

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN012425 SAS No.: BN012425 SDG No.: BN012425

Instrument ID: BNA_N Calibration Date/Time: 1/24/2025 11:05

Lab File ID: BN036019.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4383 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.468	0.503	0.010	7.6277	40.0
1,4-Dioxane-d8	0.438	0.442	0.010	0.9259	40.0
Naphthalene	1.102	1.120	0.600	1.6242	30.0
1-Methylnaphthalene	0.695	0.714	0.300	2.8292	30.0
2-Methylnaphthalene	0.685	0.690	0.300	0.8234	30.0
Acenaphthylene	1.885	1.950	0.900	3.4337	30.0
Acenaphthene	1.388	1.371	0.500	-1.1685	30.0
Fluorene	1.533	1.569	0.700	2.3687	30.0
Pentachlorophenol	0.140	0.137	0.010	-1.9672	50.0
Phenanthrene	1.171	1.190	0.300	1.6084	30.0
Anthracene	1.089	1.064	0.400	-2.2297	30.0
Fluoranthene	1.520	1.523	0.400	0.1863	30.0
Pyrene	1.587	1.564	0.500	-1.4276	30.0
Benzo (a) anthracene	1.428	1.397	0.400	-2.1316	30.0
Chrysene	1.459	1.477	0.400	1.2768	30.0
Benzo (b) fluoranthene	1.335	1.349	0.200	1.0677	30.0
Benzo (k) fluoranthene	1.404	1.432	0.200	2.0609	30.0
Benzo (a) pyrene	1.206	1.109	0.200	-8.0542	30.0
Indeno (1,2,3-cd) pyrene	1.594	1.528	0.200	-4.1532	30.0
Dibenzo (a,h) anthracene	1.229	1.152	0.200	-6.229	30.0
Benzo (g,h,i) perylene	1.238	1.225	0.200	-1.0882	30.0
Fluoranthene-d10	1.099	1.133	0.400	3.0318	30.0
2-Methylnaphthalene-d10	0.505	0.540	0.300	6.9638	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.: BN012425 SAS No.: BN012425 SDG No.: BN012425

Instrument ID: BNA_N Calibration Date/Time: 1/24/2025 1:15:54

Lab File ID: BN036026.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4384 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.468	0.481	0.010	2.863	40.0
1,4-Dioxane-d8	0.438	0.430	0.010	-1.8852	40.0
Naphthalene	1.102	1.099	0.600	-0.2394	30.0
1-Methylnaphthalene	0.695	0.676	0.300	-2.6559	30.0
2-Methylnaphthalene	0.685	0.663	0.300	-3.1243	30.0
Acenaphthylene	1.885	1.770	0.900	-6.1164	30.0
Acenaphthene	1.388	1.274	0.500	-8.2252	30.0
Fluorene	1.533	1.390	0.700	-9.2783	30.0
Pentachlorophenol	0.140	0.150	0.010	7.0809	50.0
Phenanthrene	1.171	1.172	0.300	0.0742	30.0
Anthracene	1.089	1.068	0.400	-1.8742	30.0
Fluoranthene	1.520	1.488	0.400	-2.0915	30.0
Pyrene	1.587	1.548	0.500	-2.4544	30.0
Benzo (a) anthracene	1.428	1.393	0.400	-2.4666	30.0
Chrysene	1.459	1.448	0.400	-0.7543	30.0
Benzo (b) fluoranthene	1.335	1.335	0.200	0.0444	30.0
Benzo (k) fluoranthene	1.404	1.418	0.200	1.0603	30.0
Benzo (a) pyrene	1.206	1.127	0.200	-6.5387	30.0
Indeno (1,2,3-cd) pyrene	1.594	1.581	0.200	-0.8405	30.0
Dibenzo (a,h) anthracene	1.229	1.243	0.200	1.1825	30.0
Benzo (g,h,i) perylene	1.238	1.224	0.200	-1.2037	30.0
Fluoranthene-d10	1.099	1.128	0.400	2.6369	30.0
2-Methylnaphthalene-d10	0.505	0.535	0.300	5.8392	30.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	1/17/2025 12:00:00 AM
Project:		Date Received:	1/17/2025 12:00:00 AM
Client Sample ID:	SBLK119	SDG No.:	BN012425
Lab Sample ID:	PB166119BL	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
BN036020.D	1	1/17/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166119

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	5.195		15-120		65	SPK: -8
93951-69-0	Fluoranthene-d10	0.38		30-130		95	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.33		30-130		83	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1565	7.816				
1146-65-2	Naphthalene-d8	3147	10.605				
15067-26-2	Acenaphthene-d10	1841	14.45				

Report of Analysis

Client:		Date Collected:	1/17/2025 12:00:00 AM
Project:		Date Received:	1/17/2025 12:00:00 AM
Client Sample ID:	SBLK119	SDG No.:	BN012425
Lab Sample ID:	PB166119BL	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
BN036020.D	1	1/17/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	3986	17.192				
1719-03-5	Chrysene-d12	3095	21.372				
1520-96-3	Perylene-d12	3288	23.67				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	C0AE3	SDG No.:	BN012425
Lab Sample ID:	Q1086-18	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036021.D	1	1/17/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	E	0.03	0	0.2	ug/L
91-20-3	Naphthalene	0.01	U	0.01	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.02	U	0.02	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.01	U	0.01	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.01	U	0.01	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.01	U	0.01	0.05	0.1	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.04	U	0.04	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.01	U	0.01	0.05	0.1	ug/L
120-12-7	Anthracene	0.01	U	0.01	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.05	0.1	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.05	0.1	ug/L
218-01-9	Chrysene	0.01	U	0.01	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0	U	0	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.02	U	0.02	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.01	U	0.01	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.02	U	0.02	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.03	U	0.03	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.03	U	0.03	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.287		15-120		54	SPK: -8
93951-69-0	Fluoranthene-d10	0.251		30-130		63	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.273		30-130		68	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2099		7.812			
1146-65-2	Naphthalene-d8	4419		10.604			
15067-26-2	Acenaphthene-d10	2660		14.45			

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	C0AE3	SDG No.:	BN012425
Lab Sample ID:	Q1086-18	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	
Injection Volume :		Level :	LOW
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036021.D	1	1/17/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	5331	17.191				
1719-03-5	Chrysene-d12	5480	21.374				
1520-96-3	Perylene-d12	5177	23.675				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.03	U			99	ug/L

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	C0AE4	SDG No.:	BN012425
Lab Sample ID:	Q1086-19	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	990	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
BN036022.D	1	1/17/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	20	E	0.03	0	0.2	ug/L
91-20-3	Naphthalene	0.01	U	0.01	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.02	U	0.02	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.01	U	0.01	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.01	U	0.01	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.01	U	0.01	0.05	0.1	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.04	U	0.04	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.01	U	0.01	0.05	0.1	ug/L
120-12-7	Anthracene	0.01	U	0.01	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.05	0.1	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.05	0.1	ug/L
218-01-9	Chrysene	0.01	U	0.01	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0	U	0	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.02	U	0.02	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.01	U	0.01	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.02	U	0.02	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.03	U	0.03	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.03	U	0.03	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.546		15-120		57	SPK: -8
93951-69-0	Fluoranthene-d10	0.201		30-130		50	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.201		30-130		50	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2536		7.812			
1146-65-2	Naphthalene-d8	5118		10.605			
15067-26-2	Acenaphthene-d10	2983		14.45			

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	C0AE4	SDG No.:	BN012425
Lab Sample ID:	Q1086-19	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	
Injection Volume :		Level :	LOW
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036022.D	1	1/17/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	6499	17.191				
1719-03-5	Chrysene-d12	6835	21.372				
1520-96-3	Perylene-d12	6318	23.669				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.03	U			99	ug/L

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	C0AE5	SDG No.:	BN012425
Lab Sample ID:	Q1086-20	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
BN036023.D	1	1/17/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.5	E	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	4.202		15-120		53	SPK: -8
93951-69-0	Fluoranthene-d10	0.323		30-130		81	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.304		30-130		76	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2590	7.815				
1146-65-2	Naphthalene-d8	5589	10.603				
15067-26-2	Acenaphthene-d10	3370	14.449				

Report of Analysis

Client:		Date Collected:	1/16/2025 12:00:00 AM
Project:		Date Received:	1/16/2025 12:00:00 AM
Client Sample ID:	C0AE5	SDG No.:	BN012425
Lab Sample ID:	Q1086-20	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
BN036023.D	1	1/17/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	7103	17.191				
1719-03-5	Chrysene-d12	6914	21.371				
1520-96-3	Perylene-d12	6632	23.669				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	1/14/2025 12:00:00 AM
Project:		Date Received:	1/14/2025 12:00:00 AM
Client Sample ID:	C0B09	SDG No.:	BN012425
Lab Sample ID:	Q1088-10	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
BN036024.D	1	1/17/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166119

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	4.589		15-120		57	SPK: -8
93951-69-0	Fluoranthene-d10	0.417		30-130		104	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.379		30-130		95	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2495		7.812			
1146-65-2	Naphthalene-d8	5228		10.604			
15067-26-2	Acenaphthene-d10	3036		14.45			

Report of Analysis

Client:		Date Collected:	1/14/2025 12:00:00 AM
Project:		Date Received:	1/14/2025 12:00:00 AM
Client Sample ID:	C0B09	SDG No.:	BN012425
Lab Sample ID:	Q1088-10	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
BN036024.D	1	1/17/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	6960	17.191				
1719-03-5	Chrysene-d12	6349	21.372				
1520-96-3	Perylene-d12	5951	23.669				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	1/17/2025 12:00:00 AM
Project:		Date Received:	1/17/2025 12:00:00 AM
Client Sample ID:	SLCS119	SDG No.:	BN012425
Lab Sample ID:	PB166119BS	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
BN036025.D	1	1/17/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.79		0.031	0	0.2	ug/L
91-20-3	Naphthalene	0.17		0.011	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.17		0.024	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.16		0.011	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.16		0.014	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.17		0.013	0.05	0.1	ug/L
86-73-7	Fluorene	0.16		0.022	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.33		0.041	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.17		0.014	0.05	0.1	ug/L
120-12-7	Anthracene	0.16		0.011	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.17		0.022	0.05	0.1	ug/L
129-00-0	Pyrene	0.17		0.016	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.17		0.015	0.05	0.1	ug/L
218-01-9	Chrysene	0.17		0.014	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.18		0.004	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.17		0.019	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.18		0.012	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.17		0.023	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.16		0.026	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.17		0.025	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.618		15-120		77	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.38		30-130		95	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.36		30-130		90	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2309	7.812				
1146-65-2	Naphthalene-d8	4727	10.604				
15067-26-2	Acenaphthene-d10	2364	14.45				

Report of Analysis

Client:		Date Collected:	1/17/2025 12:00:00 AM
Project:		Date Received:	1/17/2025 12:00:00 AM
Client Sample ID:	SLCS119	SDG No.:	BN012425
Lab Sample ID:	PB166119BS	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
BN036025.D	1	1/17/2025 12:00:00 AM	1/24/2025 12:00:00 AM	PB166119

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	4901	17.191				
1719-03-5	Chrysene-d12	4336	21.372				
1520-96-3	Perylene-d12	4427	23.669				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SP6719			SDG No.:	BN012425		
Lab Sample ID:	SP6719			Matrix:	Water		
Analytical Method:	SFAM_SVOASIM			% 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
BN036027.D	1		1/24/2025 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	31	U	31	0	200	ug/L
91-20-3	Naphthalene	11	U	11	50	100	ug/L
90-12-0	1-Methylnaphthalene	24	U	24	50	100	ug/L
91-57-6	2-Methylnaphthalene	11	U	11	50	100	ug/L
208-96-8	Acenaphthylene	14	U	14	50	100	ug/L
83-32-9	Acenaphthene	13	U	13	50	100	ug/L
86-73-7	Fluorene	22	U	22	50	100	ug/L
87-86-5	Pentachlorophenol	41	U	41	100	200	ug/L
85-01-8	Phenanthrene	14	U	14	50	100	ug/L
120-12-7	Anthracene	11	U	11	50	100	ug/L
206-44-0	Fluoranthene	22	U	22	50	100	ug/L
129-00-0	Pyrene	16	U	16	50	100	ug/L
56-55-3	Benzo(a)anthracene	15	U	15	50	100	ug/L
218-01-9	Chrysene	14	U	14	50	100	ug/L
205-99-2	Benzo(b)fluoranthene	4	U	4	50	100	ug/L
207-08-9	Benzo(k)fluoranthene	19	U	19	50	100	ug/L
50-32-8	Benzo(a)pyrene	12	U	12	50	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	23	U	23	50	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	26	U	26	50	100	ug/L
191-24-2	Benzo(g,h,i)perylene	25	U	25	50	100	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	11591	*	15-120		144888	SPK: -8
93951-69-0	Fluoranthene-d10	665	*	30-130		166250	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	728	*	30-130		182000	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2463		7.816			
1146-65-2	Naphthalene-d8	5424		10.605			
15067-26-2	Acenaphthene-d10	3304		14.45			

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SP6719			SDG No.:	BN012425		
Lab Sample ID:	SP6719			Matrix:	Water		
Analytical Method:	SFAM_SVOASIM			% 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
BN036027.D	1		1/24/2025 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	7225	17.191				
1719-03-5	Chrysene-d12	6523	21.378				
1520-96-3	Perylene-d12	5194	23.675				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	31	U			99	ug/L

Hit Summary Sheet SW-846

SDG No.: BN012425

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : C0AE3								
Q1086-18	C0AE3	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L
			Total Tics :			0.00		
Q1086-18	C0AE3	Water	1,4-Dioxane		15.000	E 0.03	0.2	ug/L
			Total Svoc :			15.00		
			Total Concentration:			15.00		
Client ID : C0AE4								
Q1086-19	C0AE4	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L
			Total Tics :			0.00		
Q1086-19	C0AE4	Water	1,4-Dioxane		20.000	E 0.03	0.2	ug/L
			Total Svoc :			20.00		
			Total Concentration:			20.00		
Client ID : C0AE5								
Q1086-20	C0AE5	Water	Total Alkanes	*	0.000	0.031	0.2	ug/L
			Total Tics :			0.00		
Q1086-20	C0AE5	Water	1,4-Dioxane		6.500	E 0.031	0.2	ug/L
			Total Svoc :			6.50		
			Total Concentration:			6.50		
Client ID : C0B09								
Q1088-10	C0B09	Water	Total Alkanes	*	0.000	0.031	0.2	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID : SP6719								
SP6719	SP6719	Water	Total Alkanes	*	0.000	31	200	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.: BN012125 SAS No.: BN012125 SDG No.: BN012125
Instrument ID: _____ Calibration Date(s): 1/21/2025 : _____
Calibration Time(s): 12:36 : _____

LAB FILE ID:		RRFAL1 = BN036002.D			RRFAL2 = BN036003.D		RRFAL3 = BN036004.D	
		RRFAL4 = BN036005.D			RRFAL5 = BN036006.D		RRFAL6 = BN036007.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane		0.471	0.462	0.447	0.446	0.511	0.468	5.7
1,4-Dioxane-d8		0.484	0.420	0.412	0.410	0.463	0.438	7.7
Naphthalene	1.134	1.103	1.114	1.089	1.070		1.102	2.2
1-Methylnaphthalene	0.713	0.690	0.704	0.675	0.691		0.695	2.1
2-Methylnaphthalene	0.701	0.678	0.689	0.677	0.678		0.685	1.5
Acenaphthylene	1.927	1.871	1.883	1.916	1.831		1.885	2.0
Acenaphthene	1.419	1.413	1.361	1.391	1.354		1.388	2.1
Fluorene	1.548	1.500	1.552	1.556	1.507		1.533	1.7
Pentachlorophenol		0.113	0.151	0.131	0.149	0.157	0.140	12.7
Phenanthrene	1.194	1.173	1.185	1.160	1.144		1.171	1.7
Anthracene	1.087	1.079	1.104	1.083	1.091		1.089	0.9
Fluoranthene	1.559	1.545	1.477	1.524	1.496		1.520	2.2
Pyrene	1.658	1.622	1.529	1.585	1.541		1.587	3.4
Benzo(a)anthracene	1.442	1.439	1.427	1.426	1.406		1.428	1.0
Chrysene	1.491	1.473	1.472	1.452	1.405		1.459	2.3
Benzo(b)fluoranthene	1.352	1.322	1.354	1.333	1.314		1.335	1.3
Benzo(k)fluoranthene	1.430	1.418	1.398	1.415	1.357		1.404	2.0
Benzo(a)pyrene	1.221	1.238	1.124	1.229	1.215		1.206	3.8
Indeno(1,2,3-cd)pyrene	1.594	1.577	1.583	1.621	1.598		1.594	1.1
Dibenzo(a,h)anthracene	1.206	1.195	1.239	1.257	1.247		1.229	2.2
Benzo(g,h,i)perylene	1.241	1.219	1.237	1.257	1.239		1.238	1.1
Fluoranthene-d10	1.134	1.129	1.094	1.087	1.051		1.099	3.1
2-Methylnaphthalene-d10	0.515	0.498	0.533	0.491	0.488		0.505	3.7

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.: BN012425 SAS No.: BN012425 SDG NO.: BN012425

EPA Sample No.: SSTD0.4246 Date Analyzed: Jan 24 2025 12:00AM

Lab File ID: BN036004.D Time Analyzed: 11:41

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	2325	7.816	4615	10.61	2367	14.45
UPPER LIMIT	4650	8.316	9230	11.105	4734	14.95
LOWER LIMIT	1162.5	7.316	2307.5	10.105	1183.5	13.95
EPA SAMPLE NO.						
01 SBLK119	1565	7.82	3147	10.61	1841	14.45
02 C0AE3	2099	7.81	4419	10.60	2660	14.45
03 C0AE4	2536	7.81	5118	10.61	2983	14.45
04 C0AE5	2590	7.82	5589	10.60	3370	14.45
05 C0B09	2495	7.81	5228	10.60	3036	14.45
06 SLCS119	2309	7.81	4727	10.60	2364	14.45
07 SP6719	2463	7.82	5424	10.61	3304	14.45

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.: BN012425 SAS No.: BN012425 SDG NO.: BN012425

EPA Sample No.: SSTD0.4383 Date Analyzed: Jan 24 2025 12:00AM

Lab File ID: BN036019.D Time Analyzed: 11:41

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	1733	7.812	3421	10.61	1844	14.45
UPPER LIMIT	3466	8.312	6842	11.105	3688	14.95
LOWER LIMIT	866.5	7.312	1710.5	10.105	922	13.95
EPA SAMPLE NO.						
01 SBLK119	1565	7.82	3147	10.61	1841	14.45
02 C0AE3	2099	7.81	4419	10.60	2660	14.45
03 C0AE4	2536	7.81	5118	10.61	2983	14.45
04 C0AE5	2590	7.82	5589	10.60	3370	14.45
05 C0B09	2495	7.81	5228	10.60	3036	14.45
06 SLCS119	2309	7.81	4727	10.60	2364	14.45

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.: BN012425 SAS No.: BN012425 SDG NO.: BN012425

EPA Sample No.: SSTD0.4384 Date Analyzed: Jan 24 2025 12:00AM

Lab File ID: BN036026.D Time Analyzed: 18:14

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	2539	7.812	5085	10.61	2431	14.45
UPPER LIMIT	5078	8.312	10170	11.105	4862	14.95
LOWER LIMIT	1269.5	7.312	2542.5	10.105	1215.5	13.95
EPA SAMPLE NO.						
01 SP6719	2463	7.82	5424	10.61	3304	14.45

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.: BN012425 SAS No.: BN012425 SDG NO.: BN012425

EPA Sample No.: SSTD0.4246 Date Analyzed: Jan 24 2025 12:00AM

Lab File ID: BN036004.D Time Analyzed: 11:41

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	4926	17.191	4604	21.371	4940	23.666
UPPER LIMIT	9852	17.691	9208	21.871	9880	24.166
LOWER LIMIT	2463	16.691	2302	20.871	2470	23.166
EPA SAMPLE NO.						
01 SBLK119	3986	17.19	3095	21.37	3288	23.67
02 C0AE3	5331	17.19	5480	21.37	5177	23.68
03 C0AE4	6499	17.19	6835	21.37	6318	23.67
04 C0AE5	7103	17.19	6914	21.37	6632	23.67
05 C0B09	6960	17.19	6349	21.37	5951	23.67
06 SLCS119	4901	17.19	4336	21.37	4427	23.67
07 SP6719	7225	17.19	6523	21.38	5194	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.: BN012425 SAS No.: BN012425 SDG NO.: BN012425

EPA Sample No.: SSTD0.4383 Date Analyzed: Jan 24 2025 12:00AM

Lab File ID: BN036019.D Time Analyzed: 11:41

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	4040	17.191	3644	21.372	3822	23.669
UPPER LIMIT	8080	17.691	7288	21.872	7644	24.169
LOWER LIMIT	2020	16.691	1822	20.872	1911	23.169
EPA SAMPLE NO.						
01 SBLK119	3986	17.19	3095	21.37	3288	23.67
02 C0AE3	5331	17.19	5480	21.37	5177	23.68
03 C0AE4	6499	17.19	6835	21.37	6318	23.67
04 C0AE5	7103	17.19	6914	21.37	6632	23.67
05 C0B09	6960	17.19	6349	21.37	5951	23.67
06 SLCS119	4901	17.19	4336	21.37	4427	23.67

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.: BN012425 SAS No.: BN012425 SDG NO.: BN012425

EPA Sample No.: SSTD0.4384 Date Analyzed: Jan 24 2025 12:00AM

Lab File ID: BN036026.D Time Analyzed: 18:14

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

01

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	4485	17.191	4017	21.374	4249	23.671
UPPER LIMIT	8970	17.691	8034	21.874	8498	24.171
LOWER LIMIT	2242.5	16.691	2008.5	20.874	2124.5	23.171
EPA SAMPLE NO.						
SP6719	7225	17.19	6523	21.38	5194	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.: BN012425

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB166119BS	1,4-Dioxane	2	0.79	ug/L	40				0	0		
	Naphthalene	0.4	0.17	ug/L	43				0	0		
	1-Methylnaphthalene	0.4	0.17	ug/L	43				0	0		
	2-Methylnaphthalene	0.4	0.16	ug/L	40				0	0		
	Acenaphthylene	0.4	0.16	ug/L	40				0	0		
	Acenaphthene	0.4	0.17	ug/L	43				0	0		
	Fluorene	0.4	0.16	ug/L	40				0	0		
	Pentachlorophenol	0.8	0.33	ug/L	41				0	0		
	Phenanthrene	0.4	0.17	ug/L	43				0	0		
	Anthracene	0.4	0.16	ug/L	40				0	0		
	Fluoranthene	0.4	0.17	ug/L	43				0	0		
	Pyrene	0.4	0.17	ug/L	43				0	0		
	Benzo(a)anthracene	0.4	0.17	ug/L	43				0	0		
	Chrysene	0.4	0.17	ug/L	43				0	0		
	Benzo(b)fluoranthene	0.4	0.18	ug/L	45				0	0		
	Benzo(k)fluoranthene	0.4	0.17	ug/L	43				0	0		
	Benzo(a)pyrene	0.4	0.18	ug/L	45				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0.17	ug/L	43				0	0		
	Dibenzo(a,h)anthracene	0.4	0.16	ug/L	40				0	0		
	Benzo(g,h,i)perylene	0.4	0.17	ug/L	43				0	0		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SP6719

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN012425

SAS No.: BN012425 SDG NO.: BN012425

Lab File ID: BN036027.D

Lab Sample ID: SP6719

Instrument ID: BNA_N

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 01/24/2025

Level: (low/med) LOW

Time Analyzed: 18:14

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SP6719	SP6719	BN036027.D	01/24/2025

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK119

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN012425

SAS No.: BN012425 SDG NO.: BN012425

Lab File ID: BN036020.D

Lab Sample ID: PB166119BL

Instrument ID: BNA_N

Date Extracted: 01/17/2025

Matrix: (soil/water) Water

Date Analyzed: 01/24/2025

Level: (low/med) LOW

Time Analyzed: 11:41

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
C0AE3	Q1086-18	BN036021.D	01/24/2025
C0AE4	Q1086-19	BN036022.D	01/24/2025
C0AE5	Q1086-20	BN036023.D	01/24/2025
C0B09	Q1088-10	BN036024.D	01/24/2025
PB166119BS	PB166119BS	BN036025.D	01/24/2025

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BN012425

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SP6719	SP6719	BN036027.D	1,4-Dioxane-d8	8	11,591.00	144888	*	15	120
			Fluoranthene-d10	0.4	665.00	166250	*	30	130
			2-Methylnaphthalene-d10	0.4	728.00	182000	*	30	130

Surrogate Summary

SW-846

SDG No.: BN012425

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB166119BL	PB166119BL	BN036020.D	1,4-Dioxane-d8	8	5.20	65		15	120
			Fluoranthene-d10	0.4	0.38	95		30	130
			2-Methylnaphthalene-d10	0.4	0.33	83		30	130
PB166119BS	PB166119BS	BN036025.D	1,4-Dioxane-d8	0.8	0.62	77		15	120
			Fluoranthene-d10	0.4	0.38	95		30	130
			2-Methylnaphthalene-d10	0.4	0.36	90		30	130
Q1086-18	C0AE3	BN036021.D	1,4-Dioxane-d8	8	4.29	54		15	120
			Fluoranthene-d10	0.4	0.25	63		30	130
			2-Methylnaphthalene-d10	0.4	0.27	68		30	130
Q1086-19	C0AE4	BN036022.D	1,4-Dioxane-d8	8	4.55	57		15	120
			Fluoranthene-d10	0.4	0.20	50		30	130
			2-Methylnaphthalene-d10	0.4	0.20	50		30	130
Q1086-20	C0AE5	BN036023.D	1,4-Dioxane-d8	8	4.20	53		15	120
			Fluoranthene-d10	0.4	0.32	81		30	130
			2-Methylnaphthalene-d10	0.4	0.30	76		30	130
Q1088-10	C0B09	BN036024.D	1,4-Dioxane-d8	8	4.59	57		15	120
			Fluoranthene-d10	0.4	0.42	104		30	130
			2-Methylnaphthalene-d10	0.4	0.38	95		30	130

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN012425

Lab Code: CHEM

SAS No.: BN012425

SDG NO.: BN012425

Lab File ID: BN036018.D

DFTPP Injection Date: 01/24/2025

Instrument ID: BNA_N

DFTPP Injection Time: 10:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	52.7
68	Less than 2.0% of mass 69	0.5 (1) 1
69	Mass 69 relative abundance	47.8
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	49.1
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	7.2
275	10.0 - 60.0% of mass 198	27.5
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	10.3
442	Greater than 50% of mass 198	62.4
443	15.0 - 24.0% of mass 442	11.8 (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
SSTD0.4383	SSTDCCC0.4	BN036019.D	01/24/2025	11:05
SBLK119	PB166119BL	BN036020.D	01/24/2025	11:41
C0AE3	Q1086-18	BN036021.D	01/24/2025	12:32
C0AE4	Q1086-19	BN036022.D	01/24/2025	13:08
C0AE5	Q1086-20	BN036023.D	01/24/2025	13:44
C0B09	Q1088-10	BN036024.D	01/24/2025	14:20
SLCS119	PB166119BS	BN036025.D	01/24/2025	14:56
SSTD0.4384	SSTDCCC0.4	BN036026.D	01/24/2025	15:54
SP6719	SP6719	BN036027.D	01/24/2025	18:14