

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN111824 SAS No.: BN111824 SDG No.: BN111824

Instrument ID: BNA_N Calibration Date/Time: 11/18/2024 : 10:57

Lab File ID: BN035142.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4340 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	0.409	0.010	3.0129	40.0
1,4-Dioxane-d8	0.366	0.374	0.010	2.3051	40.0
Naphthalene	1.008	1.046	0.600	3.8021	30.0
1-Methylnaphthalene	0.705	0.723	0.300	2.5383	30.0
2-Methylnaphthalene	0.699	0.717	0.300	2.5654	30.0
Acenaphthylene	1.587	1.618	0.900	1.9574	30.0
Acenaphthene	1.214	1.237	0.500	1.8943	30.0
Fluorene	1.425	1.432	0.700	0.5003	30.0
Pentachlorophenol	0.093	0.083	0.010	-10.8608	50.0
Phenanthrene	1.057	1.074	0.300	1.5747	30.0
Anthracene	0.981	0.976	0.400	-0.5284	30.0
Fluoranthene	1.393	1.389	0.400	-0.2411	30.0
Pyrene	1.449	1.443	0.500	-0.4624	30.0
Benzo (a) anthracene	1.388	1.386	0.400	-0.1401	30.0
Chrysene	1.397	1.430	0.400	2.3979	30.0
Benzo (b) fluoranthene	1.322	1.345	0.200	1.746	30.0
Benzo (k) fluoranthene	1.363	1.404	0.200	3.0	30.0
Benzo (a) pyrene	1.208	1.224	0.200	1.2727	30.0
Indeno (1,2,3-cd) pyrene	1.632	1.658	0.200	1.6088	30.0
Dibenzo (a,h) anthracene	1.279	1.280	0.200	0.0527	30.0
Benzo (g,h,i) perylene	1.287	1.313	0.200	2.0178	30.0
Fluoranthene-d10	1.104	1.095	0.400	-0.8047	30.0
2-Methylnaphthalene-d10	0.586	0.599	0.300	2.191	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.: BN111824 SAS No.: BN111824 SDG No.: BN111824

Instrument ID: BNA_N Calibration Date/Time: 11/18/2024 : 19:21

Lab File ID: BN035155.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4341 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	0.398	0.010	0.3121	50.0
1,4-Dioxane-d8	0.366	0.384	0.010	4.9821	50.0
Naphthalene	1.008	1.043	0.600	3.548	50.0
1-Methylnaphthalene	0.705	0.735	0.300	4.2131	50.0
2-Methylnaphthalene	0.699	0.730	0.300	4.45	50.0
Acenaphthylene	1.587	1.612	0.900	1.5628	50.0
Acenaphthene	1.214	1.249	0.500	2.8988	50.0
Fluorene	1.425	1.456	0.700	2.1433	50.0
Pentachlorophenol	0.093	0.077	0.010	-17.6442	50.0
Phenanthrene	1.057	1.075	0.300	1.644	50.0
Anthracene	0.981	0.974	0.400	-0.7522	50.0
Fluoranthene	1.393	1.496	0.400	7.4412	50.0
Pyrene	1.449	1.537	0.500	6.057	50.0
Benzo (a) anthracene	1.388	1.393	0.400	0.3912	50.0
Chrysene	1.397	1.438	0.400	2.9335	50.0
Benzo (b) fluoranthene	1.322	1.355	0.200	2.4802	50.0
Benzo (k) fluoranthene	1.363	1.419	0.200	4.0922	50.0
Benzo (a) pyrene	1.208	1.238	0.200	2.4477	50.0
Indeno (1,2,3-cd) pyrene	1.632	1.690	0.200	3.5719	50.0
Dibenzo (a,h) anthracene	1.279	1.325	0.200	3.5956	50.0
Benzo (g,h,i) perylene	1.287	1.336	0.200	3.7917	50.0
Fluoranthene-d10	1.104	1.187	0.400	7.5513	50.0
2-Methylnaphthalene-d10	0.586	0.613	0.300	4.5566	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	SBLK021	SDG No.:	BN111824
Lab Sample ID:	PB165021BL	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
BN035143.D	1	11/15/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB165021

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	6.157		15-120		77	SPK: -8
93951-69-0	Fluoranthene-d10	0.344		30-130		86	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.358		30-130		90	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2844	7.545				
1146-65-2	Naphthalene-d8	6898	10.311				
15067-26-2	Acenaphthene-d10	4908	14.189				

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	SBLK021	SDG No.:	BN111824
Lab Sample ID:	PB165021BL	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
BN035143.D	1	11/15/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB165021

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11271	16.941				
1719-03-5	Chrysene-d12	10305	21.151				
1520-96-3	Perylene-d12	10963	23.326				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	11/5/2024 12:00:00 AM
Project:		Date Received:	11/5/2024 12:00:00 AM
Client Sample ID:	C0AM0	SDG No.:	BN111824
Lab Sample ID:	P4715-09	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	Level :
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035144.D	1	11/9/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB164837

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.03	U	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	7.4	E	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	5.619		15-120		70	SPK: -8
93951-69-0	Fluoranthene-d10	0.423		30-130		106	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.345		30-130		86	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3448		7.545			
1146-65-2	Naphthalene-d8	8488		10.306			
15067-26-2	Acenaphthene-d10	5797		14.189			

Report of Analysis

Client:		Date Collected:	11/5/2024 12:00:00 AM
Project:		Date Received:	11/5/2024 12:00:00 AM
Client Sample ID:	C0AM0	SDG No.:	BN111824
Lab Sample ID:	P4715-09	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
BN035144.D	1	11/9/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB164837

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12966	16.941				
1719-03-5	Chrysene-d12	11210	21.154				
1520-96-3	Perylene-d12	11428	23.329				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.03	U			99	ug/L

Report of Analysis

Client:		Date Collected:	11/5/2024 12:00:00 AM
Project:		Date Received:	11/5/2024 12:00:00 AM
Client Sample ID:	C0AM2	SDG No.:	BN111824
Lab Sample ID:	P4715-10	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000	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
BN035145.D	1	11/9/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB164839

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	5.003		15-120		63	SPK: -8
93951-69-0	Fluoranthene-d10	0.43		30-130		108	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	3755		7.545			
1146-65-2	Naphthalene-d8	9565		10.311			
15067-26-2	Acenaphthene-d10	6689		14.189			

Report of Analysis

Client:		Date Collected:	11/5/2024 12:00:00 AM
Project:		Date Received:	11/5/2024 12:00:00 AM
Client Sample ID:	C0AM2	SDG No.:	BN111824
Lab Sample ID:	P4715-10	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
BN035145.D	1	11/9/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB164839

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	14037	16.941				
1719-03-5	Chrysene-d12	11321	21.151				
1520-96-3	Perylene-d12	11064	23.326				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	11/4/2024 12:00:00 AM
Project:		Date Received:	11/4/2024 12:00:00 AM
Client Sample ID:	C0AK0	SDG No.:	BN111824
Lab Sample ID:	P4715-05	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
BN035146.D	1	11/9/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB164837

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	5.217		15-120		65	SPK: -8
93951-69-0	Fluoranthene-d10	0.425		30-130		106	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.334		30-130		83	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4973		7.545			
1146-65-2	Naphthalene-d8	12526		10.306			
15067-26-2	Acenaphthene-d10	8719		14.189			

Report of Analysis

Client:		Date Collected:	11/4/2024 12:00:00 AM
Project:		Date Received:	11/4/2024 12:00:00 AM
Client Sample ID:	C0AK0	SDG No.:	BN111824
Lab Sample ID:	P4715-05	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
BN035146.D	1	11/9/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB164837

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	18699	16.941				
1719-03-5	Chrysene-d12	15326	21.151				
1520-96-3	Perylene-d12	15843	23.326				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	A0AM6	SDG No.:	BN111824
Lab Sample ID:	P4761-07	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000	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
BN035147.D	1	11/10/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB164843

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	5.612		15-120		70	SPK: -8
93951-69-0	Fluoranthene-d10	0.442		30-130		111	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.424		30-130		106	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3181		7.541			
1146-65-2	Naphthalene-d8	7937		10.306			
15067-26-2	Acenaphthene-d10	5711		14.189			

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	A0AM6	SDG No.:	BN111824
Lab Sample ID:	P4761-07	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
BN035147.D	1	11/10/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB164843

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12558	16.941				
1719-03-5	Chrysene-d12	11725	21.154				
1520-96-3	Perylene-d12	11789	23.331				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	11/5/2024 12:00:00 AM
Project:		Date Received:	11/5/2024 12:00:00 AM
Client Sample ID:	A0AL0	SDG No.:	BN111824
Lab Sample ID:	P4761-01	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
BN035148.D	1	11/10/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB164841

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	5.52		15-120		69	SPK: -8
93951-69-0	Fluoranthene-d10	0.423		30-130		106	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	3253		7.541			
1146-65-2	Naphthalene-d8	8190		10.306			
15067-26-2	Acenaphthene-d10	5761		14.185			

Report of Analysis

Client:		Date Collected:	11/5/2024 12:00:00 AM
Project:		Date Received:	11/5/2024 12:00:00 AM
Client Sample ID:	A0AL0	SDG No.:	BN111824
Lab Sample ID:	P4761-01	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
BN035148.D	1	11/10/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB164841

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12337	16.941				
1719-03-5	Chrysene-d12	10309	21.151				
1520-96-3	Perylene-d12	10254	23.325				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	11/9/2024 12:00:00 AM
Project:		Date Received:	11/9/2024 12:00:00 AM
Client Sample ID:	SLCS837	SDG No.:	BN111824
Lab Sample ID:	PB164837BS	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
BN035149.D	1	11/9/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB164837

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.1		0.031	0	0.2	ug/L
91-20-3	Naphthalene	0.44		0.011	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.51		0.024	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.45		0.011	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.44		0.014	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.44		0.013	0.05	0.1	ug/L
86-73-7	Fluorene	0.44		0.022	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.84		0.041	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.45		0.014	0.05	0.1	ug/L
120-12-7	Anthracene	0.44		0.011	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.46		0.022	0.05	0.1	ug/L
129-00-0	Pyrene	0.46		0.016	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.45		0.015	0.05	0.1	ug/L
218-01-9	Chrysene	0.46		0.014	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.46		0.004	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.47		0.019	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.46		0.012	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.46		0.023	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.46		0.026	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.46		0.025	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.84		15-120		105	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.511		30-130		128	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.501		30-130		125	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3566	7.545				
1146-65-2	Naphthalene-d8	8795	10.306				
15067-26-2	Acenaphthene-d10	5827	14.189				

Report of Analysis

Client:		Date Collected:	11/9/2024 12:00:00 AM
Project:		Date Received:	11/9/2024 12:00:00 AM
Client Sample ID:	SLCS837	SDG No.:	BN111824
Lab Sample ID:	PB164837BS	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
BN035149.D	1	11/9/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB164837

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12283	16.941				
1719-03-5	Chrysene-d12	10489	21.151				
1520-96-3	Perylene-d12	11098	23.325				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	11/9/2024 12:00:00 AM
Project:		Date Received:	11/9/2024 12:00:00 AM
Client Sample ID:	SLCS839	SDG No.:	BN111824
Lab Sample ID:	PB164839BS	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
BN035150.D	1	11/9/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB164839

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.9		0.031	0	0.2	ug/L
91-20-3	Naphthalene	0.4		0.011	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.46		0.024	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.4		0.011	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.4		0.014	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.4		0.013	0.05	0.1	ug/L
86-73-7	Fluorene	0.4		0.022	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.76		0.041	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.4		0.014	0.05	0.1	ug/L
120-12-7	Anthracene	0.39		0.011	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.42		0.022	0.05	0.1	ug/L
129-00-0	Pyrene	0.42		0.016	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.41		0.015	0.05	0.1	ug/L
218-01-9	Chrysene	0.42		0.014	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.42		0.004	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.43		0.019	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.42		0.012	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.43		0.023	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.43		0.026	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.42		0.025	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.763		15-120		95	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.46		30-130		115	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.446		30-130		112	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3290	7.545				
1146-65-2	Naphthalene-d8	7941	10.306				
15067-26-2	Acenaphthene-d10	5226	14.189				

Report of Analysis

Client:		Date Collected:	11/9/2024 12:00:00 AM
Project:		Date Received:	11/9/2024 12:00:00 AM
Client Sample ID:	SLCS839	SDG No.:	BN111824
Lab Sample ID:	PB164839BS	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
BN035150.D	1	11/9/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB164839

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11172	16.941				
1719-03-5	Chrysene-d12	9506	21.151				
1520-96-3	Perylene-d12	9931	23.323				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	11/5/2024 12:00:00 AM
Project:		Date Received:	11/5/2024 12:00:00 AM
Client Sample ID:	C0AM0DL	SDG No.:	BN111824
Lab Sample ID:	P4715-09DL	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
BN035151.D	5	11/9/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB164837

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.16	U	0.16	0	1	ug/L
91-20-3	Naphthalene	0.06	U	0.06	0.25	0.51	ug/L
90-12-0	1-Methylnaphthalene	0.12	U	0.12	0.25	0.51	ug/L
91-57-6	2-Methylnaphthalene	0.06	U	0.06	0.25	0.51	ug/L
208-96-8	Acenaphthylene	0.07	U	0.07	0.25	0.51	ug/L
83-32-9	Acenaphthene	0.07	U	0.07	0.25	0.51	ug/L
86-73-7	Fluorene	0.11	U	0.11	0.25	0.51	ug/L
87-86-5	Pentachlorophenol	7.8	D	0.21	0.51	1	ug/L
85-01-8	Phenanthrene	0.07	U	0.07	0.25	0.51	ug/L
120-12-7	Anthracene	0.06	U	0.06	0.25	0.51	ug/L
206-44-0	Fluoranthene	0.11	U	0.11	0.25	0.51	ug/L
129-00-0	Pyrene	0.08	U	0.08	0.25	0.51	ug/L
56-55-3	Benzo(a)anthracene	0.08	U	0.08	0.25	0.51	ug/L
218-01-9	Chrysene	0.07	U	0.07	0.25	0.51	ug/L
205-99-2	Benzo(b)fluoranthene	0.02	U	0.02	0.25	0.51	ug/L
207-08-9	Benzo(k)fluoranthene	0.1	U	0.1	0.25	0.51	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.25	0.51	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.12	U	0.12	0.25	0.51	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.13	U	0.13	0.25	0.51	ug/L
191-24-2	Benzo(g,h,i)perylene	0.13	U	0.13	0.25	0.51	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	7.035		15-120		88	SPK: -8
93951-69-0	Fluoranthene-d10	0.51		30-130		127	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.44		30-130		110	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2529		7.545			
1146-65-2	Naphthalene-d8	6038		10.306			
15067-26-2	Acenaphthene-d10	4202		14.189			

Report of Analysis

Client:		Date Collected:	11/5/2024 12:00:00 AM
Project:		Date Received:	11/5/2024 12:00:00 AM
Client Sample ID:	C0AM0DL	SDG No.:	BN111824
Lab Sample ID:	P4715-09DL	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	990 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
BN035151.D	5	11/9/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB164837

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9565	16.941				
1719-03-5	Chrysene-d12	9114	21.151				
1520-96-3	Perylene-d12	9751	23.326				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.16	U			99	ug/L

Report of Analysis

Client:		Date Collected:	11/4/2024 12:00:00 AM
Project:		Date Received:	11/4/2024 12:00:00 AM
Client Sample ID:	C0AK0	SDG No.:	BN111824
Lab Sample ID:	P4715-05	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
BN035152.D	1	11/9/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB164837

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	6.236		15-120		78	SPK: -8
93951-69-0	Fluoranthene-d10	0.472		30-130		118	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.367		30-130		92	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2493	7.545				
1146-65-2	Naphthalene-d8	5941	10.306				
15067-26-2	Acenaphthene-d10	4072	14.185				

Report of Analysis

Client:		Date Collected:	11/4/2024 12:00:00 AM
Project:		Date Received:	11/4/2024 12:00:00 AM
Client Sample ID:	C0AK0	SDG No.:	BN111824
Lab Sample ID:	P4715-05	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
BN035152.D	1	11/9/2024 12:00:00 AM	11/18/2024 12:00:00 AM	PB164837

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	8672	16.941				
1719-03-5	Chrysene-d12	7325	21.151				
1520-96-3	Perylene-d12	7276	23.325				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SP6687			SDG No.:	BN111824		
Lab Sample ID:	SP6687			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
BN035153.D	1		11/18/2024 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	15517	*	15-120		193963	SPK: -8
93951-69-0	Fluoranthene-d10	856	*	30-130		214000	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	805	*	30-130		201250	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2498		7.554			
1146-65-2	Naphthalene-d8	6047		10.311			
15067-26-2	Acenaphthene-d10	4436		14.185			

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SP6687			SDG No.:	BN111824		
Lab Sample ID:	SP6687			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
BN035153.D	1		11/18/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	10037	16.941				
1719-03-5	Chrysene-d12	7963	21.154				
1520-96-3	Perylene-d12	7217	23.328				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	31	U			99	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SP6688			SDG No.:	BN111824		
Lab Sample ID:	SP6688			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
BN035154.D	1		11/18/2024 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	2040	*	15-120		25500	SPK: -8
93951-69-0	Fluoranthene-d10	1061	*	30-130		265250	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	954	*	30-130		238500	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2506		7.558			
1146-65-2	Naphthalene-d8	5754		10.311			
15067-26-2	Acenaphthene-d10	3708		14.189			

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SP6688			SDG No.:	BN111824		
Lab Sample ID:	SP6688			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
BN035154.D	1		11/18/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	7709	16.941				
1719-03-5	Chrysene-d12	5689	21.151				
1520-96-3	Perylene-d12	5686	23.325				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	31	U			99	ug/L

Hit Summary Sheet SW-846

SDG No.: BN111824

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	C0AK0							
P4715-05	C0AK0	Water	Total Alkanes	*	0.000	0.031	0.2	ug/L
P4715-05	C0AK0	Water	Total Alkanes	*	0.000	0.031	0.2	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID :	C0AM0							
P4715-09	C0AM0	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L
			Total Tics :			0.00		
P4715-09	C0AM0	Water	Pentachlorophenol		7.400	E 0.04	0.2	ug/L
			Total Svoc :			7.40		
			Total Concentration:			7.40		
Client ID :	C0AM0DL							
P4715-09DL	C0AM0DL	Water	Total Alkanes	*	0.000	D 0.16	1	ug/L
			Total Tics :			0.00		
P4715-09DL	C0AM0DL	Water	Pentachlorophenol		7.800	D 0.21	1	ug/L
			Total Svoc :			7.80		
			Total Concentration:			7.80		
Client ID :	C0AM2							
P4715-10	C0AM2	Water	Total Alkanes	*	0.000	0.031	0.2	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID :	A0AL0							
P4761-01	A0AL0	Water	Total Alkanes	*	0.000	0.031	0.2	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID :	A0AM6							
P4761-07	A0AM6	Water	Total Alkanes	*	0.000	0.031	0.2	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID :	SP6687							
SP6687	SP6687	Water	Total Alkanes	*	0.000	31	200	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID :	SP6688							
SP6688	SP6688	Water	Total Alkanes	*	0.000	31	200	ug/L
			Total Tics :			0.00		



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

Hit Summary Sheet
SW-846

SDG No.: BN111824

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
		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.: BN111824 SAS No.: BN111824 SDG NO.: BN111824

EPA Sample No.: SSTD0.4225 Date Analyzed: Nov 18 2024 12:00AM

Lab File ID: BN035136.D Time Analyzed: 11:33

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 SBLK021	2844	7.55	6898	10.31	4908	14.19
02 C0AM0	3448	7.55	8488	10.31	5797	14.19
03 C0AM2	3755	7.55	9565	10.31	6689	14.19
04 C0AK0	4973	7.55	12526 *	10.31	8719 *	14.19
05 A0AM6	3181	7.54	7937	10.31	5711	14.19
06 A0AL0	3253	7.54	8190	10.31	5761	14.19
07 SLCS837	3566	7.55	8795	10.31	5827	14.19
08 SLCS839	3290	7.55	7941	10.31	5226	14.19
09 C0AMODL	2529	7.55	6038	10.31	4202	14.19
10 C0AK0	2493	7.55	5941	10.31	4072	14.19
11 SP6687	2498	7.55	6047	10.31	4436	14.19
12 SP6688	2506	7.56	5754	10.31	3708	14.19

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.: BN111824 SAS No.: BN111824 SDG NO.: BN111824

EPA Sample No.: SSTD0.4340 Date Analyzed: Nov 18 2024 12:00AM

Lab File ID: BN035142.D Time Analyzed: 11:33

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	2671	7.545	6130	10.31	4050	14.19
UPPER LIMIT	5342	8.045	12260	10.811	8100	14.689
LOWER LIMIT	1335.5	7.045	3065	9.811	2025	13.689
EPA SAMPLE NO.						
01 SBLK021	2844	7.55	6898	10.31	4908	14.19
02 C0AM0	3448	7.55	8488	10.31	5797	14.19
03 C0AM2	3755	7.55	9565	10.31	6689	14.19
04 C0AK0	4973	7.55	12526 *	10.31	8719 *	14.19
05 A0AM6	3181	7.54	7937	10.31	5711	14.19
06 A0AL0	3253	7.54	8190	10.31	5761	14.19
07 SLCS837	3566	7.55	8795	10.31	5827	14.19
08 SLCS839	3290	7.55	7941	10.31	5226	14.19
09 C0AMODL	2529	7.55	6038	10.31	4202	14.19
10 C0AK0	2493	7.55	5941	10.31	4072	14.19
11 SP6687	2498	7.55	6047	10.31	4436	14.19
12 SP6688	2506	7.56	5754	10.31	3708	14.19

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.: BN111824 SAS No.: BN111824 SDG NO.: BN111824

EPA Sample No.: SSTD0.4225 Date Analyzed: Nov 18 2024 12:00AM

Lab File ID: BN035136.D Time Analyzed: 11:33

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 SBLK021	11271	16.94	10305	21.15	10963	23.33
02 C0AM0	12966	16.94	11210	21.15	11428	23.33
03 C0AM2	14037	16.94	11321	21.15	11064	23.33
04 C0AK0	18699 *	16.94	15326 *	21.15	15843 *	23.33
05 A0AM6	12558	16.94	11725	21.15	11789	23.33
06 A0AL0	12337	16.94	10309	21.15	10254	23.33
07 SLCS837	12283	16.94	10489	21.15	11098	23.33
08 SLCS839	11172	16.94	9506	21.15	9931	23.32
09 C0AMODL	9565	16.94	9114	21.15	9751	23.33
10 C0AK0	8672	16.94	7325	21.15	7276	23.33
11 SP6687	10037	16.94	7963	21.15	7217	23.33
12 SP6688	7709	16.94	5689	21.15	5686	23.33

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.: BN111824 SAS No.: BN111824 SDG NO.: BN111824

EPA Sample No.: SSTD0.4340 Date Analyzed: Nov 18 2024 12:00AM

Lab File ID: BN035142.D Time Analyzed: 11:33

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	8730	16.941	7863	21.151	8507	23.323
	UPPER LIMIT	17460	17.441	15726	21.651	17014	23.823
	LOWER LIMIT	4365	16.441	3931.5	20.651	4253.5	22.823
	EPA SAMPLE NO.						
01	SBLK021	11271	16.94	10305	21.15	10963	23.33
02	C0AM0	12966	16.94	11210	21.15	11428	23.33
03	C0AM2	14037	16.94	11321	21.15	11064	23.33
04	C0AK0	18699 *	16.94	15326	21.15	15843	23.33
05	A0AM6	12558	16.94	11725	21.15	11789	23.33
06	A0AL0	12337	16.94	10309	21.15	10254	23.33
07	SLCS837	12283	16.94	10489	21.15	11098	23.33
08	SLCS839	11172	16.94	9506	21.15	9931	23.32
09	C0AM0DL	9565	16.94	9114	21.15	9751	23.33
10	C0AK0	8672	16.94	7325	21.15	7276	23.33
11	SP6687	10037	16.94	7963	21.15	7217	23.33
12	SP6688	7709	16.94	5689	21.15	5686	23.33

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.: BN111824

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164837BS	1,4-Dioxane	2	2.1	ug/L	105				0	0		
	Naphthalene	0.4	0.44	ug/L	110				0	0		
	1-Methylnaphthalene	0.4	0.51	ug/L	128				0	0		
	2-Methylnaphthalene	0.4	0.45	ug/L	113				0	0		
	Acenaphthylene	0.4	0.44	ug/L	110				0	0		
	Acenaphthene	0.4	0.44	ug/L	110				0	0		
	Fluorene	0.4	0.44	ug/L	110				0	0		
	Pentachlorophenol	0.8	0.84	ug/L	105				0	0		
	Phenanthrene	0.4	0.45	ug/L	113				0	0		
	Anthracene	0.4	0.44	ug/L	110				0	0		
	Fluoranthene	0.4	0.46	ug/L	115				0	0		
	Pyrene	0.4	0.46	ug/L	115				0	0		
	Benzo(a)anthracene	0.4	0.45	ug/L	113				0	0		
	Chrysene	0.4	0.46	ug/L	115				0	0		
	Benzo(b)fluoranthene	0.4	0.46	ug/L	115				0	0		
	Benzo(k)fluoranthene	0.4	0.47	ug/L	117				0	0		
	Benzo(a)pyrene	0.4	0.46	ug/L	115				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0.46	ug/L	115				0	0		
	Dibenzo(a,h)anthracene	0.4	0.46	ug/L	115				0	0		
	Benzo(g,h,i)perylene	0.4	0.46	ug/L	115				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN111824

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164839BS	1,4-Dioxane	2	1.9	ug/L	95				0	0	
	Naphthalene	0.4	0.4	ug/L	100				0	0	
	1-Methylnaphthalene	0.4	0.46	ug/L	115				0	0	
	2-Methylnaphthalene	0.4	0.4	ug/L	100				0	0	
	Acenaphthylene	0.4	0.4	ug/L	100				0	0	
	Acenaphthene	0.4	0.4	ug/L	100				0	0	
	Fluorene	0.4	0.4	ug/L	100				0	0	
	Pentachlorophenol	0.8	0.76	ug/L	95				0	0	
	Phenanthrene	0.4	0.4	ug/L	100				0	0	
	Anthracene	0.4	0.39	ug/L	98				0	0	
	Fluoranthene	0.4	0.42	ug/L	105				0	0	
	Pyrene	0.4	0.42	ug/L	105				0	0	
	Benzo(a)anthracene	0.4	0.41	ug/L	103				0	0	
	Chrysene	0.4	0.42	ug/L	105				0	0	
	Benzo(b)fluoranthene	0.4	0.42	ug/L	105				0	0	
	Benzo(k)fluoranthene	0.4	0.43	ug/L	108				0	0	
	Benzo(a)pyrene	0.4	0.42	ug/L	105				0	0	
	Indeno(1,2,3-cd)pyrene	0.4	0.43	ug/L	108				0	0	
	Dibenzo(a,h)anthracene	0.4	0.43	ug/L	108				0	0	
	Benzo(g,h,i)perylene	0.4	0.42	ug/L	105				0	0	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SP6687

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN111824

SAS No.: BN111824 SDG NO.: BN111824

Lab File ID: BN035153.D

Lab Sample ID: SP6687

Instrument ID: BNA_N

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 11/18/2024

Level: (low/med) LOW

Time Analyzed: 18:09

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SP6687	SP6687	BN035153.D	11/18/2024
SP6688	SP6688	BN035154.D	11/18/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

C0AK0

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN111824

SAS No.: BN111824 SDG NO.: BN111824

Lab File ID: BN035152.D

Lab Sample ID: P4715-05

Instrument ID: BNA_N

Date Extracted: 11/09/2024

Matrix: (soil/water) Water

Date Analyzed: 11/18/2024

Level: (low/med) LOW

Time Analyzed: 17:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
C0AK0	P4715-05	BN035152.D	11/18/2024
C0AM0	P4715-09	BN035144.D	11/18/2024
C0AK0	P4715-05	BN035146.D	11/18/2024
PB164837BS	PB164837BS	BN035149.D	11/18/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SLCS839

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN111824

SAS No.: BN111824 SDG NO.: BN111824

Lab File ID: BN035150.D

Lab Sample ID: PB164839BS

Instrument ID: BNA_N

Date Extracted: 11/09/2024

Matrix: (soil/water) Water

Date Analyzed: 11/18/2024

Level: (low/med) LOW

Time Analyzed: 16:21

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164839BS	PB164839BS	BN035150.D	11/18/2024
C0AM2	P4715-10	BN035145.D	11/18/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

A0AL0

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN111824

SAS No.: BN111824 SDG NO.: BN111824

Lab File ID: BN035148.D

Lab Sample ID: P4761-01

Instrument ID: BNA_N

Date Extracted: 11/10/2024

Matrix: (soil/water) Water

Date Analyzed: 11/18/2024

Level: (low/med) LOW

Time Analyzed: 15:09

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
A0AL0	P4761-01	BN035148.D	11/18/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

A0AM6

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN111824

SAS No.: BN111824 SDG NO.: BN111824

Lab File ID: BN035147.D

Lab Sample ID: P4761-07

Instrument ID: BNA_N

Date Extracted: 11/10/2024

Matrix: (soil/water) Water

Date Analyzed: 11/18/2024

Level: (low/med) LOW

Time Analyzed: 14:23

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
A0AM6	P4761-07	BN035147.D	11/18/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK021

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN111824

SAS No.: BN111824 SDG NO.: BN111824

Lab File ID: BN035143.D

Lab Sample ID: PB165021BL

Instrument ID: BNA_N

Date Extracted: 11/15/2024

Matrix: (soil/water) Water

Date Analyzed: 11/18/2024

Level: (low/med) LOW

Time Analyzed: 11:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS:

Surrogate Summary

SW-846

SDG No.: BN111824

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SP6687	SP6687	BN035153.D	1,4-Dioxane-d8	8	15,517.00	193963	*	15	120
			Fluoranthene-d10	0.4	856.00	214000	*	30	130
			2-Methylnaphthalene-d10	0.4	805.00	201250	*	30	130
SP6688	SP6688	BN035154.D	1,4-Dioxane-d8	8	2,040.00	25500	*	15	120
			Fluoranthene-d10	0.4	1,061.00	265250	*	30	130
			2-Methylnaphthalene-d10	0.4	954.00	238500	*	30	130

Surrogate Summary

SW-846

SDG No.: BN111824

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4715-05	C0AK0	BN035152.D	1,4-Dioxane-d8	8	6.24	78		15	120
		BN035146.D	1,4-Dioxane-d8	8	5.22	65		15	120
			Fluoranthene-d10	0.4	0.43	106		30	130
		BN035152.D	Fluoranthene-d10	0.4	0.47	118		30	130
			2-Methylnaphthalene-d10	0.4	0.37	92		30	130
		BN035146.D	2-Methylnaphthalene-d10	0.4	0.33	83		30	130
P4715-09	C0AM0	BN035144.D	1,4-Dioxane-d8	8	5.62	70		15	120
			Fluoranthene-d10	0.4	0.42	106		30	130
			2-Methylnaphthalene-d10	0.4	0.35	86		30	130
P4715-09DL	C0AM0DL	BN035151.D	1,4-Dioxane-d8	8	7.04	88		15	120
			Fluoranthene-d10	0.4	0.51	127		30	130
			2-Methylnaphthalene-d10	0.4	0.44	110		30	130
PB164837BS	PB164837BS	BN035149.D	1,4-Dioxane-d8	0.8	0.84	105		15	120
			Fluoranthene-d10	0.4	0.51	128		30	130
			2-Methylnaphthalene-d10	0.4	0.50	125		30	130

Surrogate Summary

SW-846

SDG No.: BN111824

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4715-10	C0AM2	BN035145.D	1,4-Dioxane-d8	8	5.00	63		15	120
			Fluoranthene-d10	0.4	0.43	108		30	130
			2-Methylnaphthalene-d10	0.4	0.35	88		30	130
PB164839BS	PB164839BS	BN035150.D	1,4-Dioxane-d8	0.8	0.76	95		15	120
			Fluoranthene-d10	0.4	0.46	115		30	130
			2-Methylnaphthalene-d10	0.4	0.45	112		30	130

Surrogate Summary

SW-846

SDG No.: BN111824

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4761-01	A0AL0	BN035148.D	1,4-Dioxane-d8	8	5.52	69		15	120
			Fluoranthene-d10	0.4	0.42	106		30	130
			2-Methylnaphthalene-d10	0.4	0.35	88		30	130

Surrogate Summary

SW-846

SDG No.: BN111824

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4761-07	A0AM6	BN035147.D	1,4-Dioxane-d8	8	5.61	70		15	120
			Fluoranthene-d10	0.4	0.44	111		30	130
			2-Methylnaphthalene-d10	0.4	0.42	106		30	130

Surrogate Summary

SW-846

SDG No.: BN111824

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165021BL	PB165021BL	BN035143.D	1,4-Dioxane-d8	8	6.16	77		15	120
			Fluoranthene-d10	0.4	0.34	86		30	130
			2-Methylnaphthalene-d10	0.4	0.36	90		30	130

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN111824

Lab Code: CHEM

SAS No.: BN111824 SDG NO.: BN111824

Lab File ID: BN035141.D

DFTPP Injection Date: 11/18/2024

Instrument ID: BNA_N

DFTPP Injection Time: 10:18

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.2
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	30
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	39.5
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	6.8
275	10.0 - 60.0% of mass 198	29.4
365	Greater than 1% of mass 198	4.8
441	Present, but less than mass 443	11
442	Greater than 50% of mass 198	73
443	15.0 - 24.0% of mass 442	13.6 (18.7) 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
SSTD0.4340	SSTDCCC0.4	BN035142.D	11/18/2024	10:57
SBLK021	PB165021BL	BN035143.D	11/18/2024	11:33
C0AM0	P4715-09	BN035144.D	11/18/2024	12:14
C0AM2	P4715-10	BN035145.D	11/18/2024	12:50
C0AK0	P4715-05	BN035146.D	11/18/2024	13:27
A0AM6	P4761-07	BN035147.D	11/18/2024	14:23
A0AL0	P4761-01	BN035148.D	11/18/2024	15:09
SLCS837	PB164837BS	BN035149.D	11/18/2024	15:45
SLCS839	PB164839BS	BN035150.D	11/18/2024	16:21
C0AM0DL	P4715-09DL	BN035151.D	11/18/2024	16:57
C0AK0	P4715-05	BN035152.D	11/18/2024	17:33
SP6687	SP6687	BN035153.D	11/18/2024	18:09
SP6688	SP6688	BN035154.D	11/18/2024	18:45
SSTD0.4341	SSTDCCC0.4EC	BN035155.D	11/18/2024	19:21