	511103	14.163				
1517-22-2	Phenanthrene-d10	1018545	16.915				
1719-03-5	Chrysene-d12	1025027	21.145				
1520-96-3	Perylene-d12	1007195	23.933				

Report of Analysis

Client:		Date Collected:	12/31/2024 12:00:00 AM
Project:		Date Received:	12/31/2024 12:00:00 AM
Client Sample ID:	PB165929BL	SDG No.:	BM010325
Lab Sample ID:	PB165929BL	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
BM049333.D	1	12/31/2024 12:00:00 AM	1/3/2025 12:00:00 AM	PB165929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.8	U	86.8	270	330	ug/Kg
110-86-1	Pyridine	79.9	U	79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.9	U	96.9	130	170	ug/Kg
108-95-2	Phenol	82.9	U	82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.6	U	84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86	U	86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.5	U	86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	83	U	83	270	330	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	130	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	83	U	83	130	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	130	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.4	U	85.4	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/31/2024 12:00:00 AM
Project:		Date Received:	12/31/2024 12:00:00 AM
Client Sample ID:	PB165929BL	SDG No.:	BM010325
Lab Sample ID:	PB165929BL	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
BM049333.D	1	12/31/2024 12:00:00 AM	1/3/2025 12:00:00 AM	PB165929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.8	U	86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	95	U	95	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	130	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	130	170	ug/Kg
Total PAH	Total PAH	1325.1	U	1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.4	U	169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	130	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	130	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	130	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/31/2024 12:00:00 AM
Project:		Date Received:	12/31/2024 12:00:00 AM
Client Sample ID:	PB165929BL	SDG No.:	BM010325
Lab Sample ID:	PB165929BL	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
BM049333.D	1	12/31/2024 12:00:00 AM	1/3/2025 12:00:00 AM	PB165929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	148.455		18-112		99	SPK: -150
13127-88-3	Phenol-d6	141.566		15-107		94	SPK: -150
4165-60-0	Nitrobenzene-d5	93.63		18-107		94	SPK: -100
321-60-8	2-Fluorobiphenyl	96.054		20-109		96	SPK: -100

Report of Analysis

Client:		Date Collected:	12/31/2024 12:00:00 AM
Project:		Date Received:	12/31/2024 12:00:00 AM
Client Sample ID:	PB165929BL	SDG No.:	BM010325
Lab Sample ID:	PB165929BL	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
BM049333.D	1	12/31/2024 12:00:00 AM	1/3/2025 12:00:00 AM	PB165929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	144.723		10-116		96	SPK: -150
1718-51-0	Terphenyl-d14	116.557	*	10-105		117	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	209743	7.522				
1146-65-2	Naphthalene-d8	728300	10.286				
15067-26-2	Acenaphthene-d10	450977	14.163				
1517-22-2	Phenanthrene-d10	864959	16.915				
1719-03-5	Chrysene-d12	671748	21.144				
1520-96-3	Perylene-d12	639714	23.927				
TENTATIVE IDENTIFIED COMPOUNDS							
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	110	J			20.356	
000107-52-8	Hexasiloxane, tetradecamethyl-	71.6	J			22.633	

Hit Summary Sheet SW-846

SDG No.: BM010325

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : ICVBM010325							
SSTDICV040	ICVBM010325	Water 1,1-Biphenyl	39,500.000		910	5000	ug/L
SSTDICV040	ICVBM010325	Water 1,2,4,5-Tetrachlorobenzene	39,200.000		1100	5000	ug/L
SSTDICV040	ICVBM010325	Water 1,2,4-Trichlorobenzene	39,300.000		1100	5000	ug/L
SSTDICV040	ICVBM010325	Water 1,2-Dichlorobenzene	39,300.000		880	5000	ug/L
SSTDICV040	ICVBM010325	Water 1,3-Dichlorobenzene	39,400.000		800	5000	ug/L
SSTDICV040	ICVBM010325	Water 1,4-Dichlorobenzene	39,500.000		840	5000	ug/L
SSTDICV040	ICVBM010325	Water 1,4-Dioxane	38,000.000		1300	5000	ug/L
SSTDICV040	ICVBM010325	Water 1-Methylnaphthalene	39,900.000		860	5000	ug/L
SSTDICV040	ICVBM010325	Water 2,2-oxybis(1-Chloropropane)	38,900.000		1400	5000	ug/L
SSTDICV040	ICVBM010325	Water 2,3,4,6-Tetrachlorophenol	40,100.000		790	5000	ug/L
SSTDICV040	ICVBM010325	Water 2,4,5-Trichlorophenol	39,900.000		1000	5000	ug/L
SSTDICV040	ICVBM010325	Water 2,4,6-Trichlorophenol	40,200.000		890	5000	ug/L
SSTDICV040	ICVBM010325	Water 2,4-Dichlorophenol	40,900.000		880	5000	ug/L
SSTDICV040	ICVBM010325	Water 2,4-Dimethylphenol	40,400.000		1500	5000	ug/L
SSTDICV040	ICVBM010325	Water 2,4-Dinitrophenol	38,900.000		6400	10000	ug/L
SSTDICV040	ICVBM010325	Water 2,4-Dinitrotoluene	41,500.000		1500	5000	ug/L
SSTDICV040	ICVBM010325	Water 2,6-Dinitrotoluene	40,600.000		1200	5000	ug/L
SSTDICV040	ICVBM010325	Water 2-Chloronaphthalene	39,400.000		970	5000	ug/L
SSTDICV040	ICVBM010325	Water 2-Chlorophenol	39,700.000		710	5000	ug/L
SSTDICV040	ICVBM010325	Water 2-Methylnaphthalene	40,300.000		1100	5000	ug/L
SSTDICV040	ICVBM010325	Water 2-Methylphenol	40,000.000		1100	5000	ug/L
SSTDICV040	ICVBM010325	Water 2-Nitroaniline	41,000.000		1400	5000	ug/L
SSTDICV040	ICVBM010325	Water 2-Nitrophenol	41,500.000		2000	5000	ug/L
SSTDICV040	ICVBM010325	Water 3+4-Methylphenols	40,700.000		1200	10000	ug/L
SSTDICV040	ICVBM010325	Water 3,3-Dichlorobenzidine	40,500.000		1300	10000	ug/L
SSTDICV040	ICVBM010325	Water 3-Nitroaniline	41,100.000		1400	5000	ug/L
SSTDICV040	ICVBM010325	Water 4,6-Dinitro-2-methylphenol	40,700.000		3100	10000	ug/L
SSTDICV040	ICVBM010325	Water 4-Bromophenyl-phenylether	40,700.000		950	5000	ug/L
SSTDICV040	ICVBM010325	Water 4-Chloro-3-methylphenol	40,300.000		840	5000	ug/L
SSTDICV040	ICVBM010325	Water 4-Chloroaniline	40,600.000		1300	5000	ug/L
SSTDICV040	ICVBM010325	Water 4-Chlorophenyl-phenylether	39,700.000		980	5000	ug/L
SSTDICV040	ICVBM010325	Water 4-Nitroaniline	42,300.000		2000	5000	ug/L
SSTDICV040	ICVBM010325	Water 4-Nitrophenol	39,800.000		2000	10000	ug/L
SSTDICV040	ICVBM010325	Water Acenaphthene	40,100.000		810	5000	ug/L
SSTDICV040	ICVBM010325	Water Acenaphthylene	39,500.000		1000	5000	ug/L
SSTDICV040	ICVBM010325	Water Acetophenone	39,700.000		1100	5000	ug/L
SSTDICV040	ICVBM010325	Water Aniline	39,900.000		1600	5000	ug/L

Hit Summary Sheet
SW-846

SDG No.: BM010325

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBM010325	Water	Anthracene	41,500.000		1100	5000	ug/L
SSTDICV040	ICVBM010325	Water	Atrazine	38,700.000		1300	5000	ug/L
SSTDICV040	ICVBM010325	Water	Azobenzene	39,300.000		1200	5000	ug/L
SSTDICV040	ICVBM010325	Water	Benzaldehyde	39,100.000		4000	10000	ug/L
SSTDICV040	ICVBM010325	Water	Benzidine	29,300.000		4100	10000	ug/L
SSTDICV040	ICVBM010325	Water	Benzo(a)anthracene	39,100.000		940	5000	ug/L
SSTDICV040	ICVBM010325	Water	Benzo(a)pyrene	40,500.000		1700	5000	ug/L
SSTDICV040	ICVBM010325	Water	Benzo(b)fluoranthene	40,600.000		1100	5000	ug/L
SSTDICV040	ICVBM010325	Water	Benzo(g,h,i)perylene	40,400.000		1200	5000	ug/L
SSTDICV040	ICVBM010325	Water	Benzo(k)fluoranthene	39,900.000		1200	5000	ug/L
SSTDICV040	ICVBM010325	Water	Benzoic acid	41,100.000		5500	10000	ug/L
SSTDICV040	ICVBM010325	Water	Benzyl Alcohol	40,400.000		1600	10000	ug/L
SSTDICV040	ICVBM010325	Water	bis(2-Chloroethoxy)methane	39,600.000		1000	5000	ug/L
SSTDICV040	ICVBM010325	Water	bis(2-Chloroethyl)ether	39,300.000		1200	5000	ug/L
SSTDICV040	ICVBM010325	Water	Bis(2-ethylhexyl)phthalate	41,000.000		1900	5000	ug/L
SSTDICV040	ICVBM010325	Water	Butylbenzylphthalate	40,300.000		2100	5000	ug/L
SSTDICV040	ICVBM010325	Water	Caprolactam	41,600.000		1700	10000	ug/L
SSTDICV040	ICVBM010325	Water	Carbazole	41,300.000		1200	5000	ug/L
SSTDICV040	ICVBM010325	Water	Chrysene	38,700.000		860	5000	ug/L
SSTDICV040	ICVBM010325	Water	Di-n-butylphthalate	42,100.000		1500	5000	ug/L
SSTDICV040	ICVBM010325	Water	Di-n-octyl phthalate	40,900.000		2500	10000	ug/L
SSTDICV040	ICVBM010325	Water	Dibenzo(a,h)anthracene	40,700.000		1200	5000	ug/L
SSTDICV040	ICVBM010325	Water	Dibenzofuran	39,200.000		930	5000	ug/L
SSTDICV040	ICVBM010325	Water	Diethylphthalate	39,400.000		1000	5000	ug/L
SSTDICV040	ICVBM010325	Water	Dimethylphthalate	39,200.000		930	5000	ug/L
SSTDICV040	ICVBM010325	Water	Fluoranthene	41,400.000		1300	5000	ug/L
SSTDICV040	ICVBM010325	Water	Fluorene	39,600.000		960	5000	ug/L
SSTDICV040	ICVBM010325	Water	Hexachlorobenzene	40,100.000		1100	5000	ug/L
SSTDICV040	ICVBM010325	Water	Hexachlorobutadiene	39,300.000		1300	5000	ug/L
SSTDICV040	ICVBM010325	Water	Hexachlorocyclopentadiene	39,400.000		5000	10000	ug/L
SSTDICV040	ICVBM010325	Water	Hexachloroethane	39,000.000		1000	5000	ug/L
SSTDICV040	ICVBM010325	Water	Indeno(1,2,3-cd)pyrene	41,000.000		1000	5000	ug/L
SSTDICV040	ICVBM010325	Water	Isophorone	39,900.000		1100	5000	ug/L
SSTDICV040	ICVBM010325	Water	n-Nitroso-di-n-propylamine	40,800.000		1500	2500	ug/L
SSTDICV040	ICVBM010325	Water	n-Nitrosodimethylamine	38,500.000		1000	10000	ug/L
SSTDICV040	ICVBM010325	Water	n-Nitrosodiphenylamine	41,500.000		890	5000	ug/L
SSTDICV040	ICVBM010325	Water	Naphthalene	39,300.000		1000	5000	ug/L
SSTDICV040	ICVBM010325	Water	Nitrobenzene	39,100.000		1300	5000	ug/L
SSTDICV040	ICVBM010325	Water	Pentachlorophenol	42,600.000		1900	10000	ug/L
SSTDICV040	ICVBM010325	Water	Phenanthrene	40,700.000		890	5000	ug/L

Hit Summary Sheet
SW-846

SDG No.: BM010325

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBM010325	Water	Phenol	39,900.000		930	5000	ug/L
SSTDICV040	ICVBM010325	Water	Pyrene	38,900.000		1100	5000	ug/L
SSTDICV040	ICVBM010325	Water	Pyridine	38,500.000		1600	5000	ug/L
SSTDICV040	ICVBM010325	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	82,100.000		2700	10000	ug/L
SSTDICV040	ICVBM010325	Water	Total PAH	641,900.000		17360	80000	ug/L
Total Svoc :						3,919,700.00		
Total Concentration:						3,919,700.00		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM

Case No.: BM010325

SAS No.: BM010325

SDG No.: BM010325

Instrument ID: _____

Calibration Date(s): 1/3/2025 1: _____

Calibration Time(s): 10:39 _____

LAB FILE ID:		RRF2.5 = BM049324.D			RRF005 = BM049325.D		RRF010 = BM049326.D	
		RRF020 = BM049327.D			RRF040 = BM049328.D		RRF050 = BM049329.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.654	0.636	0.644	0.609	0.614	0.624	3.7
Pyridine		1.493	1.425	1.539	1.436	1.469	1.470	3.0
2-Fluorophenol		1.259	1.221	1.284	1.262	1.288	1.271	2.6
Benzaldehyde		1.049	1.054	1.007	0.864	0.806	0.921	14.4
Aniline		1.328	1.336	1.385	1.301	1.322	1.315	3.8
Phenol-d6		1.551	1.568	1.635	1.623	1.690	1.630	3.5
Phenol		1.583	1.571	1.639	1.596	1.658	1.621	2.6
bis(2-Chloroethyl)ether		1.283	1.269	1.324	1.294	1.330	1.306	2.2
2-Chlorophenol		1.253	1.242	1.284	1.255	1.288	1.277	2.5
1,2-Dichlorobenzene		1.544	1.489	1.517	1.474	1.524	1.506	2.5
1,3-Dichlorobenzene		1.616	1.523	1.562	1.506	1.543	1.547	2.8
1,4-Dichlorobenzene		1.601	1.545	1.572	1.524	1.569	1.561	2.4
Benzyl Alcohol		0.941	0.959	1.035	1.025	1.098	1.035	6.5
2-Methylphenol		0.941	0.969	1.013	0.999	1.043	1.003	3.9
2,2-oxybis(1-Chloropropane)		1.988	1.909	1.943	1.843	1.889	1.892	3.6
Acetophenone		0.523	0.523	0.542	0.536	0.550	0.539	2.7
3+4-Methylphenols		1.244	1.283	1.386	1.380	1.452	1.373	5.9
n-Nitroso-di-n-propylamine	1.008	0.944	1.003	1.048	1.047	1.106	1.036	5.1
Nitrobenzene-d5		0.399	0.398	0.426	0.424	0.433	0.421	4.0
Hexachloroethane		0.585	0.565	0.591	0.572	0.582	0.579	2.7
Nitrobenzene		0.418	0.412	0.439	0.424	0.432	0.428	2.7
Isophorone		0.655	0.660	0.717	0.706	0.739	0.710	5.5
2-Nitrophenol		0.137	0.148	0.169	0.174	0.182	0.170	12.2
2,4-Dimethylphenol		0.188	0.196	0.209	0.211	0.217	0.210	6.3
bis(2-Chloroethoxy)methane		0.444	0.440	0.468	0.456	0.471	0.461	3.3
2,4-Dichlorophenol		0.299	0.306	0.334	0.334	0.348	0.333	6.8
1,2,4-Trichlorobenzene		0.414	0.401	0.423	0.407	0.415	0.414	2.1
Benzoic acid			0.171	0.195	0.215	0.230	0.217	13.7
Naphthalene		1.057	1.027	1.091	1.061	1.092	1.079	3.1
4-Chloroaniline		0.321	0.345	0.369	0.363	0.378	0.362	6.1
Hexachlorobutadiene		0.268	0.257	0.268	0.258	0.265	0.265	2.2
Caprolactam		0.076	0.080	0.092	0.092	0.101	0.092	11.5
4-Chloro-3-methylphenol		0.287	0.287	0.314	0.316	0.339	0.318	7.6
2-Methylnaphthalene		0.684	0.696	0.739	0.734	0.769	0.742	5.6
Hexachlorocyclopentadiene		0.212	0.214	0.231	0.236	0.232	0.228	4.8
2,4,6-Trichlorophenol		0.392	0.402	0.434	0.441	0.452	0.435	6.5

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.: BM010325 SAS No.: BM010325 SDG No.: BM010325
Instrument ID: _____ Calibration Date(s): 1/3/2025 1: _____
Calibration Time(s): 10:39 _____

LAB FILE ID:		RRF2.5 = BM049324.D			RRF005 = BM049325.D		RRF010 = BM049326.D	
		RRF020 = BM049327.D			RRF040 = BM049328.D		RRF050 = BM049329.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.502	1.487	1.555	1.550	1.569	1.539	2.4
2,4,5-Trichlorophenol		0.441	0.448	0.476	0.484	0.497	0.481	5.7
1,1-Biphenyl		1.470	1.449	1.511	1.515	1.543	1.513	2.8
2-Chloronaphthalene		1.199	1.205	1.248	1.245	1.270	1.243	2.8
2-Nitroaniline		0.274	0.289	0.321	0.336	0.355	0.327	10.5
Dimethylphthalate		1.459	1.427	1.491	1.452	1.503	1.476	2.2
Acenaphthylene		1.602	1.609	1.708	1.703	1.759	1.705	4.4
2,6-Dinitrotoluene		0.272	0.286	0.318	0.320	0.335	0.316	8.7
3-Nitroaniline		0.226	0.256	0.288	0.302	0.318	0.292	13.1
Acenaphthene		1.049	1.032	1.100	1.101	1.139	1.103	4.5
2,4-Dinitrophenol			0.111	0.143	0.161	0.177	0.162	18.8
4-Nitrophenol			0.199	0.246	0.254	0.276	0.257	12.6
Dibenzofuran		1.810	1.749	1.827	1.802	1.852	1.816	2.1
2,4-Dinitrotoluene		0.331	0.363	0.419	0.435	0.464	0.422	13.3
Diethylphthalate		1.387	1.355	1.461	1.435	1.514	1.453	4.5
4-Chlorophenyl-phenylether		0.764	0.765	0.812	0.805	0.840	0.809	4.3
Fluorene		1.401	1.401	1.520	1.503	1.549	1.492	4.6
4-Nitroaniline		0.218	0.251	0.301	0.313	0.333	0.300	16.0
4,6-Dinitro-2-methylphenol			0.085	0.105	0.121	0.122	0.115	14.7
n-Nitrosodiphenylamine		0.527	0.541	0.575	0.605	0.597	0.579	5.8
Azobenzene		1.286	1.301	1.404	1.377	1.439	1.381	4.8
2,4,6-Tribromophenol		0.234	0.235	0.258	0.269	0.287	0.267	9.8
4-Bromophenyl-phenylether		0.204	0.200	0.216	0.226	0.225	0.219	5.8
Hexachlorobenzene		0.250	0.245	0.255	0.268	0.265	0.262	4.6
Atrazine		0.183	0.174	0.160	0.153	0.114	0.157	16.9
Pentachlorophenol		0.132	0.142	0.161	0.178	0.179	0.167	13.5
Phenanthrene		1.011	0.999	1.063	1.099	1.089	1.068	4.3
Anthracene		0.936	0.927	1.008	1.059	1.052	1.019	6.4
Carbazole		0.892	0.899	0.988	1.024	1.023	0.986	6.5
Di-n-butylphthalate		1.007	1.054	1.175	1.239	1.251	1.184	9.5
Fluoranthene		1.192	1.180	1.299	1.339	1.362	1.313	7.3
Benzidine		0.288	0.263	0.198	0.351	0.279	0.297	19.2
Pyrene		1.374	1.371	1.431	1.408	1.514	1.458	5.6
Terphenyl-d14		1.080	1.116	1.212	1.211	1.301	1.208	7.2
Butylbenzylphthalate		0.431	0.462	0.519	0.514	0.572	0.524	11.6
3,3-Dichlorobenzidine		0.359	0.379	0.438	0.448	0.490	0.450	14.2

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.: BM010325 SAS No.: BM010325 SDG No.: BM010325
Instrument ID: _____ Calibration Date(s): 1/3/2025 1: _____
Calibration Time(s): 10:39 _____

LAB FILE ID:		RRF2.5 = BM049324.D			RRF005 = BM049325.D		RRF010 = BM049326.D	
		RRF020 = BM049327.D			RRF040 = BM049328.D		RRF050 = BM049329.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.327	1.320	1.418	1.366	1.470	1.414	5.5
Chrysene		1.259	1.255	1.346	1.266	1.365	1.326	5.0
Bis(2-ethylhexyl)phthalate		0.636	0.704	0.811	0.806	0.889	0.804	12.6
Di-n-octyl phthalate		0.973	1.091	1.241	1.253	1.414	1.274	15.2
Benzo(b)fluoranthene		1.204	1.197	1.304	1.349	1.411	1.347	8.9
Benzo(k)fluoranthene		1.156	1.176	1.302	1.329	1.383	1.316	8.7
Benzo(a)pyrene		0.975	1.006	1.110	1.148	1.205	1.139	10.2
Indeno(1,2,3-cd)pyrene		1.302	1.341	1.418	1.473	1.520	1.464	8.0
Dibenzo(a,h)anthracene		1.094	1.120	1.177	1.228	1.279	1.222	7.8
Benzo(g,h,i)perylene		1.118	1.135	1.197	1.229	1.260	1.222	6.3
1,2,4,5-Tetrachlorobenzene		0.666	0.672	0.687	0.684	0.690	0.688	2.3
1,4-Dioxane		0.611	0.544	0.560	0.506	0.519	0.538	7.3
2,3,4,6-Tetrachlorophenol		0.369	0.375	0.396	0.395	0.410	0.397	5.0
1-Methylnaphthalene		0.694	0.692	0.730	0.726	0.758	0.735	4.7

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.: BM010325 SAS No.: BM010325 SDG NO.: BM010325

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 3 2025 12:00AM

Lab File ID: BM049328.D Time Analyzed: 17:09

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	183847	7.528	669269	10.29	423381	14.16
UPPER LIMIT	367694	8.028	1338538	10.786	846762	14.663
LOWER LIMIT	91923.5	7.028	334634.5	9.786	211690.5	13.663
EPA SAMPLE NO.						
01 ICVBM010325	212943	7.52	784425	10.29	511103	14.16
02 PB165929BL	209743	7.52	728300	10.29	450977	14.16

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.: BM010325 SAS No.: BM010325 SDG NO.: BM010325

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 3 2025 12:00AM

Lab File ID: BM049328.D Time Analyzed: 17:09

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	183847	7.528	669269	10.29	423381	14.16
UPPER LIMIT	367694	8.028	1338538	10.786	846762	14.663
LOWER LIMIT	91923.5	7.028	334634.5	9.786	211690.5	13.663
EPA SAMPLE NO.						
01 ICVBM010325	212943	7.52	784425	10.29	511103	14.16
02 PB165929BL	209743	7.52	728300	10.29	450977	14.16

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM010325 SAS No.: BM010325 SDG NO.: BM010325

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 3 2025 12:00AM

Lab File ID: BM049328.D Time Analyzed: 17:09

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	836396	16.915	836006	21.15	807272	23.933
UPPER LIMIT	1672792	17.415	1672012	21.65	1614544	24.433
LOWER LIMIT	418198	16.415	418003	20.65	403636	23.433
EPA SAMPLE NO.						
01 ICVBM010325	1.01855	16.92	1.02503e+	21.15	1.0072e+0	23.93
02 PB165929BL	864959	16.92	671748	21.14	639714	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.: BM010325 SAS No.: BM010325 SDG NO.: BM010325

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 3 2025 12:00AM

Lab File ID: BM049328.D Time Analyzed: 17:09

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	836396	16.915	836006	21.15	807272	23.933
UPPER LIMIT	1672792	17.415	1672012	21.65	1614544	24.433
LOWER LIMIT	418198	16.415	418003	20.65	403636	23.433
EPA SAMPLE NO.						
01 ICVBM010325	1.01855	16.92	1.02503e+	21.15	1.0072e+0	23.93
02 PB165929BL	864959	16.92	671748	21.14	639714	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.

ICVBM010325

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM010325

SAS No.: BM010325 SDG NO.: BM010325

Lab File ID: BM049332.D

Lab Sample ID: SSTDICV040

Instrument ID: BNA_M

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 01/03/2025

Level: (low/med) LOW

Time Analyzed: 17:09

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBM010325	SSTDICV040	BM049332.D	01/03/2025

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165929BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM010325

SAS No.: BM010325 SDG NO.: BM010325

Lab File ID: BM049333.D

Lab Sample ID: PB165929BL

Instrument ID: BNA_M

Date Extracted: 12/31/2024

Matrix: (soil/water) Solid

Date Analyzed: 01/03/2025

Level: (low/med) LOW

Time Analyzed: 17:48

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

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

COMMENTS:

Surrogate Summary

SW-846

SDG No.: BM010325

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV040	ICVBM010325	BM049332.D	2-Fluorophenol	150	78,975.00	52650	*	10	139
			Phenol-d6	150	80,551.00	53701	*	10	134
			Nitrobenzene-d5	100	79,381.00	79381	*	49	133
			2-Fluorobiphenyl	100	79,492.00	79492	*	52	132
			2,4,6-Tribromophenol	150	81,271.00	54181	*	44	137
			Terphenyl-d14	100	79,289.00	79289	*	48	125

Surrogate Summary

SW-846

SDG No.: BM010325

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165929BL	PB165929BL	BM049333.D	2-Fluorophenol	150	148.46	99		18	112
			Phenol-d6	150	141.57	94		15	107
			Nitrobenzene-d5	100	93.63	94		18	107
			2-Fluorobiphenyl	100	96.05	96		20	109
			2,4,6-Tribromophenol	150	144.72	96		10	116
			Terphenyl-d14	100	116.56	117	*	10	105

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM010325

Lab Code: CHEM

SAS No.: BM010325

SDG NO.: BM010325

Lab File ID: BM049323.D

DFTPP Injection Date: 01/03/2025

Instrument ID: BNA_M

DFTPP Injection Time: 08:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.6
68	Less than 2.0% of mass 69	0.5 (1.4) 1
69	Mass 69 relative abundance	36.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	40.7
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	6.8
275	10.0 - 60.0% of mass 198	24
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	10.6
442	Greater than 50% of mass 198	64
443	15.0 - 24.0% of mass 442	12.3 (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
SSTDICC2.5	SSTDICC2.5	BM049324.D	01/03/2025	10:39
SSTDICC005	SSTDICC005	BM049325.D	01/03/2025	11:57
SSTDICC010	SSTDICC010	BM049326.D	01/03/2025	13:15
SSTDICC020	SSTDICC020	BM049327.D	01/03/2025	13:54
SSTDICCC040	SSTDICCC040	BM049328.D	01/03/2025	14:33
SSTDICC050	SSTDICC050	BM049329.D	01/03/2025	15:12
SSTDICC060	SSTDICC060	BM049330.D	01/03/2025	15:51
SSTDICC080	SSTDICC080	BM049331.D	01/03/2025	16:30
ICVBM010325	SSTDICV040	BM049332.D	01/03/2025	17:09
PB165929BL	PB165929BL	BM049333.D	01/03/2025	17:48