

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN011425 SAS No.: BN011425 SDG No.: BN011425

Instrument ID: BNA_N Calibration Date/Time: 1/14/2025 1:09:59

Lab File ID: BN035920.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4375 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.439	0.409	0.010	-6.8261	40.0
1,4-Dioxane-d8	0.403	0.386	0.010	-4.2356	40.0
Naphthalene	1.065	1.133	0.600	6.4312	30.0
1-Methylnaphthalene	0.682	0.690	0.300	1.257	30.0
2-Methylnaphthalene	0.676	0.700	0.300	3.5527	30.0
Acenaphthylene	1.872	1.972	0.900	5.3414	30.0
Acenaphthene	1.307	1.433	0.500	9.567	30.0
Fluorene	1.402	1.521	0.700	8.5301	30.0
Pentachlorophenol	0.096	0.132	0.010	37.6189	50.0
Phenanthrene	1.102	1.210	0.300	9.7699	30.0
Anthracene	1.065	1.140	0.400	7.0005	30.0
Fluoranthene	1.392	1.550	0.400	11.3237	30.0
Pyrene	1.451	1.607	0.500	10.6934	30.0
Benzo (a) anthracene	1.369	1.484	0.400	8.4163	30.0
Chrysene	1.358	1.509	0.400	11.1196	30.0
Benzo (b) fluoranthene	1.204	1.295	0.200	7.4966	30.0
Benzo (k) fluoranthene	1.236	1.405	0.200	13.7104	30.0
Benzo (a) pyrene	1.131	1.236	0.200	9.2333	30.0
Indeno (1,2,3-cd) pyrene	1.467	1.668	0.200	13.7123	30.0
Dibenzo (a,h) anthracene	1.154	1.321	0.200	14.4751	30.0
Benzo (g,h,i) perylene	1.162	1.327	0.200	14.1805	30.0
Fluoranthene-d10	1.059	1.108	0.400	4.6234	30.0
2-Methylnaphthalene-d10	0.520	0.497	0.300	-4.4846	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.: BN011425 SAS No.: BN011425 SDG No.: BN011425

Instrument ID: BNA_N Calibration Date/Time: 1/14/2025 1:14:05

Lab File ID: BN035924.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4376 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.439	0.420	0.010	-4.4062	50.0
1,4-Dioxane-d8	0.403	0.385	0.010	-4.6416	50.0
Naphthalene	1.065	1.104	0.600	3.6594	50.0
1-Methylnaphthalene	0.682	0.698	0.300	2.4344	50.0
2-Methylnaphthalene	0.676	0.700	0.300	3.5184	50.0
Acenaphthylene	1.872	1.938	0.900	3.4914	50.0
Acenaphthene	1.307	1.389	0.500	6.2051	50.0
Fluorene	1.402	1.531	0.700	9.2274	50.0
Pentachlorophenol	0.096	0.137	0.010	42.8128	50.0
Phenanthrene	1.102	1.199	0.300	8.7981	50.0
Anthracene	1.065	1.130	0.400	6.0754	50.0
Fluoranthene	1.392	1.555	0.400	11.6452	50.0
Pyrene	1.451	1.606	0.500	10.6536	50.0
Benzo (a) anthracene	1.369	1.467	0.400	7.1503	50.0
Chrysene	1.358	1.515	0.400	11.5103	50.0
Benzo (b) fluoranthene	1.204	1.275	0.200	5.8856	50.0
Benzo (k) fluoranthene	1.236	1.411	0.200	14.2087	50.0
Benzo (a) pyrene	1.131	1.229	0.200	8.6129	50.0
Indeno (1,2,3-cd) pyrene	1.467	1.638	0.200	11.7069	50.0
Dibenzo (a,h) anthracene	1.154	1.288	0.200	11.6192	50.0
Benzo (g,h,i) perylene	1.162	1.290	0.200	11.0248	50.0
Fluoranthene-d10	1.059	1.107	0.400	4.5366	50.0
2-Methylnaphthalene-d10	0.520	0.513	0.300	-1.3901	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	1/10/2025 12:00:00 AM
Project:		Date Received:	1/10/2025 12:00:00 AM
Client Sample ID:	SBLK011	SDG No.:	BN011425
Lab Sample ID:	PB166011BL	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
BN035921.D	1	1/10/2025 12:00:00 AM	1/14/2025 12:00:00 AM	PB166011

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	6.069		15-120		76	SPK: -8
93951-69-0	Fluoranthene-d10	0.337		30-130		84	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.332		30-130		83	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	995	7.829				
1146-65-2	Naphthalene-d8	2000	10.622				
15067-26-2	Acenaphthene-d10	1201	14.464				

Report of Analysis

Client:		Date Collected:	1/10/2025 12:00:00 AM
Project:		Date Received:	1/10/2025 12:00:00 AM
Client Sample ID:	SBLK011	SDG No.:	BN011425
Lab Sample ID:	PB166011BL	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
BN035921.D	1	1/10/2025 12:00:00 AM	1/14/2025 12:00:00 AM	PB166011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	2532	17.204				
1719-03-5	Chrysene-d12	2341	21.378				
1520-96-3	Perylene-d12	2719	23.678				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	1/9/2025 12:00:00 AM
Project:		Date Received:	1/9/2025 12:00:00 AM
Client Sample ID:	BHQB8	SDG No.:	BN011425
Lab Sample ID:	Q1054-01	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
BN035922.D	1	1/10/2025 12:00:00 AM	1/14/2025 12:00:00 AM	PB166011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.98		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	6.507		15-120		81	SPK: -8
93951-69-0	Fluoranthene-d10	0.471		30-130		118	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.409		30-130		102	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	857		7.828			
1146-65-2	Naphthalene-d8	1596		10.622			
15067-26-2	Acenaphthene-d10	867		14.465			

Report of Analysis

Client:		Date Collected:	1/9/2025 12:00:00 AM
Project:		Date Received:	1/9/2025 12:00:00 AM
Client Sample ID:	BHQH8	SDG No.:	BN011425
Lab Sample ID:	Q1054-01	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
BN035922.D	1	1/10/2025 12:00:00 AM	1/14/2025 12:00:00 AM	PB166011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1576	17.205				
1719-03-5	Chrysene-d12	1314	21.38				
1520-96-3	Perylene-d12	1513	23.677				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	1/10/2025 12:00:00 AM
Project:		Date Received:	1/10/2025 12:00:00 AM
Client Sample ID:	SLCS011	SDG No.:	BN011425
Lab Sample ID:	PB166011BS	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
BN035923.D	1	1/10/2025 12:00:00 AM	1/14/2025 12:00:00 AM	PB166011

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	0.34		0.024	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.34		0.011	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.35		0.014	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.36		0.013	0.05	0.1	ug/L
86-73-7	Fluorene	0.36		0.022	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	1.1		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	0.35		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	0.37		0.014	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.39		0.004	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.38		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	0.38		0.023	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.38		0.026	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.38		0.025	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.737		15-120		92	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.388		30-130		97	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.351		30-130		88	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	941	7.828				
1146-65-2	Naphthalene-d8	1764	10.621				
15067-26-2	Acenaphthene-d10	869	14.464				

Report of Analysis

Client:		Date Collected:	1/10/2025 12:00:00 AM
Project:		Date Received:	1/10/2025 12:00:00 AM
Client Sample ID:	SLCS011	SDG No.:	BN011425
Lab Sample ID:	PB166011BS	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
BN035923.D	1	1/10/2025 12:00:00 AM	1/14/2025 12:00:00 AM	PB166011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1681	17.204				
1719-03-5	Chrysene-d12	1393	21.38				
1520-96-3	Perylene-d12	1575	23.675				
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.: BN011425

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : BHQH8								
Q1054-01	BHQH8	Water	Total Alkanes	*	0.000	0.031	0.2	ug/L
			Total Tics :			0.00		
Q1054-01	BHQH8	Water	1,4-Dioxane		0.980	0.031	0.2	ug/L
			Total Svoc :			0.98		
			Total Concentration:			0.98		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BN123124 SAS No.: BN123124 SDG No.: BN123124
Instrument ID: _____ Calibration Date(s): 12/31/2024 _____
Calibration Time(s): 11:31 _____

LAB FILE ID:		RRFAL1 = BN035863.D			RRFAL2 = BN035864.D		RRFAL3 = BN035865.D	
		RRFAL4 = BN035866.D			RRFAL5 = BN035867.D		RRFAL6 = BN035868.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane		0.476	0.429	0.437	0.423	0.431	0.439	4.8
1,4-Dioxane-d8		0.446	0.396	0.395	0.389	0.390	0.403	6.0
Naphthalene	1.092	1.078	1.082	1.043	1.030		1.065	2.5
1-Methylnaphthalene	0.694	0.697	0.699	0.666	0.651		0.682	3.2
2-Methylnaphthalene	0.697	0.687	0.687	0.655	0.654		0.676	3.0
Acenaphthylene	1.879	1.866	1.884	1.861	1.872		1.872	0.5
Acenaphthene	1.297	1.318	1.321	1.304	1.296		1.307	0.9
Fluorene	1.417	1.388	1.420	1.390	1.393		1.402	1.1
Pentachlorophenol		0.084	0.084	0.093	0.105	0.114	0.096	13.8
Phenanthrene	1.106	1.099	1.118	1.099	1.089		1.102	1.0
Anthracene	1.079	1.050	1.082	1.053	1.061		1.065	1.4
Fluoranthene	1.358	1.381	1.413	1.384	1.426		1.392	2.0
Pyrene	1.428	1.446	1.467	1.446	1.471		1.451	1.2
Benzo (a) anthracene	1.399	1.387	1.374	1.339	1.344		1.369	1.9
Chrysene	1.384	1.366	1.358	1.344	1.341		1.358	1.3
Benzo (b) fluoranthene	1.222	1.221	1.177	1.205	1.196		1.204	1.5
Benzo (k) fluoranthene	1.252	1.230	1.225	1.246	1.226		1.236	1.0
Benzo (a) pyrene	1.155	1.139	1.104	1.133	1.125		1.131	1.7
Indeno (1,2,3-cd) pyrene	1.472	1.447	1.438	1.488	1.489		1.467	1.6
Dibenzo (a,h) anthracene	1.161	1.139	1.133	1.168	1.169		1.154	1.5
Benzo (g,h,i) perylene	1.170	1.152	1.131	1.180	1.179		1.162	1.8
Fluoranthene-d10	1.051	1.068	1.078	1.044	1.054		1.059	1.3
2-Methylnaphthalene-d10	0.543	0.531	0.532	0.504	0.490		0.520	4.2

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.: BN011425 SAS No.: BN011425 SDG NO.: BN011425

EPA Sample No.: SSTD0.4239 Date Analyzed: Jan 14 2025 12:00AM

Lab File ID: BN035865.D Time Analyzed: 10:35

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	1741	7.837	3882	10.63	2121	14.47
UPPER LIMIT	3482	8.337	7764	11.132	4242	14.973
LOWER LIMIT	870.5	7.337	1941	10.132	1060.5	13.973
EPA SAMPLE NO.						
01 SBLK011	995	7.83	2000	10.62	1201	14.46
02 BHQH8	857 *	7.83	1596 *	10.62	867 *	14.47
03 SLCS011	941	7.83	1764 *	10.62	869 *	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.: BN011425 SAS No.: BN011425 SDG NO.: BN011425

EPA Sample No.: SSTD0.4375 Date Analyzed: Jan 14 2025 12:00AM

Lab File ID: BN035920.D Time Analyzed: 10:35

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	7.828	2420	10.62	1193	14.46
UPPER LIMIT	2522	8.328	4840	11.122	2386	14.964
LOWER LIMIT	630.5	7.328	1210	10.122	596.5	13.964
EPA SAMPLE NO.						
01 SBLK011	995	7.83	2000	10.62	1201	14.46
02 BHQH8	857	7.83	1596	10.62	867	14.47
03 SLCS011	941	7.83	1764	10.62	869	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.: BN011425 SAS No.: BN011425 SDG NO.: BN011425

EPA Sample No.: SSTD0.4239 Date Analyzed: Jan 14 2025 12:00AM

Lab File ID: BN035865.D Time Analyzed: 10:35

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	4204	17.212	3827	21.389	4517	23.695
UPPER LIMIT	8408	17.712	7654	21.889	9034	24.195
LOWER LIMIT	2102	16.712	1913.5	20.889	2258.5	23.195
EPA SAMPLE NO.						
01 SBLK011	2532	17.20	2341	21.38	2719	23.68
02 BHQH8	1576 *	17.21	1314 *	21.38	1513 *	23.68
03 SLCS011	1681 *	17.20	1393 *	21.38	1575 *	23.68

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.: BN011425 SAS No.: BN011425 SDG NO.: BN011425

EPA Sample No.: SSTD0.4375 Date Analyzed: Jan 14 2025 12:00AM

Lab File ID: BN035920.D Time Analyzed: 10:35

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	2319	17.204	1965	21.38	2339	23.677
UPPER LIMIT	4638	17.704	3930	21.88	4678	24.177
LOWER LIMIT	1159.5	16.704	982.5	20.88	1169.5	23.177
EPA SAMPLE NO.						
01 SBLK011	2532	17.20	2341	21.38	2719	23.68
02 BHQH8	1576	17.21	1314	21.38	1513	23.68
03 SLCS011	1681	17.20	1393	21.38	1575	23.68

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.: BN011425

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB166011BS	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	0.34	ug/L	85				0	0		
	2-Methylnaphthalene	0.4	0.34	ug/L	85				0	0		
	Acenaphthylene	0.4	0.35	ug/L	88				0	0		
	Acenaphthene	0.4	0.36	ug/L	90				0	0		
	Fluorene	0.4	0.36	ug/L	90				0	0		
	Pentachlorophenol	0.8	1.1	ug/L	138				0	0		
	Phenanthrene	0.4	0.36	ug/L	90				0	0		
	Anthracene	0.4	0.35	ug/L	88				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	0.37	ug/L	93				0	0		
	Benzo(b)fluoranthene	0.4	0.39	ug/L	98				0	0		
	Benzo(k)fluoranthene	0.4	0.38	ug/L	95				0	0		
	Benzo(a)pyrene	0.4	0.37	ug/L	93				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0.38	ug/L	95				0	0		
	Dibenzo(a,h)anthracene	0.4	0.38	ug/L	95				0	0		
	Benzo(g,h,i)perylene	0.4	0.38	ug/L	95				0	0		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK011

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN011425

SAS No.: BN011425 SDG NO.: BN011425

Lab File ID: BN035921.D

Lab Sample ID: PB166011BL

Instrument ID: BNA_N

Date Extracted: 01/10/2025

Matrix: (soil/water) Water

Date Analyzed: 01/14/2025

Level: (low/med) LOW

Time Analyzed: 10:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BHQH8	Q1054-01	BN035922.D	01/14/2025
PB166011BS	PB166011BS	BN035923.D	01/14/2025

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BN011425

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB166011BL	PB166011BL	BN035921.D	1,4-Dioxane-d8	8	6.07	76		15	120
			Fluoranthene-d10	0.4	0.34	84		30	130
			2-Methylnaphthalene-d10	0.4	0.33	83		30	130
PB166011BS	PB166011BS	BN035923.D	1,4-Dioxane-d8	0.8	0.74	92		15	120
			Fluoranthene-d10	0.4	0.39	97		30	130
			2-Methylnaphthalene-d10	0.4	0.35	88		30	130
Q1054-01	BHQH8	BN035922.D	1,4-Dioxane-d8	8	6.51	81		15	120
			Fluoranthene-d10	0.4	0.47	118		30	130
			2-Methylnaphthalene-d10	0.4	0.41	102		30	130

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN011425

Lab Code: CHEM

SAS No.: BN011425

SDG NO.: BN011425

Lab File ID: BN035919.D

DFTPP Injection Date: 01/14/2025

Instrument ID: BNA_N

DFTPP Injection Time: 09:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	55
68	Less than 2.0% of mass 69	0.3 (0.6) 1
69	Mass 69 relative abundance	48.7
70	Less than 2.0% of mass 69	0.3 (0.5) 1
127	10.0 - 80.0% of mass 198	47.6
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	6.7
275	10.0 - 60.0% of mass 198	25
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	9.8
442	Greater than 50% of mass 198	62
443	15.0 - 24.0% of mass 442	11.7 (18.8) 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
SSTD0.4375	SSTDCCC0.4	BN035920.D	01/14/2025	09:59
SBLK011	PB166011BL	BN035921.D	01/14/2025	10:35
BHQH8	Q1054-01	BN035922.D	01/14/2025	11:10
SLCS011	PB166011BS	BN035923.D	01/14/2025	11:47
SSTD0.4376	SSTDCCC0.4EC	BN035924.D	01/14/2025	14:05