284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM010225 SAS No.: BM010225 SDG No.: BM010225

Instrument ID: BNA_M Calibration Date/Time: 1/2/2025 12: 14:47

Lab File ID: BM049317.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	0.650	0.626		-3.692	
Pyridine	1.538	1.501		-2.406	
2-Fluorophenol	1.271	1.271		0.0	
Benzaldehyde	0.956	0.882		-7.741	
Aniline	1.376	1.354		-1.599	
Phenol-d6	1.679	1.686		0.417	
Phenol	1.683	1.666		-1.01	20.0
bis(2-Chloroethyl)ether	1.352	1.317		-2.589	
2-Chlorophenol	1.309	1.296		-0.993	
1,2-Dichlorobenzene	1.528	1.500		-1.832	
1,3-Dichlorobenzene	1.563	1.529		-2.175	
1,4-Dichlorobenzene	1.582	1.543		-2.465	20.0
Benzyl Alcohol	1.066	1.073		0.657	
2-Methylphenol	1.040	1.047		0.673	
2,2-oxybis(1-Chloropropane)	1.968	1.890		-3.963	
Acetophenone	0.546	0.540		-1.099	
3+4-Methylphenols	1.429	1.439		0.7	
n-Nitroso-di-n-propylamine	1.069	1.109	0.050	3.742	
Nitrobenzene-d5	0.423	0.424		0.236	
Hexachloroethane	0.583	0.573		-1.715	
Nitrobenzene	0.432	0.430		-0.463	
Isophorone	0.714	0.714		0.0	
2-Nitrophenol	0.165	0.173		4.848	20.0
2,4-Dimethylphenol	0.209	0.212		1.435	
bis(2-Chloroethoxy)methane	0.461	0.457		-0.868	
2,4-Dichlorophenol	0.328	0.334		1.829	20.0
1,2,4-Trichlorobenzene	0.413	0.406		-1.695	
Benzoic acid	0.216	0.212		-1.852	
Naphthalene	1.087	1.067		-1.84	
4-Chloroaniline	0.369	0.373		1.084	
Hexachlorobutadiene	0.262	0.255		-2.672	20.0
Caprolactam	0.097	0.096		-1.031	
4-Chloro-3-methylphenol	0.319	0.327		2.508	20.0
2-Methylnaphthalene	0.750	0.746		-0.533	
Hexachlorocyclopentadiene	0.215	0.219	0.050	1.86	
2,4,6-Trichlorophenol	0.420	0.429		2.143	20.0
2-Fluorobiphenyl	1.540	1.535		-0.325	
2,4,5-Trichlorophenol	0.472	0.478		1.271	
1,1-Biphenyl	1.509	1.503		-0.398	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM010225 SAS No.: BM010225 SDG No.: BM010225

Instrument ID: BNA_M Calibration Date/Time: 1/2/2025 12: 14:47

Lab File ID: BM049317.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	1.240	1.238		-0.161	
2-Nitroaniline	0.324	0.343		5.864	
Dimethylphthalate	1.471	1.455		-1.088	
Acenaphthylene	1.710	1.706		-0.234	
2,6-Dinitrotoluene	0.315	0.320		1.587	
3-Nitroaniline	0.292	0.308		5.479	
Acenaphthene	1.109	1.107		-0.18	20.0
2,4-Dinitrophenol	0.160	0.162	0.050	1.25	
4-Nitrophenol	0.256	0.260	0.050	1.563	
Dibenzofuran	1.834	1.798		-1.963	
2,4-Dinitrotoluene	0.422	0.444		5.213	
Diethylphthalate	1.437	1.434		-0.209	
4-Chlorophenyl-phenylether	0.819	0.815		-0.488	
Fluorene	1.500	1.520		1.333	
4-Nitroaniline	0.303	0.326		7.591	
4,6-Dinitro-2-methylphenol	0.113	0.115		1.77	
n-Nitrosodiphenylamine	0.574	0.583		1.568	20.0
Azobenzene	1.391	1.398		0.503	
2,4,6-Tribromophenol	0.263	0.268		1.901	
4-Bromophenyl-phenylether	0.216	0.219		1.389	
Hexachlorobenzene	0.260	0.257		-1.154	
Atrazine	0.142	0.140		-1.408	
Pentachlorophenol	0.160	0.170		6.25	20.0
Phenanthrene	1.066	1.066		0.0	
Anthracene	1.012	1.027		1.482	
Carbazole	0.988	1.014		2.632	
Di-n-butylphthalate	1.119	1.171		4.647	
Fluoranthene	1.294	1.305		0.85	20.0
Benzidine	0.285	0.337		18.246	
Pyrene	1.473	1.477		0.272	
Terphenyl-d14	1.212	1.267		4.538	
Butylbenzylphthalate	0.498	0.522		4.819	
3,3-Dichlorobenzidine	0.433	0.463		6.928	
Benzo(a)anthracene	1.426	1.434		0.561	
Chrysene	1.351	1.344		-0.518	
Bis(2-ethylhexyl)phthalate	0.763	0.813		6.553	
Di-n-octyl phthalate	1.261	1.266		0.397	20.0
Benzo(b)fluoranthene	1.339	1.354		1.12	
Benzo(k)fluoranthene	1.304	1.312		0.613	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM010225 SAS No.: BM010225 SDG No.: BM010225

Instrument ID: BNA_M Calibration Date/Time: 1/2/2025 12: 14:47

Lab File ID: BM049317.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	1.135	1.145		0.881	20.0
Indeno(1,2,3-cd)pyrene	1.472	1.480		0.543	
Dibenzo(a,h)anthracene	1.227	1.237		0.815	
Benzo(g,h,i)perylene	1.230	1.234		0.325	
1,2,4,5-Tetrachlorobenzene	0.678	0.666		-1.77	
1,4-Dioxane	0.537	0.518		-3.538	20.0
2,3,4,6-Tetrachlorophenol	0.394	0.397		0.761	
1-Methylnaphthalene	0.743	0.739		-0.538	

All other compounds must meet a minimum RRF of 0.010.

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBM010225		SDG No.:	BM010225	
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
BM049321.D	1		1/2/2025 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	37100		1000	8000	10000	ug/L
110-86-1	Pyridine	36200		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	33400		4000	8000	10000	ug/L
62-53-3	Aniline	53500		1600	4000	5000	ug/L
108-95-2	Phenol	38600		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	37900		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	37600		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	36600		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	36800		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	36600		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	42100		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	39100		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39800		1400	4000	5000	ug/L
98-86-2	Acetophenone	38800		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	38900		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40500		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	37300		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	35600		1300	4000	5000	ug/L
78-59-1	Isophorone	39000		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	40400		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	46800		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	37200		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	38800		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	34800		1100	4000	5000	ug/L
65-85-0	Benzoic acid	36100		5500	8000	10000	ug/L
91-20-3	Naphthalene	36300		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	44200		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	34900		1300	4000	5000	ug/L

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBM010225		SDG No.:	BM010225	
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
BM049321.D	1		1/2/2025 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	38300		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	38500		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	37800		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	63100		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	38800		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	37100		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	38900		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	36100		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	39800		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	37400		930	4000	5000	ug/L
208-96-8	Acenaphthylene	40000		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	36500		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	41500		1400	4000	5000	ug/L
83-32-9	Acenaphthene	37600		810	4000	5000	ug/L
Total PAH	Total PAH	615200		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	35700		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	38400		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	37000		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	37900		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixtur	74400		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	37500		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	36600		980	4000	5000	ug/L
86-73-7	Fluorene	37300		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	36200		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	39900		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	40600		890	4000	5000	ug/L
103-33-3	Azobenzene	37700		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	38100		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	37500		1100	4000	5000	ug/L
1912-24-9	Atrazine	58900		1300	4000	5000	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBM010225			SDG No.:	BM010225
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
BM049321.D	1		1/2/2025 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	39100		1900	8000	10000	ug/L
85-01-8	Phenanthrene	40000		890	4000	5000	ug/L
120-12-7	Anthracene	42600		1100	4000	5000	ug/L
86-74-8	Carbazole	39600		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	40900		1500	4000	5000	ug/L
206-44-0	Fluoranthene	39100		1300	4000	5000	ug/L
92-87-5	Benzidine	61700		4100	8000	10000	ug/L
129-00-0	Pyrene	35800		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	37900		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	39600		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	36900		940	4000	5000	ug/L
218-01-9	Chrysene	35900		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	38000		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	36000		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	37400		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	39300		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	41500		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	40500		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	39600		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	35400		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	38600		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	39500		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	39000		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	35700		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	75627	*	10-139		50418	SPK: -150
13127-88-3	Phenol-d6	73070	*	10-134		48713	SPK: -150
4165-60-0	Nitrobenzene-d5	72209	*	49-133		72209	SPK: -100
321-60-8	2-Fluorobiphenyl	71443	*	52-132		71443	SPK: -100

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Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBM010225			SDG No.:	BM010225		
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
BM049321.D	1		1/2/2025 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	75224	*	44-137		50149	SPK: -150
1718-51-0	Terphenyl-d14	70274	*	48-125		70274	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	178455	7.528				
1146-65-2	Naphthalene-d8	695751	10.292				
15067-26-2	Acenaphthene-d10	454907	14.168				
1517-22-2	Phenanthrene-d10	907747	16.921				
1719-03-5	Chrysene-d12	932860	21.156				
1520-96-3	Perylene-d12	899795	23.944				

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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.:	BM010225
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
BM049322.D	1	12/31/2024 12:00:00 AM	1/2/2025 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

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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.:	BM010225
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
BM049322.D	1	12/31/2024 12:00:00 AM	1/2/2025 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

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Fax : 908 789 8922

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.:	BM010225
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
BM049322.D	1	12/31/2024 12:00:00 AM	1/2/2025 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	148.995		18-112	99		SPK: -150
13127-88-3	Phenol-d6	136.238		15-107	91		SPK: -150
4165-60-0	Nitrobenzene-d5	92.753		18-107	93		SPK: -100
321-60-8	2-Fluorobiphenyl	98.372		20-109	98		SPK: -100

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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.:	BM010225
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
BM049322.D	1	12/31/2024 12:00:00 AM	1/2/2025 12:00:00 AM	PB165929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	142.689		10-116		95	SPK: -150
1718-51-0	Terphenyl-d14	114.545	*	10-105		115	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	173071	7.528				
1146-65-2	Naphthalene-d8	601721	10.287				
15067-26-2	Acenaphthene-d10	350888	14.169				
1517-22-2	Phenanthrene-d10	677127	16.921				
1719-03-5	Chrysene-d12	574209	21.151				
1520-96-3	Perylene-d12	585252	23.933				

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Hit Summary Sheet
SW-846

SDG No.: BM010225

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**ICVBM010225**							
SSTDICV040	ICVBM010225	Water	1,1-Biphenyl	38,900.000		910	5000	ug/L
SSTDICV040	ICVBM010225	Water	1,2,4,5-Tetrachlorobenzene	38,600.000		1100	5000	ug/L
SSTDICV040	ICVBM010225	Water	1,2,4-Trichlorobenzene	34,800.000		1100	5000	ug/L
SSTDICV040	ICVBM010225	Water	1,2-Dichlorobenzene	36,600.000		880	5000	ug/L
SSTDICV040	ICVBM010225	Water	1,3-Dichlorobenzene	36,800.000		800	5000	ug/L
SSTDICV040	ICVBM010225	Water	1,4-Dichlorobenzene	36,600.000		840	5000	ug/L
SSTDICV040	ICVBM010225	Water	1,4-Dioxane	39,500.000		1300	5000	ug/L
SSTDICV040	ICVBM010225	Water	1-Methylnaphthalene	35,700.000		860	5000	ug/L
SSTDICV040	ICVBM010225	Water	2,2-oxybis(1-Chloropropane)	39,800.000		1400	5000	ug/L
SSTDICV040	ICVBM010225	Water	2,3,4,6-Tetrachlorophenol	39,000.000		790	5000	ug/L
SSTDICV040	ICVBM010225	Water	2,4,5-Trichlorophenol	37,100.000		1000	5000	ug/L
SSTDICV040	ICVBM010225	Water	2,4,6-Trichlorophenol	38,800.000		890	5000	ug/L
SSTDICV040	ICVBM010225	Water	2,4-Dichlorophenol	38,800.000		880	5000	ug/L
SSTDICV040	ICVBM010225	Water	2,4-Dimethylphenol	46,800.000		1500	5000	ug/L
SSTDICV040	ICVBM010225	Water	2,4-Dinitrophenol	35,700.000		6400	10000	ug/L
SSTDICV040	ICVBM010225	Water	2,4-Dinitrotoluene	37,900.000		1500	5000	ug/L
SSTDICV040	ICVBM010225	Water	2,6-Dinitrotoluene	36,500.000		1200	5000	ug/L
SSTDICV040	ICVBM010225	Water	2-Chloronaphthalene	36,100.000		970	5000	ug/L
SSTDICV040	ICVBM010225	Water	2-Chlorophenol	37,600.000		710	5000	ug/L
SSTDICV040	ICVBM010225	Water	2-Methylnaphthalene	37,800.000		1100	5000	ug/L
SSTDICV040	ICVBM010225	Water	2-Methylphenol	39,100.000		1100	5000	ug/L
SSTDICV040	ICVBM010225	Water	2-Nitroaniline	39,800.000		1400	5000	ug/L
SSTDICV040	ICVBM010225	Water	2-Nitrophenol	40,400.000		2000	5000	ug/L
SSTDICV040	ICVBM010225	Water	3+4-Methylphenols	38,900.000		1200	10000	ug/L
SSTDICV040	ICVBM010225	Water	3,3-Dichlorobenzidine	39,600.000		1300	10000	ug/L
SSTDICV040	ICVBM010225	Water	3-Nitroaniline	41,500.000		1400	5000	ug/L
SSTDICV040	ICVBM010225	Water	4,6-Dinitro-2-methylphenol	39,900.000		3100	10000	ug/L
SSTDICV040	ICVBM010225	Water	4-Bromophenyl-phenylether	38,100.000		950	5000	ug/L
SSTDICV040	ICVBM010225	Water	4-Chloro-3-methylphenol	38,500.000		840	5000	ug/L
SSTDICV040	ICVBM010225	Water	4-Chloroaniline	44,200.000		1300	5000	ug/L
SSTDICV040	ICVBM010225	Water	4-Chlorophenyl-phenylether	36,600.000		980	5000	ug/L
SSTDICV040	ICVBM010225	Water	4-Nitroaniline	36,200.000		2000	5000	ug/L
SSTDICV040	ICVBM010225	Water	4-Nitrophenol	38,400.000		2000	10000	ug/L
SSTDICV040	ICVBM010225	Water	Acenaphthene	37,600.000		810	5000	ug/L
SSTDICV040	ICVBM010225	Water	Acenaphthylene	40,000.000		1000	5000	ug/L
SSTDICV040	ICVBM010225	Water	Acetophenone	38,800.000		1100	5000	ug/L
SSTDICV040	ICVBM010225	Water	Aniline	53,500.000		1600	5000	ug/L

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Hit Summary Sheet
SW-846

SDG No.: BM010225

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBM010225	Water	Anthracene	42,600.000		1100	5000	ug/L
SSTDICV040	ICVBM010225	Water	Atrazine	58,900.000		1300	5000	ug/L
SSTDICV040	ICVBM010225	Water	Azobenzene	37,700.000		1200	5000	ug/L
SSTDICV040	ICVBM010225	Water	Benzaldehyde	33,400.000		4000	10000	ug/L
SSTDICV040	ICVBM010225	Water	Benzidine	61,700.000		4100	10000	ug/L
SSTDICV040	ICVBM010225	Water	Benzo(a)anthracene	36,900.000		940	5000	ug/L
SSTDICV040	ICVBM010225	Water	Benzo(a)pyrene	41,500.000		1700	5000	ug/L
SSTDICV040	ICVBM010225	Water	Benzo(b)fluoranthene	37,400.000		1100	5000	ug/L
SSTDICV040	ICVBM010225	Water	Benzo(g,h,i)perylene	35,400.000		1200	5000	ug/L
SSTDICV040	ICVBM010225	Water	Benzo(k)fluoranthene	39,300.000		1200	5000	ug/L
SSTDICV040	ICVBM010225	Water	Benzoic acid	36,100.000		5500	10000	ug/L
SSTDICV040	ICVBM010225	Water	Benzyl Alcohol	42,100.000		1600	10000	ug/L
SSTDICV040	ICVBM010225	Water	bis(2-Chloroethoxy)methane	37,200.000		1000	5000	ug/L
SSTDICV040	ICVBM010225	Water	bis(2-Chloroethyl)ether	37,900.000		1200	5000	ug/L
SSTDICV040	ICVBM010225	Water	Bis(2-ethylhexyl)phthalate	38,000.000		1900	5000	ug/L
SSTDICV040	ICVBM010225	Water	Butylbenzylphthalate	37,900.000		2100	5000	ug/L
SSTDICV040	ICVBM010225	Water	Caprolactam	38,300.000		1700	10000	ug/L
SSTDICV040	ICVBM010225	Water	Carbazole	39,600.000		1200	5000	ug/L
SSTDICV040	ICVBM010225	Water	Chrysene	35,900.000		860	5000	ug/L
SSTDICV040	ICVBM010225	Water	Di-n-butylphthalate	40,900.000		1500	5000	ug/L
SSTDICV040	ICVBM010225	Water	Di-n-octyl phthalate	36,000.000		2500	10000	ug/L
SSTDICV040	ICVBM010225	Water	Dibenzo(a,h)anthracene	39,600.000		1200	5000	ug/L
SSTDICV040	ICVBM010225	Water	Dibenzofuran	37,000.000		930	5000	ug/L
SSTDICV040	ICVBM010225	Water	Diethylphthalate	37,500.000		1000	5000	ug/L
SSTDICV040	ICVBM010225	Water	Dimethylphthalate	37,400.000		930	5000	ug/L
SSTDICV040	ICVBM010225	Water	Fluoranthene	39,100.000		1300	5000	ug/L
SSTDICV040	ICVBM010225	Water	Fluorene	37,300.000		960	5000	ug/L
SSTDICV040	ICVBM010225	Water	Hexachlorobenzene	37,500.000		1100	5000	ug/L
SSTDICV040	ICVBM010225	Water	Hexachlorobutadiene	34,900.000		1300	5000	ug/L
SSTDICV040	ICVBM010225	Water	Hexachlorocyclopentadiene	63,100.000		5000	10000	ug/L
SSTDICV040	ICVBM010225	Water	Hexachloroethane	37,300.000		1000	5000	ug/L
SSTDICV040	ICVBM010225	Water	Indeno(1,2,3-cd)pyrene	40,500.000		1000	5000	ug/L
SSTDICV040	ICVBM010225	Water	Isophorone	39,000.000		1100	5000	ug/L
SSTDICV040	ICVBM010225	Water	n-Nitroso-di-n-propylamine	40,500.000		1500	2500	ug/L
SSTDICV040	ICVBM010225	Water	n-Nitrosodimethylamine	37,100.000		1000	10000	ug/L
SSTDICV040	ICVBM010225	Water	n-Nitrosodiphenylamine	40,600.000		890	5000	ug/L
SSTDICV040	ICVBM010225	Water	Naphthalene	36,300.000		1000	5000	ug/L
SSTDICV040	ICVBM010225	Water	Nitrobenzene	35,600.000		1300	5000	ug/L
SSTDICV040	ICVBM010225	Water	Pentachlorophenol	39,100.000		1900	10000	ug/L
SSTDICV040	ICVBM010225	Water	Phenanthrene	40,000.000		890	5000	ug/L

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: BM010225

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBM010225	Water	Phenol	38,600.000		930	5000	ug/L
SSTDICV040	ICVBM010225	Water	Pyrene	35,800.000		1100	5000	ug/L
SSTDICV040	ICVBM010225	Water	Pyridine	36,200.000		1600	5000	ug/L
SSTDICV040	ICVBM010225	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	74,400.000		2700	10000	ug/L
SSTDICV040	ICVBM010225	Water	Total PAH	615,200.000		17360	80000	ug/L
			Total Svoc :	**3,834,800.00**				
			Total Concentration:	**3,834,800.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM010225 SAS No.: BM010225 SDG No.: BM010225

Instrument ID: Calibration Date(s): 1/2/2025 1:

Calibration Time(s): 10:07

LAB FILE ID: RRF2.5 = BM049313.D RRF005 = BM049314.D RRF010 = BM049315.D
RRF020 = BM049316.D RRF040 = BM049317.D RRF050 = BM049318.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.682	0.672	0.680	0.626	0.636	0.650	4.3
Pyridine		1.573	1.554	1.588	1.501	1.511	1.538	2.6
2-Fluorophenol		1.205	1.220	1.296	1.271	1.295	1.271	3.4
Benzaldehyde		1.120	1.088	1.090	0.882	0.807	0.956	17.0
Aniline		1.352	1.399	1.476	1.354	1.371	1.376	4.0
Phenol-d6		1.514	1.579	1.732	1.686	1.731	1.679	5.7
Phenol		1.592	1.612	1.740	1.666	1.710	1.683	3.7
bis(2-Chloroethyl)ether		1.328	1.350	1.402	1.317	1.350	1.352	2.2
2-Chlorophenol		1.258	1.257	1.349	1.296	1.321	1.309	3.1
1,2-Dichlorobenzene		1.540	1.506	1.573	1.500	1.529	1.528	2.0
1,3-Dichlorobenzene		1.600	1.555	1.596	1.529	1.555	1.563	2.1
1,4-Dichlorobenzene		1.604	1.582	1.613	1.543	1.576	1.582	1.9
Benzyl Alcohol		0.917	0.966	1.077	1.073	1.131	1.066	8.6
2-Methylphenol		0.925	0.986	1.073	1.047	1.077	1.040	6.0
2,2-oxybis(1-Chloropropane)		2.082	2.011	2.059	1.890	1.917	1.968	4.4
Acetophenone		0.532	0.525	0.556	0.540	0.556	0.546	2.8
3+4-Methylphenols		1.223	1.333	1.477	1.439	1.506	1.429	7.8
n-Nitroso-di-n-propylamine	0.901	0.953	1.034	1.152	1.109	1.138	1.069	9.1
Nitrobenzene-d5		0.392	0.397	0.430	0.424	0.437	0.423	4.8
Hexachloroethane		0.593	0.563	0.598	0.573	0.587	0.583	2.4
Nitrobenzene		0.415	0.418	0.448	0.430	0.436	0.432	3.1
Isophorone		0.639	0.665	0.733	0.714	0.741	0.714	6.3
2-Nitrophenol		0.122	0.136	0.163	0.173	0.180	0.165	15.9
2,4-Dimethylphenol		0.179	0.192	0.213	0.212	0.218	0.209	8.3
bis(2-Chloroethoxy)methane		0.424	0.451	0.468	0.457	0.469	0.461	4.2
2,4-Dichlorophenol		0.274	0.300	0.336	0.334	0.346	0.328	9.3
1,2,4-Trichlorobenzene		0.415	0.406	0.420	0.406	0.412	0.413	1.3
Benzoic acid			0.146	0.208	0.212	0.232	0.216	17.8
Naphthalene		1.059	1.044	1.103	1.067	1.099	1.087	2.8
4-Chloroaniline		0.320	0.339	0.383	0.373	0.385	0.369	7.7
Hexachlorobutadiene		0.268	0.262	0.263	0.255	0.258	0.262	1.8
Caprolactam			0.078	0.096	0.096	0.101	0.097	10.1
4-Chloro-3-methylphenol		0.264	0.286	0.325	0.327	0.336	0.319	10.0
2-Methylnaphthalene		0.695	0.703	0.762	0.746	0.766	0.750	5.1
Hexachlorocyclopentadiene		0.189	0.198	0.216	0.219	0.225	0.215	7.1
2,4,6-Trichlorophenol		0.343	0.375	0.423	0.429	0.445	0.420	10.7

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM010225 SAS No.: BM010225 SDG No.: BM010225

Instrument ID: Calibration Date(s): 1/2/2025 1:

Calibration Time(s): 10:07

LAB FILE ID: RRF2.5 = BM049313.D RRF005 = BM049314.D RRF010 = BM049315.D
RRF020 = BM049316.D RRF040 = BM049317.D RRF050 = BM049318.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.506	1.473	1.564	1.535	1.567	1.540	2.7
2,4,5-Trichlorophenol		0.397	0.427	0.489	0.478	0.495	0.472	9.3
1,1-Biphenyl		1.450	1.438	1.506	1.503	1.541	1.509	3.5
2-Chloronaphthalene		1.180	1.185	1.253	1.238	1.264	1.240	3.5
2-Nitroaniline		0.242	0.262	0.328	0.343	0.357	0.324	15.9
Dimethylphthalate		1.417	1.401	1.495	1.455	1.497	1.471	3.3
Acenaphthylene		1.585	1.598	1.721	1.706	1.762	1.710	5.2
2,6-Dinitrotoluene		0.260	0.280	0.322	0.320	0.333	0.315	10.3
3-Nitroaniline		0.211	0.242	0.295	0.308	0.322	0.292	16.3
Acenaphthene		1.036	1.034	1.109	1.107	1.145	1.109	5.1
2,4-Dinitrophenol			0.093	0.143	0.162	0.177	0.160	23.8
4-Nitrophenol			0.180	0.247	0.260	0.273	0.256	15.8
Dibenzofuran		1.815	1.777	1.857	1.798	1.864	1.834	2.1
2,4-Dinitrotoluene		0.302	0.354	0.434	0.444	0.464	0.422	16.1
Diethylphthalate		1.322	1.341	1.458	1.434	1.491	1.437	5.4
4-Chlorophenyl-phenylether		0.764	0.773	0.832	0.815	0.843	0.819	4.6
Fluorene		1.352	1.407	1.552	1.520	1.547	1.500	5.8
4-Nitroaniline		0.199	0.231	0.312	0.326	0.343	0.303	20.8
4,6-Dinitro-2-methylphenol			0.078	0.104	0.115	0.122	0.113	17.6
n-Nitrosodiphenylamine		0.518	0.524	0.574	0.583	0.597	0.574	6.8
Azobenzene		1.258	1.326	1.442	1.398	1.439	1.391	5.3
2,4,6-Tribromophenol		0.205	0.223	0.263	0.268	0.287	0.263	13.8
4-Bromophenyl-phenylether		0.195	0.197	0.213	0.219	0.226	0.216	7.2
Hexachlorobenzene		0.249	0.242	0.254	0.257	0.265	0.260	5.0
Atrazine		0.158	0.164	0.161	0.140	0.117	0.142	16.6
Pentachlorophenol		0.115	0.131	0.157	0.170	0.178	0.160	17.4
Phenanthrene		1.003	1.008	1.055	1.066	1.096	1.066	4.6
Anthracene		0.888	0.928	0.999	1.027	1.060	1.012	7.8
Carbazole		0.854	0.903	0.986	1.014	1.034	0.988	8.3
Di-n-butylphthalate		0.878	0.971	1.105	1.171	1.215	1.119	13.0
Fluoranthene		1.132	1.180	1.270	1.305	1.361	1.294	8.3
Benzidine		0.339	0.252	0.224	0.337	0.243	0.285	17.9
Pyrene		1.373	1.364	1.435	1.477	1.525	1.473	5.8
Terphenyl-d14		1.064	1.087	1.205	1.267	1.299	1.212	8.3
Butylbenzylphthalate		0.387	0.412	0.480	0.522	0.546	0.498	14.8
3,3-Dichlorobenzidine		0.330	0.369	0.427	0.463	0.469	0.433	14.3

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM010225 SAS No.: BM010225 SDG No.: BM010225

Instrument ID: Calibration Date(s): 1/2/2025 1:

Calibration Time(s): 10:07

LAB FILE ID: RRF2.5 = BM049313.D RRF005 = BM049314.D RRF010 = BM049315.D
RRF020 = BM049316.D RRF040 = BM049317.D RRF050 = BM049318.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.305	1.309	1.428	1.434	1.479	1.426	6.2
Chrysene		1.297	1.259	1.338	1.344	1.384	1.351	4.5
Bis(2-ethylhexyl)phthalate		0.565	0.635	0.755	0.813	0.848	0.763	15.7
Di-n-octyl phthalate			0.957	1.163	1.266	1.339	1.261	14.2
Benzo(b)fluoranthene		1.164	1.183	1.286	1.354	1.399	1.339	10.1
Benzo(k)fluoranthene		1.137	1.167	1.292	1.312	1.379	1.304	8.8
Benzo(a)pyrene		0.978	1.003	1.105	1.145	1.193	1.135	10.1
Indeno(1,2,3-cd)pyrene		1.323	1.328	1.429	1.480	1.523	1.472	8.1
Dibenzo(a,h)anthracene		1.087	1.115	1.196	1.237	1.271	1.227	8.3
Benzo(g,h,i)perylene		1.129	1.148	1.202	1.234	1.259	1.230	6.2
1,2,4,5-Tetrachlorobenzene		0.667	0.647	0.669	0.666	0.683	0.678	3.3
1,4-Dioxane		0.589	0.550	0.557	0.518	0.517	0.537	5.6
2,3,4,6-Tetrachlorophenol		0.344	0.357	0.403	0.397	0.413	0.394	8.0
1-Methylnaphthalene		0.694	0.700	0.756	0.739	0.760	0.743	4.7

All other compounds must meet a minimum RRF of 0.010.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM010225 SAS No.: BM010225 SDG NO.: BM010225

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 2 2025 12:00AM

Lab File ID: BM049317.D Time Analyzed: 17:33

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	174452	7.528	663972	10.29	433919	14.17
	UPPER LIMIT	348904	8.028	1327944	10.792	867838	14.669
	LOWER LIMIT	87226	7.028	331986	9.792	216959.5	13.669
	EPA SAMPLE NO.						
01	ICVBM010225	178455	7.53	695751	10.29	454907	14.17
02	PB165929BL	173071	7.53	601721	10.29	350888	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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM010225 SAS No.: BM010225 SDG NO.: BM010225

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 2 2025 12:00AM

Lab File ID: BM049317.D Time Analyzed: 17:33

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	174452	7.528	663972	10.29	433919	14.17
	UPPER LIMIT	348904	8.028	1327944	10.792	867838	14.669
	LOWER LIMIT	87226	7.028	331986	9.792	216959.5	13.669
	EPA SAMPLE NO.						
01	ICVBM010225	178455	7.53	695751	10.29	454907	14.17
02	PB165929BL	173071	7.53	601721	10.29	350888	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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM010225 SAS No.: BM010225 SDG NO.: BM010225

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 2 2025 12:00AM

Lab File ID: BM049317.D Time Analyzed: 17:33

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	895982	16.921	838676	21.151	859413	23.939
	UPPER LIMIT	1791964	17.421	1677352	21.651	1718826	24.439
	LOWER LIMIT	447991	16.421	419338	20.651	429706.5	23.439
	EPA SAMPLE NO.						
01	ICVBM010225	907747	16.92	932860	21.16	899795	23.94
02	PB165929BL	677127	16.92	574209	21.15	585252	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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM010225 SAS No.: BM010225 SDG NO.: BM010225

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 2 2025 12:00AM

Lab File ID: BM049317.D Time Analyzed: 17:33

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	895982	16.921	838676	21.151	859413	23.939
	UPPER LIMIT	1791964	17.421	1677352	21.651	1718826	24.439
	LOWER LIMIT	447991	16.421	419338	20.651	429706.5	23.439
	EPA SAMPLE NO.						
01	ICVBM010225	907747	16.92	932860	21.16	899795	23.94
02	PB165929BL	677127	16.92	574209	21.15	585252	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.

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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 Qual	Limits Low	Limits High	RPD

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBM010225

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM010225 SAS No.: BM010225 SDG NO.: BM010225

Lab File ID: BM049321.D Lab Sample ID: SSTDICV040

Instrument ID: BNA_M Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 01/02/2025

Level: (low/med) LOW Time Analyzed: 17:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBM010225	SSTDICV040	BM049321.D	01/02/2025

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165929BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM010225 SAS No.: BM010225 SDG NO.: BM010225

Lab File ID: BM049322.D Lab Sample ID: PB165929BL

Instrument ID: BNA_M Date Extracted: 12/31/2024

Matrix: (soil/water) Solid Date Analyzed: 01/02/2025

Level: (low/med) LOW Time Analyzed: 18:51

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

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

COMMENTS:

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Surrogate Summary

SW-846

SDG No.: BM010225

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDICV040	ICVBM010225	BM049321.D	2-Fluorophenol	150	75,627.00	50418	*	10	139
			Phenol-d6	150	73,070.00	48713	*	10	134
			Nitrobenzene-d5	100	72,209.00	72209	*	49	133
			2-Fluorobiphenyl	100	71,443.00	71443	*	52	132
			2,4,6-Tribromophenol	150	75,224.00	50149	*	44	137
			Terphenyl-d14	100	70,274.00	70274	*	48	125

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Surrogate Summary

SW-846

SDG No.: BM010225

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB165929BL	PB165929BL	BM049322.D	2-Fluorophenol	150	149.00	99		18	112
			Phenol-d6	150	136.24	91		15	107
			Nitrobenzene-d5	100	92.75	93		18	107
			2-Fluorobiphenyl	100	98.37	98		20	109
			2,4,6-Tribromophenol	150	142.69	95		10	116
			Terphenyl-d14	100	114.55	115	*	10	105

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BM010225

Lab Code: CHEM SAS No.: BM010225 SDG NO.: BM010225

Lab File ID: BM049312.D DFTPP Injection Date: 01/02/2025

Instrument ID: BNA_M DFTPP Injection Time: 09:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.2
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	34.8
70	Less than 2.0% of mass 69	0.2 (0.6) 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	6.7
275	10.0 - 60.0% of mass 198	23.6
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	10.7
442	Greater than 50% of mass 198	66
443	15.0 - 24.0% of mass 442	12.6 (19) 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	BM049313.D	01/02/2025	10:07
SSTDICC005	SSTDICC005	BM049314.D	01/02/2025	12:49
SSTDICC010	SSTDICC010	BM049315.D	01/02/2025	13:29
SSTDICC020	SSTDICC020	BM049316.D	01/02/2025	14:08
SSTDICCC040	SSTDICCC040	BM049317.D	01/02/2025	14:47
SSTDICC050	SSTDICC050	BM049318.D	01/02/2025	15:26
SSTDICC060	SSTDICC060	BM049319.D	01/02/2025	16:05
SSTDICC080	SSTDICC080	BM049320.D	01/02/2025	16:44
ICVBM010225	SSTDICV040	BM049321.D	01/02/2025	17:33
PB165929BL	PB165929BL	BM049322.D	01/02/2025	18:51