

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM101024 SAS No.: BM101024 SDG No.: BM101024

Instrument ID: BNA_M Calibration Date/Time: 10/10/2024 : 16:59

Lab File ID: BM047981.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4059 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.615	0.544	0.010	-11.481	40.0
1,4-Dioxane-d8	0.514	0.476	0.010	-7.3253	40.0
Naphthalene	1.090	1.048	0.600	-3.9257	30.0
1-Methylnaphthalene	0.686	0.678	0.300	-1.1487	30.0
2-Methylnaphthalene	0.654	0.651	0.300	-0.4835	30.0
Acenaphthylene	1.944	1.763	0.900	-9.3173	30.0
Acenaphthene	1.335	1.217	0.500	-8.8509	30.0
Fluorene	1.509	1.359	0.700	-9.9863	30.0
Pentachlorophenol	0.120	0.160	0.010	33.2129	50.0
Phenanthrene	1.187	1.110	0.300	-6.5349	30.0
Anthracene	1.057	0.994	0.400	-5.9633	30.0
Fluoranthene	1.683	1.429	0.400	-15.1188	30.0
Pyrene	1.792	1.539	0.500	-14.1308	30.0
Benzo (a) anthracene	1.692	1.402	0.400	-17.0976	30.0
Chrysene	1.759	1.451	0.400	-17.5133	30.0
Benzo (b) fluoranthene	1.741	1.500	0.200	-13.8407	30.0
Benzo (k) fluoranthene	1.751	1.574	0.200	-10.1087	30.0
Benzo (a) pyrene	1.372	1.244	0.200	-9.3632	30.0
Indeno (1,2,3-cd) pyrene	2.185	1.796	0.200	-17.819	30.0
Dibenzo (a,h) anthracene	1.648	1.402	0.200	-14.9381	30.0
Benzo (g,h,i) perylene	1.754	1.468	0.200	-16.3108	30.0
Fluoranthene-d10	1.225	1.074	0.400	-12.2858	30.0
2-Methylnaphthalene-d10	0.534	0.553	0.300	3.5304	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.: BM101024 SAS No.: BM101024 SDG No.: BM101024

Instrument ID: BNA_M Calibration Date/Time: 10/11/2024 : 03:51

Lab File ID: BM047998.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4060 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.615	0.668	0.010	8.5839	40.0
1,4-Dioxane-d8	0.514	0.569	0.010	10.7939	40.0
Naphthalene	1.090	1.041	0.600	-4.4822	30.0
1-Methylnaphthalene	0.686	0.688	0.300	0.2658	30.0
2-Methylnaphthalene	0.654	0.601	0.300	-8.1792	30.0
Acenaphthylene	1.944	1.673	0.900	-13.9669	30.0
Acenaphthene	1.335	1.230	0.500	-7.8258	30.0
Fluorene	1.509	1.263	0.700	-16.3127	30.0
Pentachlorophenol	0.120	0.121	0.010	0.6009	50.0
Phenanthrene	1.187	1.084	0.300	-8.6843	30.0
Anthracene	1.057	0.807	0.400	-23.6611	30.0
Fluoranthene	1.683	1.525	0.400	-9.369	30.0
Pyrene	1.792	1.639	0.500	-8.5552	30.0
Benzo (a) anthracene	1.692	1.221	0.400	-27.8318	30.0
Chrysene	1.759	1.566	0.400	-11.0107	30.0
Benzo (b) fluoranthene	1.741	1.476	0.200	-15.193	30.0
Benzo (k) fluoranthene	1.751	1.681	0.200	-4.0246	30.0
Benzo (a) pyrene	1.372	1.231	0.200	-10.2772	30.0
Indeno (1,2,3-cd) pyrene	2.185	1.787	0.200	-18.2388	30.0
Dibenzo (a,h) anthracene	1.648	1.339	0.200	-18.773	30.0
Benzo (g,h,i) perylene	1.754	1.523	0.200	-13.171	30.0
Fluoranthene-d10	1.225	1.168	0.400	-4.6349	30.0
2-Methylnaphthalene-d10	0.534	0.520	0.300	-2.6284	30.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	SBLK729	SDG No.:	BM101024
Lab Sample ID:	PB163729BL	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
BM047982.D	1	9/27/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163729

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.029	U	0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.512		15-120		81	SPK: -8
93951-69-0	Fluoranthene-d10	0.332		30-130		83	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.361		30-130		90	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8148		7.792			
1146-65-2	Naphthalene-d8	24872		10.579			
15067-26-2	Acenaphthene-d10	12810		14.423			

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	SBLK729	SDG No.:	BM101024
Lab Sample ID:	PB163729BL	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
BM047982.D	1	9/27/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163729

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	24042	17.162				
1719-03-5	Chrysene-d12	20174	21.333				
1520-96-3	Perylene-d12	15902	23.595				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	SBLK727	SDG No.:	BM101024
Lab Sample ID:	PB163727BL	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
BM047983.D	1	9/27/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163727

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.029	U	0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.583		15-120		57	SPK: -8
93951-69-0	Fluoranthene-d10	0.229		30-130		57	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.251		30-130		63	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	11262	7.792				
1146-65-2	Naphthalene-d8	34103	10.579				
15067-26-2	Acenaphthene-d10	17494	14.423				

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	SBLK727	SDG No.:	BM101024
Lab Sample ID:	PB163727BL	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
BM047983.D	1	9/27/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163727

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	34829	17.158				
1719-03-5	Chrysene-d12	27856	21.333				
1520-96-3	Perylene-d12	22798	23.595				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY052MS	SDG No.:	BM101024
Lab Sample ID:	P4207-10MS	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
BM047984.D	1	9/27/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163729

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.9		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.29		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.34		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.29		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.28		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.31		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.31		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	1.4		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.34		0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.32		0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.34		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.35		0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.3		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.32		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.34		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.35		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.36		0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.32		0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.32		0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.32		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.24		15-120		30	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.356		30-130		89	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.287		30-130		72	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9458	7.796				
1146-65-2	Naphthalene-d8	29066	10.579				
15067-26-2	Acenaphthene-d10	15805	14.424				

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY052MS	SDG No.:	BM101024
Lab Sample ID:	P4207-10MS	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
BM047984.D	1	9/27/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163729

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	29218	17.162				
1719-03-5	Chrysene-d12	25164	21.33				
1520-96-3	Perylene-d12	22211	23.595				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY052MSD	SDG No.:	BM101024
Lab Sample ID:	P4207-11MSD	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
BM047985.D	1	9/27/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163729

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.1		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.31		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.37		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.31		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.3		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.33		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.33		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	1.5		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.36		0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.34		0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.36		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.36		0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.32		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.34		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.36		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.37		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.38		0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.33		0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.34		0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.34		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.254		15-120		32	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.374		30-130		94	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.303		30-130		76	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8568	7.796				
1146-65-2	Naphthalene-d8	26094	10.579				
15067-26-2	Acenaphthene-d10	14435	14.424				

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY052MSD	SDG No.:	BM101024
Lab Sample ID:	P4207-11MSD	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
BM047985.D	1	9/27/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163729

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	26638	17.162				
1719-03-5	Chrysene-d12	23496	21.33				
1520-96-3	Perylene-d12	20825	23.595				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY069	SDG No.:	BM101024
Lab Sample ID:	P4207-07	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
BM047986.D	1	9/27/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163727

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	U	0	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	0.01	U	0.01	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.06	U	0.06	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	0.01	U	0.01	0.05	0.1	ug/L
129-00-0	Pyrene	0.01	U	0.01	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0	U	0	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	0.01	U	0.01	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.01	U	0.01	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.02	U	0.02	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	0.01	U	0.01	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.02	U	0.02	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.012		15-120		50	SPK: -8
93951-69-0	Fluoranthene-d10	0.344		30-130		86	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.295		30-130		74	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	11157		7.792			
1146-65-2	Naphthalene-d8	33967		10.579			
15067-26-2	Acenaphthene-d10	17193		14.423			

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY069	SDG No.:	BM101024
Lab Sample ID:	P4207-07	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
BM047986.D	1	9/27/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163727

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	32991	17.158				
1719-03-5	Chrysene-d12	25971	21.33				
1520-96-3	Perylene-d12	22240	23.592				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.03	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY084	SDG No.:	BM101024
Lab Sample ID:	P4207-08	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
BM047987.D	1	9/27/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163727

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.029	U	0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.86		15-120		48	SPK: -8
93951-69-0	Fluoranthene-d10	0.332		30-130		83	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.285		30-130		71	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	10535		7.792			
1146-65-2	Naphthalene-d8	31722		10.579			
15067-26-2	Acenaphthene-d10	16048		14.424			

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY084	SDG No.:	BM101024
Lab Sample ID:	P4207-08	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
BM047987.D	1	9/27/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163727

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	30462	17.158				
1719-03-5	Chrysene-d12	23310	21.33				
1520-96-3	Perylene-d12	19240	23.592				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY053	SDG No.:	BM101024
Lab Sample ID:	P4207-14	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
BM047988.D	1	9/27/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163727

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.72		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.823		15-120		48	SPK: -8
93951-69-0	Fluoranthene-d10	0.355		30-130		89	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.247		30-130		62	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9690	7.792				
1146-65-2	Naphthalene-d8	29465	10.578				
15067-26-2	Acenaphthene-d10	14673	14.422				

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY053	SDG No.:	BM101024
Lab Sample ID:	P4207-14	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
BM047988.D	1	9/27/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163727

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	28533	17.157				
1719-03-5	Chrysene-d12	22054	21.333				
1520-96-3	Perylene-d12	18650	23.592				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY054	SDG No.:	BM101024
Lab Sample ID:	P4207-15	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
BM047989.D	1	9/27/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.11	J	0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.512		15-120		56	SPK: -8
93951-69-0	Fluoranthene-d10	0.377		30-130		94	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.301		30-130		75	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9858	7.792				
1146-65-2	Naphthalene-d8	29781	10.579				
15067-26-2	Acenaphthene-d10	15132	14.423				

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY054	SDG No.:	BM101024
Lab Sample ID:	P4207-15	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
BM047989.D	1	9/27/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	29071	17.158				
1719-03-5	Chrysene-d12	22078	21.333				
1520-96-3	Perylene-d12	18534	23.592				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY055	SDG No.:	BM101024
Lab Sample ID:	P4187-18	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
BM047990.D	1	9/26/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.12	J	0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.114		15-120		51	SPK: -8
93951-69-0	Fluoranthene-d10	0.34		30-130		85	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.268		30-130		67	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8086		7.792			
1146-65-2	Naphthalene-d8	24757		10.578			
15067-26-2	Acenaphthene-d10	12516		14.422			

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY055	SDG No.:	BM101024
Lab Sample ID:	P4187-18	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
BM047990.D	1	9/26/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	24866	17.157				
1719-03-5	Chrysene-d12	18986	21.33				
1520-96-3	Perylene-d12	15727	23.593				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY059	SDG No.:	BM101024
Lab Sample ID:	P4187-20	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
BM047991.D	1	9/26/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.9		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.182		15-120		52	SPK: -8
93951-69-0	Fluoranthene-d10	0.362		30-130		90	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.28		30-130		70	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9587	7.792				
1146-65-2	Naphthalene-d8	29094	10.578				
15067-26-2	Acenaphthene-d10	14398	14.422				

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY059	SDG No.:	BM101024
Lab Sample ID:	P4187-20	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
BM047991.D	1	9/26/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	28041	17.157				
1719-03-5	Chrysene-d12	21255	21.33				
1520-96-3	Perylene-d12	17819	23.589				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY076	SDG No.:	BM101024
Lab Sample ID:	P4187-21	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	980	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
BM047992.D	1	9/26/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.42		0.03	0	0.2	ug/L
91-20-3	Naphthalene	0	U	0	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	0.01	U	0.01	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.06	U	0.06	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	0.01	U	0.01	0.05	0.1	ug/L
129-00-0	Pyrene	0.01	U	0.01	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0	U	0	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	0.01	U	0.01	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.01	U	0.01	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.02	U	0.02	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	0.01	U	0.01	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.02	U	0.02	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.567		15-120		45	SPK: -8
93951-69-0	Fluoranthene-d10	0.279		30-130		70	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.258		30-130		64	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9717	7.792				
1146-65-2	Naphthalene-d8	29615	10.578				
15067-26-2	Acenaphthene-d10	14859	14.422				

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY076	SDG No.:	BM101024
Lab Sample ID:	P4187-21	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	980	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
BM047992.D	1	9/26/2024 12:00:00 AM	10/10/2024 12:00:00 AM	PB163719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	35393	17.157				
1719-03-5	Chrysene-d12	27470	21.327				
1520-96-3	Perylene-d12	22452	23.592				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.03	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY060	SDG No.:	BM101024
Lab Sample ID:	P4207-01	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
BM047993.D	1	9/26/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.029	U	0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.322		15-120		54	SPK: -8
93951-69-0	Fluoranthene-d10	0.352		30-130		88	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.299		30-130		75	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9535	7.792				
1146-65-2	Naphthalene-d8	29153	10.579				
15067-26-2	Acenaphthene-d10	14732	14.419				

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY060	SDG No.:	BM101024
Lab Sample ID:	P4207-01	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
BM047993.D	1	9/26/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	31207	17.158				
1719-03-5	Chrysene-d12	23250	21.33				
1520-96-3	Perylene-d12	19452	23.592				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY068	SDG No.:	BM101024
Lab Sample ID:	P4207-06	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	980	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
BM047994.D	1	9/26/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163721

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	U	0	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	0.01	U	0.01	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.06	U	0.06	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	0.01	U	0.01	0.05	0.1	ug/L
129-00-0	Pyrene	0.01	U	0.01	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0	U	0	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	0.01	U	0.01	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.01	U	0.01	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.02	U	0.02	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	0.01	U	0.01	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.02	U	0.02	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.892		15-120		49	SPK: -8
93951-69-0	Fluoranthene-d10	0.364		30-130		91	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.289		30-130		72	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8866		7.792			
1146-65-2	Naphthalene-d8	27092		10.578			
15067-26-2	Acenaphthene-d10	13505		14.422			

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY068	SDG No.:	BM101024
Lab Sample ID:	P4207-06	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	980 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
BM047994.D	1	9/26/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	25872	17.161				
1719-03-5	Chrysene-d12	19123	21.333				
1520-96-3	Perylene-d12	16278	23.589				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.03	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY056	SDG No.:	BM101024
Lab Sample ID:	P4187-19	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
BM047995.D	1	9/26/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.15	J	0.03	0	0.2	ug/L
91-20-3	Naphthalene	0	U	0	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	0.01	U	0.01	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.06	U	0.06	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	0.01	U	0.01	0.05	0.1	ug/L
129-00-0	Pyrene	0.01	U	0.01	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0	U	0	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	0.01	U	0.01	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.01	U	0.01	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.02	U	0.02	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	0.01	U	0.01	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.02	U	0.02	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.696		15-120		46	SPK: -8
93951-69-0	Fluoranthene-d10	0.351		30-130		88	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.253		30-130		63	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9464		7.792			
1146-65-2	Naphthalene-d8	28758		10.578			
15067-26-2	Acenaphthene-d10	14139		14.422			

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY056	SDG No.:	BM101024
Lab Sample ID:	P4187-19	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
BM047995.D	1	9/26/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	28716	17.161				
1719-03-5	Chrysene-d12	21144	21.333				
1520-96-3	Perylene-d12	17743	23.592				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.03	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY052	SDG No.:	BM101024
Lab Sample ID:	P4207-09	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
BM047996.D	1	9/27/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163729

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.8		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.511		15-120		44	SPK: -8
93951-69-0	Fluoranthene-d10	0.34		30-130		85	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.214		30-130		53	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9602		7.792			
1146-65-2	Naphthalene-d8	29439		10.578			
15067-26-2	Acenaphthene-d10	14448		14.422			

Report of Analysis

Client:		Date Collected:	9/25/2024 12:00:00 AM
Project:		Date Received:	9/25/2024 12:00:00 AM
Client Sample ID:	EY052	SDG No.:	BM101024
Lab Sample ID:	P4207-09	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
BM047996.D	1	9/27/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163729

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	28069	17.157				
1719-03-5	Chrysene-d12	20720	21.33				
1520-96-3	Perylene-d12	18262	23.592				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	SLCS727	SDG No.:	BM101024
Lab Sample ID:	PB163727BS	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
BM047997.D	1	9/27/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163727

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.2		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.47		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.56		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.47		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.42		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.47		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.43		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.95		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.45		0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.39		0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.45		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.46		0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.37		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.43		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.42		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.48		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.48		0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.41		0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.41		0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.44		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.944		15-120		118	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.481		30-130		120	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.495		30-130		124	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8107	7.796				
1146-65-2	Naphthalene-d8	24802	10.579				
15067-26-2	Acenaphthene-d10	13620	14.423				

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	SLCS727	SDG No.:	BM101024
Lab Sample ID:	PB163727BS	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
BM047997.D	1	9/27/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163727

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	24465	17.162				
1719-03-5	Chrysene-d12	19853	21.327				
1520-96-3	Perylene-d12	18299	23.595				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	SBLK767	SDG No.:	BM101024
Lab Sample ID:	PB163767BL	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
BM047999.D	1	9/27/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.029	U	0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.814		15-120		60	SPK: -8
93951-69-0	Fluoranthene-d10	0.303		30-130		76	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.232		30-130		58	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9975	7.792				
1146-65-2	Naphthalene-d8	29674	10.578				
15067-26-2	Acenaphthene-d10	14447	14.422				

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	SBLK767	SDG No.:	BM101024
Lab Sample ID:	PB163767BL	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
BM047999.D	1	9/27/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	27238	17.161				
1719-03-5	Chrysene-d12	18881	21.336				
1520-96-3	Perylene-d12	15430	23.59				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	SBLK721	SDG No.:	BM101024
Lab Sample ID:	PB163721BL	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
BM048000.D	1	9/26/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.029	U	0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.549		15-120		69	SPK: -8
93951-69-0	Fluoranthene-d10	0.315		30-130		79	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.258		30-130		64	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8893	7.792				
1146-65-2	Naphthalene-d8	26776	10.578				
15067-26-2	Acenaphthene-d10	12941	14.422				

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	SBLK721	SDG No.:	BM101024
Lab Sample ID:	PB163721BL	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
BM048000.D	1	9/26/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	24922	17.161				
1719-03-5	Chrysene-d12	17157	21.339				
1520-96-3	Perylene-d12	14864	23.592				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	SLCS721	SDG No.:	BM101024
Lab Sample ID:	PB163721BS	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
BM048001.D	1	9/26/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.8		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.33		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.4		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.31		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.29		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.33		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.28		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.61		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.3		0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.24		0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.31		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.31		0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.24		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.3		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.26		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.33		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.32		0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.27		0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.26		0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.3		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.768		15-120		96	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.327		30-130		82	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.335		30-130		84	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7168	7.796				
1146-65-2	Naphthalene-d8	21540	10.585				
15067-26-2	Acenaphthene-d10	12096	14.423				

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	SLCS721	SDG No.:	BM101024
Lab Sample ID:	PB163721BS	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
BM048001.D	1	9/26/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163721

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	21225	17.167				
1719-03-5	Chrysene-d12	17490	21.333				
1520-96-3	Perylene-d12	16911	23.601				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	SBLK769	SDG No.:	BM101024
Lab Sample ID:	PB163769BL	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
BM048002.D	1	9/27/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163769

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.029	U	0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.436		15-120		68	SPK: -8
93951-69-0	Fluoranthene-d10	0.351		30-130		88	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.259		30-130		65	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	10179	7.792				
1146-65-2	Naphthalene-d8	30610	10.574				
15067-26-2	Acenaphthene-d10	14848	14.419				

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	SBLK769	SDG No.:	BM101024
Lab Sample ID:	PB163769BL	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
BM048002.D	1	9/27/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163769

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	28222	17.158				
1719-03-5	Chrysene-d12	19175	21.339				
1520-96-3	Perylene-d12	16238	23.589				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	SLCS719	SDG No.:	BM101024
Lab Sample ID:	PB163719BS	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
BM048003.D	1	9/26/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.9		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.34		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.4		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.32		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.29		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.34		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.29		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.63		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.32		0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.25		0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.33		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.33		0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.25		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.32		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.29		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.35		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.33		0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.28		0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.27		0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.31		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.791		15-120		99	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.351		30-130		88	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.337		30-130		84	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6965	7.796				
1146-65-2	Naphthalene-d8	21029	10.583				
15067-26-2	Acenaphthene-d10	11943	14.422				

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	SLCS719	SDG No.:	BM101024
Lab Sample ID:	PB163719BS	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
BM048003.D	1	9/26/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	20147	17.165				
1719-03-5	Chrysene-d12	16303	21.336				
1520-96-3	Perylene-d12	15844	23.601				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	SBLK719	SDG No.:	BM101024
Lab Sample ID:	PB163719BL	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
BM048004.D	1	9/26/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.029	U	0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.34		15-120		67	SPK: -8
93951-69-0	Fluoranthene-d10	0.311		30-130		78	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.24		30-130		60	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8370	7.792				
1146-65-2	Naphthalene-d8	24843	10.578				
15067-26-2	Acenaphthene-d10	12151	14.422				

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	SBLK719	SDG No.:	BM101024
Lab Sample ID:	PB163719BL	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
BM048004.D	1	9/26/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163719

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	22519	17.157				
1719-03-5	Chrysene-d12	15315	21.342				
1520-96-3	Perylene-d12	12006	23.59				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	SLCS729	SDG No.:	BM101024
Lab Sample ID:	PB163729BS	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
BM048005.D	1	9/27/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163729

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.6		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.29		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.36		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.27		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.25		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.29		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.25		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.57		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.28		0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.21		0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.3		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.3		0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.23		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.29		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.26		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.31		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.3		0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.25		0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.24		0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.28		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.687		15-120		86	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.314		30-130		79	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.29		30-130		72	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7670	7.796				
1146-65-2	Naphthalene-d8	23007	10.583				
15067-26-2	Acenaphthene-d10	13161	14.422				

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	SLCS729	SDG No.:	BM101024
Lab Sample ID:	PB163729BS	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
BM048005.D	1	9/27/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163729

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	21915	17.165				
1719-03-5	Chrysene-d12	17639	21.333				
1520-96-3	Perylene-d12	17201	23.598				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Hit Summary Sheet SW-846

SDG No.: BM101024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : EY055								
P4187-18	EY055	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
			Total Tics :			0.00		
P4187-18	EY055	Water	1,4-Dioxane		0.120	J 0.029	0.2	ug/L
			Total Svoc :			0.12		
			Total Concentration:			0.12		
Client ID : EY056								
P4187-19	EY056	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L
			Total Tics :			0.00		
P4187-19	EY056	Water	1,4-Dioxane		0.150	J 0.03	0.2	ug/L
			Total Svoc :			0.15		
			Total Concentration:			0.15		
Client ID : EY059								
P4187-20	EY059	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
			Total Tics :			0.00		
P4187-20	EY059	Water	1,4-Dioxane		1.900	0.029	0.2	ug/L
			Total Svoc :			1.90		
			Total Concentration:			1.90		
Client ID : EY076								
P4187-21	EY076	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L
			Total Tics :			0.00		
P4187-21	EY076	Water	1,4-Dioxane		0.420	0.03	0.2	ug/L
			Total Svoc :			0.42		
			Total Concentration:			0.42		
Client ID : EY060								
P4207-01	EY060	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID : EY068								
P4207-06	EY068	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID : EY069								
P4207-07	EY069	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		

Hit Summary Sheet SW-846

SDG No.: BM101024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : EY084								
P4207-08	EY084	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID : EY052								
P4207-09	EY052	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
			Total Tics :			0.00		
P4207-09	EY052	Water	1,4-Dioxane		1.800	0.029	0.2	ug/L
			Total Svoc :			1.80		
			Total Concentration:			1.80		
Client ID : EY053								
P4207-14	EY053	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
			Total Tics :			0.00		
P4207-14	EY053	Water	1,4-Dioxane		0.720	0.029	0.2	ug/L
			Total Svoc :			0.72		
			Total Concentration:			0.72		
Client ID : EY054								
P4207-15	EY054	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
			Total Tics :			0.00		
P4207-15	EY054	Water	1,4-Dioxane		0.110	0.029	0.2	ug/L
			Total Svoc :			0.11		
			Total Concentration:			0.11		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM092524 SAS No.: BM092524 SDG No.: BM092524
Instrument ID: _____ Calibration Date(s): 9/25/2024 : _____
Calibration Time(s): 12:53 _____

LAB FILE ID:		RRFAL1 = BM047621.D			RRFAL2 = BM047622.D		RRFAL3 = BM047623.D	
		RRFAL4 = BM047624.D			RRFAL5 = BM047625.D		RRFAL6 = BM047626.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane		0.694	0.611	0.624	0.581	0.566	0.615	8.1
1,4-Dioxane-d8		0.524	0.515	0.525	0.507	0.499	0.514	2.1
Naphthalene	1.124	1.079	1.068	1.113	1.067		1.090	2.4
1-Methylnaphthalene	0.699	0.680	0.673	0.704	0.675		0.686	2.1
2-Methylnaphthalene	0.666	0.639	0.640	0.674	0.651		0.654	2.4
Acenaphthylene	1.988	1.922	1.898	1.987	1.925		1.944	2.1
Acenaphthene	1.362	1.326	1.301	1.371	1.314		1.335	2.3
Fluorene	1.506	1.493	1.485	1.554	1.509		1.509	1.8
Pentachlorophenol		0.119	0.110	0.119	0.118	0.134	0.120	7.2
Phenanthrene	1.221	1.169	1.164	1.217	1.165		1.187	2.4
Anthracene	1.058	1.023	1.025	1.104	1.074		1.057	3.3
Fluoranthene	1.682	1.667	1.607	1.762	1.697		1.683	3.3
Pyrene	1.819	1.786	1.711	1.855	1.788		1.792	3.0
Benzo(a)anthracene	1.838	1.700	1.577	1.696	1.648		1.692	5.7
Chrysene	1.978	1.793	1.661	1.732	1.633		1.759	7.8
Benzo(b)fluoranthene	2.009	1.772	1.614	1.689	1.619		1.741	9.4
Benzo(k)fluoranthene	2.050	1.786	1.613	1.713	1.594		1.751	10.5
Benzo(a)pyrene	1.454	1.402	1.270	1.391	1.343		1.372	5.1
Indeno(1,2,3-cd)pyrene	2.513	2.218	1.983	2.143	2.069		2.185	9.3
Dibenzo(a,h)anthracene	1.848	1.663	1.518	1.636	1.577		1.648	7.6
Benzo(g,h,i)perylene	1.977	1.792	1.640	1.713	1.647		1.754	7.9
Fluoranthene-d10	1.234	1.208	1.171	1.278	1.233		1.225	3.2
2-Methylnaphthalene-d10	0.541	0.518	0.526	0.550	0.535		0.534	2.4

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.: BM101024 SAS No.: BM101024 SDG NO.: BM101024

EPA Sample No.: SSTD0.4017

Date Analyzed: Oct 10 2024 12:00AM

Lab File ID: BM047623.D

Time Analyzed: 17:35

Instrument ID: BNA_M

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	5032	7.83	13972	10.62	7168	14.46
	UPPER LIMIT	10064	8.33	27944	11.123	14336	14.96
	LOWER LIMIT	2516	7.33	6986	10.123	3584	13.96
	EPA SAMPLE NO.						
01	SBLK729	8148	7.79	24872	10.58	12810	14.42
02	SBLK727	11262 *	7.79	34103 *	10.58	17494 *	14.42
03	EY052MS	9458	7.80	29066 *	10.58	15805 *	14.42
04	EY052MSD	8568	7.80	26094	10.58	14435 *	14.42
05	EY069	11157 *	7.79	33967 *	10.58	17193 *	14.42
06	EY084	10535 *	7.79	31722 *	10.58	16048 *	14.42
07	EY053	9690	7.79	29465 *	10.58	14673 *	14.42
08	EY054	9858	7.79	29781 *	10.58	15132 *	14.42
09	EY055	8086	7.79	24757	10.58	12516	14.42
10	EY059	9587	7.79	29094 *	10.58	14398 *	14.42
11	EY076	9717	7.79	29615 *	10.58	14859 *	14.42
12	EY060	9535	7.79	29153 *	10.58	14732 *	14.42
13	EY068	8866	7.79	27092	10.58	13505	14.42
14	EY056	9464	7.79	28758 *	10.58	14139	14.42
15	EY052	9602	7.79	29439 *	10.58	14448 *	14.42
16	SLCS727	8107	7.80	24802	10.58	13620	14.42
17	SBLK767	9975	7.79	29674 *	10.58	14447 *	14.42
18	SBLK721	8893	7.79	26776	10.58	12941	14.42
19	SLCS721	7168	7.80	21540	10.59	12096	14.42
20	SBLK769	10179 *	7.79	30610 *	10.57	14848 *	14.42
21	SLCS719	6965	7.80	21029	10.58	11943	14.42
22	SBLK719	8370	7.79	24843	10.58	12151	14.42
23	SLCS729	7670	7.80	23007	10.58	13161	14.42

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM101024 SAS No.: BM101024 SDG NO.: BM101024

EPA Sample No.: SSTD0.4017 Date Analyzed: Oct 11 2024 12:00AM

Lab File ID: BM047623.D Time Analyzed: 09:18

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	5032	7.83	13972	10.62	7168	14.46
UPPER LIMIT	10064	8.33	27944	11.123	14336	14.96
LOWER LIMIT	2516	7.33	6986	10.123	3584	13.96
EPA SAMPLE NO.						

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.: BM101024 SAS No.: BM101024 SDG NO.: BM101024

EPA Sample No.: SSTD0.4059 Date Analyzed: Oct 10 2024 12:00AM

Lab File ID: BM047981.D Time Analyzed: 17:35

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	9356	7.792	27994	10.58	15338	14.42
	UPPER LIMIT	18712	8.292	55988	11.079	30676	14.923
	LOWER LIMIT	4678	7.292	13997	10.079	7669	13.923
	EPA SAMPLE NO.						
01	SBLK729	8148	7.79	24872	10.58	12810	14.42
02	SBLK727	11262	7.79	34103	10.58	17494	14.42
03	EY052MS	9458	7.80	29066	10.58	15805	14.42
04	EY052MSD	8568	7.80	26094	10.58	14435	14.42
05	EY069	11157	7.79	33967	10.58	17193	14.42
06	EY084	10535	7.79	31722	10.58	16048	14.42
07	EY053	9690	7.79	29465	10.58	14673	14.42
08	EY054	9858	7.79	29781	10.58	15132	14.42
09	EY055	8086	7.79	24757	10.58	12516	14.42
10	EY059	9587	7.79	29094	10.58	14398	14.42
11	EY076	9717	7.79	29615	10.58	14859	14.42
12	EY060	9535	7.79	29153	10.58	14732	14.42
13	EY068	8866	7.79	27092	10.58	13505	14.42
14	EY056	9464	7.79	28758	10.58	14139	14.42
15	EY052	9602	7.79	29439	10.58	14448	14.42
16	SLCS727	8107	7.80	24802	10.58	13620	14.42

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM101024 SAS No.: BM101024 SDG NO.: BM101024

EPA Sample No.: SSTD0.4059 Date Analyzed: Oct 11 2024 12:00AM

Lab File ID: BM047981.D Time Analyzed: 02:38

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	9356	7.792	27994	10.58	15338	14.42
UPPER LIMIT	18712	8.292	55988	11.079	30676	14.923
LOWER LIMIT	4678	7.292	13997	10.079	7669	13.923
EPA SAMPLE NO.						

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.: BM101024 SAS No.: BM101024 SDG NO.: BM101024

EPA Sample No.: SSTD0.4060 Date Analyzed: Oct 11 2024 12:00AM

Lab File ID: BM047998.D Time Analyzed: 04:27

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	7148	7.796	21433	10.58	12098	14.42
UPPER LIMIT	14296	8.296	42866	11.083	24196	14.922
LOWER LIMIT	3574	7.296	10716.5	10.083	6049	13.922
EPA SAMPLE NO.						
01 SBLK767	9975	7.79	29674	10.58	14447	14.42
02 SBLK721	8893	7.79	26776	10.58	12941	14.42
03 SLCS721	7168	7.80	21540	10.59	12096	14.42
04 SBLK769	10179	7.79	30610	10.57	14848	14.42
05 SLCS719	6965	7.80	21029	10.58	11943	14.42
06 SBLK719	8370	7.79	24843	10.58	12151	14.42
07 SLCS729	7670	7.80	23007	10.58	13161	14.42

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.: BM101024 SAS No.: BM101024 SDG NO.: BM101024

EPA Sample No.: SSTD0.4017 Date Analyzed: Oct 10 2024 12:00AM

Lab File ID: BM047623.D Time Analyzed: 17:35

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	14810	17.196	12763	21.359	14088	23.636
	UPPER LIMIT	29620	17.696	25526	21.859	28176	24.136
	LOWER LIMIT	7405	16.696	6381.5	20.859	7044	23.136
	EPA SAMPLE NO.						
01	SBLK729	24042	17.16	20174	21.33	15902	23.60
02	SBLK727	34829 *	17.16	27856 *	21.33	22798	23.60
03	EY052MS	29218	17.16	25164	21.33	22211	23.60
04	EY052MSD	26638	17.16	23496	21.33	20825	23.60
05	EY069	32991 *	17.16	25971 *	21.33	22240	23.59
06	EY084	30462 *	17.16	23310	21.33	19240	23.59
07	EY053	28533	17.16	22054	21.33	18650	23.59
08	EY054	29071	17.16	22078	21.33	18534	23.59
09	EY055	24866	17.16	18986	21.33	15727	23.59
10	EY059	28041	17.16	21255	21.33	17819	23.59
11	EY076	35393 *	17.16	27470 *	21.33	22452	23.59
12	EY060	31207 *	17.16	23250	21.33	19452	23.59
13	EY068	25872	17.16	19123	21.33	16278	23.59
14	EY056	28716	17.16	21144	21.33	17743	23.59
15	EY052	28069	17.16	20720	21.33	18262	23.59
16	SLCS727	24465	17.16	19853	21.33	18299	23.60
17	SBLK767	27238	17.16	18881	21.34	15430	23.59
18	SBLK721	24922	17.16	17157	21.34	14864	23.59
19	SLCS721	21225	17.17	17490	21.33	16911	23.60
20	SBLK769	28222	17.16	19175	21.34	16238	23.59
21	SLCS719	20147	17.17	16303	21.34	15844	23.60

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM101024 SAS No.: BM101024 SDG NO.: BM101024

EPA Sample No.: SSTD0.4017 Date Analyzed: Oct 11 2024 12:00AM

Lab File ID: BM047623.D Time Analyzed: 08:41

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	14810	17.196	12763	21.359	14088	23.636
UPPER LIMIT	29620	17.696	25526	21.859	28176	24.136
LOWER LIMIT	7405	16.696	6381.5	20.859	7044	23.136
EPA SAMPLE NO.						
22 SBLK719	22519	17.16	15315	21.34	12006	23.59
23 SLCS729	21915	17.17	17639	21.33	17201	23.60

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.: BM101024 SAS No.: BM101024 SDG NO.: BM101024

EPA Sample No.: SSTD0.4059 Date Analyzed: Oct 10 2024 12:00AM

Lab File ID: BM047981.D Time Analyzed: 17:35

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	27872	17.162	25038	21.33	22073	23.595
	UPPER LIMIT	55744	17.662	50076	21.83	44146	24.095
	LOWER LIMIT	13936	16.662	12519	20.83	11036.5	23.095
	EPA SAMPLE NO.						
01	SBLK729	24042	17.16	20174	21.33	15902	23.60
02	SBLK727	34829	17.16	27856	21.33	22798	23.60
03	EY052MS	29218	17.16	25164	21.33	22211	23.60
04	EY052MSD	26638	17.16	23496	21.33	20825	23.60
05	EY069	32991	17.16	25971	21.33	22240	23.59
06	EY084	30462	17.16	23310	21.33	19240	23.59
07	EY053	28533	17.16	22054	21.33	18650	23.59
08	EY054	29071	17.16	22078	21.33	18534	23.59
09	EY055	24866	17.16	18986	21.33	15727	23.59
10	EY059	28041	17.16	21255	21.33	17819	23.59
11	EY076	35393	17.16	27470	21.33	22452	23.59
12	EY060	31207	17.16	23250	21.33	19452	23.59
13	EY068	25872	17.16	19123	21.33	16278	23.59
14	EY056	28716	17.16	21144	21.33	17743	23.59
15	EY052	28069	17.16	20720	21.33	18262	23.59
16	SLCS727	24465	17.16	19853	21.33	18299	23.60

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM101024 SAS No.: BM101024 SDG NO.: BM101024

EPA Sample No.: SSTD0.4059 Date Analyzed: Oct 11 2024 12:00AM

Lab File ID: BM047981.D Time Analyzed: 02:38

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	27872	17.162	25038	21.33	22073	23.595
UPPER LIMIT	55744	17.662	50076	21.83	44146	24.095
LOWER LIMIT	13936	16.662	12519	20.83	11036.5	23.095
EPA SAMPLE NO.						

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.: BM101024 SAS No.: BM101024 SDG NO.: BM101024

EPA Sample No.: SSTD0.4060 Date Analyzed: Oct 11 2024 12:00AM

Lab File ID: BM047998.D Time Analyzed: 04:27

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	20561	17.165	17349	21.33	17015	23.595
UPPER LIMIT	41122	17.665	34698	21.83	34030	24.095
LOWER LIMIT	10280.5	16.665	8674.5	20.83	8507.5	23.095
EPA SAMPLE NO.						
01 SBLK767	27238	17.16	18881	21.34	15430	23.59
02 SBLK721	24922	17.16	17157	21.34	14864	23.59
03 SLCS721	21225	17.17	17490	21.33	16911	23.60
04 SBLK769	28222	17.16	19175	21.34	16238	23.59
05 SLCS719	20147	17.17	16303	21.34	15844	23.60
06 SBLK719	22519	17.16	15315	21.34	12006	23.59
07 SLCS729	21915	17.17	17639	21.33	17201	23.60

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.: BM101024

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB163719BS	1,4-Dioxane	2	1.9	ug/L	95				0	0		
	Naphthalene	0.4	0.34	ug/L	85				0	0		
	1-Methylnaphthalene	0.4	0.4	ug/L	100				0	0		
	2-Methylnaphthalene	0.4	0.32	ug/L	80				0	0		
	Acenaphthylene	0.4	0.29	ug/L	73				0	0		
	Acenaphthene	0.4	0.34	ug/L	85				0	0		
	Fluorene	0.4	0.29	ug/L	73				0	0		
	Pentachlorophenol	0.8	0.63	ug/L	79				0	0		
	Phenanthrene	0.4	0.32	ug/L	80				0	0		
	Anthracene	0.4	0.25	ug/L	63				0	0		
	Fluoranthene	0.4	0.33	ug/L	83				0	0		
	Pyrene	0.4	0.33	ug/L	83				0	0		
	Benzo(a)anthracene	0.4	0.25	ug/L	63				0	0		
	Chrysene	0.4	0.32	ug/L	80				0	0		
	Benzo(b)fluoranthene	0.4	0.29	ug/L	73				0	0		
	Benzo(k)fluoranthene	0.4	0.35	ug/L	88				0	0		
	Benzo(a)pyrene	0.4	0.33	ug/L	83				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0.28	ug/L	70				0	0		
	Dibenzo(a,h)anthracene	0.4	0.27	ug/L	68				0	0		
	Benzo(g,h,i)perylene	0.4	0.31	ug/L	78				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM101024

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB163721BS	1,4-Dioxane	2	1.8	ug/L	90				0	0		
	Naphthalene	0.4	0.33	ug/L	83				0	0		
	1-Methylnaphthalene	0.4	0.4	ug/L	100				0	0		
	2-Methylnaphthalene	0.4	0.31	ug/L	78				0	0		
	Acenaphthylene	0.4	0.29	ug/L	73				0	0		
	Acenaphthene	0.4	0.33	ug/L	83				0	0		
	Fluorene	0.4	0.28	ug/L	70				0	0		
	Pentachlorophenol	0.8	0.61	ug/L	76				0	0		
	Phenanthrene	0.4	0.3	ug/L	75				0	0		
	Anthracene	0.4	0.24	ug/L	60				0	0		
	Fluoranthene	0.4	0.31	ug/L	78				0	0		
	Pyrene	0.4	0.31	ug/L	78				0	0		
	Benzo(a)anthracene	0.4	0.24	ug/L	60				0	0		
	Chrysene	0.4	0.3	ug/L	75				0	0		
	Benzo(b)fluoranthene	0.4	0.26	ug/L	65				0	0		
	Benzo(k)fluoranthene	0.4	0.33	ug/L	83				0	0		
	Benzo(a)pyrene	0.4	0.32	ug/L	80				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0.27	ug/L	68				0	0		
	Dibenzo(a,h)anthracene	0.4	0.26	ug/L	65				0	0		
	Benzo(g,h,i)perylene	0.4	0.3	ug/L	75				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM101024

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB163727BS	1,4-Dioxane	2	2.2	ug/L	110				0	0		
	Naphthalene	0.4	0.47	ug/L	117				0	0		
	1-Methylnaphthalene	0.4	0.56	ug/L	140				0	0		
	2-Methylnaphthalene	0.4	0.47	ug/L	117				0	0		
	Acenaphthylene	0.4	0.42	ug/L	105				0	0		
	Acenaphthene	0.4	0.47	ug/L	117				0	0		
	Fluorene	0.4	0.43	ug/L	108				0	0		
	Pentachlorophenol	0.8	0.95	ug/L	119				0	0		
	Phenanthrene	0.4	0.45	ug/L	113				0	0		
	Anthracene	0.4	0.39	ug/L	98				0	0		
	Fluoranthene	0.4	0.45	ug/L	113				0	0		
	Pyrene	0.4	0.46	ug/L	115				0	0		
	Benzo(a)anthracene	0.4	0.37	ug/L	93				0	0		
	Chrysene	0.4	0.43	ug/L	108				0	0		
	Benzo(b)fluoranthene	0.4	0.42	ug/L	105				0	0		
	Benzo(k)fluoranthene	0.4	0.48	ug/L	120				0	0		
	Benzo(a)pyrene	0.4	0.48	ug/L	120				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0.41	ug/L	103				0	0		
	Dibenzo(a,h)anthracene	0.4	0.41	ug/L	103				0	0		
	Benzo(g,h,i)perylene	0.4	0.44	ug/L	110				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM101024

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB163729BS	1,4-Dioxane	2	1.6	ug/L	80				0	0		
	Naphthalene	0.4	0.29	ug/L	73				0	0		
	1-Methylnaphthalene	0.4	0.36	ug/L	90				0	0		
	2-Methylnaphthalene	0.4	0.27	ug/L	68				0	0		
	Acenaphthylene	0.4	0.25	ug/L	63				0	0		
	Acenaphthene	0.4	0.29	ug/L	73				0	0		
	Fluorene	0.4	0.25	ug/L	63				0	0		
	Pentachlorophenol	0.8	0.57	ug/L	71				0	0		
	Phenanthrene	0.4	0.28	ug/L	70				0	0		
	Anthracene	0.4	0.21	ug/L	52				0	0		
	Fluoranthene	0.4	0.3	ug/L	75				0	0		
	Pyrene	0.4	0.3	ug/L	75				0	0		
	Benzo(a)anthracene	0.4	0.23	ug/L	58				0	0		
	Chrysene	0.4	0.29	ug/L	73				0	0		
	Benzo(b)fluoranthene	0.4	0.26	ug/L	65				0	0		
	Benzo(k)fluoranthene	0.4	0.31	ug/L	78				0	0		
	Benzo(a)pyrene	0.4	0.3	ug/L	75				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0.25	ug/L	63				0	0		
	Dibenzo(a,h)anthracene	0.4	0.24	ug/L	60				0	0		
	Benzo(g,h,i)perylene	0.4	0.28	ug/L	70				0	0		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK719

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM101024

SAS No.: BM101024 SDG NO.: BM101024

Lab File ID: BM048004.D

Lab Sample ID: PB163719BL

Instrument ID: BNA_M

Date Extracted: 09/26/2024

Matrix: (soil/water) Water

Date Analyzed: 10/11/2024

Level: (low/med) LOW

Time Analyzed: 08:41

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB163719BS	PB163719BS	BM048003.D	10/11/2024
EY055	P4187-18	BM047990.D	10/10/2024
EY059	P4187-20	BM047991.D	10/10/2024
EY076	P4187-21	BM047992.D	10/10/2024
EY060	P4207-01	BM047993.D	10/11/2024
EY056	P4187-19	BM047995.D	10/11/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK721

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM101024

SAS No.: BM101024 SDG NO.: BM101024

Lab File ID: BM048000.D

Lab Sample ID: PB163721BL

Instrument ID: BNA_M

Date Extracted: 09/26/2024

Matrix: (soil/water) Water

Date Analyzed: 10/11/2024

Level: (low/med) LOW

Time Analyzed: 05:04

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB163721BS	PB163721BS	BM048001.D	10/11/2024
EY068	P4207-06	BM047994.D	10/11/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK727

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM101024

SAS No.: BM101024 SDG NO.: BM101024

Lab File ID: BM047983.D

Lab Sample ID: PB163727BL

Instrument ID: BNA_M

Date Extracted: 09/27/2024

Matrix: (soil/water) Water

Date Analyzed: 10/10/2024

Level: (low/med) LOW

Time Analyzed: 18:11

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB163727BS	PB163727BS	BM047997.D	10/11/2024
EY069	P4207-07	BM047986.D	10/10/2024
EY084	P4207-08	BM047987.D	10/10/2024
EY053	P4207-14	BM047988.D	10/10/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK729

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM101024

SAS No.: BM101024 SDG NO.: BM101024

Lab File ID: BM047982.D

Lab Sample ID: PB163729BL

Instrument ID: BNA_M

Date Extracted: 09/27/2024

Matrix: (soil/water) Water

Date Analyzed: 10/10/2024

Level: (low/med) LOW

Time Analyzed: 17:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB163729BS	PB163729BS	BM048005.D	10/11/2024
EY052MS	P4207-10MS	BM047984.D	10/10/2024
EY052MSD	P4207-11MSD	BM047985.D	10/10/2024
EY052	P4207-09	BM047996.D	10/11/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK767

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM101024

SAS No.: BM101024 SDG NO.: BM101024

Lab File ID: BM047999.D

Lab Sample ID: PB163767BL

Instrument ID: BNA_M

Date Extracted: 09/27/2024

Matrix: (soil/water) Water

Date Analyzed: 10/11/2024

Level: (low/med) LOW

Time Analyzed: 04:27

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EY054	P4207-15	BM047989.D	10/10/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK769

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM101024

SAS No.: BM101024 SDG NO.: BM101024

Lab File ID: BM048002.D

Lab Sample ID: PB163769BL

Instrument ID: BNA_M

Date Extracted: 09/27/2024

Matrix: (soil/water) Water

Date Analyzed: 10/11/2024

Level: (low/med) LOW

Time Analyzed: 07:29

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

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

COMMENTS:

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM101024

Client: _____

Analytical Method: SFAM_SVOASIM

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4207-10MS	Client Sample ID:	EY052MS					DataFile:	BM047984.D		
1,4-Dioxane	2	1.8	2.9	ug/L	55				15	120	
Naphthalene	0.4		0.29	ug/L	73				0	0	
1-Methylnaphthalene	0.4		0.34	ug/L	85				0	0	
2-Methylnaphthalene	0.4		0.29	ug/L	73				0	0	
Acenaphthylene	0.4		0.28	ug/L	70				0	0	
Acenaphthene	0.4		0.31	ug/L	78				46	118	
Fluorene	0.4		0.31	ug/L	78				0	0	
Pentachlorophenol	0.8		1.4	ug/L	175	*			9	103	
Phenanthrene	0.4		0.34	ug/L	85				0	0	
Anthracene	0.4		0.32	ug/L	80				0	0	
Fluoranthene	0.4		0.34	ug/L	85				0	0	
Pyrene	0.4		0.35	ug/L	88				26	127	
Benzo(a)anthracene	0.4		0.3	ug/L	75				0	0	
Chrysene	0.4		0.32	ug/L	80				0	0	
Benzo(b)fluoranthene	0.4		0.34	ug/L	85				0	0	
Benzo(k)fluoranthene	0.4		0.35	ug/L	88				0	0	
Benzo(a)pyrene	0.4		0.36	ug/L	90				0	0	
Indeno(1,2,3-cd)pyrene	0.4		0.32	ug/L	80				0	0	
Dibenzo(a,h)anthracene	0.4		0.32	ug/L	80				0	0	
Benzo(g,h,i)perylene	0.4		0.32	ug/L	80				0	0	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM101024

Client: _____

Analytical Method: SFAM_SVOASIM

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4207-11MSD	Client Sample ID:	EY052MSD					DataFile:	BM047985.D		
1,4-Dioxane	2	1.8	3.1	ug/L	65		17		15	120	50
Naphthalene	0.4		0.31	ug/L	78		7	*	0	0	0
1-Methylnaphthalene	0.4		0.37	ug/L	93		9	*	0	0	0
2-Methylnaphthalene	0.4		0.31	ug/L	78		7	*	0	0	0
Acenaphthylene	0.4		0.3	ug/L	75		7	*	0	0	0
Acenaphthene	0.4		0.33	ug/L	83		6		46	118	31
Fluorene	0.4		0.33	ug/L	83		6	*	0	0	0
Pentachlorophenol	0.8		1.5	ug/L	188	*	7		9	103	50
Phenanthrene	0.4		0.36	ug/L	90		6	*	0	0	0
Anthracene	0.4		0.34	ug/L	85		6	*	0	0	0
Fluoranthene	0.4		0.36	ug/L	90		6	*	0	0	0
Pyrene	0.4		0.36	ug/L	90		2		26	127	31
Benzo(a)anthracene	0.4		0.32	ug/L	80		6	*	0	0	0
Chrysene	0.4		0.34	ug/L	85		6	*	0	0	0
Benzo(b)fluoranthene	0.4		0.36	ug/L	90		6	*	0	0	0
Benzo(k)fluoranthene	0.4		0.37	ug/L	93		6	*	0	0	0
Benzo(a)pyrene	0.4		0.38	ug/L	95		5	*	0	0	0
Indeno(1,2,3-cd)pyrene	0.4		0.33	ug/L	83		4	*	0	0	0
Dibenzo(a,h)anthracene	0.4		0.34	ug/L	85		6	*	0	0	0
Benzo(g,h,i)perylene	0.4		0.34	ug/L	85		6	*	0	0	0

Surrogate Summary

SW-846

SDG No.: **BM101024**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4187-18	EY055	BM047990.D	1,4-Dioxane-d8	8	4.11	51		15	120
			Fluoranthene-d10	0.4	0.34	85		30	130
			2-Methylnaphthalene-d10	0.4	0.27	67		30	130
P4187-19	EY056	BM047995.D	1,4-Dioxane-d8	8	3.70	46		15	120
			Fluoranthene-d10	0.4	0.35	88		30	130
			2-Methylnaphthalene-d10	0.4	0.25	63		30	130
P4187-20	EY059	BM047991.D	1,4-Dioxane-d8	8	4.18	52		15	120
			Fluoranthene-d10	0.4	0.36	90		30	130
			2-Methylnaphthalene-d10	0.4	0.28	70		30	130
P4187-21	EY076	BM047992.D	1,4-Dioxane-d8	8	3.57	45		15	120
			Fluoranthene-d10	0.4	0.28	70		30	130
			2-Methylnaphthalene-d10	0.4	0.26	64		30	130
P4207-01	EY060	BM047993.D	1,4-Dioxane-d8	8	4.32	54		15	120
			Fluoranthene-d10	0.4	0.35	88		30	130
			2-Methylnaphthalene-d10	0.4	0.30	75		30	130
PB163719BL	PB163719BL	BM048004.D	1,4-Dioxane-d8	8	5.34	67		15	120
			Fluoranthene-d10	0.4	0.31	78		30	130
			2-Methylnaphthalene-d10	0.4	0.24	60		30	130
PB163719BS	PB163719BS	BM048003.D	1,4-Dioxane-d8	0.8	0.79	99		15	120
			Fluoranthene-d10	0.4	0.35	88		30	130
			2-Methylnaphthalene-d10	0.4	0.34	84		30	130

Surrogate Summary

SW-846

SDG No.: **BM101024**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4207-06	EY068	BM047994.D	1,4-Dioxane-d8	8	3.89	49		15	120
			Fluoranthene-d10	0.4	0.36	91		30	130
			2-Methylnaphthalene-d10	0.4	0.29	72		30	130
PB163721BL	PB163721BL	BM048000.D	1,4-Dioxane-d8	8	5.55	69		15	120
			Fluoranthene-d10	0.4	0.32	79		30	130
			2-Methylnaphthalene-d10	0.4	0.26	64		30	130
PB163721BS	PB163721BS	BM048001.D	1,4-Dioxane-d8	0.8	0.77	96		15	120
			Fluoranthene-d10	0.4	0.33	82		30	130
			2-Methylnaphthalene-d10	0.4	0.34	84		30	130

Surrogate Summary

SW-846

SDG No.: **BM101024**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4207-07	EY069	BM047986.D	1,4-Dioxane-d8	8	4.01	50		15	120
			Fluoranthene-d10	0.4	0.34	86		30	130
			2-Methylnaphthalene-d10	0.4	0.30	74		30	130
P4207-08	EY084	BM047987.D	1,4-Dioxane-d8	8	3.86	48		15	120
			Fluoranthene-d10	0.4	0.33	83		30	130
			2-Methylnaphthalene-d10	0.4	0.29	71		30	130
P4207-14	EY053	BM047988.D	1,4-Dioxane-d8	8	3.82	48		15	120
			Fluoranthene-d10	0.4	0.36	89		30	130
			2-Methylnaphthalene-d10	0.4	0.25	62		30	130
PB163727BL	PB163727BL	BM047983.D	1,4-Dioxane-d8	8	4.58	57		15	120
			Fluoranthene-d10	0.4	0.23	57		30	130
			2-Methylnaphthalene-d10	0.4	0.25	63		30	130
PB163727BS	PB163727BS	BM047997.D	1,4-Dioxane-d8	0.8	0.94	118		15	120
			Fluoranthene-d10	0.4	0.48	120		30	130
			2-Methylnaphthalene-d10	0.4	0.50	124		30	130

Surrogate Summary

SW-846

SDG No.: **BM101024**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4207-09	EY052	BM047996.D	1,4-Dioxane-d8	8	3.51	44		15	120
			Fluoranthene-d10	0.4	0.34	85		30	130
			2-Methylnaphthalene-d10	0.4	0.21	53		30	130
P4207-10MS	EY052MS	BM047984.D	1,4-Dioxane-d8	0.8	0.24	30		15	120
			Fluoranthene-d10	0.4	0.36	89		30	130
			2-Methylnaphthalene-d10	0.4	0.29	72		30	130
P4207-11MSD	EY052MSD	BM047985.D	1,4-Dioxane-d8	0.8	0.25	32		15	120
			Fluoranthene-d10	0.4	0.37	94		30	130
			2-Methylnaphthalene-d10	0.4	0.30	76		30	130
PB163729BL	PB163729BL	BM047982.D	1,4-Dioxane-d8	8	6.51	81		15	120
			Fluoranthene-d10	0.4	0.33	83		30	130
			2-Methylnaphthalene-d10	0.4	0.36	90		30	130
PB163729BS	PB163729BS	BM048005.D	1,4-Dioxane-d8	0.8	0.69	86		15	120
			Fluoranthene-d10	0.4	0.31	79		30	130
			2-Methylnaphthalene-d10	0.4	0.29	72		30	130

Surrogate Summary

SW-846

SDG No.: BM101024

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4207-15	EY054	BM047989.D	1,4-Dioxane-d8	8	4.51	56		15	120
			Fluoranthene-d10	0.4	0.38	94		30	130
			2-Methylnaphthalene-d10	0.4	0.30	75		30	130
PB163767BL	PB163767BL	BM047999.D	1,4-Dioxane-d8	8	4.81	60		15	120
			Fluoranthene-d10	0.4	0.30	76		30	130
			2-Methylnaphthalene-d10	0.4	0.23	58		30	130

Surrogate Summary

SW-846

SDG No.: BM101024

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB163769BL	PB163769BL	BM048002.D	1,4-Dioxane-d8	8	5.44	68		15	120
			Fluoranthene-d10	0.4	0.35	88		30	130
			2-Methylnaphthalene-d10	0.4	0.26	65		30	130

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM101024

Lab Code: CHEM

SAS No.: BM101024 SDG NO.: BM101024

Lab File ID: BM047980.D

DFTPP Injection Date: 10/10/2024

Instrument ID: BNA_M

DFTPP Injection Time: 16:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.8
68	Less than 2.0% of mass 69	0.5 (1.4) 1
69	Mass 69 relative abundance	31.5
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	43.4
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	13.9
442	Greater than 50% of mass 198	88.1
443	15.0 - 24.0% of mass 442	17.2 (19.5) 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
SSTD0.4059	SSTDCCC0.4	BM047981.D	10/10/2024	16:59
SBLK729	PB163729BL	BM047982.D	10/10/2024	17:35
SBLK727	PB163727BL	BM047983.D	10/10/2024	18:11
EY052MS	P4207-10MS	BM047984.D	10/10/2024	18:48
EY052MSD	P4207-11MSD	BM047985.D	10/10/2024	19:24
EY069	P4207-07	BM047986.D	10/10/2024	20:00
EY084	P4207-08	BM047987.D	10/10/2024	20:36
EY053	P4207-14	BM047988.D	10/10/2024	21:12
EY054	P4207-15	BM047989.D	10/10/2024	21:49
EY055	P4187-18	BM047990.D	10/10/2024	22:25
EY059	P4187-20	BM047991.D	10/10/2024	23:01
EY076	P4187-21	BM047992.D	10/10/2024	23:37
EY060	P4207-01	BM047993.D	10/11/2024	00:13
EY068	P4207-06	BM047994.D	10/11/2024	00:50
EY056	P4187-19	BM047995.D	10/11/2024	01:26
EY052	P4207-09	BM047996.D	10/11/2024	02:02
SLCS727	PB163727BS	BM047997.D	10/11/2024	02:38
SSTD0.4060	SSTDCCC0.4	BM047998.D	10/11/2024	03:51

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM101024

Lab Code: CHEM

SAS No.: BM101024 SDG NO.: BM101024

Lab File ID: BM047980.D

DFTPP Injection Date: 10/10/2024

Instrument ID: BNA_M

DFTPP Injection Time: 16:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.8
68	Less than 2.0% of mass 69	0.5 (1.4) 1
69	Mass 69 relative abundance	31.5
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	43.4
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	13.9
442	Greater than 50% of mass 198	88.1
443	15.0 - 24.0% of mass 442	17.2 (19.5) 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
SBLK767	PB163767BL	BM047999.D	10/11/2024	04:27
SBLK721	PB163721BL	BM048000.D	10/11/2024	05:04
SLCS721	PB163721BS	BM048001.D	10/11/2024	06:16
SBLK769	PB163769BL	BM048002.D	10/11/2024	07:29
SLCS719	PB163719BS	BM048003.D	10/11/2024	08:05
SBLK719	PB163719BL	BM048004.D	10/11/2024	08:41
SLCS729	PB163729BS	BM048005.D	10/11/2024	09:18