

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BN040324 SAS No.: BN040324 SDG No.: BN040324
 Instrument ID: BNA_N Calibration Date/Time: 4/2/2024 12:00:54
 Lab File ID: BN030602.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTD0.4372 Init. Calib. Time(s): _____
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.444	0.444	0.010	-0.1375	40.0
1,4-Dioxane-d8	0.438	0.449	0.010	2.5201	40.0
Naphthalene	1.091	1.099	0.600	0.7751	30.0
1-Methylnaphthalene	0.762	0.761	0.300	-0.079	30.0
2-Methylnaphthalene	0.720	0.712	0.300	-1.1395	30.0
Acenaphthylene	1.806	1.893	0.900	4.7981	30.0
Acenaphthene	1.406	1.443	0.500	2.6038	30.0
Fluorene	1.657	1.628	0.700	-1.7245	30.0
Pentachlorophenol	0.073	0.073	0.010	-0.2151	50.0
Phenanthrene	1.200	1.221	0.300	1.7332	30.0
Anthracene	1.011	1.039	0.400	2.8053	30.0
Fluoranthene	1.650	1.585	0.400	-3.9326	30.0
Pyrene	1.624	1.605	0.500	-1.192	30.0
Benzo(a)anthracene	1.380	1.533	0.400	11.0452	30.0
Chrysene	1.524	1.531	0.400	0.4649	30.0
Benzo(b)fluoranthene	1.629	1.602	0.200	-1.6474	30.0
Benzo(k)fluoranthene	1.717	1.683	0.200	-1.9446	30.0
Benzo(a)pyrene	1.322	1.443	0.200	9.1272	30.0
Indeno(1,2,3-cd)pyrene	1.495	1.535	0.200	2.6864	30.0
Dibenzo(a,h)anthracene	1.188	1.218	0.200	2.5401	30.0
Benzo(g,h,i)perylene	1.270	1.199	0.200	-5.5827	30.0
Fluoranthene-d10	1.236	1.173	0.400	-5.1161	30.0
2-Methylnaphthalene-d10	0.602	0.597	0.300	-0.8471	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.: BN040324 SAS No.: BN040324 SDG No.: BN040324
 Instrument ID: BNA_N Calibration Date/Time: 4/2/2024 12:03:54
 Lab File ID: BN030606.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTD0.4373 Init. Calib. Time(s): _____
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.444	0.455	0.010	2.4096	50.0
1,4-Dioxane-d8	0.438	0.448	0.010	2.3161	50.0
Naphthalene	1.091	1.096	0.600	0.4808	50.0
1-Methylnaphthalene	0.762	0.753	0.300	-1.1625	50.0
2-Methylnaphthalene	0.720	0.706	0.300	-1.9013	50.0
Acenaphthylene	1.806	1.838	0.900	1.7537	50.0
Acenaphthene	1.406	1.437	0.500	2.24	50.0
Fluorene	1.657	1.621	0.700	-2.1508	50.0
Pentachlorophenol	0.073	0.064	0.010	-12.8215	50.0
Phenanthrene	1.200	1.224	0.300	1.9683	50.0
Anthracene	1.011	1.017	0.400	0.652	50.0
Fluoranthene	1.650	1.715	0.400	3.9837	50.0
Pyrene	1.624	1.698	0.500	4.5435	50.0
Benzo(a)anthracene	1.380	1.415	0.400	2.5434	50.0
Chrysene	1.524	1.547	0.400	1.4813	50.0
Benzo(b)fluoranthene	1.629	1.703	0.200	4.5167	50.0
Benzo(k)fluoranthene	1.717	1.808	0.200	5.3189	50.0
Benzo(a)pyrene	1.322	1.432	0.200	8.3041	50.0
Indeno(1,2,3-cd)pyrene	1.495	1.586	0.200	6.0804	50.0
Dibenzo(a,h)anthracene	1.188	1.255	0.200	5.6143	50.0
Benzo(g,h,i)perylene	1.270	1.247	0.200	-1.7768	50.0
Fluoranthene-d10	1.236	1.280	0.400	3.5651	50.0
2-Methylnaphthalene-d10	0.602	0.589	0.300	-2.1352	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	4/1/2024 12:00:00 AM
Project:		Date Received:	4/1/2024 12:00:00 AM
Client Sample ID:	SBLK927	SDG No.:	BN040324
Lab Sample ID:	PB159927BL	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
BN030603.D	1	4/1/2024 12:00:00 AM	4/2/2024 12:00:00 AM	PB159927

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	5.476		15-120		68	SPK: -8
93951-69-0	Fluoranthene-d10	0.309		30-130		77	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.279		30-130		70	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8187	7.7				
1146-65-2	Naphthalene-d8	25893	10.481				
15067-26-2	Acenaphthene-d10	14655	14.336				
1517-22-2	Phenanthrene-d10	32445	17.084				
1719-03-5	Chrysene-d12	24535	21.279				
1520-96-3	Perylene-d12	18520	23.515				



Report of Analysis

Client:		Date Collected:	4/1/2024 12:00:00 AM
Project:		Date Received:	4/1/2024 12:00:00 AM
Client Sample ID:	SBLK927	SDG No.:	BN040324
Lab Sample ID:	PB159927BL	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN030603.D	1	4/1/2024 12:00:00 AM	4/2/2024 12:00:00 AM	PB159927

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	3/28/2024 12:00:00 AM
Project:		Date Received:	3/28/2024 12:00:00 AM
Client Sample ID:	C0AM0	SDG No.:	BN040324
Lab Sample ID:	P1929-06	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
BN030604.D	1	4/1/2024 12:00:00 AM	4/2/2024 12:00:00 AM	PB159927

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	4.842		15-120		61	SPK: -8
93951-69-0	Fluoranthene-d10	0.416		30-130		104	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.331		30-130		83	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7294	7.7				
1146-65-2	Naphthalene-d8	23014	10.48				
15067-26-2	Acenaphthene-d10	13174	14.335				
1517-22-2	Phenanthrene-d10	30056	17.087				
1719-03-5	Chrysene-d12	24376	21.277				
1520-96-3	Perylene-d12	18525	23.513				



Report of Analysis

Client:		Date Collected:	3/28/2024 12:00:00 AM
Project:		Date Received:	3/28/2024 12:00:00 AM
Client Sample ID:	C0AM0	SDG No.:	BN040324
Lab Sample ID:	P1929-06	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN030604.D	1	4/1/2024 12:00:00 AM	4/2/2024 12:00:00 AM	PB159927

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	4/1/2024 12:00:00 AM
Project:		Date Received:	4/1/2024 12:00:00 AM
Client Sample ID:	SLCS927	SDG No.:	BN040324
Lab Sample ID:	PB159927BS	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
BN030605.D	1	4/1/2024 12:00:00 AM	4/2/2024 12:00:00 AM	PB159927

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	0.32		0.011	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.31		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	0.33		0.014	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.33		0.013	0.05	0.1	ug/L
86-73-7	Fluorene	0.31		0.022	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.63		0.041	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.33		0.014	0.05	0.1	ug/L
120-12-7	Anthracene	0.33		0.011	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.34		0.022	0.05	0.1	ug/L
129-00-0	Pyrene	0.35		0.016	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.35		0.015	0.05	0.1	ug/L
218-01-9	Chrysene	0.34		0.014	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.35		0.004	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.34		0.019	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.36		0.012	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.35		0.023	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.35		0.026	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.34		0.025	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.601		15-120		75	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.334		30-130		83	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.309		30-130		77	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7482	7.696				
1146-65-2	Naphthalene-d8	23319	10.481				
15067-26-2	Acenaphthene-d10	13195	14.336				
1517-22-2	Phenanthrene-d10	29237	17.084				
1719-03-5	Chrysene-d12	23093	21.279				
1520-96-3	Perylene-d12	17990	23.514				



Report of Analysis

Client:		Date Collected:	4/1/2024 12:00:00 AM
Project:		Date Received:	4/1/2024 12:00:00 AM
Client Sample ID:	SLCS927	SDG No.:	BN040324
Lab Sample ID:	PB159927BS	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN030605.D	1	4/1/2024 12:00:00 AM	4/2/2024 12:00:00 AM	PB159927

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L



Hit Summary Sheet
SW-846

SDG No.: BN040324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	C0AM0							
P1929-06	C0AM0	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.: BN032724 SAS No.: BN032724 SDG No.: BN032724
Instrument ID: _____ Calibration Date(s): 3/27/2024 : _____
Calibration Time(s): 11:28 _____

LAB FILE ID:		RRFAL1 = BN030499.D			RRFAL2 = BN030500.D		RRFAL3 = BN030501.D	
		RRFAL4 = BN030502.D			RRFAL5 = BN030503.D		RRFAL6 = BN030504.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane		0.456	0.478	0.437	0.430	0.419	0.444	5.3
1,4-Dioxane-d8		0.491	0.453	0.432	0.411	0.404	0.438	8.1
Naphthalene	1.105	1.084	1.123	1.086	1.054		1.091	2.4
1-Methylnaphthalene	0.756	0.754	0.782	0.768	0.749		0.762	1.7
2-Methylnaphthalene	0.710	0.707	0.743	0.727	0.714		0.720	2.1
Acenaphthylene	1.799	1.760	1.839	1.815	1.816		1.806	1.6
Acenaphthene	1.415	1.391	1.437	1.405	1.383		1.406	1.5
Fluorene	1.618	1.627	1.690	1.681	1.666		1.657	2.0
Pentachlorophenol		0.065	0.070	0.072	0.076	0.083	0.073	9.2
Phenanthrene	1.191	1.186	1.228	1.206	1.190		1.200	1.4
Anthracene	0.964	0.966	1.022	1.035	1.067		1.011	4.4
Fluoranthene	1.646	1.643	1.723	1.650	1.586		1.650	2.9
Pyrene	1.660	1.647	1.690	1.587	1.537		1.624	3.8
Benzo(a)anthracene	1.330	1.327	1.398	1.409	1.438		1.380	3.6
Chrysene	1.552	1.535	1.566	1.509	1.460		1.524	2.7
Benzo(b)fluoranthene	1.469	1.608	1.654	1.698	1.715		1.629	6.0
Benzo(k)fluoranthene	1.556	1.630	1.778	1.804	1.817		1.717	6.8
Benzo(a)pyrene	1.284	1.264	1.312	1.352	1.398		1.322	4.1
Indeno(1,2,3-cd)pyrene	1.442	1.409	1.467	1.545	1.612		1.495	5.5
Dibenzo(a,h)anthracene	1.120	1.099	1.167	1.248	1.306		1.188	7.4
Benzo(g,h,i)perylene	1.233	1.244	1.244	1.307	1.322		1.270	3.2
Fluoranthene-d10	1.268	1.251	1.284	1.214	1.165		1.236	3.8
2-Methylnaphthalene-d10	0.595	0.597	0.620	0.606	0.592		0.602	1.9

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.: BN040324 SAS No.: BN040324 SDG NO.: BN040324

EPA Sample No.: SSTD0.4211 Date Analyzed: Apr 2 2024 12:00AM

Lab File ID: BN030501.D Time Analyzed: 01:30

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	5235	7.724	15700	10.51	9268	14.36
UPPER LIMIT	10470	8.224	31400	11.006	18536	14.862
LOWER LIMIT	2617.5	7.224	7850	10.006	4634	13.862
EPA SAMPLE NO.						
01 SBLK927	8187	7.70	25893	10.48	14655	14.34
02 C0AM0	7294	7.70	23014	10.48	13174	14.34
03 SLCS927	7482	7.70	23319	10.48	13195	14.34

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.: BN040324 SAS No.: BN040324 SDG NO.: BN040324

EPA Sample No.: SSTD0.4372 Date Analyzed: Apr 2 2024 12:00AM

Lab File ID: BN030602.D Time Analyzed: 01:30

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	6730	7.7	20816	10.48	11561	14.34
UPPER LIMIT	13460	8.2	41632	10.981	23122	14.836
LOWER LIMIT	3365	7.2	10408	9.981	5780.5	13.836
EPA SAMPLE NO.						
01 SBLK927	8187	7.70	25893	10.48	14655	14.34
02 C0AM0	7294	7.70	23014	10.48	13174	14.34
03 SLCS927	7482	7.70	23319	10.48	13195	14.34

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.: BN040324 SAS No.: BN040324 SDG NO.: BN040324

EPA Sample No.: SSTD0.4211 Date Analyzed: Apr 2 2024 12:00AM

Lab File ID: BN030501.D Time Analyzed: 01:30

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	21581	17.107	16747	21.299	13351	23.546
UPPER LIMIT	43162	17.607	33494	21.799	26702	24.046
LOWER LIMIT	10790.5	16.607	8373.5	20.799	6675.5	23.046
EPA SAMPLE NO.						
01 SBLK927	32445	17.08	24535	21.28	18520	23.52
02 C0AM0	30056	17.09	24376	21.28	18525	23.51
03 SLCS927	29237	17.08	23093	21.28	17990	23.51

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.: BN040324 SAS No.: BN040324 SDG NO.: BN040324

EPA Sample No.: SSTD0.4372 Date Analyzed: Apr 2 2024 12:00AM

Lab File ID: BN030602.D Time Analyzed: 01:30

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	25490	17.088	22369	21.279	19232	23.514
UPPER LIMIT	50980	17.588	44738	21.779	38464	24.014
LOWER LIMIT	12745	16.588	11184.5	20.779	9616	23.014
EPA SAMPLE NO.						
01 SBLK927	32445	17.08	24535	21.28	18520	23.52
02 C0AM0	30056	17.09	24376	21.28	18525	23.51
03 SLCS927	29237	17.08	23093	21.28	17990	23.51

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.: BN040324

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159927BS	1,4-Dioxane	2	1.7	ug/L	85				0	0	
	Naphthalene	0.4	0.32	ug/L	80				0	0	
	1-Methylnaphthalene	0.4	0.31	ug/L	78				0	0	
	2-Methylnaphthalene	0.4	0.32	ug/L	80				0	0	
	Acenaphthylene	0.4	0.33	ug/L	83				0	0	
	Acenaphthene	0.4	0.33	ug/L	83				0	0	
	Fluorene	0.4	0.31	ug/L	78				0	0	
	Pentachlorophenol	0.8	0.63	ug/L	79				0	0	
	Phenanthrene	0.4	0.33	ug/L	83				0	0	
	Anthracene	0.4	0.33	ug/L	83				0	0	
	Fluoranthene	0.4	0.34	ug/L	85				0	0	
	Pyrene	0.4	0.35	ug/L	88				0	0	
	Benzo(a)anthracene	0.4	0.35	ug/L	88				0	0	
	Chrysene	0.4	0.34	ug/L	85				0	0	
	Benzo(b)fluoranthene	0.4	0.35	ug/L	88				0	0	
	Benzo(k)fluoranthene	0.4	0.34	ug/L	85				0	0	
	Benzo(a)pyrene	0.4	0.36	ug/L	90				0	0	
	Indeno(1,2,3-cd)pyrene	0.4	0.35	ug/L	88				0	0	
	Dibenzo(a,h)anthracene	0.4	0.35	ug/L	88				0	0	
	Benzo(g,h,i)perylene	0.4	0.34	ug/L	85				0	0	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK927

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN040324

SAS No.: BN040324 SDG NO.: BN040324

Lab File ID: BN030603.D

Lab Sample ID: PB159927BL

Instrument ID: BNA_N

Date Extracted: 04/01/2024

Matrix: (soil/water) Water

Date Analyzed: 04/02/2024

Level: (low/med) LOW

Time Analyzed: 01:30

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
C0AM0	P1929-06	BN030604.D	04/02/2024
PB159927BS	PB159927BS	BN030605.D	04/02/2024

COMMENTS: _____



Surrogate Summary
SW-846

SDG No.: BN040324

Client:

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1929-06	C0AM0	BN030604.D	1,4-Dioxane-d8	8	4.84	61		15	120
			Fluoranthene-d10	0.4	0.42	104		30	130
			2-Methylnaphthalene-d10	0.4	0.33	83		30	130
PB159927BL	PB159927BL	BN030603.D	1,4-Dioxane-d8	8	5.48	68		15	120
			Fluoranthene-d10	0.4	0.31	77		30	130
			2-Methylnaphthalene-d10	0.4	0.28	70		30	130
PB159927BS	PB159927BS	BN030605.D	1,4-Dioxane-d8	0.8	0.60	75		15	120
			Fluoranthene-d10	0.4	0.33	83		30	130
			2-Methylnaphthalene-d10	0.4	0.31	77		30	130

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN040324

Lab Code: CHEM

SAS No.: BN040324

SDG NO.: BN040324

Lab File ID: BN030601.D

DFTPP Injection Date: 04/02/2024

Instrument ID: BNA_N

DFTPP Injection Time: 00:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.4
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	36.2
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	46.7
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	11.4
442	Greater than 50% of mass 198	68.9
443	15.0 - 24.0% of mass 442	13 (18.9) 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
SSTD0.4372	SSTDCCC0.4	BN030602.D	04/02/2024	00:54
SBLK927	PB159927BL	BN030603.D	04/02/2024	01:30
C0AM0	P1929-06	BN030604.D	04/02/2024	02:06
SLCS927	PB159927BS	BN030605.D	04/02/2024	02:42
SSTD0.4373	SSTDCCC0.4EC	BN030606.D	04/02/2024	03:54