

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN112624 SAS No.: BN112624 SDG No.: BN112624

Instrument ID: BNA_N Calibration Date/Time: 11/26/2024 : 05:08

Lab File ID: BN035302.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4351 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.397	0.430	0.010	8.313	40.0
1,4-Dioxane-d8	0.366	0.397	0.010	8.5894	40.0
Naphthalene	1.008	1.020	0.600	1.259	30.0
1-Methylnaphthalene	0.705	0.666	0.300	-5.5586	30.0
2-Methylnaphthalene	0.699	0.659	0.300	-5.6529	30.0
Acenaphthylene	1.587	1.752	0.900	10.4469	30.0
Acenaphthene	1.214	1.328	0.500	9.3975	30.0
Fluorene	1.425	1.462	0.700	2.5663	30.0
Pentachlorophenol	0.093	0.078	0.010	-15.9311	50.0
Phenanthrene	1.057	1.135	0.300	7.3194	30.0
Anthracene	0.981	0.981	0.400	-0.0795	30.0
Fluoranthene	1.393	1.511	0.400	8.5159	30.0
Pyrene	1.449	1.547	0.500	6.7112	30.0
Benzo (a) anthracene	1.388	1.377	0.400	-0.7793	30.0
Chrysene	1.397	1.544	0.400	10.5482	30.0
Benzo (b) fluoranthene	1.322	1.348	0.200	1.9235	30.0
Benzo (k) fluoranthene	1.363	1.502	0.200	10.1476	30.0
Benzo (a) pyrene	1.208	1.240	0.200	2.5831	30.0
Indeno (1,2,3-cd) pyrene	1.632	1.664	0.200	1.9919	30.0
Dibenzo (a,h) anthracene	1.279	1.261	0.200	-1.445	30.0
Benzo (g,h,i) perylene	1.287	1.324	0.200	2.9228	30.0
Fluoranthene-d10	1.104	1.096	0.400	-0.6609	30.0
2-Methylnaphthalene-d10	0.586	0.506	0.300	-13.7159	30.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BN112624 SAS No.: BN112624 SDG No.: BN112624
Instrument ID: BNA_N Calibration Date/Time: 11/26/2024 : 08:08
Lab File ID: BN035306.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD0.4352 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.397	0.442	0.010	11.46	50.0
1,4-Dioxane-d8	0.366	0.396	0.010	8.4046	50.0
Naphthalene	1.008	1.017	0.600	0.9169	50.0
1-Methylnaphthalene	0.705	0.662	0.300	-6.1366	50.0
2-Methylnaphthalene	0.699	0.656	0.300	-6.1682	50.0
Acenaphthylene	1.587	1.718	0.900	8.2956	50.0
Acenaphthene	1.214	1.311	0.500	8.0217	50.0
Fluorene	1.425	1.439	0.700	0.9734	50.0
Pentachlorophenol	0.093	0.078	0.010	-16.2938	50.0
Phenanthrene	1.057	1.129	0.300	6.8036	50.0
Anthracene	0.981	0.976	0.400	-0.511	50.0
Fluoranthene	1.393	1.495	0.400	7.3223	50.0
Pyrene	1.449	1.540	0.500	6.2362	50.0
Benzo (a) anthracene	1.388	1.369	0.400	-1.3849	50.0
Chrysene	1.397	1.527	0.400	9.3502	50.0
Benzo (b) fluoranthene	1.322	1.287	0.200	-2.6553	50.0
Benzo (k) fluoranthene	1.363	1.485	0.200	8.9307	50.0
Benzo (a) pyrene	1.208	1.202	0.200	-0.5518	50.0
Indeno (1,2,3-cd) pyrene	1.632	1.657	0.200	1.5474	50.0
Dibenzo (a,h) anthracene	1.279	1.251	0.200	-2.2065	50.0
Benzo (g,h,i) perylene	1.287	1.274	0.200	-0.959	50.0
Fluoranthene-d10	1.104	1.109	0.400	0.5203	50.0
2-Methylnaphthalene-d10	0.586	0.512	0.300	-12.7146	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	11/25/2024 12:00:00 AM
Project:		Date Received:	11/25/2024 12:00:00 AM
Client Sample ID:	SBLK232	SDG No.:	BN112624
Lab Sample ID:	PB165232BL	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% 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
BN035303.D	1	11/25/2024 12:00:00 AM	11/26/2024 12:00:00 AM	PB165232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.031	U	0.031	0	0.2	ug/L
91-20-3	Naphthalene	0.011	U	0.011	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.024	U	0.024	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.011	U	0.011	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.014	U	0.014	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.013	U	0.013	0.05	0.1	ug/L
86-73-7	Fluorene	0.022	U	0.022	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.041	U	0.041	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.014	U	0.014	0.05	0.1	ug/L
120-12-7	Anthracene	0.011	U	0.011	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.022	U	0.022	0.05	0.1	ug/L
129-00-0	Pyrene	0.016	U	0.016	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.015	U	0.015	0.05	0.1	ug/L
218-01-9	Chrysene	0.014	U	0.014	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.004	U	0.004	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.019	U	0.019	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.012	U	0.012	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.023	U	0.023	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.026	U	0.026	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.025	U	0.025	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.709		15-120		84	SPK: -8
93951-69-0	Fluoranthene-d10	0.389		30-130		97	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.301		30-130		75	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3181		7.314			
1146-65-2	Naphthalene-d8	7651		10.059			
15067-26-2	Acenaphthene-d10	4192		13.972			

Report of Analysis

Client:		Date Collected:	11/25/2024 12:00:00 AM
Project:		Date Received:	11/25/2024 12:00:00 AM
Client Sample ID:	SBLK232	SDG No.:	BN112624
Lab Sample ID:	PB165232BL	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% 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
BN035303.D	1	11/25/2024 12:00:00 AM	11/26/2024 12:00:00 AM	PB165232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	8144	16.738				
1719-03-5	Chrysene-d12	6161	20.982				
1520-96-3	Perylene-d12	6395	23.077				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	11/22/2024 12:00:00 AM
Project:		Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	E1PJ0	SDG No.:	BN112624
Lab Sample ID:	P4965-03	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% 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
BN035304.D	1	11/25/2024 12:00:00 AM	11/26/2024 12:00:00 AM	PB165232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.031	U	0.031	0	0.2	ug/L
91-20-3	Naphthalene	0.011	U	0.011	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.024	U	0.024	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.011	U	0.011	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.014	U	0.014	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.013	U	0.013	0.05	0.1	ug/L
86-73-7	Fluorene	0.022	U	0.022	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.041	U	0.041	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.014	U	0.014	0.05	0.1	ug/L
120-12-7	Anthracene	0.011	U	0.011	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.022	U	0.022	0.05	0.1	ug/L
129-00-0	Pyrene	0.016	U	0.016	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.015	U	0.015	0.05	0.1	ug/L
218-01-9	Chrysene	0.014	U	0.014	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.004	U	0.004	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.019	U	0.019	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.012	U	0.012	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.023	U	0.023	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.026	U	0.026	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.025	U	0.025	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.021		15-120		63	SPK: -8
93951-69-0	Fluoranthene-d10	0.426		30-130		106	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.312		30-130		78	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3189		7.314			
1146-65-2	Naphthalene-d8	8125		10.059			
15067-26-2	Acenaphthene-d10	4852		13.972			

Report of Analysis

Client:		Date Collected:	11/22/2024 12:00:00 AM
Project:		Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	E1PJ0	SDG No.:	BN112624
Lab Sample ID:	P4965-03	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% 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
BN035304.D	1	11/25/2024 12:00:00 AM	11/26/2024 12:00:00 AM	PB165232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	10598	16.738				
1719-03-5	Chrysene-d12	8765	20.982				
1520-96-3	Perylene-d12	8324	23.08				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	11/25/2024 12:00:00 AM
Project:		Date Received:	11/25/2024 12:00:00 AM
Client Sample ID:	SLCS232	SDG No.:	BN112624
Lab Sample ID:	PB165232BS	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% 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
BN035305.D	1	11/25/2024 12:00:00 AM	11/26/2024 12:00:00 AM	PB165232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.7		0.031	0	0.2	ug/L
91-20-3	Naphthalene	0.35		0.011	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.32		0.024	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.32		0.011	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.37		0.014	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.37		0.013	0.05	0.1	ug/L
86-73-7	Fluorene	0.34		0.022	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.67		0.041	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.36		0.014	0.05	0.1	ug/L
120-12-7	Anthracene	0.34		0.011	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.38		0.022	0.05	0.1	ug/L
129-00-0	Pyrene	0.38		0.016	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.36		0.015	0.05	0.1	ug/L
218-01-9	Chrysene	0.41		0.014	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.37		0.004	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.42		0.019	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.37		0.012	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.39		0.023	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.36		0.026	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.37		0.025	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.723		15-120		90	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.391		30-130		98	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.329		30-130		82	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2937	7.314				
1146-65-2	Naphthalene-d8	7102	10.064				
15067-26-2	Acenaphthene-d10	3820	13.972				

Report of Analysis

Client:		Date Collected:	11/25/2024 12:00:00 AM
Project:		Date Received:	11/25/2024 12:00:00 AM
Client Sample ID:	SLCS232	SDG No.:	BN112624
Lab Sample ID:	PB165232BS	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% 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
BN035305.D	1	11/25/2024 12:00:00 AM	11/26/2024 12:00:00 AM	PB165232

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	7710	16.738				
1719-03-5	Chrysene-d12	6344	20.982				
1520-96-3	Perylene-d12	6933	23.08				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L



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

Hit Summary Sheet
SW-846

SDG No.: BN112624

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	E1PJ0							
P4965-03	E1PJ0	Water	Total Alkanes	*	0.000	0.031	0.2	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BN111624 SAS No.: BN111624 SDG No.: BN111624
Instrument ID: _____ Calibration Date(s): 11/16/2024
Calibration Time(s): 12:26

LAB FILE ID:		RRFAL1 = BN035134.D			RRFAL2 = BN035135.D		RRFAL3 = BN035136.D	
		RRFAL4 = BN035137.D			RRFAL5 = BN035138.D		RRFAL6 = BN035139.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane		0.425	0.424	0.381	0.380	0.374	0.397	6.4
1,4-Dioxane-d8		0.385	0.398	0.347	0.350	0.347	0.366	6.6
Naphthalene	1.030	1.015	1.057	0.976	0.961		1.008	3.9
1-Methylnaphthalene	0.723	0.695	0.740	0.684	0.685		0.705	3.5
2-Methylnaphthalene	0.705	0.695	0.737	0.680	0.677		0.699	3.5
Acenaphthylene	1.595	1.597	1.638	1.568	1.536		1.587	2.4
Acenaphthene	1.241	1.225	1.246	1.197	1.161		1.214	2.9
Fluorene	1.444	1.422	1.476	1.410	1.373		1.425	2.7
Pentachlorophenol		0.079	0.087	0.088	0.099	0.113	0.093	14.2
Phenanthrene	1.071	1.063	1.088	1.043	1.023		1.057	2.4
Anthracene	0.998	0.971	1.004	0.969	0.966		0.981	1.8
Fluoranthene	1.393	1.361	1.470	1.388	1.353		1.393	3.3
Pyrene	1.466	1.429	1.530	1.433	1.388		1.449	3.7
Benzo(a)anthracene	1.404	1.387	1.441	1.367	1.342		1.388	2.7
Chrysene	1.420	1.402	1.456	1.377	1.330		1.397	3.4
Benzo(b)fluoranthene	1.355	1.307	1.371	1.289	1.290		1.322	2.9
Benzo(k)fluoranthene	1.336	1.401	1.421	1.345	1.313		1.363	3.3
Benzo(a)pyrene	1.242	1.203	1.244	1.182	1.170		1.208	2.8
Indeno(1,2,3-cd)pyrene	1.631	1.626	1.714	1.609	1.579		1.632	3.1
Dibenzo(a,h)anthracene	1.270	1.273	1.348	1.264	1.241		1.279	3.2
Benzo(g,h,i)perylene	1.286	1.305	1.348	1.261	1.233		1.287	3.4
Fluoranthene-d10	1.120	1.083	1.165	1.089	1.060		1.104	3.7
2-Methylnaphthalene-d10	0.600	0.583	0.614	0.569	0.565		0.586	3.5

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.: BN112624 SAS No.: BN112624 SDG NO.: BN112624

EPA Sample No.: SSTD0.4225 Date Analyzed: Nov 26 2024 12:00AM

Lab File ID: BN035136.D Time Analyzed: 05:44

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	2538	7.55	5912	10.31	3911	14.19
UPPER LIMIT	5076	8.05	11824	10.812	7822	14.689
LOWER LIMIT	1269	7.05	2956	9.812	1955.5	13.689
EPA SAMPLE NO.						
01 SBLK232	3181	7.31	7651	10.06	4192	13.97
02 E1PJ0	3189	7.31	8125	10.06	4852	13.97
03 SLCS232	2937	7.31	7102	10.06	3820	13.97

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.: BN112624 SAS No.: BN112624 SDG NO.: BN112624

EPA Sample No.: SSTD0.4351 Date Analyzed: Nov 26 2024 12:00AM

Lab File ID: BN035302.D Time Analyzed: 05:44

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	2859	7.314	6576	10.06	3523	13.97
UPPER LIMIT	5718	7.814	13152	10.564	7046	14.472
LOWER LIMIT	1429.5	6.814	3288	9.564	1761.5	13.472
EPA SAMPLE NO.						
01 SBLK232	3181	7.31	7651	10.06	4192	13.97
02 E1PJ0	3189	7.31	8125	10.06	4852	13.97
03 SLCS232	2937	7.31	7102	10.06	3820	13.97

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.: BN112624 SAS No.: BN112624 SDG NO.: BN112624

EPA Sample No.: SSTD0.4225 Date Analyzed: Nov 26 2024 12:00AM

Lab File ID: BN035136.D Time Analyzed: 05:44

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	8422	16.941	7282	21.154	7906	23.331
UPPER LIMIT	16844	17.441	14564	21.654	15812	23.831
LOWER LIMIT	4211	16.441	3641	20.654	3953	22.831
EPA SAMPLE NO.						
01 SBLK232	8144	16.74	6161	20.98	6395	23.08
02 E1PJ0	10598	16.74	8765	20.98	8324	23.08
03 SLCS232	7710	16.74	6344	20.98	6933	23.08

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.: BN112624 SAS No.: BN112624 SDG NO.: BN112624

EPA Sample No.: SSTD0.4351 Date Analyzed: Nov 26 2024 12:00AM

Lab File ID: BN035302.D Time Analyzed: 05:44

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	7252	16.738	6091	20.982	6663	23.077
UPPER LIMIT	14504	17.238	12182	21.482	13326	23.577
LOWER LIMIT	3626	16.238	3045.5	20.482	3331.5	22.577
EPA SAMPLE NO.						
01 SBLK232	8144	16.74	6161	20.98	6395	23.08
02 E1PJ0	10598	16.74	8765	20.98	8324	23.08
03 SLCS232	7710	16.74	6344	20.98	6933	23.08

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.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN112624

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB165232BS	1,4-Dioxane	2	1.7	ug/L	85				0	0		
	Naphthalene	0.4	0.35	ug/L	88				0	0		
	1-Methylnaphthalene	0.4	0.32	ug/L	80				0	0		
	2-Methylnaphthalene	0.4	0.32	ug/L	80				0	0		
	Acenaphthylene	0.4	0.37	ug/L	93				0	0		
	Acenaphthene	0.4	0.37	ug/L	93				0	0		
	Fluorene	0.4	0.34	ug/L	85				0	0		
	Pentachlorophenol	0.8	0.67	ug/L	84				0	0		
	Phenanthrene	0.4	0.36	ug/L	90				0	0		
	Anthracene	0.4	0.34	ug/L	85				0	0		
	Fluoranthene	0.4	0.38	ug/L	95				0	0		
	Pyrene	0.4	0.38	ug/L	95				0	0		
	Benzo(a)anthracene	0.4	0.36	ug/L	90				0	0		
	Chrysene	0.4	0.41	ug/L	103				0	0		
	Benzo(b)fluoranthene	0.4	0.37	ug/L	93				0	0		
	Benzo(k)fluoranthene	0.4	0.42	ug/L	105				0	0		
	Benzo(a)pyrene	0.4	0.37	ug/L	93				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0.39	ug/L	98				0	0		
	Dibenzo(a,h)anthracene	0.4	0.36	ug/L	90				0	0		
	Benzo(g,h,i)perylene	0.4	0.37	ug/L	93				0	0		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK232

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN112624

SAS No.: BN112624 SDG NO.: BN112624

Lab File ID: BN035303.D

Lab Sample ID: PB165232BL

Instrument ID: BNA_N

Date Extracted: 11/25/2024

Matrix: (soil/water) Water

Date Analyzed: 11/26/2024

Level: (low/med) LOW

Time Analyzed: 05:44

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E1PJ0	P4965-03	BN035304.D	11/26/2024
PB165232BS	PB165232BS	BN035305.D	11/26/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BN112624

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4965-03	E1PJ0	BN035304.D	1,4-Dioxane-d8	8	5.02	63		15	120
			Fluoranthene-d10	0.4	0.43	106		30	130
			2-Methylnaphthalene-d10	0.4	0.31	78		30	130
PB165232BL	PB165232BL	BN035303.D	1,4-Dioxane-d8	8	6.71	84		15	120
			Fluoranthene-d10	0.4	0.39	97		30	130
			2-Methylnaphthalene-d10	0.4	0.30	75		30	130
PB165232BS	PB165232BS	BN035305.D	1,4-Dioxane-d8	0.8	0.72	90		15	120
			Fluoranthene-d10	0.4	0.39	98		30	130
			2-Methylnaphthalene-d10	0.4	0.33	82		30	130

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN112624

Lab Code: CHEM

SAS No.: BN112624 SDG NO.: BN112624

Lab File ID: BN035301.D

DFTPP Injection Date: 11/26/2024

Instrument ID: BNA_N

DFTPP Injection Time: 04:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.2
68	Less than 2.0% of mass 69	0.2 (0.7) 1
69	Mass 69 relative abundance	31.4
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	41.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	10.1
442	Greater than 50% of mass 198	60.2
443	15.0 - 24.0% of mass 442	12.5 (20.7) 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
SSTD0.4351	SSTDCCC0.4	BN035302.D	11/26/2024	05:08
SBLK232	PB165232BL	BN035303.D	11/26/2024	05:44
E1PJ0	P4965-03	BN035304.D	11/26/2024	06:20
SLCS232	PB165232BS	BN035305.D	11/26/2024	06:56
SSTD0.4352	SSTDCCC0.4EC	BN035306.D	11/26/2024	08:08