

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN010225 SAS No.: BN010225 SDG No.: BN010225

Instrument ID: BNA_N Calibration Date/Time: 1/2/2025 12:12:40

Lab File ID: BN035873.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDICCC0.4 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.536	0.527		-1.679	20.0
Fluoranthene-d10	0.993	0.978		-1.511	20.0
n-Nitrosodimethylamine	0.693	0.676		-2.453	20.0
2-Fluorophenol	0.981	0.952		-2.956	20.0
Phenol-d6	1.219	1.180		-3.199	20.0
bis(2-Chloroethyl) ether	0.929	0.936		0.753	20.0
Nitrobenzene-d5	0.317	0.296		-6.625	20.0
Naphthalene	1.123	1.086		-3.295	20.0
Hexachlorobutadiene	0.365	0.353		-3.288	20.0
2-Methylnaphthalene	0.695	0.685		-1.439	20.0
2-Fluorobiphenyl	1.755	1.708		-2.678	20.0
Acenaphthylene	1.884	1.819		-3.45	20.0
Acenaphthene	1.235	1.198		-2.996	20.0
Fluorene	1.359	1.307		-3.826	20.0
4,6-Dinitro-2-methylphenol	0.069	0.067		-2.899	20.0
2,4,6-Tribromophenol	0.192	0.189		-1.563	20.0
4-Bromophenyl-phenylether	0.274	0.268		-2.19	20.0
Hexachlorobenzene	0.374	0.356		-4.813	20.0
Atrazine	0.184	0.176		-4.348	20.0
Pentachlorophenol	0.132	0.118		-10.606	20.0
Phenanthrene	1.167	1.142		-2.142	20.0
Anthracene	1.062	1.008		-5.085	20.0
Fluoranthene	1.361	1.330		-2.278	20.0
Pyrene	1.624	1.571		-3.264	20.0
Terphenyl-d14	0.797	0.790		-0.878	20.0
Benzo(a)anthracene	1.410	1.344		-4.681	20.0
Chrysene	1.475	1.441		-2.305	20.0
Bis(2-ethylhexyl)phthalate	0.574	0.582		1.394	20.0
Benzo(b)fluoranthene	1.374	1.294		-5.822	20.0
Benzo(k)fluoranthene	1.360	1.251		-8.015	20.0
Benzo(a)pyrene	1.190	1.086		-8.739	20.0
Indeno(1,2,3-cd)pyrene	1.577	1.414		-10.336	20.0
Dibenzo(a,h)anthracene	1.255	1.106		-11.873	20.0
Benzo(g,h,i)perylene	1.403	1.245		-11.262	20.0
1,4-Dioxane	0.397	0.373		-6.045	20.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBN010225	SDG No.:	BN010225
Lab Sample ID:	SSTDICV0.4	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN035878.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	420		30	200	200	ug/L
111-44-4	bis(2-Chloroethyl)ether	420		28	100	100	ug/L
91-20-3	Naphthalene	400		24	100	100	ug/L
87-68-3	Hexachlorobutadiene	390		26	100	100	ug/L
91-57-6	2-Methylnaphthalene	410		30	100	100	ug/L
208-96-8	Acenaphthylene	450		21	100	100	ug/L
83-32-9	Acenaphthene	430		20	100	100	ug/L
Total PAH	Total PAH	6420		456	100	1600	ug/L
86-73-7	Fluorene	410		18	100	100	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	410		140	200	200	ug/L
101-55-3	4-Bromophenyl-phenylether	400		26	100	100	ug/L
118-74-1	Hexachlorobenzene	410		29	100	100	ug/L
1912-24-9	Atrazine	390		23	100	100	ug/L
87-86-5	Pentachlorophenol	390		90	200	200	ug/L
85-01-8	Phenanthrene	420		20	100	100	ug/L
120-12-7	Anthracene	420		24	100	100	ug/L
206-44-0	Fluoranthene	380		23	100	100	ug/L
129-00-0	Pyrene	390		22	100	100	ug/L
56-55-3	Benzo(a)anthracene	410		22	100	100	ug/L
218-01-9	Chrysene	400		26	100	100	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	390		140	200	200	ug/L
205-99-2	Benzo(b)fluoranthene	370		32	100	100	ug/L
207-08-9	Benzo(k)fluoranthene	380		34	100	100	ug/L
50-32-8	Benzo(a)pyrene	400		56	100	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	400		38	100	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	400		39	100	100	ug/L
191-24-2	Benzo(g,h,i)perylene	360		37	100	100	ug/L
123-91-1	1,4-Dioxane	470		68	200	200	ug/L

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBN010225	SDG No.:	BN010225
Lab Sample ID:	SSTDICV0.4	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN035878.D	1		1/2/2025 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	389	*	20-139		97250	SPK: -0.4
93951-69-0	Fluoranthene-d10	382	*	30-150		95500	SPK: -0.4
367-12-4	2-Fluorophenol	342	*	10-100		85500	SPK: -0.4
13127-88-3	Phenol-d6	332	*	10-100		83000	SPK: -0.4
4165-60-0	Nitrobenzene-d5	398	*	27-123		99500	SPK: -0.4
321-60-8	2-Fluorobiphenyl	431	*	34-132		107750	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	350	*	10-131		87500	SPK: -0.4
1718-51-0	Terphenyl-d14	393	*	35-157		98250	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1111		7.835			
1146-65-2	Naphthalene-d8	2204		10.625			
15067-26-2	Acenaphthene-d10	1019		14.462			
1517-22-2	Phenanthrene-d10	1951		17.21			
1719-03-5	Chrysene-d12	1648		21.384			
1520-96-3	Perylene-d12	1887		23.697			

Report of Analysis

Client:		Date Collected:	12/23/2024 12:00:00 AM
Project:		Date Received:	12/23/2024 12:00:00 AM
Client Sample ID:	PB165828BL	SDG No.:	BN010225
Lab Sample ID:	PB165828BL	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN035879.D	1	12/23/2024 12:00:00 AM	1/2/2025 12:00:00 AM	PB165828

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.02	U	0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.1	0.1	ug/L
Total PAH	Total PAH	0.45	U	0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.09	U	0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.02	U	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.14	U	0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.07	U	0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	12/23/2024 12:00:00 AM
Project:		Date Received:	12/23/2024 12:00:00 AM
Client Sample ID:	PB165828BL	SDG No.:	BN010225
Lab Sample ID:	PB165828BL	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN035879.D	1	12/23/2024 12:00:00 AM	1/2/2025 12:00:00 AM	PB165828

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.406		20-139		101	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.399		30-150		100	SPK: -0.4
367-12-4	2-Fluorophenol	0.32		10-100		80	SPK: -0.4
13127-88-3	Phenol-d6	0.316		10-100		79	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.382		27-123		95	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.39		34-132		97	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.245		10-131		61	SPK: -0.4
1718-51-0	Terphenyl-d14	0.452		35-157		113	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1383	7.835				
1146-65-2	Naphthalene-d8	2778	10.625				
15067-26-2	Acenaphthene-d10	1375	14.462				
1517-22-2	Phenanthrene-d10	2594	17.21				
1719-03-5	Chrysene-d12	2029	21.384				
1520-96-3	Perylene-d12	2328	23.694				

Hit Summary Sheet SW-846

SDG No.: BN010225

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	ICVBN010225							
SSTDICV0.4	ICVBN010225	Water	1,4-Dioxane	470.000	68		200	ug/L
SSTDICV0.4	ICVBN010225	Water	2-Methylnaphthalene	410.000	30		100	ug/L
SSTDICV0.4	ICVBN010225	Water	4,6-Dinitro-2-methylphenol	410.000	140		200	ug/L
SSTDICV0.4	ICVBN010225	Water	4-Bromophenyl-phenylether	400.000	26		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Acenaphthene	430.000	20		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Acenaphthylene	450.000	21		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Anthracene	420.000	24		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Atrazine	390.000	23		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Benzo(a)anthracene	410.000	22		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Benzo(a)pyrene	400.000	56		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Benzo(b)fluoranthene	370.000	32		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Benzo(g,h,i)perylene	360.000	37		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Benzo(k)fluoranthene	380.000	34		100	ug/L
SSTDICV0.4	ICVBN010225	Water	bis(2-Chloroethyl)ether	420.000	28		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Bis(2-ethylhexyl)phthalate	390.000	140		200	ug/L
SSTDICV0.4	ICVBN010225	Water	Chrysene	400.000	26		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Dibenzo(a,h)anthracene	400.000	39		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Fluoranthene	380.000	23		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Fluorene	410.000	18		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Hexachlorobenzene	410.000	29		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Hexachlorobutadiene	390.000	26		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Indeno(1,2,3-cd)pyrene	400.000	38		100	ug/L
SSTDICV0.4	ICVBN010225	Water	n-Nitrosodimethylamine	420.000	30		200	ug/L
SSTDICV0.4	ICVBN010225	Water	Naphthalene	400.000	24		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Pentachlorophenol	390.000	90		200	ug/L
SSTDICV0.4	ICVBN010225	Water	Phenanthrene	420.000	20		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Pyrene	390.000	22		100	ug/L
SSTDICV0.4	ICVBN010225	Water	Total PAH	6,420.000	456		1600	ug/L
Total Svoc :				17,340.00				
Total Concentration:				17,340.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BN010225 SAS No.: BN010225 SDG No.: BN010225
Instrument ID: _____ Calibration Date(s): 1/2/2025 1: _____
Calibration Time(s): 11:28 _____

LAB FILE ID:		RRF0.1 = BN035871.D		RRF0.2 = BN035872.D		RRF0.4 = BN035873.D		
		RRF0.8 = BN035874.D		RRF1.6 = BN035875.D		RRF3.2 = BN035876.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.547	0.536	0.527	0.519	0.556	0.524	0.536	2.5
Fluoranthene-d10	0.988	0.952	0.978	0.959	1.028	1.010	0.993	3.3
n-Nitrosodimethylamine	0.707	0.674	0.676	0.690	0.722	0.690	0.693	2.5
2-Fluorophenol	1.031	1.009	0.952	0.958	0.997	0.956	0.981	3.1
Phenol-d6	1.351	1.255	1.180	1.197	1.215	1.163	1.219	5.4
bis(2-Chloroethyl)ether	1.001	0.946	0.936	0.913	0.938	0.886	0.929	4.4
Nitrobenzene-d5	0.346	0.307	0.296	0.302	0.319	0.317	0.317	5.5
Naphthalene	1.163	1.094	1.086	1.096	1.167	1.113	1.123	3.0
Hexachlorobutadiene	0.368	0.354	0.353	0.364	0.382	0.362	0.365	2.7
2-Methylnaphthalene	0.691	0.654	0.685	0.680	0.731	0.701	0.695	3.7
2-Fluorobiphenyl	1.776	1.675	1.708	1.765	1.823	1.779	1.755	2.8
Acenaphthylene	1.890	1.766	1.819	1.839	1.962	1.948	1.884	4.1
Acenaphthene	1.187	1.162	1.198	1.232	1.300	1.275	1.235	4.4
Fluorene	1.341	1.270	1.307	1.298	1.419	1.444	1.359	5.3
4,6-Dinitro-2-methylphenol	0.058	0.066	0.067	0.069	0.076	0.076	0.069	9.5
2,4,6-Tribromophenol	0.164	0.165	0.189	0.189	0.207	0.211	0.192	11.4
4-Bromophenyl-phenylether	0.265	0.269	0.268	0.267	0.290	0.283	0.274	3.5
Hexachlorobenzene	0.393	0.369	0.356	0.362	0.394	0.373	0.374	3.9
Atrazine	0.169	0.191	0.176	0.171	0.198	0.190	0.184	6.4
Pentachlorophenol	0.141	0.101	0.118	0.122	0.143	0.148	0.132	14.4
Phenanthrene	1.131	1.132	1.142	1.144	1.228	1.193	1.167	3.4
Anthracene	0.996	0.998	1.008	1.033	1.137	1.132	1.062	6.3
Fluoranthene	1.268	1.253	1.330	1.312	1.441	1.446	1.361	6.7
Pyrene	1.606	1.620	1.571	1.612	1.711	1.621	1.624	2.6
Terphenyl-d14	0.814	0.813	0.790	0.777	0.828	0.776	0.797	2.6
Benzo (a) anthracene	1.379	1.382	1.344	1.407	1.461	1.427	1.410	3.2
Chrysene	1.484	1.458	1.441	1.451	1.541	1.478	1.475	2.2
Bis(2-ethylhexyl)phthalate	0.691	0.583	0.582	0.541	0.569	0.519	0.574	10.1
Benzo (b) fluoranthene	1.337	1.304	1.294	1.351	1.466	1.420	1.374	5.1
Benzo (k) fluoranthene	1.279	1.254	1.251	1.344	1.469	1.442	1.360	7.6
Benzo (a) pyrene	1.099	1.181	1.086	1.163	1.270	1.244	1.190	6.7
Indeno (1,2,3-cd) pyrene	1.428	1.461	1.414	1.578	1.697	1.712	1.577	9.1
Dibenzo (a,h) anthracene	1.145	1.152	1.106	1.251	1.363	1.365	1.255	9.8
Benzo (g,h,i) perylene	1.335	1.316	1.245	1.407	1.490	1.501	1.403	7.7
1,4-Dioxane	0.454	0.422	0.373	0.388	0.391	0.377	0.397	7.5

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.: BN010225 SAS No.: BN010225 SDG NO.: BN010225

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jan 2 2025 12:00AM

Lab File ID: BN035873.D Time Analyzed: 15:51

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	1261	7.836	2582	10.63	1358	14.46
UPPER LIMIT	2522	8.336	5164	11.126	2716	14.962
LOWER LIMIT	630.5	7.336	1291	10.126	679	13.962
EPA SAMPLE NO.						
01 ICVBN010225	1111	7.84	2204	10.63	1019	14.46
02 PB165828BL	1383	7.84	2778	10.63	1375	14.46

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.: BN010225 SAS No.: BN010225 SDG NO.: BN010225

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jan 2 2025 12:00AM

Lab File ID: BN035873.D Time Analyzed: 15:51

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	1261	7.836	2582	10.63	1358	14.46
UPPER LIMIT	2522	8.336	5164	11.126	2716	14.962
LOWER LIMIT	630.5	7.336	1291	10.126	679	13.962
EPA SAMPLE NO.						
01 ICVBN010225	1111	7.84	2204	10.63	1019	14.46
02 PB165828BL	1383	7.84	2778	10.63	1375	14.46

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.: BN010225 SAS No.: BN010225 SDG NO.: BN010225

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jan 2 2025 12:00AM

Lab File ID: BN035873.D Time Analyzed: 15:51

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	2769	17.21	2381	21.384	2623	23.694
UPPER LIMIT	5538	17.71	4762	21.884	5246	24.194
LOWER LIMIT	1384.5	16.71	1190.5	20.884	1311.5	23.194
EPA SAMPLE NO.						
01 ICVBN010225	1951	17.21	1648	21.38	1887	23.70
02 PB165828BL	2594	17.21	2029	21.38	2328	23.69

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.: BN010225 SAS No.: BN010225 SDG NO.: BN010225

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jan 2 2025 12:00AM

Lab File ID: BN035873.D Time Analyzed: 15:51

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	2769	17.21	2381	21.384	2623	23.694
UPPER LIMIT	5538	17.71	4762	21.884	5246	24.194
LOWER LIMIT	1384.5	16.71	1190.5	20.884	1311.5	23.194
EPA SAMPLE NO.						
01 ICVBN010225	1951	17.21	1648	21.38	1887	23.70
02 PB165828BL	2594	17.21	2029	21.38	2328	23.69

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.

ICVBN010225

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN010225

SAS No.: BN010225 SDG NO.: BN010225

Lab File ID: BN035878.D

Lab Sample ID: SSTDICV0.4

Instrument ID: BNA_N

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 01/02/2025

Level: (low/med) LOW

Time Analyzed: 15:51

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBN010225	SSTDICV0.4	BN035878.D	01/02/2025

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165828BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN010225

SAS No.: BN010225 SDG NO.: BN010225

Lab File ID: BN035879.D

Lab Sample ID: PB165828BL

Instrument ID: BNA_N

Date Extracted: 12/23/2024

Matrix: (soil/water) Water

Date Analyzed: 01/02/2025

Level: (low/med) LOW

Time Analyzed: 16:41

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.: BN010225

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV0.4	ICVBN010225	BN035878.D	2-Methylnaphthalene-d10	0.4	389.00	97250	*	20	139
			Fluoranthene-d10	0.4	382.00	95500	*	30	150
			2-Fluorophenol	0.4	342.00	85500	*	10	100
			Phenol-d6	0.4	332.00	83000	*	10	100
			Nitrobenzene-d5	0.4	398.00	99500	*	27	123
			2-Fluorobiphenyl	0.4	431.00	107750	*	34	132
			2,4,6-Tribromophenol	0.4	350.00	87500	*	10	131
			Terphenyl-d14	0.4	393.00	98250	*	35	157

Surrogate Summary

SW-846

SDG No.: BN010225

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165828BL	PB165828BL	BN035879.D	2-Methylnaphthalene-d10	0.4	0.41	101		20	139
			Fluoranthene-d10	0.4	0.40	100		30	150
			2-Fluorophenol	0.4	0.32	80		10	100
			Phenol-d6	0.4	0.32	79		10	100
			Nitrobenzene-d5	0.4	0.38	95		27	123
			2-Fluorobiphenyl	0.4	0.39	97		34	132
			2,4,6-Tribromophenol	0.4	0.25	61		10	131
			Terphenyl-d14	0.4	0.45	113		35	157

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN010225

Lab Code: CHEM

SAS No.: BN010225

SDG NO.: BN010225

Lab File ID: BN035870.D

DFTPP Injection Date: 01/02/2025

Instrument ID: BNA_N

DFTPP Injection Time: 10:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.9
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	39
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	43.4
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.2
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	9.5
442	Greater than 50% of mass 198	63
443	15.0 - 24.0% of mass 442	12.1 (19.3) 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
SSTDICC0.1	SSTDICC0.1	BN035871.D	01/02/2025	11:28
SSTDICC0.2	SSTDICC0.2	BN035872.D	01/02/2025	12:04
SSTDICCC0.4	SSTDICCC0.4	BN035873.D	01/02/2025	12:40
SSTDICC0.8	SSTDICC0.8	BN035874.D	01/02/2025	13:16
SSTDICC1.6	SSTDICC1.6	BN035875.D	01/02/2025	13:52
SSTDICC3.2	SSTDICC3.2	BN035876.D	01/02/2025	14:28
SSTDICC5.0	SSTDICC5.0	BN035877.D	01/02/2025	15:04
ICVBN010225	SSTDICV0.4	BN035878.D	01/02/2025	15:51
PB165828BL	PB165828BL	BN035879.D	01/02/2025	16:41