

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM071124 SAS No.: BM071124 SDG No.: BM071124

Instrument ID: BNA_M Calibration Date/Time: 7/11/2024 1:09:14

Lab File ID: BM046508.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4160 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.351	0.386	0.010	9.9667	40.0
1,4-Dioxane-d8	0.329	0.346	0.010	5.3515	40.0
Naphthalene	1.018	1.034	0.600	1.5759	30.0
1-Methylnaphthalene	0.730	0.751	0.300	2.9856	30.0
2-Methylnaphthalene	0.715	0.723	0.300	1.0738	30.0
Acenaphthylene	1.821	1.818	0.900	-0.1605	30.0
Acenaphthene	1.220	1.238	0.500	1.4902	30.0
Fluorene	1.509	1.544	0.700	2.3186	30.0
Pentachlorophenol	0.203	0.177	0.010	-12.7219	50.0
Phenanthrene	1.141	1.117	0.300	-2.179	30.0
Anthracene	1.114	1.075	0.400	-3.5179	30.0
Fluoranthene	1.643	1.570	0.400	-4.4385	30.0
Pyrene	1.779	1.616	0.500	-9.129	30.0
Benzo (a) anthracene	1.770	1.664	0.400	-5.9592	30.0
Chrysene	1.712	1.651	0.400	-3.5823	30.0
Benzo (b) fluoranthene	1.598	1.582	0.200	-0.9964	30.0
Benzo (k) fluoranthene	1.569	1.557	0.200	-0.7281	30.0
Benzo (a) pyrene	1.315	1.291	0.200	-1.84	30.0
Indeno (1,2,3-cd) pyrene	2.001	2.038	0.200	1.8592	30.0
Dibenzo (a,h) anthracene	1.584	1.602	0.200	1.1444	30.0
Benzo (g,h,i) perylene	1.597	1.642	0.200	2.8324	30.0
Fluoranthene-d10	1.217	1.172	0.400	-3.7187	30.0
2-Methylnaphthalene-d10	0.645	0.654	0.300	1.3984	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.: BM071124 SAS No.: BM071124 SDG No.: BM071124
Instrument ID: BNA_M Calibration Date/Time: 7/11/2024 1:20:20
Lab File ID: BM046525.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD0.4161 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.351	0.363	0.010	3.5717	40.0
1,4-Dioxane-d8	0.329	0.362	0.010	10.1295	40.0
Naphthalene	1.018	1.030	0.600	1.1927	30.0
1-Methylnaphthalene	0.730	0.781	0.300	7.1042	30.0
2-Methylnaphthalene	0.715	0.738	0.300	3.2307	30.0
Acenaphthylene	1.821	1.874	0.900	2.8892	30.0
Acenaphthene	1.220	1.283	0.500	5.197	30.0
Fluorene	1.509	1.527	0.700	1.1839	30.0
Pentachlorophenol	0.203	0.150	0.010	-25.9514	50.0
Phenanthrene	1.141	1.147	0.300	0.482	30.0
Anthracene	1.114	1.118	0.400	0.3384	30.0
Fluoranthene	1.643	1.660	0.400	1.0423	30.0
Pyrene	1.779	1.720	0.500	-3.3269	30.0
Benzo (a) anthracene	1.770	1.678	0.400	-5.175	30.0
Chrysene	1.712	1.628	0.400	-4.9306	30.0
Benzo (b) fluoranthene	1.598	1.491	0.200	-6.6797	30.0
Benzo (k) fluoranthene	1.569	1.465	0.200	-6.6028	30.0
Benzo (a) pyrene	1.315	1.412	0.200	7.3962	30.0
Indeno (1,2,3-cd) pyrene	2.001	1.945	0.200	-2.8156	30.0
Dibenzo (a,h) anthracene	1.584	1.560	0.200	-1.5357	30.0
Benzo (g,h,i) perylene	1.597	1.615	0.200	1.1242	30.0
Fluoranthene-d10	1.217	1.239	0.400	1.7886	30.0
2-Methylnaphthalene-d10	0.645	0.668	0.300	3.6366	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.: BM071124 SAS No.: BM071124 SDG No.: BM071124

Instrument ID: BNA_M Calibration Date/Time: 7/12/2024 1:04:18

Lab File ID: BM046537.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4162 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.351	0.368	0.010	4.9796	50.0
1,4-Dioxane-d8	0.329	0.334	0.010	1.5587	50.0
Naphthalene	1.018	1.027	0.600	0.9157	50.0
1-Methylnaphthalene	0.730	0.762	0.300	4.4677	50.0
2-Methylnaphthalene	0.715	0.732	0.300	2.3317	50.0
Acenaphthylene	1.821	1.840	0.900	1.0744	50.0
Acenaphthene	1.220	1.251	0.500	2.5238	50.0
Fluorene	1.509	1.544	0.700	2.2822	50.0
Pentachlorophenol	0.203	0.140	0.010	-31.0482	50.0
Phenanthrene	1.141	1.113	0.300	-2.4496	50.0
Anthracene	1.114	1.088	0.400	-2.3287	50.0
Fluoranthene	1.643	1.618	0.400	-1.5017	50.0
Pyrene	1.779	1.659	0.500	-6.72	50.0
Benzo (a) anthracene	1.770	1.677	0.400	-5.2197	50.0
Chrysene	1.712	1.614	0.400	-5.7164	50.0
Benzo (b) fluoranthene	1.598	1.515	0.200	-5.1827	50.0
Benzo (k) fluoranthene	1.569	1.517	0.200	-3.2927	50.0
Benzo (a) pyrene	1.315	1.412	0.200	7.3686	50.0
Indeno (1,2,3-cd) pyrene	2.001	1.983	0.200	-0.8849	50.0
Dibenzo (a,h) anthracene	1.584	1.602	0.200	1.1112	50.0
Benzo (g,h,i) perylene	1.597	1.656	0.200	3.7428	50.0
Fluoranthene-d10	1.217	1.188	0.400	-2.4153	50.0
2-Methylnaphthalene-d10	0.645	0.676	0.300	4.7738	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	SBLK731	SDG No.:	BM071124
Lab Sample ID:	PB161731BL	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
BM046509.D	1	6/25/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161731

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	4.894		15-120		61	SPK: -8
93951-69-0	Fluoranthene-d10	0.252		30-130		63	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.255		30-130		64	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1581		7.518			
1146-65-2	Naphthalene-d8	3976		10.277			
15067-26-2	Acenaphthene-d10	2926		14.16			

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	SBLK731	SDG No.:	BM071124
Lab Sample ID:	PB161731BL	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
BM046509.D	1	6/25/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161731

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	6521	16.909				
1719-03-5	Chrysene-d12	5462	21.116				
1520-96-3	Perylene-d12	6498	23.262				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	SBLK755	SDG No.:	BM071124
Lab Sample ID:	PB161755BL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BM046510.D	1	6/26/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161755

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.89	U	0.89	0	6.7	ug/Kg
91-20-3	Naphthalene	0.2	U	0.2	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	0.52	U	0.52	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	0.19	U	0.19	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	0.33	U	0.33	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	0.18	U	0.18	0.83	3.3	ug/Kg
86-73-7	Fluorene	0.22	U	0.22	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	2	U	2	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	0.18	U	0.18	0.83	3.3	ug/Kg
120-12-7	Anthracene	0.17	U	0.17	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	0.18	U	0.18	0.83	3.3	ug/Kg
129-00-0	Pyrene	0.24	U	0.24	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	0.09	U	0.09	0.83	3.3	ug/Kg
218-01-9	Chrysene	0.25	U	0.25	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.47	U	0.47	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.32	U	0.32	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	0.32	U	0.32	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.52	U	0.52	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.47	U	0.47	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.75	U	0.75	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.707		15-120		59	SPK: -8
93951-69-0	Fluoranthene-d10	0.271		30-130		68	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.262		20-140		65	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1825		7.514			
1146-65-2	Naphthalene-d8	4453		10.275			
15067-26-2	Acenaphthene-d10	3107		14.158			

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	SBLK755	SDG No.:	BM071124
Lab Sample ID:	PB161755BL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BM046510.D	1	6/26/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161755

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	7018	16.912				
1719-03-5	Chrysene-d12	5886	21.117				
1520-96-3	Perylene-d12	6954	23.262				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/21/2024 12:00:00 AM
Project:		Date Received:	6/21/2024 12:00:00 AM
Client Sample ID:	E1GM5	SDG No.:	BM071124
Lab Sample ID:	P3059-03	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
BM046511.D	1	6/25/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161731

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	5.19		15-120		65	SPK: -8
93951-69-0	Fluoranthene-d10	0.361		30-130		90	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.333		30-130		83	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1412		7.518			
1146-65-2	Naphthalene-d8	3735		10.277			
15067-26-2	Acenaphthene-d10	2697		14.16			

Report of Analysis

Client:		Date Collected:	6/21/2024 12:00:00 AM
Project:		Date Received:	6/21/2024 12:00:00 AM
Client Sample ID:	E1GM5	SDG No.:	BM071124
Lab Sample ID:	P3059-03	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
BM046511.D	1	6/25/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161731

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	6099	16.909				
1719-03-5	Chrysene-d12	5367	21.117				
1520-96-3	Perylene-d12	6061	23.262				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	6/21/2024 12:00:00 AM
Project:		Date Received:	6/21/2024 12:00:00 AM
Client Sample ID:	E1GM5MS	SDG No.:	BM071124
Lab Sample ID:	P3059-04MS	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
BM046512.D	1	6/25/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161731

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.86		0.03	0	0.2	ug/L
91-20-3	Naphthalene	0.37		0	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.37		0.02	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.37		0.01	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.36		0.01	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.39		0.01	0.05	0.1	ug/L
86-73-7	Fluorene	0.62		0.01	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.68		0.06	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.39		0.01	0.05	0.1	ug/L
120-12-7	Anthracene	0.37		0.01	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.4		0.01	0.05	0.1	ug/L
129-00-0	Pyrene	0.38		0.01	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.38		0	0.05	0.1	ug/L
218-01-9	Chrysene	0.39		0.01	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.38		0.01	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.38		0.01	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.41		0.02	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.44		0.02	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.44		0.01	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.46		0.02	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.279		15-120		35	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.416		30-130		104	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	1784		7.518			
1146-65-2	Naphthalene-d8	4453		10.275			
15067-26-2	Acenaphthene-d10	2936		14.159			

Report of Analysis

Client:		Date Collected:	6/21/2024 12:00:00 AM
Project:		Date Received:	6/21/2024 12:00:00 AM
Client Sample ID:	E1GM5MS	SDG No.:	BM071124
Lab Sample ID:	P3059-04MS	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
BM046512.D	1	6/25/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161731

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	6662	16.912				
1719-03-5	Chrysene-d12	5719	21.117				
1520-96-3	Perylene-d12	7624	23.262				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.03	U			99	ug/L

Report of Analysis

Client:		Date Collected:	6/21/2024 12:00:00 AM
Project:		Date Received:	6/21/2024 12:00:00 AM
Client Sample ID:	E1GM5MSD	SDG No.:	BM071124
Lab Sample ID:	P3059-05MSD	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
BM046513.D	1	6/25/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161731

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.68		0.03	0	0.2	ug/L
91-20-3	Naphthalene	0.33		0	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.32		0.02	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.33		0.01	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.33		0.01	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.36		0.01	0.05	0.1	ug/L
86-73-7	Fluorene	0.53		0.01	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.59		0.06	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.36		0.01	0.05	0.1	ug/L
120-12-7	Anthracene	0.33		0.01	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.37		0.01	0.05	0.1	ug/L
129-00-0	Pyrene	0.37		0.01	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.35		0	0.05	0.1	ug/L
218-01-9	Chrysene	0.36		0.01	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.35		0.01	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.36		0.01	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.38		0.02	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.38		0.02	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.37		0.01	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.38		0.02	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.273	*	15-120		3	SPK: -8
93951-69-0	Fluoranthene-d10	0.391		30-130		98	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.312		30-130		78	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2786		7.518			
1146-65-2	Naphthalene-d8	7145		10.275			
15067-26-2	Acenaphthene-d10	4424		14.158			

Report of Analysis

Client:		Date Collected:	6/21/2024 12:00:00 AM
Project:		Date Received:	6/21/2024 12:00:00 AM
Client Sample ID:	E1GM5MSD	SDG No.:	BM071124
Lab Sample ID:	P3059-05MSD	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
BM046513.D	1	6/25/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161731

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9729	16.912				
1719-03-5	Chrysene-d12	7926	21.117				
1520-96-3	Perylene-d12	9519	23.262				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.03	U			99	ug/L

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	H0HC4	SDG No.:	BM071124
Lab Sample ID:	P3109-06	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046514.D	1	6/27/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161826

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	0.07	J	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.19		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	0.03	J	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	4.67		15-120		58	SPK: -8
93951-69-0	Fluoranthene-d10	0.403		30-130		101	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.32		30-130		80	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2831		7.514			
1146-65-2	Naphthalene-d8	7553		10.275			
15067-26-2	Acenaphthene-d10	10989		14.154			

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	H0HC4	SDG No.:	BM071124
Lab Sample ID:	P3109-06	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046514.D	1	6/27/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12454	16.912				
1719-03-5	Chrysene-d12	9283	21.12				
1520-96-3	Perylene-d12	8566	23.262				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	6/21/2024 12:00:00 AM
Project:		Date Received:	6/21/2024 12:00:00 AM
Client Sample ID:	E1GM5MSD	SDG No.:	BM071124
Lab Sample ID:	P3059-05MSD	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
BM046515.D	1	6/25/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161731

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.77		0.03	0	0.2	ug/L
91-20-3	Naphthalene	0.37		0	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.36		0.02	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.36		0.01	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.36		0.01	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.39		0.01	0.05	0.1	ug/L
86-73-7	Fluorene	0.5		0.01	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.62		0.06	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.4		0.01	0.05	0.1	ug/L
120-12-7	Anthracene	0.37		0.01	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.42		0.01	0.05	0.1	ug/L
129-00-0	Pyrene	0.41		0.01	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.39		0	0.05	0.1	ug/L
218-01-9	Chrysene	0.39		0.01	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.38		0.01	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.4		0.01	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.42		0.02	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.42		0.02	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.42		0.01	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.42		0.02	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.292		15-120		36	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.437		30-130		109	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.35		30-130		88	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2389		7.514			
1146-65-2	Naphthalene-d8	6138		10.277			
15067-26-2	Acenaphthene-d10	3896		14.16			

Report of Analysis

Client:		Date Collected:	6/21/2024 12:00:00 AM
Project:		Date Received:	6/21/2024 12:00:00 AM
Client Sample ID:	E1GM5MSD	SDG No.:	BM071124
Lab Sample ID:	P3059-05MSD	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
BM046515.D	1	6/25/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161731

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	8306	16.909				
1719-03-5	Chrysene-d12	6593	21.116				
1520-96-3	Perylene-d12	7943	23.261				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.03	U			99	ug/L

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	H0HC4MS	SDG No.:	BM071124
Lab Sample ID:	P3109-07MS	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
BM046516.D	1	6/27/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.6		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.41		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.54		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.36		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.14		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.18		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.24		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.7		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.38		0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.37		0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.41		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.4		0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.38		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.37		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.38		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.39		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.41		0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.34		0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.33		0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.33		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.242		15-120		30	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.429		30-130		107	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.323		30-130		81	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3154	7.514				
1146-65-2	Naphthalene-d8	8645	10.277				
15067-26-2	Acenaphthene-d10	14729	14.155				

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	H0HC4MS	SDG No.:	BM071124
Lab Sample ID:	P3109-07MS	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
BM046516.D	1	6/27/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	14445	16.909				
1719-03-5	Chrysene-d12	11727	21.119				
1520-96-3	Perylene-d12	12210	23.262				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	H0HC4MSD	SDG No.:	BM071124
Lab Sample ID:	P3109-08MSD	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
BM046517.D	1	6/27/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.61		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.39		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.52		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.35		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.14		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.17		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.22		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.66		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	0.36		0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.39		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.38		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	0.36		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.38		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	0.4		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	0.31		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.241		15-120		30	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.409		30-130		102	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.323		30-130		81	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3243	7.514				
1146-65-2	Naphthalene-d8	8896	10.277				
15067-26-2	Acenaphthene-d10	15229	14.155				

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	H0HC4MSD	SDG No.:	BM071124
Lab Sample ID:	P3109-08MSD	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
BM046517.D	1	6/27/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	15691	16.913				
1719-03-5	Chrysene-d12	13119	21.116				
1520-96-3	Perylene-d12	13548	23.264				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	A4CX5	SDG No.:	BM071124
Lab Sample ID:	P3035-17	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	12.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BM046518.D	1	6/26/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161755

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1	U	1	0	7.6	ug/Kg
91-20-3	Naphthalene	0.23	U	0.23	0.94	3.8	ug/Kg
90-12-0	1-Methylnaphthalene	0.59	U	0.59	0.94	3.8	ug/Kg
91-57-6	2-Methylnaphthalene	0.22	U	0.22	0.94	3.8	ug/Kg
208-96-8	Acenaphthylene	0.38	U	0.38	0.94	3.8	ug/Kg
83-32-9	Acenaphthene	0.21	U	0.21	0.94	3.8	ug/Kg
86-73-7	Fluorene	0.25	U	0.25	0.94	3.8	ug/Kg
87-86-5	Pentachlorophenol	2.3	U	2.3	1.9	7.6	ug/Kg
85-01-8	Phenanthrene	3.4	J	0.21	0.94	3.8	ug/Kg
120-12-7	Anthracene	0.19	U	0.19	0.94	3.8	ug/Kg
206-44-0	Fluoranthene	8.8		0.21	0.94	3.8	ug/Kg
129-00-0	Pyrene	6.6		0.27	0.94	3.8	ug/Kg
56-55-3	Benzo(a)anthracene	3.2	J	0.11	0.94	3.8	ug/Kg
218-01-9	Chrysene	4.3		0.28	0.94	3.8	ug/Kg
205-99-2	Benzo(b)fluoranthene	6.6		0.54	0.94	3.8	ug/Kg
207-08-9	Benzo(k)fluoranthene	2.2	J	0.36	0.94	3.8	ug/Kg
50-32-8	Benzo(a)pyrene	4.3		0.36	0.94	3.8	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2.7	J	0.59	0.94	3.8	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.87	J	0.54	0.94	3.8	ug/Kg
191-24-2	Benzo(g,h,i)perylene	3.4	J	0.85	0.94	3.8	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.81		15-120		35	SPK: -8
93951-69-0	Fluoranthene-d10	0.223		30-130		56	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.209		20-140		52	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2967		7.514			
1146-65-2	Naphthalene-d8	7937		10.275			
15067-26-2	Acenaphthene-d10	5260		14.158			

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	A4CX5	SDG No.:	BM071124
Lab Sample ID:	P3035-17	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	12.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BM046518.D	1	6/26/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161755

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11693	16.908				
1719-03-5	Chrysene-d12	9961	21.12				
1520-96-3	Perylene-d12	10380	23.265				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	A4CD0	SDG No.:	BM071124
Lab Sample ID:	P3035-25	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.7
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BM046519.D	1	6/26/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161755

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	7.9	ug/Kg
91-20-3	Naphthalene	0.24	U	0.24	0.98	3.9	ug/Kg
90-12-0	1-Methylnaphthalene	0.61	U	0.61	0.98	3.9	ug/Kg
91-57-6	2-Methylnaphthalene	0.22	U	0.22	0.98	3.9	ug/Kg
208-96-8	Acenaphthylene	0.39	U	0.39	0.98	3.9	ug/Kg
83-32-9	Acenaphthene	0.21	U	0.21	0.98	3.9	ug/Kg
86-73-7	Fluorene	0.26	U	0.26	0.98	3.9	ug/Kg
87-86-5	Pentachlorophenol	2.4	U	2.4	2	7.9	ug/Kg
85-01-8	Phenanthrene	6.1		0.21	0.98	3.9	ug/Kg
120-12-7	Anthracene	1.2	J	0.2	0.98	3.9	ug/Kg
206-44-0	Fluoranthene	15		0.21	0.98	3.9	ug/Kg
129-00-0	Pyrene	11		0.28	0.98	3.9	ug/Kg
56-55-3	Benzo(a)anthracene	6		0.11	0.98	3.9	ug/Kg
218-01-9	Chrysene	7.4		0.3	0.98	3.9	ug/Kg
205-99-2	Benzo(b)fluoranthene	11		0.56	0.98	3.9	ug/Kg
207-08-9	Benzo(k)fluoranthene	3.9		0.38	0.98	3.9	ug/Kg
50-32-8	Benzo(a)pyrene	7.9		0.38	0.98	3.9	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	5		0.61	0.98	3.9	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.5	J	0.56	0.98	3.9	ug/Kg
191-24-2	Benzo(g,h,i)perylene	6.3		0.89	0.98	3.9	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.903		15-120		36	SPK: -8
93951-69-0	Fluoranthene-d10	0.252		30-130		63	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.215		20-140		54	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2771		7.514			
1146-65-2	Naphthalene-d8	7332		10.277			
15067-26-2	Acenaphthene-d10	4787		14.16			

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	A4CD0	SDG No.:	BM071124
Lab Sample ID:	P3035-25	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.7
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BM046519.D	1	6/26/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161755

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	10551	16.909				
1719-03-5	Chrysene-d12	8598	21.117				
1520-96-3	Perylene-d12	9352	23.262				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	A4B97	SDG No.:	BM071124
Lab Sample ID:	P3035-19	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	14.1
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			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
BM046520.D	1	6/26/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161755

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1	U	1	0	7.8	ug/Kg
91-20-3	Naphthalene	2	J	0.23	0.96	3.8	ug/Kg
90-12-0	1-Methylnaphthalene	0.6	U	0.6	0.96	3.8	ug/Kg
91-57-6	2-Methylnaphthalene	0.93	J	0.22	0.96	3.8	ug/Kg
208-96-8	Acenaphthylene	3.4	J	0.38	0.96	3.8	ug/Kg
83-32-9	Acenaphthene	2.3	J	0.21	0.96	3.8	ug/Kg
86-73-7	Fluorene	2.4	J	0.26	0.96	3.8	ug/Kg
87-86-5	Pentachlorophenol	2.3	U	2.3	1.9	7.8	ug/Kg
85-01-8	Phenanthrene	27		0.21	0.96	3.8	ug/Kg
120-12-7	Anthracene	6.1		0.2	0.96	3.8	ug/Kg
206-44-0	Fluoranthene	43		0.21	0.96	3.8	ug/Kg
129-00-0	Pyrene	37		0.28	0.96	3.8	ug/Kg
56-55-3	Benzo(a)anthracene	20		0.11	0.96	3.8	ug/Kg
218-01-9	Chrysene	21		0.29	0.96	3.8	ug/Kg
205-99-2	Benzo(b)fluoranthene	30		0.55	0.96	3.8	ug/Kg
207-08-9	Benzo(k)fluoranthene	10		0.37	0.96	3.8	ug/Kg
50-32-8	Benzo(a)pyrene	26		0.37	0.96	3.8	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	14		0.6	0.96	3.8	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	4.1		0.55	0.96	3.8	ug/Kg
191-24-2	Benzo(g,h,i)perylene	18		0.87	0.96	3.8	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.512		15-120		31	SPK: -8
93951-69-0	Fluoranthene-d10	0.196		30-130		49	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.18		20-140		45	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2565		7.514			
1146-65-2	Naphthalene-d8	6540		10.275			
15067-26-2	Acenaphthene-d10	4403		14.159			

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	A4B97	SDG No.:	BM071124
Lab Sample ID:	P3035-19	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	14.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BM046520.D	1	6/26/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161755

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9531	16.908				
1719-03-5	Chrysene-d12	8318	21.117				
1520-96-3	Perylene-d12	9625	23.262				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	A4CC9	SDG No.:	BM071124
Lab Sample ID:	P3035-24	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.2
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BM046521.D	1	6/26/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161755

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	8.5	ug/Kg
91-20-3	Naphthalene	0.25	U	0.25	1	4.2	ug/Kg
90-12-0	1-Methylnaphthalene	0.66	U	0.66	1	4.2	ug/Kg
91-57-6	2-Methylnaphthalene	0.24	U	0.24	1	4.2	ug/Kg
208-96-8	Acenaphthylene	1.5	J	0.42	1	4.2	ug/Kg
83-32-9	Acenaphthene	1.5	J	0.23	1	4.2	ug/Kg
86-73-7	Fluorene	1.7	J	0.28	1	4.2	ug/Kg
87-86-5	Pentachlorophenol	2.5	U	2.5	2.1	8.5	ug/Kg
85-01-8	Phenanthrene	23		0.23	1	4.2	ug/Kg
120-12-7	Anthracene	5.3		0.22	1	4.2	ug/Kg
206-44-0	Fluoranthene	47		0.23	1	4.2	ug/Kg
129-00-0	Pyrene	36		0.3	1	4.2	ug/Kg
56-55-3	Benzo(a)anthracene	19		0.12	1	4.2	ug/Kg
218-01-9	Chrysene	21		0.32	1	4.2	ug/Kg
205-99-2	Benzo(b)fluoranthene	30		0.6	1	4.2	ug/Kg
207-08-9	Benzo(k)fluoranthene	10		0.41	1	4.2	ug/Kg
50-32-8	Benzo(a)pyrene	22		0.41	1	4.2	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	12		0.66	1	4.2	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	3.6	J	0.6	1	4.2	ug/Kg
191-24-2	Benzo(g,h,i)perylene	15		0.95	1	4.2	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.412		15-120		30	SPK: -8
93951-69-0	Fluoranthene-d10	0.186		30-130		47	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.167		20-140		42	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3668		7.518			
1146-65-2	Naphthalene-d8	9673		10.277			
15067-26-2	Acenaphthene-d10	6273		14.16			

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	A4CC9	SDG No.:	BM071124
Lab Sample ID:	P3035-24	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.2
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BM046521.D	1	6/26/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161755

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	13822	16.909				
1719-03-5	Chrysene-d12	11438	21.117				
1520-96-3	Perylene-d12	12365	23.264				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	A4CC4	SDG No.:	BM071124
Lab Sample ID:	P3035-23	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.6
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BM046522.D	1	6/26/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161755

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.97	U	0.97	0	7.3	ug/Kg
91-20-3	Naphthalene	0.22	U	0.22	0.9	3.6	ug/Kg
90-12-0	1-Methylnaphthalene	0.57	U	0.57	0.9	3.6	ug/Kg
91-57-6	2-Methylnaphthalene	0.21	U	0.21	0.9	3.6	ug/Kg
208-96-8	Acenaphthylene	2.2	J	0.36	0.9	3.6	ug/Kg
83-32-9	Acenaphthene	0.2	U	0.2	0.9	3.6	ug/Kg
86-73-7	Fluorene	0.24	U	0.24	0.9	3.6	ug/Kg
87-86-5	Pentachlorophenol	2.2	U	2.2	1.8	7.3	ug/Kg
85-01-8	Phenanthrene	7		0.2	0.9	3.6	ug/Kg
120-12-7	Anthracene	1.9	J	0.19	0.9	3.6	ug/Kg
206-44-0	Fluoranthene	18		0.2	0.9	3.6	ug/Kg
129-00-0	Pyrene	16		0.26	0.9	3.6	ug/Kg
56-55-3	Benzo(a)anthracene	9.4		0.1	0.9	3.6	ug/Kg
218-01-9	Chrysene	9.8		0.27	0.9	3.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	14		0.51	0.9	3.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	4.3		0.35	0.9	3.6	ug/Kg
50-32-8	Benzo(a)pyrene	11		0.35	0.9	3.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	5.9		0.57	0.9	3.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.8	J	0.51	0.9	3.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	7.2		0.82	0.9	3.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.817		15-120		35	SPK: -8
93951-69-0	Fluoranthene-d10	0.221		30-130		55	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.198		20-140		50	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2512		7.514			
1146-65-2	Naphthalene-d8	6574		10.277			
15067-26-2	Acenaphthene-d10	4465		14.16			

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	A4CC4	SDG No.:	BM071124
Lab Sample ID:	P3035-23	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.6
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BM046522.D	1	6/26/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161755

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9726	16.909				
1719-03-5	Chrysene-d12	7957	21.117				
1520-96-3	Perylene-d12	9271	23.259				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.97	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	A4CX8	SDG No.:	BM071124
Lab Sample ID:	P3035-10	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	18.6
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			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
BM046523.D	1	6/26/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161755

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	8.2	ug/Kg
91-20-3	Naphthalene	0.24	U	0.24	1	4	ug/Kg
90-12-0	1-Methylnaphthalene	0.64	U	0.64	1	4	ug/Kg
91-57-6	2-Methylnaphthalene	0.23	U	0.23	1	4	ug/Kg
208-96-8	Acenaphthylene	0.4	U	0.4	1	4	ug/Kg
83-32-9	Acenaphthene	0.22	U	0.22	1	4	ug/Kg
86-73-7	Fluorene	0.27	U	0.27	1	4	ug/Kg
87-86-5	Pentachlorophenol	2.4	U	2.4	2.1	8.2	ug/Kg
85-01-8	Phenanthrene	8.3		0.22	1	4	ug/Kg
120-12-7	Anthracene	1.8	J	0.21	1	4	ug/Kg
206-44-0	Fluoranthene	15		0.22	1	4	ug/Kg
129-00-0	Pyrene	14		0.29	1	4	ug/Kg
56-55-3	Benzo(a)anthracene	7		0.11	1	4	ug/Kg
218-01-9	Chrysene	7.8		0.31	1	4	ug/Kg
205-99-2	Benzo(b)fluoranthene	11		0.58	1	4	ug/Kg
207-08-9	Benzo(k)fluoranthene	4.1		0.39	1	4	ug/Kg
50-32-8	Benzo(a)pyrene	8.9		0.39	1	4	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	5.1		0.64	1	4	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.6	J	0.58	1	4	ug/Kg
191-24-2	Benzo(g,h,i)perylene	6.5		0.92	1	4	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.021		15-120		25	SPK: -8
93951-69-0	Fluoranthene-d10	0.186		30-130		47	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.169		20-140		42	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2770		7.514			
1146-65-2	Naphthalene-d8	7432		10.276			
15067-26-2	Acenaphthene-d10	5016		14.159			

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	A4CX8	SDG No.:	BM071124
Lab Sample ID:	P3035-10	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	18.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BM046523.D	1	6/26/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161755

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11080	16.908				
1719-03-5	Chrysene-d12	9641	21.114				
1520-96-3	Perylene-d12	10721	23.259				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	SLCS731	SDG No.:	BM071124
Lab Sample ID:	PB161731BS	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
BM046524.D	1	6/25/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161731

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.5		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	0.32		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.33		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.31		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	0.31		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.5		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.31		0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.31		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	0.33		0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.31		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	0.32		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.32		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.35		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	0.31		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	0.613		15-120		77	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.367		30-130		92	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.339		30-130		85	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2404	7.514				
1146-65-2	Naphthalene-d8	6014	10.275				
15067-26-2	Acenaphthene-d10	3832	14.158				

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	SLCS731	SDG No.:	BM071124
Lab Sample ID:	PB161731BS	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
BM046524.D	1	6/25/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161731

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	8061	16.908				
1719-03-5	Chrysene-d12	6192	21.114				
1520-96-3	Perylene-d12	7188	23.256				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	SBLK917	SDG No.:	BM071124
Lab Sample ID:	PB161917BL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BM046526.D	1	7/3/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.89	U	0.89	0	6.7	ug/Kg
91-20-3	Naphthalene	0.2	U	0.2	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	0.52	U	0.52	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	0.19	U	0.19	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	0.33	U	0.33	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	0.18	U	0.18	0.83	3.3	ug/Kg
86-73-7	Fluorene	0.22	U	0.22	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	2	U	2	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	0.18	U	0.18	0.83	3.3	ug/Kg
120-12-7	Anthracene	0.17	U	0.17	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	0.18	U	0.18	0.83	3.3	ug/Kg
129-00-0	Pyrene	0.24	U	0.24	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	0.09	U	0.09	0.83	3.3	ug/Kg
218-01-9	Chrysene	0.25	U	0.25	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.47	U	0.47	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.32	U	0.32	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	0.32	U	0.32	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.52	U	0.52	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.47	U	0.47	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.75	U	0.75	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.826		15-120		60	SPK: -8
93951-69-0	Fluoranthene-d10	0.259		30-130		65	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.258		20-140		64	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1886		7.514			
1146-65-2	Naphthalene-d8	4933		10.277			
15067-26-2	Acenaphthene-d10	3635		14.16			

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	SBLK917	SDG No.:	BM071124
Lab Sample ID:	PB161917BL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BM046526.D	1	7/3/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161917

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	7927	16.909				
1719-03-5	Chrysene-d12	6681	21.114				
1520-96-3	Perylene-d12	8164	23.256				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	SBLK826	SDG No.:	BM071124
Lab Sample ID:	PB161826BL	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
BM046527.D	1	6/27/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161826

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	5.173		15-120		65	SPK: -8
93951-69-0	Fluoranthene-d10	0.283		30-130		71	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.273		30-130		68	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1906		7.514			
1146-65-2	Naphthalene-d8	4969		10.271			
15067-26-2	Acenaphthene-d10	3547		14.155			

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	SBLK826	SDG No.:	BM071124
Lab Sample ID:	PB161826BL	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
BM046527.D	1	6/27/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	7624	16.909				
1719-03-5	Chrysene-d12	6166	21.111				
1520-96-3	Perylene-d12	7352	23.256				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	6/28/2024 12:00:00 AM
Project:		Date Received:	6/28/2024 12:00:00 AM
Client Sample ID:	SLCS864	SDG No.:	BM071124
Lab Sample ID:	PB161864BS	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
BM046528.D	1	6/28/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161864

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.25		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.25		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.26		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.24		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.26		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	0.37		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.25		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	0.26		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.26		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	0.25		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	0.26		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.28		0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.26		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	0.26		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.475		15-120		59	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.278		30-130		69	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.269		30-130		67	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1749	7.514				
1146-65-2	Naphthalene-d8	4318	10.277				
15067-26-2	Acenaphthene-d10	2826	14.155				

Report of Analysis

Client:		Date Collected:	6/28/2024 12:00:00 AM
Project:		Date Received:	6/28/2024 12:00:00 AM
Client Sample ID:	SLCS864	SDG No.:	BM071124
Lab Sample ID:	PB161864BS	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
BM046528.D	1	6/28/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161864

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	6249	16.909				
1719-03-5	Chrysene-d12	5016	21.111				
1520-96-3	Perylene-d12	5997	23.253				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	6/28/2024 12:00:00 AM
Project:		Date Received:	6/28/2024 12:00:00 AM
Client Sample ID:	SBLK864	SDG No.:	BM071124
Lab Sample ID:	PB161864BL	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
BM046529.D	1	6/28/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161864

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	4.618		15-120		58	SPK: -8
93951-69-0	Fluoranthene-d10	0.248		30-130		62	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.248		30-130		62	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1751		7.514			
1146-65-2	Naphthalene-d8	4519		10.271			
15067-26-2	Acenaphthene-d10	3413		14.155			

Report of Analysis

Client:		Date Collected:	6/28/2024 12:00:00 AM
Project:		Date Received:	6/28/2024 12:00:00 AM
Client Sample ID:	SBLK864	SDG No.:	BM071124
Lab Sample ID:	PB161864BL	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
BM046529.D	1	6/28/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161864

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	7584	16.909				
1719-03-5	Chrysene-d12	6293	21.111				
1520-96-3	Perylene-d12	7434	23.253				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	E1GC9	SDG No.:	BM071124
Lab Sample ID:	P3084-09	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
BM046530.D	1	6/28/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161864

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	0.04	J	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	6.002		15-120		75	SPK: -8
93951-69-0	Fluoranthene-d10	0.418		30-130		104	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.385		30-130		96	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1383		7.514			
1146-65-2	Naphthalene-d8	3602		10.275			
15067-26-2	Acenaphthene-d10	2730		14.154			

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	E1GC9	SDG No.:	BM071124
Lab Sample ID:	P3084-09	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
BM046530.D	1	6/28/2024 12:00:00 AM	7/11/2024 12:00:00 AM	PB161864

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	5767	16.908				
1719-03-5	Chrysene-d12	4829	21.111				
1520-96-3	Perylene-d12	5410	23.253				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	H0HC2	SDG No.:	BM071124
Lab Sample ID:	P3109-02	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
BM046531.D	1	6/28/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161864

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	0.1		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.23		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	0.02	J	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	4.432		15-120		55	SPK: -8
93951-69-0	Fluoranthene-d10	0.37		30-130		93	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.346		30-130		86	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1558		7.514			
1146-65-2	Naphthalene-d8	4246		10.275			
15067-26-2	Acenaphthene-d10	7408		14.149			

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	H0HC2	SDG No.:	BM071124
Lab Sample ID:	P3109-02	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
BM046531.D	1	6/28/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161864

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9716	16.908				
1719-03-5	Chrysene-d12	8852	21.108				
1520-96-3	Perylene-d12	8388	23.25				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	6/21/2024 12:00:00 AM
Project:		Date Received:	6/21/2024 12:00:00 AM
Client Sample ID:	E1GE2	SDG No.:	BM071124
Lab Sample ID:	P3084-03	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
BM046532.D	1	6/26/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161757

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	0.119	*	15-120		1	SPK: -8
93951-69-0	Fluoranthene-d10	0.007	*	30-130		2	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.006	*	30-130		1	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	97341		7.514			
1146-65-2	Naphthalene-d8	275750		10.275			
15067-26-2	Acenaphthene-d10	186990		14.154			

Report of Analysis

Client:		Date Collected:	6/21/2024 12:00:00 AM
Project:		Date Received:	6/21/2024 12:00:00 AM
Client Sample ID:	E1GE2	SDG No.:	BM071124
Lab Sample ID:	P3084-03	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
BM046532.D	1	6/26/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161757

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	438881	16.908				
1719-03-5	Chrysene-d12	377012	21.114				
1520-96-3	Perylene-d12	423392	23.256				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	H0HC4	SDG No.:	BM071124
Lab Sample ID:	P3109-06	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046533.D	1	6/27/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161826

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	0.08	J	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.22		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	0.03	J	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	4.636		15-120		58	SPK: -8
93951-69-0	Fluoranthene-d10	0.389		30-130		97	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.355		30-130		89	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1641		7.514			
1146-65-2	Naphthalene-d8	4413		10.271			
15067-26-2	Acenaphthene-d10	7704		14.15			

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	H0HC4	SDG No.:	BM071124
Lab Sample ID:	P3109-06	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046533.D	1	6/27/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9802	16.909				
1719-03-5	Chrysene-d12	8632	21.111				
1520-96-3	Perylene-d12	8278	23.253				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	H0HC4MS	SDG No.:	BM071124
Lab Sample ID:	P3109-07MS	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
BM046534.D	1	6/27/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.7		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.43		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.57		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.38		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.14		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.18		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.22		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.67		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.39		0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.38		0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.41		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.4		0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.39		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.38		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.4		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.4		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.42		0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.35		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	0.33		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.252		15-120		31	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.424		30-130		106	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.35		30-130		88	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2030		7.514			
1146-65-2	Naphthalene-d8	5335		10.271			
15067-26-2	Acenaphthene-d10	9680		14.151			

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	H0HC4MS	SDG No.:	BM071124
Lab Sample ID:	P3109-07MS	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
BM046534.D	1	6/27/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	10557	16.905				
1719-03-5	Chrysene-d12	9132	21.111				
1520-96-3	Perylene-d12	9788	23.253				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	H0HC4MSD	SDG No.:	BM071124
Lab Sample ID:	P3109-08MSD	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
BM046535.D	1	6/27/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.7		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.39		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.55		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.37		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.14		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.18		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.21		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.65		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.37		0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.38		0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.39		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.39		0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.38		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.38		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.39		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.39		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.41		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	0.33		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	0.267		15-120		33	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.412		30-130		103	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	2246	7.514				
1146-65-2	Naphthalene-d8	6057	10.27				
15067-26-2	Acenaphthene-d10	10925	14.154				

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	H0HC4MSD	SDG No.:	BM071124
Lab Sample ID:	P3109-08MSD	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
BM046535.D	1	6/27/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161826

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12171	16.908				
1719-03-5	Chrysene-d12	10768	21.111				
1520-96-3	Perylene-d12	11463	23.253				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	SLCS755	SDG No.:	BM071124
Lab Sample ID:	PB161755BS	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BM046536.D	1	6/26/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161755

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	46		0.89	0	6.7	ug/Kg
91-20-3	Naphthalene	9.8		0.2	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	9.7		0.52	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	9.8		0.19	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	9.6		0.33	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	10		0.18	0.83	3.3	ug/Kg
86-73-7	Fluorene	9.8		0.22	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	13		2	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	9.7		0.18	0.83	3.3	ug/Kg
120-12-7	Anthracene	9.5		0.17	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	11		0.18	0.83	3.3	ug/Kg
129-00-0	Pyrene	10		0.24	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	9.7		0.09	0.83	3.3	ug/Kg
218-01-9	Chrysene	9.9		0.25	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	10		0.47	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	9.8		0.32	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	11		0.32	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	9.6		0.52	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	9.5		0.47	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	9.5		0.75	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.554		15-120		69	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.335		30-130		84	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.307		20-140		77	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2913		7.51			
1146-65-2	Naphthalene-d8	7282		10.271			
15067-26-2	Acenaphthene-d10	4577		14.155			

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	SLCS755	SDG No.:	BM071124
Lab Sample ID:	PB161755BS	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BM046536.D	1	6/26/2024 12:00:00 AM	7/12/2024 12:00:00 AM	PB161755

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9849	16.905				
1719-03-5	Chrysene-d12	7566	21.111				
1520-96-3	Perylene-d12	8707	23.25				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM071124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : A4CX8								
P3035-10	A4CX8	Solid	Total Alkanes	*	0.000	1.1	8.2	ug/Kg
			Total Tics :			0.00		
P3035-10	A4CX8	Solid	Anthracene		1.800	J 0.21	4	ug/Kg
P3035-10	A4CX8	Solid	Benzo(a)anthracene		7.000	0.11	4	ug/Kg
P3035-10	A4CX8	Solid	Benzo(a)pyrene		8.900	0.39	4	ug/Kg
P3035-10	A4CX8	Solid	Benzo(b)fluoranthene		11.000	0.58	4	ug/Kg
P3035-10	A4CX8	Solid	Benzo(g,h,i)perylene		6.500	0.92	4	ug/Kg
P3035-10	A4CX8	Solid	Benzo(k)fluoranthene		4.100	0.39	4	ug/Kg
P3035-10	A4CX8	Solid	Chrysene		7.800	0.31	4	ug/Kg
P3035-10	A4CX8	Solid	Dibenzo(a,h)anthracene		1.600	J 0.58	4	ug/Kg
P3035-10	A4CX8	Solid	Fluoranthene		15.000	0.22	4	ug/Kg
P3035-10	A4CX8	Solid	Indeno(1,2,3-cd)pyrene		5.100	0.64	4	ug/Kg
P3035-10	A4CX8	Solid	Phenanthrene		8.300	0.22	4	ug/Kg
P3035-10	A4CX8	Solid	Pyrene		14.000	0.29	4	ug/Kg
			Total Svoc :			91.10		
			Total Concentration:			91.10		
Client ID : A4CX5								
P3035-17	A4CX5	Solid	Total Alkanes	*	0.000	1	7.6	ug/Kg
			Total Tics :			0.00		
P3035-17	A4CX5	Solid	Benzo(a)anthracene		3.200	J 0.11	3.8	ug/Kg
P3035-17	A4CX5	Solid	Benzo(a)pyrene		4.300	0.36	3.8	ug/Kg
P3035-17	A4CX5	Solid	Benzo(b)fluoranthene		6.600	0.54	3.8	ug/Kg
P3035-17	A4CX5	Solid	Benzo(g,h,i)perylene		3.400	J 0.85	3.8	ug/Kg
P3035-17	A4CX5	Solid	Benzo(k)fluoranthene		2.200	J 0.36	3.8	ug/Kg
P3035-17	A4CX5	Solid	Chrysene		4.300	0.28	3.8	ug/Kg
P3035-17	A4CX5	Solid	Dibenzo(a,h)anthracene		0.870	J 0.54	3.8	ug/Kg
P3035-17	A4CX5	Solid	Fluoranthene		8.800	0.21	3.8	ug/Kg
P3035-17	A4CX5	Solid	Indeno(1,2,3-cd)pyrene		2.700	J 0.59	3.8	ug/Kg
P3035-17	A4CX5	Solid	Phenanthrene		3.400	J 0.21	3.8	ug/Kg
P3035-17	A4CX5	Solid	Pyrene		6.600	0.27	3.8	ug/Kg
			Total Svoc :			46.37		
			Total Concentration:			46.37		
Client ID : A4B97								
P3035-19	A4B97	Solid	Total Alkanes	*	0.000	1	7.8	ug/Kg
			Total Tics :			0.00		
P3035-19	A4B97	Solid	2-Methylnaphthalene		0.930	J 0.22	3.8	ug/Kg
P3035-19	A4B97	Solid	Acenaphthene		2.300	J 0.21	3.8	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM071124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3035-19	A4B97	Solid	Acenaphthylene	3.400	J	0.38	3.8	ug/Kg
P3035-19	A4B97	Solid	Anthracene	6.100		0.2	3.8	ug/Kg
P3035-19	A4B97	Solid	Benzo(a)anthracene	20.000		0.11	3.8	ug/Kg
P3035-19	A4B97	Solid	Benzo(a)pyrene	26.000		0.37	3.8	ug/Kg
P3035-19	A4B97	Solid	Benzo(b)fluoranthene	30.000		0.55	3.8	ug/Kg
P3035-19	A4B97	Solid	Benzo(g,h,i)perylene	18.000		0.87	3.8	ug/Kg
P3035-19	A4B97	Solid	Benzo(k)fluoranthene	10.000		0.37	3.8	ug/Kg
P3035-19	A4B97	Solid	Chrysene	21.000		0.29	3.8	ug/Kg
P3035-19	A4B97	Solid	Dibenzo(a,h)anthracene	4.100		0.55	3.8	ug/Kg
P3035-19	A4B97	Solid	Fluoranthene	43.000		0.21	3.8	ug/Kg
P3035-19	A4B97	Solid	Fluorene	2.400	J	0.26	3.8	ug/Kg
P3035-19	A4B97	Solid	Indeno(1,2,3-cd)pyrene	14.000		0.6	3.8	ug/Kg
P3035-19	A4B97	Solid	Naphthalene	2.000	J	0.23	3.8	ug/Kg
P3035-19	A4B97	Solid	Phenanthrene	27.000		0.21	3.8	ug/Kg
P3035-19	A4B97	Solid	Pyrene	37.000		0.28	3.8	ug/Kg

Total Svoc :

267.23

Total Concentration:

267.23

Client ID : A4CC4

P3035-23	A4CC4	Solid	Total Alkanes	*	0.000	0.97	7.3	ug/Kg
Total Tics :					0.00			
P3035-23	A4CC4	Solid	Acenaphthylene		2.200	J	0.36	ug/Kg
P3035-23	A4CC4	Solid	Anthracene		1.900	J	0.19	ug/Kg
P3035-23	A4CC4	Solid	Benzo(a)anthracene		9.400		0.1	ug/Kg
P3035-23	A4CC4	Solid	Benzo(a)pyrene		11.000		0.35	ug/Kg
P3035-23	A4CC4	Solid	Benzo(b)fluoranthene		14.000		0.51	ug/Kg
P3035-23	A4CC4	Solid	Benzo(g,h,i)perylene		7.200		0.82	ug/Kg
P3035-23	A4CC4	Solid	Benzo(k)fluoranthene		4.300		0.35	ug/Kg
P3035-23	A4CC4	Solid	Chrysene		9.800		0.27	ug/Kg
P3035-23	A4CC4	Solid	Dibenzo(a,h)anthracene		1.800	J	0.51	ug/Kg
P3035-23	A4CC4	Solid	Fluoranthene		18.000		0.2	ug/Kg
P3035-23	A4CC4	Solid	Indeno(1,2,3-cd)pyrene		5.900		0.57	ug/Kg
P3035-23	A4CC4	Solid	Phenanthrene		7.000		0.2	ug/Kg
P3035-23	A4CC4	Solid	Pyrene		16.000		0.26	ug/Kg

Total Svoc :

108.50

Total Concentration:

108.50

Client ID : A4CC9

P3035-24	A4CC9	Solid	Total Alkanes	*	0.000	1.1	8.5	ug/Kg
Total Tics :					0.00			
P3035-24	A4CC9	Solid	Acenaphthene		1.500	J	0.23	ug/Kg
P3035-24	A4CC9	Solid	Acenaphthylene		1.500	J	0.42	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM071124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3035-24	A4CC9	Solid	Anthracene	5.300		0.22	4.2	ug/Kg
P3035-24	A4CC9	Solid	Benzo(a)anthracene	19.000		0.12	4.2	ug/Kg
P3035-24	A4CC9	Solid	Benzo(a)pyrene	22.000		0.41	4.2	ug/Kg
P3035-24	A4CC9	Solid	Benzo(b)fluoranthene	30.000		0.6	4.2	ug/Kg
P3035-24	A4CC9	Solid	Benzo(g,h,i)perylene	15.000		0.95	4.2	ug/Kg
P3035-24	A4CC9	Solid	Benzo(k)fluoranthene	10.000		0.41	4.2	ug/Kg
P3035-24	A4CC9	Solid	Chrysene	21.000		0.32	4.2	ug/Kg
P3035-24	A4CC9	Solid	Dibenzo(a,h)anthracene	3.600	J	0.6	4.2	ug/Kg
P3035-24	A4CC9	Solid	Fluoranthene	47.000		0.23	4.2	ug/Kg
P3035-24	A4CC9	Solid	Fluorene	1.700	J	0.28	4.2	ug/Kg
P3035-24	A4CC9	Solid	Indeno(1,2,3-cd)pyrene	12.000		0.66	4.2	ug/Kg
P3035-24	A4CC9	Solid	Phenanthrene	23.000		0.23	4.2	ug/Kg
P3035-24	A4CC9	Solid	Pyrene	36.000		0.3	4.2	ug/Kg

Total Svoc : 248.60

Total Concentration: 248.60

Client ID : A4CD0

P3035-25	A4CD0	Solid	Total Alkanes	*	0.000	1.1	7.9	ug/Kg
Total Tics :					0.00			
P3035-25	A4CD0	Solid	Anthracene		1.200	J 0.2	3.9	ug/Kg
P3035-25	A4CD0	Solid	Benzo(a)anthracene		6.000	0.11	3.9	ug/Kg
P3035-25	A4CD0	Solid	Benzo(a)pyrene		7.900	0.38	3.9	ug/Kg
P3035-25	A4CD0	Solid	Benzo(b)fluoranthene		11.000	0.56	3.9	ug/Kg
P3035-25	A4CD0	Solid	Benzo(g,h,i)perylene		6.300	0.89	3.9	ug/Kg
P3035-25	A4CD0	Solid	Benzo(k)fluoranthene		3.900	0.38	3.9	ug/Kg
P3035-25	A4CD0	Solid	Chrysene		7.400	0.3	3.9	ug/Kg
P3035-25	A4CD0	Solid	Dibenzo(a,h)anthracene		1.500	J 0.56	3.9	ug/Kg
P3035-25	A4CD0	Solid	Fluoranthene		15.000	0.21	3.9	ug/Kg
P3035-25	A4CD0	Solid	Indeno(1,2,3-cd)pyrene		5.000	0.61	3.9	ug/Kg
P3035-25	A4CD0	Solid	Phenanthrene		6.100	0.21	3.9	ug/Kg
P3035-25	A4CD0	Solid	Pyrene		11.000	0.28	3.9	ug/Kg

Total Svoc : 82.30

Total Concentration: 82.30

Client ID : E1GM5

P3059-03	E1GM5	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
Total Tics :					0.00			
Total Concentration:					0.00			

Client ID : E1GM5MSD

P3059-05MSD	E1GM5MSD	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L
Total Tics :					0.00			

Hit Summary Sheet SW-846

SDG No.: BM071124

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
P3059-05MSD	E1GM5MSD	Water	1,4-Dioxane	0.680		0.03	0.2	ug/L
P3059-05MSD	E1GM5MSD	Water	1-Methylnaphthalene	0.320		0.02	0.1	ug/L
P3059-05MSD	E1GM5MSD	Water	2-Methylnaphthalene	0.330		0.01	0.1	ug/L
P3059-05MSD	E1GM5MSD	Water	Acenaphthene	0.360		0.01	0.1	ug/L
P3059-05MSD	E1GM5MSD	Water	Acenaphthylene	0.330		0.01	0.1	ug/L
P3059-05MSD	E1GM5MSD	Water	Anthracene	0.330		0.01	0.1	ug/L
P3059-05MSD	E1GM5MSD	Water	Benzo(a)anthracene	0.350		0	0.1	ug/L
P3059-05MSD	E1GM5MSD	Water	Benzo(a)pyrene	0.380		0.02	0.1	ug/L
P3059-05MSD	E1GM5MSD	Water	Benzo(b)fluoranthene	0.350		0.01	0.1	ug/L
P3059-05MSD	E1GM5MSD	Water	Benzo(g,h,i)perylene	0.380		0.02	0.1	ug/L
P3059-05MSD	E1GM5MSD	Water	Benzo(k)fluoranthene	0.360		0.01	0.1	ug/L
P3059-05MSD	E1GM5MSD	Water	Chrysene	0.360		0.01	0.1	ug/L
P3059-05MSD	E1GM5MSD	Water	Dibenzo(a,h)anthracene	0.370		0.01	0.1	ug/L
P3059-05MSD	E1GM5MSD	Water	Fluoranthene	0.370		0.01	0.1	ug/L
P3059-05MSD	E1GM5MSD	Water	Fluorene	0.530		0.01	0.1	ug/L
P3059-05MSD	E1GM5MSD	Water	Indeno(1,2,3-cd)pyrene	0.380		0.02	0.1	ug/L
P3059-05MSD	E1GM5MSD	Water	Naphthalene	0.330		0	0.1	ug/L
P3059-05MSD	E1GM5MSD	Water	Pentachlorophenol	0.590		0.06	0.2	ug/L
P3059-05MSD	E1GM5MSD	Water	Phenanthrene	0.360		0.01	0.1	ug/L
P3059-05MSD	E1GM5MSD	Water	Pyrene	0.370		0.01	0.1	ug/L
Total Svoc :						7.83		
Total Concentration:						7.83		
Client ID : E1GE2								
P3084-03	E1GE2	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
Total Tics :						0.00		
Total Concentration:						0.00		
Client ID : E1GC9								
P3084-09	E1GC9	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
Total Tics :						0.00		
P3084-09	E1GC9	Water	Naphthalene		0.040	J 0.0043	0.1	ug/L
Total Svoc :						0.04		
Total Concentration:						0.04		
Client ID : H0HC2								
P3109-02	H0HC2	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
Total Tics :						0.00		
P3109-02	H0HC2	Water	1-Methylnaphthalene		0.230	0.015	0.1	ug/L
P3109-02	H0HC2	Water	Acenaphthene		0.020	J 0.0074	0.1	ug/L
P3109-02	H0HC2	Water	Naphthalene		0.100	0.0043	0.1	ug/L
Total Svoc :						0.35		

Hit Summary Sheet SW-846

SDG No.: BM071124

Client:

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
			Total Concentration:		0.35				
Client ID :	H0HC4								
P3109-06	H0HC4	Water	Total Alkanes	*	0.000		0.029	0.2	ug/L
P3109-06	H0HC4	Water	Total Alkanes	*	0.000		0.029	0.2	ug/L
			Total Tics :		0.00				
P3109-06	H0HC4	Water	1-Methylnaphthalene		0.190		0.015	0.1	ug/L
P3109-06	H0HC4	Water	Acenaphthene		0.030	J	0.0074	0.1	ug/L
P3109-06	H0HC4	Water	Naphthalene		0.070	J	0.0043	0.1	ug/L
P3109-06	H0HC4	Water	1-Methylnaphthalene		0.220		0.015	0.1	ug/L
P3109-06	H0HC4	Water	Acenaphthene		0.030	J	0.0074	0.1	ug/L
P3109-06	H0HC4	Water	Naphthalene		0.080	J	0.0043	0.1	ug/L
			Total Svoc :		0.62				
			Total Concentration:		0.62				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM071024 SAS No.: BM071024 SDG No.: BM071024
Instrument ID: _____ Calibration Date(s): 7/10/2024 : _____
Calibration Time(s): 13:37 _____

LAB FILE ID:		RRFAL1 = BM046499.D			RRFAL2 = BM046500.D		RRFAL3 = BM046501.D	
		RRFAL4 = BM046502.D			RRFAL5 = BM046503.D		RRFAL6 = BM046504.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane		0.327	0.341	0.365	0.359	0.362	0.351	4.7
1,4-Dioxane-d8		0.340	0.330	0.325	0.321	0.327	0.329	2.2
Naphthalene	1.059	0.999	1.012	1.027	0.992		1.018	2.6
1-Methylnaphthalene	0.748	0.725	0.723	0.741	0.712		0.730	2.0
2-Methylnaphthalene	0.742	0.703	0.713	0.718	0.699		0.715	2.4
Acenaphthylene	1.875	1.804	1.790	1.853	1.783		1.821	2.2
Acenaphthene	1.234	1.224	1.183	1.257	1.202		1.220	2.4
Fluorene	1.543	1.487	1.483	1.543	1.491		1.509	2.0
Pentachlorophenol		0.214	0.203	0.200	0.199	0.198	0.203	3.3
Phenanthrene	1.183	1.127	1.123	1.163	1.111		1.141	2.6
Anthracene	1.158	1.100	1.094	1.130	1.088		1.114	2.6
Fluoranthene	1.828	1.624	1.572	1.663	1.528		1.643	7.0
Pyrene	2.072	1.774	1.682	1.759	1.608		1.779	9.9
Benzo (a) anthracene	1.991	1.777	1.682	1.749	1.649		1.770	7.6
Chrysene	1.925	1.738	1.627	1.687	1.584		1.712	7.7
Benzo (b) fluoranthene	1.817	1.603	1.512	1.550	1.506		1.598	8.1
Benzo (k) fluoranthene	1.739	1.555	1.525	1.555	1.469		1.569	6.5
Benzo (a) pyrene	1.399	1.314	1.274	1.325	1.263		1.315	4.1
Indeno (1,2,3-cd) pyrene	2.040	2.006	1.957	2.039	1.964		2.001	2.0
Dibenzo (a,h) anthracene	1.629	1.606	1.532	1.614	1.539		1.584	2.8
Benzo (g,h,i) perylene	1.607	1.613	1.560	1.638	1.565		1.597	2.1
Fluoranthene-d10	1.281	1.226	1.187	1.243	1.148		1.217	4.2
2-Methylnaphthalene-d10	0.657	0.628	0.643	0.659	0.638		0.645	2.0

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.: BM071124 SAS No.: BM071124 SDG NO.: BM071124

EPA Sample No.: SSTD0.4038

Date Analyzed: Jul 11 2024 12:00AM

Lab File ID: BM046501.D

Time Analyzed: 09:50

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	1921	7.518	4571	10.28	2922	14.16
	UPPER LIMIT	3842	8.018	9142	10.782	5844	14.664
	LOWER LIMIT	960.5	7.018	2285.5	9.782	1461	13.664
	EPA SAMPLE NO.						
01	SBLK731	1581	7.52	3976	10.28	2926	14.16
02	SBLK755	1825	7.51	4453	10.28	3107	14.16
03	E1GM5	1412	7.52	3735	10.28	2697	14.16
04	E1GM5MS	1784	7.52	4453	10.28	2936	14.16
05	E1GM5MSD	2786	7.52	7145	10.28	4424	14.16
06	H0HC4	2831	7.51	7553	10.28	10989 *	14.15
07	E1GM5MSD	2389	7.51	6138	10.28	3896	14.16
08	H0HC4MS	3154	7.51	8645	10.28	14729 *	14.16
09	H0HC4MSD	3243	7.51	8896	10.28	15229 *	14.16
10	A4CX5	2967	7.51	7937	10.28	5260	14.16
11	A4CD0	2771	7.51	7332	10.28	4787	14.16
12	A4B97	2565	7.51	6540	10.28	4403	14.16
13	A4CC9	3668	7.52	9673 *	10.28	6273 *	14.16
14	A4CC4	2512	7.51	6574	10.28	4465	14.16
15	A4CX8	2770	7.51	7432	10.28	5016	14.16
16	SLCS731	2404	7.51	6014	10.28	3832	14.16
17	SBLK917	1886	7.51	4933	10.28	3635	14.16
18	SBLK826	1906	7.51	4969	10.27	3547	14.16
19	SLCS864	1749	7.51	4318	10.28	2826	14.16
20	SBLK864	1751	7.51	4519	10.27	3413	14.16
21	E1GC9	1383	7.51	3602	10.28	2730	14.15
22	H0HC2	1558	7.51	4246	10.28	7408 *	14.15
23	E1GE2	97341 *	7.51	275750 *	10.28	186990 *	14.15

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071124 SAS No.: BM071124 SDG NO.: BM071124

EPA Sample No.: SSTD0.4038 Date Analyzed: Jul 12 2024 12:00AM

Lab File ID: BM046501.D Time Analyzed: 01:15

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	1921	7.518	4571	10.28	2922	14.16
UPPER LIMIT	3842	8.018	9142	10.782	5844	14.664
LOWER LIMIT	960.5	7.018	2285.5	9.782	1461	13.664
EPA SAMPLE NO.						
24 H0HC4	1641	7.51	4413	10.27	7704 *	14.15
25 H0HC4MS	2030	7.51	5335	10.27	9680 *	14.15
26 H0HC4MSD	2246	7.51	6057	10.27	10925 *	14.15
27 SLCS755	2913	7.51	7282	10.27	4577	14.16

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.: BM071124 SAS No.: BM071124 SDG NO.: BM071124

EPA Sample No.: SSTD0.4160

Date Analyzed: Jul 11 2024 12:00AM

Lab File ID: BM046508.D

Time Analyzed: 09:50

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	1343	7.518	3064	10.28	1978	14.16
	UPPER LIMIT	2686	8.018	6128	10.775	3956	14.658
	LOWER LIMIT	671.5	7.018	1532	9.775	989	13.658
	EPA SAMPLE NO.						
01	SBLK731	1581	7.52	3976	10.28	2926	14.16
02	SBLK755	1825	7.51	4453	10.28	3107	14.16
03	E1GM5	1412	7.52	3735	10.28	2697	14.16
04	E1GM5MS	1784	7.52	4453	10.28	2936	14.16
05	E1GM5MSD	2786 *	7.52	7145 *	10.28	4424 *	14.16
06	H0HC4	2831 *	7.51	7553 *	10.28	10989 *	14.15
07	E1GM5MSD	2389	7.51	6138 *	10.28	3896	14.16
08	H0HC4MS	3154 *	7.51	8645 *	10.28	14729 *	14.16
09	H0HC4MSD	3243 *	7.51	8896 *	10.28	15229 *	14.16
10	A4CX5	2967 *	7.51	7937 *	10.28	5260 *	14.16
11	A4CD0	2771 *	7.51	7332 *	10.28	4787 *	14.16
12	A4B97	2565	7.51	6540 *	10.28	4403 *	14.16
13	A4CC9	3668 *	7.52	9673 *	10.28	6273 *	14.16
14	A4CC4	2512	7.51	6574 *	10.28	4465 *	14.16
15	A4CX8	2770 *	7.51	7432 *	10.28	5016 *	14.16
16	SLCS731	2404	7.51	6014	10.28	3832	14.16



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071124 SAS No.: BM071124 SDG NO.: BM071124

EPA Sample No.: SSTD0.4160 Date Analyzed: Jul 11 2024 12:00AM

Lab File ID: BM046508.D Time Analyzed: 19:06

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	1343	7.518	3064	10.28	1978	14.16
UPPER LIMIT	2686	8.018	6128	10.775	3956	14.658
LOWER LIMIT	671.5	7.018	1532	9.775	989	13.658
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.: BM071124 SAS No.: BM071124 SDG NO.: BM071124

EPA Sample No.: SSTD0.4161 Date Analyzed: Jul 11 2024 12:00AM

Lab File ID: BM046525.D Time Analyzed: 20:57

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	1503	7.514	3668	10.28	2467	14.16
UPPER LIMIT	3006	8.014	7336	10.775	4934	14.658
LOWER LIMIT	751.5	7.014	1834	9.775	1233.5	13.658
EPA SAMPLE NO.						
01 SBLK917	1886	7.51	4933	10.28	3635	14.16
02 SBLK826	1906	7.51	4969	10.27	3547	14.16
03 SLCS864	1749	7.51	4318	10.28	2826	14.16
04 SBLK864	1751	7.51	4519	10.27	3413	14.16
05 E1GC9	1383	7.51	3602	10.28	2730	14.15
06 H0HC2	1558	7.51	4246	10.28	7408 *	14.15
07 E1GE2	97341 *	7.51	275750 *	10.28	186990 *	14.15
08 H0HC4	1641	7.51	4413	10.27	7704 *	14.15
09 H0HC4MS	2030	7.51	5335	10.27	9680 *	14.15
10 H0HC4MSD	2246	7.51	6057	10.27	10925 *	14.15
11 SLCS755	2913	7.51	7282	10.27	4577	14.16

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.: BM071124 SAS No.: BM071124 SDG NO.: BM071124

EPA Sample No.: SSTD0.4038 Date Analyzed: Jul 11 2024 12:00AM

Lab File ID: BM046501.D Time Analyzed: 09:50

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	6121	16.913	5430	21.119	6721	23.267
	UPPER LIMIT	12242	17.413	10860	21.619	13442	23.767
	LOWER LIMIT	3060.5	16.413	2715	20.619	3360.5	22.767
	EPA SAMPLE NO.						
01	SBLK731	6521	16.91	5462	21.12	6498	23.26
02	SBLK755	7018	16.91	5886	21.12	6954	23.26
03	E1GM5	6099	16.91	5367	21.12	6061	23.26
04	E1GM5MS	6662	16.91	5719	21.12	7624	23.26
05	E1GM5MSD	9729	16.91	7926	21.12	9519	23.26
06	H0HC4	12454 *	16.91	9283	21.12	8566	23.26
07	E1GM5MSD	8306	16.91	6593	21.12	7943	23.26
08	H0HC4MS	14445 *	16.91	11727 *	21.12	12210	23.26
09	H0HC4MSD	15691 *	16.91	13119 *	21.12	13548 *	23.26
10	A4CX5	11693	16.91	9961	21.12	10380	23.27
11	A4CD0	10551	16.91	8598	21.12	9352	23.26
12	A4B97	9531	16.91	8318	21.12	9625	23.26
13	A4CC9	13822 *	16.91	11438 *	21.12	12365	23.26
14	A4CC4	9726	16.91	7957	21.12	9271	23.26
15	A4CX8	11080	16.91	9641	21.11	10721	23.26
16	SLCS731	8061	16.91	6192	21.11	7188	23.26
17	SBLK917	7927	16.91	6681	21.11	8164	23.26
18	SBLK826	7624	16.91	6166	21.11	7352	23.26
19	SLCS864	6249	16.91	5016	21.11	5997	23.25
20	SBLK864	7584	16.91	6293	21.11	7434	23.25
21	E1GC9	5767	16.91	4829	21.11	5410	23.25

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071124 SAS No.: BM071124 SDG NO.: BM071124

EPA Sample No.: SSTD0.4038 Date Analyzed: Jul 12 2024 12:00AM

Lab File ID: BM046501.D Time Analyzed: 00:02

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	6121	16.913	5430	21.119	6721	23.267
UPPER LIMIT	12242	17.413	10860	21.619	13442	23.767
LOWER LIMIT	3060.5	16.413	2715	20.619	3360.5	22.767
EPA SAMPLE NO.						
22 H0HC2	9716	16.91	8852	21.11	8388	23.25
23 E1GE2	438881 *	16.91	377012 *	21.11	423392 *	23.26
24 H0HC4	9802	16.91	8632	21.11	8278	23.25
25 H0HC4MS	10557	16.91	9132	21.11	9788	23.25
26 H0HC4MSD	12171	16.91	10768	21.11	11463	23.25
27 SLCS755	9849	16.91	7566	21.11	8707	23.25

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.: BM071124 SAS No.: BM071124 SDG NO.: BM071124

EPA Sample No.: SSTD0.4160 Date Analyzed: Jul 11 2024 12:00AM

Lab File ID: BM046508.D Time Analyzed: 09:50

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	4443	16.912	4010	21.117	4959	23.262
	UPPER LIMIT	8886	17.412	8020	21.617	9918	23.762
	LOWER LIMIT	2221.5	16.412	2005	20.617	2479.5	22.762
	EPA SAMPLE NO.						
01	SBLK731	6521	16.91	5462	21.12	6498	23.26
02	SBLK755	7018	16.91	5886	21.12	6954	23.26
03	E1GM5	6099	16.91	5367	21.12	6061	23.26
04	E1GM5MS	6662	16.91	5719	21.12	7624	23.26
05	E1GM5MSD	9729 *	16.91	7926	21.12	9519	23.26
06	H0HC4	12454 *	16.91	9283 *	21.12	8566	23.26
07	E1GM5MSD	8306	16.91	6593	21.12	7943	23.26
08	H0HC4MS	14445 *	16.91	11727 *	21.12	12210 *	23.26
09	H0HC4MSD	15691 *	16.91	13119 *	21.12	13548 *	23.26
10	A4CX5	11693 *	16.91	9961 *	21.12	10380 *	23.27
11	A4CD0	10551 *	16.91	8598 *	21.12	9352	23.26
12	A4B97	9531 *	16.91	8318 *	21.12	9625	23.26
13	A4CC9	13822 *	16.91	11438 *	21.12	12365 *	23.26
14	A4CC4	9726 *	16.91	7957	21.12	9271	23.26
15	A4CX8	11080 *	16.91	9641 *	21.11	10721 *	23.26
16	SLCS731	8061	16.91	6192	21.11	7188	23.26

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071124 SAS No.: BM071124 SDG NO.: BM071124

EPA Sample No.: SSTD0.4160 Date Analyzed: Jul 11 2024 12:00AM

Lab File ID: BM046508.D Time Analyzed: 19:06

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	4443	16.912	4010	21.117	4959	23.262
UPPER LIMIT	8886	17.412	8020	21.617	9918	23.762
LOWER LIMIT	2221.5	16.412	2005	20.617	2479.5	22.762
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.: BM071124 SAS No.: BM071124 SDG NO.: BM071124

EPA Sample No.: SSTD0.4161 Date Analyzed: Jul 11 2024 12:00AM

Lab File ID: BM046525.D Time Analyzed: 20:57

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	5430	16.908	4484	21.114	5703	23.256
UPPER LIMIT	10860	17.408	8968	21.614	11406	23.756
LOWER LIMIT	2715	16.408	2242	20.614	2851.5	22.756
EPA SAMPLE NO.						
01 SBLK917	7927	16.91	6681	21.11	8164	23.26
02 SBLK826	7624	16.91	6166	21.11	7352	23.26
03 SLCS864	6249	16.91	5016	21.11	5997	23.25
04 SBLK864	7584	16.91	6293	21.11	7434	23.25
05 E1GC9	5767	16.91	4829	21.11	5410	23.25
06 H0HC2	9716	16.91	8852	21.11	8388	23.25
07 E1GE2	438881 *	16.91	377012 *	21.11	423392 *	23.26
08 H0HC4	9802	16.91	8632	21.11	8278	23.25
09 H0HC4MS	10557	16.91	9132 *	21.11	9788	23.25
10 H0HC4MSD	12171 *	16.91	10768 *	21.11	11463 *	23.25
11 SLCS755	9849	16.91	7566	21.11	8707	23.25

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.: BM071124

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB161731BS	1,4-Dioxane	2	1.5	ug/L	75				0	0		
	Naphthalene	0.4	0.33	ug/L	83				0	0		
	1-Methylnaphthalene	0.4	0.32	ug/L	80				0	0		
	2-Methylnaphthalene	0.4	0.33	ug/L	83				0	0		
	Acenaphthylene	0.4	0.31	ug/L	78				0	0		
	Acenaphthene	0.4	0.33	ug/L	83				0	0		
	Fluorene	0.4	0.31	ug/L	78				0	0		
	Pentachlorophenol	0.8	0.5	ug/L	63				0	0		
	Phenanthrene	0.4	0.31	ug/L	78				0	0		
	Anthracene	0.4	0.31	ug/L	78				0	0		
	Fluoranthene	0.4	0.34	ug/L	85				0	0		
	Pyrene	0.4	0.33	ug/L	83				0	0		
	Benzo(a)anthracene	0.4	0.31	ug/L	78				0	0		
	Chrysene	0.4	0.32	ug/L	80				0	0		
	Benzo(b)fluoranthene	0.4	0.32	ug/L	80				0	0		
	Benzo(k)fluoranthene	0.4	0.32	ug/L	80				0	0		
	Benzo(a)pyrene	0.4	0.35	ug/L	88				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0.32	ug/L	80				0	0		
	Dibenzo(a,h)anthracene	0.4	0.31	ug/L	78				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.: BM071124

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB161755BS	1,4-Dioxane	66.7	46	ug/Kg	69				0	0		
	Naphthalene	13.3	9.8	ug/Kg	74				0	0		
	1-Methylnaphthalene	13.3	9.7	ug/Kg	73				0	0		
	2-Methylnaphthalene	13.3	9.8	ug/Kg	74				0	0		
	Acenaphthylene	13.3	9.6	ug/Kg	72				0	0		
	Acenaphthene	13.3	10	ug/Kg	75				0	0		
	Fluorene	13.3	9.8	ug/Kg	74				0	0		
	Pentachlorophenol	26.7	13	ug/Kg	49				0	0		
	Phenanthrene	13.3	9.7	ug/Kg	73				0	0		
	Anthracene	13.3	9.5	ug/Kg	71				0	0		
	Fluoranthene	13.3	11	ug/Kg	83				0	0		
	Pyrene	13.3	10	ug/Kg	75				0	0		
	Benzo(a)anthracene	13.3	9.7	ug/Kg	73				0	0		
	Chrysene	13.3	9.9	ug/Kg	74				0	0		
	Benzo(b)fluoranthene	13.3	10	ug/Kg	75				0	0		
	Benzo(k)fluoranthene	13.3	9.8	ug/Kg	74				0	0		
	Benzo(a)pyrene	13.3	11	ug/Kg	83				0	0		
	Indeno(1,2,3-cd)pyrene	13.3	9.6	ug/Kg	72				0	0		
	Dibenzo(a,h)anthracene	13.3	9.5	ug/Kg	71				0	0		
	Benzo(g,h,i)perylene	13.3	9.5	ug/Kg	71				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM071124

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161864BS	1,4-Dioxane	2	1.2	ug/L	60				0	0	
	Naphthalene	0.4	0.25	ug/L	63				0	0	
	1-Methylnaphthalene	0.4	0.25	ug/L	63				0	0	
	2-Methylnaphthalene	0.4	0.26	ug/L	65				0	0	
	Acenaphthylene	0.4	0.24	ug/L	60				0	0	
	Acenaphthene	0.4	0.26	ug/L	65				0	0	
	Fluorene	0.4	0.25	ug/L	63				0	0	
	Pentachlorophenol	0.8	0.37	ug/L	46				0	0	
	Phenanthrene	0.4	0.25	ug/L	63				0	0	
	Anthracene	0.4	0.24	ug/L	60				0	0	
	Fluoranthene	0.4	0.26	ug/L	65				0	0	
	Pyrene	0.4	0.26	ug/L	65				0	0	
	Benzo(a)anthracene	0.4	0.24	ug/L	60				0	0	
	Chrysene	0.4	0.25	ug/L	63				0	0	
	Benzo(b)fluoranthene	0.4	0.26	ug/L	65				0	0	
	Benzo(k)fluoranthene	0.4	0.26	ug/L	65				0	0	
	Benzo(a)pyrene	0.4	0.28	ug/L	70				0	0	
	Indeno(1,2,3-cd)pyrene	0.4	0.26	ug/L	65				0	0	
	Dibenzo(a,h)anthracene	0.4	0.26	ug/L	65				0	0	
	Benzo(g,h,i)perylene	0.4	0.26	ug/L	65				0	0	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK731

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM071124

SAS No.: BM071124 SDG NO.: BM071124

Lab File ID: BM046509.D

Lab Sample ID: PB161731BL

Instrument ID: BNA_M

Date Extracted: 06/25/2024

Matrix: (soil/water) Water

Date Analyzed: 07/11/2024

Level: (low/med) LOW

Time Analyzed: 09:50

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E1GM5MSD	P3059-05MSD	BM046515.D	07/11/2024
E1GM5	P3059-03	BM046511.D	07/11/2024
E1GM5MS	P3059-04MS	BM046512.D	07/11/2024
E1GM5MSD	P3059-05MSD	BM046513.D	07/11/2024
PB161731BS	PB161731BS	BM046524.D	07/11/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK755

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM071124

SAS No.: BM071124 SDG NO.: BM071124

Lab File ID: BM046510.D

Lab Sample ID: PB161755BL

Instrument ID: BNA_M

Date Extracted: 06/26/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/11/2024

Level: (low/med) LOW

Time Analyzed: 10:27

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
A4CX5	P3035-17	BM046518.D	07/11/2024
A4CD0	P3035-25	BM046519.D	07/11/2024
A4B97	P3035-19	BM046520.D	07/11/2024
A4CC9	P3035-24	BM046521.D	07/11/2024
A4CC4	P3035-23	BM046522.D	07/11/2024
A4CX8	P3035-10	BM046523.D	07/11/2024
PB161755BS	PB161755BS	BM046536.D	07/12/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

E1GE2

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM071124

SAS No.: BM071124 SDG NO.: BM071124

Lab File ID: BM046532.D

Lab Sample ID: P3084-03

Instrument ID: BNA_M

Date Extracted: 06/26/2024

Matrix: (soil/water) Water

Date Analyzed: 07/12/2024

Level: (low/med) LOW

Time Analyzed: 00:38

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E1GE2	P3084-03	BM046532.D	07/12/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK826

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM071124

SAS No.: BM071124 SDG NO.: BM071124

Lab File ID: BM046527.D

Lab Sample ID: PB161826BL

Instrument ID: BNA_M

Date Extracted: 06/27/2024

Matrix: (soil/water) Water

Date Analyzed: 07/11/2024

Level: (low/med) LOW

Time Analyzed: 21:34

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
H0HC4MS	P3109-07MS	BM046516.D	07/11/2024
H0HC4MSD	P3109-08MSD	BM046517.D	07/11/2024
H0HC4	P3109-06	BM046514.D	07/11/2024
H0HC4	P3109-06	BM046533.D	07/12/2024
H0HC4MS	P3109-07MS	BM046534.D	07/12/2024
H0HC4MSD	P3109-08MSD	BM046535.D	07/12/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK864

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM071124

SAS No.: BM071124 SDG NO.: BM071124

Lab File ID: BM046529.D

Lab Sample ID: PB161864BL

Instrument ID: BNA_M

Date Extracted: 06/28/2024

Matrix: (soil/water) Water

Date Analyzed: 07/11/2024

Level: (low/med) LOW

Time Analyzed: 22:48

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E1GC9	P3084-09	BM046530.D	07/11/2024
H0HC2	P3109-02	BM046531.D	07/12/2024
PB161864BS	PB161864BS	BM046528.D	07/11/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK917

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM071124

SAS No.: BM071124 SDG NO.: BM071124

Lab File ID: BM046526.D

Lab Sample ID: PB161917BL

Instrument ID: BNA_M

Date Extracted: 07/03/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/11/2024

Level: (low/med) LOW

Time Analyzed: 20:57

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.: BM071124

Client: _____

Analytical Method: SFAM_SVOASIM

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P3059-04MS	Client Sample ID:	E1GM5MS					DataFile:	BM046512.D		
1,4-Dioxane	2		0.86	ug/L	43				15	120	
Naphthalene	0.41		0.37	ug/L	90				0	0	
1-Methylnaphthalene	0.41		0.37	ug/L	90				0	0	
2-Methylnaphthalene	0.41		0.37	ug/L	90				0	0	
Acenaphthylene	0.41		0.36	ug/L	88				0	0	
Acenaphthene	0.41		0.39	ug/L	95				46	118	
Fluorene	0.41		0.62	ug/L	151				0	0	
Pentachlorophenol	0.82		0.68	ug/L	83				9	103	
Phenanthrene	0.41		0.39	ug/L	95				0	0	
Anthracene	0.41		0.37	ug/L	90				0	0	
Fluoranthene	0.41		0.4	ug/L	98				0	0	
Pyrene	0.41		0.38	ug/L	93				26	127	
Benzo(a)anthracene	0.41		0.38	ug/L	93				0	0	
Chrysene	0.41		0.39	ug/L	95				0	0	
Benzo(b)fluoranthene	0.41		0.38	ug/L	93				0	0	
Benzo(k)fluoranthene	0.41		0.38	ug/L	93				0	0	
Benzo(a)pyrene	0.41		0.41	ug/L	100				0	0	
Indeno(1,2,3-cd)pyrene	0.41		0.44	ug/L	107				0	0	
Dibenzo(a,h)anthracene	0.41		0.44	ug/L	107				0	0	
Benzo(g,h,i)perylene	0.41		0.46	ug/L	112				0	0	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM071124

Client: _____

Analytical Method: SFAM_SVOASIM

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P3059-05MSD	Client Sample ID:	E1GM5MSD					DataFile:	BM046515.D		
1,4-Dioxane	2		0.77	ug/L	39		10		15	120	50
Naphthalene	0.41		0.37	ug/L	90		0		0	0	0
1-Methylnaphthalene	0.41		0.36	ug/L	88		2	*	0	0	0
2-Methylnaphthalene	0.41		0.36	ug/L	88		2	*	0	0	0
Acenaphthylene	0.41		0.36	ug/L	88		0		0	0	0
Acenaphthene	0.41		0.39	ug/L	95		0		46	118	31
Fluorene	0.41		0.5	ug/L	122		21	*	0	0	0
Pentachlorophenol	0.82		0.62	ug/L	76		9		9	103	50
Phenanthrene	0.41		0.4	ug/L	98		3	*	0	0	0
Anthracene	0.41		0.37	ug/L	90		0		0	0	0
Fluoranthene	0.41		0.42	ug/L	102		4	*	0	0	0
Pyrene	0.41		0.41	ug/L	100		7		26	127	31
Benzo(a)anthracene	0.41		0.39	ug/L	95		2	*	0	0	0
Chrysene	0.41		0.39	ug/L	95		0		0	0	0
Benzo(b)fluoranthene	0.41		0.38	ug/L	93		0		0	0	0
Benzo(k)fluoranthene	0.41		0.4	ug/L	98		5	*	0	0	0
Benzo(a)pyrene	0.41		0.42	ug/L	102		2	*	0	0	0
Indeno(1,2,3-cd)pyrene	0.41		0.42	ug/L	102		5	*	0	0	0
Dibenzo(a,h)anthracene	0.41		0.42	ug/L	102		5	*	0	0	0
Benzo(g,h,i)perylene	0.41		0.42	ug/L	102		9	*	0	0	0

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM071124

Client: _____

Analytical Method: SFAM_SVOASIM

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P3109-07MS	Client Sample ID:	H0HC4MS					DataFile:	BM046516.D		
1,4-Dioxane	2		0.6	ug/L	30				15	120	
1,4-Dioxane	2		0.7	ug/L	35				15	120	
Naphthalene	0.4		0.43	ug/L	108				0	0	
Naphthalene	0.4		0.41	ug/L	103				0	0	
1-Methylnaphthalene	0.4		0.54	ug/L	135				0	0	
1-Methylnaphthalene	0.4		0.57	ug/L	143				0	0	
2-Methylnaphthalene	0.4		0.38	ug/L	95				0	0	
2-Methylnaphthalene	0.4		0.36	ug/L	90				0	0	
Acenaphthylene	0.4		0.14	ug/L	35				0	0	
Acenaphthylene	0.4		0.14	ug/L	35				0	0	
Acenaphthene	0.4		0.18	ug/L	45	*			46	118	
Acenaphthene	0.4		0.18	ug/L	45	*			46	118	
Fluorene	0.4		0.24	ug/L	60				0	0	
Fluorene	0.4		0.22	ug/L	55				0	0	
Pentachlorophenol	0.8		0.67	ug/L	84				9	103	
Pentachlorophenol	0.8		0.7	ug/L	88				9	103	
Phenanthrene	0.4		0.38	ug/L	95				0	0	
Phenanthrene	0.4		0.39	ug/L	98				0	0	
Anthracene	0.4		0.38	ug/L	95				0	0	
Anthracene	0.4		0.37	ug/L	93				0	0	
Fluoranthene	0.4		0.41	ug/L	103				0	0	
Fluoranthene	0.4		0.41	ug/L	103				0	0	
Pyrene	0.4		0.4	ug/L	100				26	127	
Pyrene	0.4		0.4	ug/L	100				26	127	
Benzo(a)anthracene	0.4		0.38	ug/L	95				0	0	
Benzo(a)anthracene	0.4		0.39	ug/L	98				0	0	
Chrysene	0.4		0.38	ug/L	95				0	0	
Chrysene	0.4		0.37	ug/L	93				0	0	
Benzo(b)fluoranthene	0.4		0.38	ug/L	95				0	0	
Benzo(b)fluoranthene	0.4		0.4	ug/L	100				0	0	
Benzo(k)fluoranthene	0.4		0.4	ug/L	100				0	0	
Benzo(k)fluoranthene	0.4		0.39	ug/L	98				0	0	
Benzo(a)pyrene	0.4		0.41	ug/L	103				0	0	
Benzo(a)pyrene	0.4		0.42	ug/L	105				0	0	
Indeno(1,2,3-cd)pyrene	0.4		0.35	ug/L	88				0	0	
Indeno(1,2,3-cd)pyrene	0.4		0.34	ug/L	85				0	0	
Dibenzo(a,h)anthracene	0.4		0.33	ug/L	83				0	0	
Dibenzo(a,h)anthracene	0.4		0.34	ug/L	85				0	0	
Benzo(g,h,i)perylene	0.4		0.33	ug/L	83				0	0	
Benzo(g,h,i)perylene	0.4		0.33	ug/L	83				0	0	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM071124

Client: _____

Analytical Method: SFAM_SVOASIM

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P3109-08MSD	Client Sample ID:	H0HC4MSD					DataFile:	BM046517.D		
1,4-Dioxane	2		0.61	ug/L	31		3		15	120	50
1,4-Dioxane	2		0.7	ug/L	35		15		15	120	50
Naphthalene	0.4		0.39	ug/L	98		5	*	0	0	0
Naphthalene	0.4		0.39	ug/L	98		5	*	0	0	0
1-Methylnaphthalene	0.4		0.55	ug/L	138		2	*	0	0	0
1-Methylnaphthalene	0.4		0.52	ug/L	130		4	*	0	0	0
2-Methylnaphthalene	0.4		0.35	ug/L	88		2	*	0	0	0
2-Methylnaphthalene	0.4		0.37	ug/L	93		3	*	0	0	0
Acenaphthylene	0.4		0.14	ug/L	35		0		0	0	0
Acenaphthylene	0.4		0.14	ug/L	35		0		0	0	0
Acenaphthene	0.4		0.18	ug/L	45	*	0		46	118	31
Acenaphthene	0.4		0.17	ug/L	43	*	5		46	118	31
Fluorene	0.4		0.21	ug/L	52		14	*	0	0	0
Fluorene	0.4		0.22	ug/L	55		9	*	0	0	0
Pentachlorophenol	0.8		0.66	ug/L	83		6		9	103	50
Pentachlorophenol	0.8		0.65	ug/L	81		8		9	103	50
Phenanthrene	0.4		0.37	ug/L	93		2	*	0	0	0
Phenanthrene	0.4		0.36	ug/L	90		5	*	0	0	0
Anthracene	0.4		0.36	ug/L	90		3	*	0	0	0
Anthracene	0.4		0.38	ug/L	95		2	*	0	0	0
Fluoranthene	0.4		0.39	ug/L	98		5	*	0	0	0
Fluoranthene	0.4		0.39	ug/L	98		5	*	0	0	0
Pyrene	0.4		0.38	ug/L	95		5		26	127	31
Pyrene	0.4		0.39	ug/L	98		2		26	127	31
Benzo(a)anthracene	0.4		0.38	ug/L	95		0		0	0	0
Benzo(a)anthracene	0.4		0.37	ug/L	93		2	*	0	0	0
Chrysene	0.4		0.36	ug/L	90		3	*	0	0	0
Chrysene	0.4		0.38	ug/L	95		2	*	0	0	0
Benzo(b)fluoranthene	0.4		0.39	ug/L	98		3	*	0	0	0
Benzo(b)fluoranthene	0.4		0.38	ug/L	95		0		0	0	0
Benzo(k)fluoranthene	0.4		0.37	ug/L	93		5	*	0	0	0
Benzo(k)fluoranthene	0.4		0.39	ug/L	98		0		0	0	0
Benzo(a)pyrene	0.4		0.41	ug/L	103		0		0	0	0
Benzo(a)pyrene	0.4		0.4	ug/L	100		3	*	0	0	0
Indeno(1,2,3-cd)pyrene	0.4		0.32	ug/L	80		6	*	0	0	0
Indeno(1,2,3-cd)pyrene	0.4		0.33	ug/L	83		2	*	0	0	0
Dibenzo(a,h)anthracene	0.4		0.33	ug/L	83		0		0	0	0
Dibenzo(a,h)anthracene	0.4		0.32	ug/L	80		4	*	0	0	0
Benzo(g,h,i)perylene	0.4		0.31	ug/L	78		6	*	0	0	0
Benzo(g,h,i)perylene	0.4		0.32	ug/L	80		4	*	0	0	0

Surrogate Summary

SW-846

SDG No.: **BM071124**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3059-03	E1GM5	BM046511.D	1,4-Dioxane-d8	8	5.19	65		15	120
			Fluoranthene-d10	0.4	0.36	90		30	130
			2-Methylnaphthalene-d10	0.4	0.33	83		30	130
P3059-04MS	E1GM5MS	BM046512.D	1,4-Dioxane-d8	0.8	0.28	35		15	120
			Fluoranthene-d10	0.4	0.42	104		30	130
			2-Methylnaphthalene-d10	0.4	0.36	90		30	130
P3059-05MSD	E1GM5MSD	BM046513.D	1,4-Dioxane-d8	8	0.27	3	*	15	120
			BM046515.D	0.8	0.29	36		15	120
			BM046513.D	0.4	0.39	98		30	130
			BM046515.D	0.4	0.44	109		30	130
			BM046513.D	0.4	0.31	78		30	130
			BM046515.D	0.4	0.35	88		30	130
PB161731BL	PB161731BL	BM046509.D	1,4-Dioxane-d8	8	4.89	61		15	120
			Fluoranthene-d10	0.4	0.25	63		30	130
			2-Methylnaphthalene-d10	0.4	0.26	64		30	130
PB161731BS	PB161731BS	BM046524.D	1,4-Dioxane-d8	0.8	0.61	77		15	120
			Fluoranthene-d10	0.4	0.37	92		30	130
			2-Methylnaphthalene-d10	0.4	0.34	85		30	130

Surrogate Summary

SW-846

SDG No.: **BM071124**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3035-10	A4CX8	BM046523.D	1,4-Dioxane-d8	8	2.02	25		15	120
			Fluoranthene-d10	0.4	0.19	47		30	130
			2-Methylnaphthalene-d10	0.4	0.17	42		20	140
P3035-17	A4CX5	BM046518.D	1,4-Dioxane-d8	8	2.81	35		15	120
			Fluoranthene-d10	0.4	0.22	56		30	130
			2-Methylnaphthalene-d10	0.4	0.21	52		20	140
P3035-19	A4B97	BM046520.D	1,4-Dioxane-d8	8	2.51	31		15	120
			Fluoranthene-d10	0.4	0.20	49		30	130
			2-Methylnaphthalene-d10	0.4	0.18	45		20	140
P3035-23	A4CC4	BM046522.D	1,4-Dioxane-d8	8	2.82	35		15	120
			Fluoranthene-d10	0.4	0.22	55		30	130
			2-Methylnaphthalene-d10	0.4	0.20	50		20	140
P3035-24	A4CC9	BM046521.D	1,4-Dioxane-d8	8	2.41	30		15	120
			Fluoranthene-d10	0.4	0.19	47		30	130
			2-Methylnaphthalene-d10	0.4	0.17	42		20	140
P3035-25	A4CD0	BM046519.D	1,4-Dioxane-d8	8	2.90	36		15	120
			Fluoranthene-d10	0.4	0.25	63		30	130
			2-Methylnaphthalene-d10	0.4	0.22	54		20	140
PB161755BL	PB161755BL	BM046510.D	1,4-Dioxane-d8	8	4.71	59		15	120
			Fluoranthene-d10	0.4	0.27	68		30	130
			2-Methylnaphthalene-d10	0.4	0.26	65		20	140
PB161755BS	PB161755BS	BM046536.D	1,4-Dioxane-d8	0.8	0.55	69		15	120
			Fluoranthene-d10	0.4	0.34	84		30	130
			2-Methylnaphthalene-d10	0.4	0.31	77		20	140



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

Surrogate Summary

SW-846

SDG No.: BM071124

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
P3084-03	E1GE2	BM046532.D	1,4-Dioxane-d8	8	0.12	1	*	15	120
			Fluoranthene-d10	0.4	0.01	2	*	30	130
			2-Methylnaphthalene-d10	0.4	0.01	1	*	30	130

Surrogate Summary

SW-846

SDG No.: **BM071124**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3109-06	H0HC4	BM046533.D	1,4-Dioxane-d8	8	4.64	58		15	120
		BM046514.D	1,4-Dioxane-d8	8	4.67	58		15	120
			Fluoranthene-d10	0.4	0.40	101		30	130
		BM046533.D	Fluoranthene-d10	0.4	0.39	97		30	130
			2-Methylnaphthalene-d10	0.4	0.36	89		30	130
		BM046514.D	2-Methylnaphthalene-d10	0.4	0.32	80		30	130
P3109-07MS	H0HC4MS	BM046516.D	1,4-Dioxane-d8	0.8	0.24	30		15	120
		BM046534.D	1,4-Dioxane-d8	0.8	0.25	31		15	120
			Fluoranthene-d10	0.4	0.42	106		30	130
		BM046516.D	Fluoranthene-d10	0.4	0.43	107		30	130
			2-Methylnaphthalene-d10	0.4	0.32	81		30	130
		BM046534.D	2-Methylnaphthalene-d10	0.4	0.35	88		30	130
P3109-08MSD	H0HC4MSD	BM046535.D	1,4-Dioxane-d8	0.8	0.27	33		15	120
		BM046517.D	1,4-Dioxane-d8	0.8	0.24	30		15	120
			Fluoranthene-d10	0.4	0.41	102		30	130
		BM046535.D	Fluoranthene-d10	0.4	0.41	103		30	130
			2-Methylnaphthalene-d10	0.4	0.34	84		30	130
		BM046517.D	2-Methylnaphthalene-d10	0.4	0.32	81		30	130
PB161826BL	PB161826BL	BM046527.D	1,4-Dioxane-d8	8	5.17	65		15	120
			Fluoranthene-d10	0.4	0.28	71		30	130
			2-Methylnaphthalene-d10	0.4	0.27	68		30	130

Surrogate Summary

SW-846

SDG No.: BM071124

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
P3084-09	E1GC9	BM046530.D	1,4-Dioxane-d8	8	6.00	75		15	120
			Fluoranthene-d10	0.4	0.42	104		30	130
			2-Methylnaphthalene-d10	0.4	0.39	96		30	130
P3109-02	H0HC2	BM046531.D	1,4-Dioxane-d8	8	4.43	55		15	120
			Fluoranthene-d10	0.4	0.37	93		30	130
			2-Methylnaphthalene-d10	0.4	0.35	86		30	130
PB161864BL	PB161864BL	BM046529.D	1,4-Dioxane-d8	8	4.62	58		15	120
			Fluoranthene-d10	0.4	0.25	62		30	130
			2-Methylnaphthalene-d10	0.4	0.25	62		30	130
PB161864BS	PB161864BS	BM046528.D	1,4-Dioxane-d8	0.8	0.48	59		15	120
			Fluoranthene-d10	0.4	0.28	69		30	130
			2-Methylnaphthalene-d10	0.4	0.27	67		30	130



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

Surrogate Summary

SW-846

SDG No.: BM071124

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
PB161917BL	PB161917BL	BM046526.D	1,4-Dioxane-d8	8	4.83	60		15	120
			Fluoranthene-d10	0.4	0.26	65		30	130
			2-Methylnaphthalene-d10	0.4	0.26	64		20	140

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM071124

Lab Code: CHEM

SAS No.: BM071124

SDG NO.: BM071124

Lab File ID: BM046507.D

DFTPP Injection Date: 07/11/2024

Instrument ID: BNA_M

DFTPP Injection Time: 08:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	42.9
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	30.4
365	Greater than 1% of mass 198	4.7
441	Present, but less than mass 443	9.8
442	Greater than 50% of mass 198	60.6
443	15.0 - 24.0% of mass 442	11.7 (19.3) 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
SSTD0.4160	SSTDCCC0.4	BM046508.D	07/11/2024	09:14
SBLK731	PB161731BL	BM046509.D	07/11/2024	09:50
SBLK755	PB161755BL	BM046510.D	07/11/2024	10:27
E1GM5	P3059-03	BM046511.D	07/11/2024	11:04
E1GM5MS	P3059-04MS	BM046512.D	07/11/2024	11:41
E1GM5MSD	P3059-05MSD	BM046513.D	07/11/2024	12:18
H0HC4	P3109-06	BM046514.D	07/11/2024	12:54
E1GM5MSD	P3059-05MSD	BM046515.D	07/11/2024	13:31
H0HC4MS	P3109-07MS	BM046516.D	07/11/2024	14:08
H0HC4MSD	P3109-08MSD	BM046517.D	07/11/2024	14:45
A4CX5	P3035-17	BM046518.D	07/11/2024	15:22
A4CD0	P3035-25	BM046519.D	07/11/2024	15:59
A4B97	P3035-19	BM046520.D	07/11/2024	16:37
A4CC9	P3035-24	BM046521.D	07/11/2024	17:14
A4CC4	P3035-23	BM046522.D	07/11/2024	17:51
A4CX8	P3035-10	BM046523.D	07/11/2024	18:29
SLCS731	PB161731BS	BM046524.D	07/11/2024	19:06
SSTD0.4161	SSTDCCC0.4	BM046525.D	07/11/2024	20:20

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM071124

Lab Code: CHEM

SAS No.: BM071124 SDG NO.: BM071124

Lab File ID: BM046507.D

DFTPP Injection Date: 07/11/2024

Instrument ID: BNA_M

DFTPP Injection Time: 08:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	42.9
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	30.4
365	Greater than 1% of mass 198	4.7
441	Present, but less than mass 443	9.8
442	Greater than 50% of mass 198	60.6
443	15.0 - 24.0% of mass 442	11.7 (19.3) 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
SBLK917	PB161917BL	BM046526.D	07/11/2024	20:57
SBLK826	PB161826BL	BM046527.D	07/11/2024	21:34
SLCS864	PB161864BS	BM046528.D	07/11/2024	22:11
SBLK864	PB161864BL	BM046529.D	07/11/2024	22:48
E1GC9	P3084-09	BM046530.D	07/11/2024	23:25
H0HC2	P3109-02	BM046531.D	07/12/2024	00:02
E1GE2	P3084-03	BM046532.D	07/12/2024	00:38
H0HC4	P3109-06	BM046533.D	07/12/2024	01:15
H0HC4MS	P3109-07MS	BM046534.D	07/12/2024	01:52
H0HC4MSD	P3109-08MSD	BM046535.D	07/12/2024	02:28
SLCS755	PB161755BS	BM046536.D	07/12/2024	03:05
SSTD0.4162	SSTDCCC0.4EC	BM046537.D	07/12/2024	04:18