

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM072524 SAS No.: BM072524 SDG No.: BM072524

Instrument ID: BNA_M Calibration Date/Time: 7/25/2024 1:09:15

Lab File ID: BM046791.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4182 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.320	0.313	0.010	-2.3624	40.0
1,4-Dioxane-d8	0.280	0.300	0.010	7.1764	40.0
Naphthalene	1.012	1.013	0.600	0.1139	30.0
1-Methylnaphthalene	0.719	0.747	0.300	3.9304	30.0
2-Methylnaphthalene	0.696	0.731	0.300	4.9131	30.0
Acenaphthylene	1.832	1.757	0.900	-4.11	30.0
Acenaphthene	1.243	1.218	0.500	-2.0676	30.0
Fluorene	1.554	1.508	0.700	-2.9549	30.0
Pentachlorophenol	0.181	0.133	0.010	-26.5917	50.0
Phenanthrene	1.150	1.106	0.300	-3.7757	30.0
Anthracene	1.070	1.024	0.400	-4.2867	30.0
Fluoranthene	1.757	1.977	0.400	12.5421	30.0
Pyrene	1.817	2.030	0.500	11.7258	30.0
Benzo (a) anthracene	1.667	1.573	0.400	-5.6475	30.0
Chrysene	1.693	1.576	0.400	-6.9458	30.0
Benzo (b) fluoranthene	1.756	1.487	0.200	-15.3244	30.0
Benzo (k) fluoranthene	1.770	1.554	0.200	-12.1736	30.0
Benzo (a) pyrene	1.261	1.117	0.200	-11.4039	30.0
Indeno (1,2,3-cd) pyrene	1.940	1.501	0.200	-22.6345	30.0
Dibenzo (a,h) anthracene	1.420	1.099	0.200	-22.6477	30.0
Benzo (g,h,i) perylene	1.709	1.301	0.200	-23.8805	30.0
Fluoranthene-d10	1.303	1.483	0.400	13.8006	30.0
2-Methylnaphthalene-d10	0.636	0.668	0.300	5.0731	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.: BM072524 SAS No.: BM072524 SDG No.: BM072524

Instrument ID: BNA_M Calibration Date/Time: 7/25/2024 1:17:10

Lab File ID: BM046803.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4183 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.320	0.293	0.010	-8.7179	40.0
1,4-Dioxane-d8	0.280	0.268	0.010	-4.1695	40.0
Naphthalene	1.012	0.977	0.600	-3.4749	30.0
1-Methylnaphthalene	0.719	0.736	0.300	2.3777	30.0
2-Methylnaphthalene	0.696	0.705	0.300	1.2293	30.0
Acenaphthylene	1.832	1.938	0.900	5.7781	30.0
Acenaphthene	1.243	1.304	0.500	4.8668	30.0
Fluorene	1.554	1.539	0.700	-0.9693	30.0
Pentachlorophenol	0.181	0.142	0.010	-21.4206	50.0
Phenanthrene	1.150	1.108	0.300	-3.6228	30.0
Anthracene	1.070	1.063	0.400	-0.695	30.0
Fluoranthene	1.757	2.177	0.400	23.9378	30.0
Pyrene	1.817	2.167	0.500	19.2338	30.0
Benzo (a) anthracene	1.667	1.603	0.400	-3.8505	30.0
Chrysene	1.693	1.526	0.400	-9.9027	30.0
Benzo (b) fluoranthene	1.756	1.511	0.200	-13.9448	30.0
Benzo (k) fluoranthene	1.770	1.526	0.200	-13.7479	30.0
Benzo (a) pyrene	1.261	1.334	0.200	5.7993	30.0
Indeno (1,2,3-cd) pyrene	1.940	1.688	0.200	-12.9881	30.0
Dibenzo (a,h) anthracene	1.420	1.311	0.200	-7.7205	30.0
Benzo (g,h,i) perylene	1.709	1.426	0.200	-16.5592	30.0
Fluoranthene-d10	1.303	1.612	0.400	23.7497	30.0
2-Methylnaphthalene-d10	0.636	0.625	0.300	-1.6486	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.: BM072524 SAS No.: BM072524 SDG No.: BM072524

Instrument ID: BNA_M Calibration Date/Time: 7/26/2024 1:03:31

Lab File ID: BM046819.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4184 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.320	0.266	0.010	-17.0157	50.0
1,4-Dioxane-d8	0.280	0.236	0.010	-15.8219	50.0
Naphthalene	1.012	0.976	0.600	-3.5278	50.0
1-Methylnaphthalene	0.719	0.731	0.300	1.596	50.0
2-Methylnaphthalene	0.696	0.694	0.300	-0.3429	50.0
Acenaphthylene	1.832	1.991	0.900	8.6699	50.0
Acenaphthene	1.243	1.324	0.500	6.4881	50.0
Fluorene	1.554	1.553	0.700	-0.1045	50.0
Pentachlorophenol	0.181	0.129	0.010	-28.8997	50.0
Phenanthrene	1.150	1.091	0.300	-5.1247	50.0
Anthracene	1.070	1.044	0.400	-2.4582	50.0
Fluoranthene	1.757	2.188	0.400	24.5216	50.0
Pyrene	1.817	2.166	0.500	19.2136	50.0
Benzo (a) anthracene	1.667	1.632	0.400	-2.1162	50.0
Chrysene	1.693	1.557	0.400	-8.0567	50.0
Benzo (b) fluoranthene	1.756	1.484	0.200	-15.4763	50.0
Benzo (k) fluoranthene	1.770	1.496	0.200	-15.464	50.0
Benzo (a) pyrene	1.261	1.367	0.200	8.4131	50.0
Indeno (1,2,3-cd) pyrene	1.940	1.761	0.200	-9.2559	50.0
Dibenzo (a,h) anthracene	1.420	1.382	0.200	-2.6909	50.0
Benzo (g,h,i) perylene	1.709	1.475	0.200	-13.6691	50.0
Fluoranthene-d10	1.303	1.595	0.400	22.431	50.0
2-Methylnaphthalene-d10	0.636	0.612	0.300	-3.8015	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	7/16/2024 12:00:00 AM
Project:		Date Received:	7/16/2024 12:00:00 AM
Client Sample ID:	SBLK099	SDG No.:	BM072524
Lab Sample ID:	PB162099BL	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
BM046792.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

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	6.199		15-120		77	SPK: -8
93951-69-0	Fluoranthene-d10	0.32		30-130		80	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.315		20-140		79	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2401	7.472				
1146-65-2	Naphthalene-d8	6487	10.231				
15067-26-2	Acenaphthene-d10	4452	14.117				

Report of Analysis

Client:		Date Collected:	7/16/2024 12:00:00 AM
Project:		Date Received:	7/16/2024 12:00:00 AM
Client Sample ID:	SBLK099	SDG No.:	BM072524
Lab Sample ID:	PB162099BL	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
BM046792.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	10392	16.87				
1719-03-5	Chrysene-d12	7696	21.082				
1520-96-3	Perylene-d12	6584	23.207				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4DQ6	SDG No.:	BM072524
Lab Sample ID:	P3263-25	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	30.2 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
BM046793.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.88	U	0.88	0	6.7	ug/Kg
91-20-3	Naphthalene	450	E	0.2	0.82	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	0.52	U	0.52	0.82	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	0.19	U	0.19	0.82	3.3	ug/Kg
208-96-8	Acenaphthylene	430	E	0.33	0.82	3.3	ug/Kg
83-32-9	Acenaphthene	390	E	0.18	0.82	3.3	ug/Kg
86-73-7	Fluorene	210	E	0.22	0.82	3.3	ug/Kg
87-86-5	Pentachlorophenol	2	U	2	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	210	E	0.18	0.82	3.3	ug/Kg
120-12-7	Anthracene	160	E	0.17	0.82	3.3	ug/Kg
206-44-0	Fluoranthene	240	E	0.18	0.82	3.3	ug/Kg
129-00-0	Pyrene	280	E	0.24	0.82	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	79	E	0.09	0.82	3.3	ug/Kg
218-01-9	Chrysene	140	E	0.25	0.82	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	E	0.47	0.82	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	E	0.32	0.82	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	210	E	0.32	0.82	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	E	0.52	0.82	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	E	0.47	0.82	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	E	0.75	0.82	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.38		15-120		47	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.296		30-130		74	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	2158		7.472			
1146-65-2	Naphthalene-d8	5611		10.233			
15067-26-2	Acenaphthene-d10	3773		14.118			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4DQ6	SDG No.:	BM072524
Lab Sample ID:	P3263-25	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	30.2 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
BM046793.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	8704	16.871				
1719-03-5	Chrysene-d12	7095	21.082				
1520-96-3	Perylene-d12	7164	23.209				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.88	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4DQ6DL	SDG No.:	BM072524
Lab Sample ID:	P3263-25DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	30.2 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
BM046794.D	10	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	8.8	U	8.8	0	67	ug/Kg
91-20-3	Naphthalene	460	D	2	8.2	33	ug/Kg
90-12-0	1-Methylnaphthalene	5.2	U	5.2	8.2	33	ug/Kg
91-57-6	2-Methylnaphthalene	1.9	U	1.9	8.2	33	ug/Kg
208-96-8	Acenaphthylene	420	D	3.3	8.2	33	ug/Kg
83-32-9	Acenaphthene	390	D	1.8	8.2	33	ug/Kg
86-73-7	Fluorene	210	D	2.2	8.2	33	ug/Kg
87-86-5	Pentachlorophenol	20	U	20	16.6	67	ug/Kg
85-01-8	Phenanthrene	210	D	1.8	8.2	33	ug/Kg
120-12-7	Anthracene	150	D	1.7	8.2	33	ug/Kg
206-44-0	Fluoranthene	290	D	1.8	8.2	33	ug/Kg
129-00-0	Pyrene	330	D	2.4	8.2	33	ug/Kg
56-55-3	Benzo(a)anthracene	79	D	0.92	8.2	33	ug/Kg
218-01-9	Chrysene	140	D	2.5	8.2	33	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	D	4.7	8.2	33	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	D	3.2	8.2	33	ug/Kg
50-32-8	Benzo(a)pyrene	210	D	3.2	8.2	33	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	200	D	5.2	8.2	33	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	D	4.7	8.2	33	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	D	7.5	8.2	33	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.61		15-120		76	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.37		30-130		93	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.25		20-140		63	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3341		7.472			
1146-65-2	Naphthalene-d8	8951		10.227			
15067-26-2	Acenaphthene-d10	5713		14.118			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4DQ6DL	SDG No.:	BM072524
Lab Sample ID:	P3263-25DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
Sample Wt/Vol:	30.2 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
BM046794.D	10	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12110	16.871				
1719-03-5	Chrysene-d12	7267	21.082				
1520-96-3	Perylene-d12	6943	23.209				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	8.8	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	XB507	SDG No.:	BM072524
Lab Sample ID:	P3287-08	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046795.D	1	7/18/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162156

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	7	E	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	3.1	E	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	12	E	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	3.6	E	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	1.7	E	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	2.3	E	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	4.8	E	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	3.7	E	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	1.6		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	1.9	E	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	1		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.82		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	2.4	E	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.6		0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	2.1	E	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	3.1	E	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.689		15-120		86	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.47		30-130		117	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.395		30-130		99	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2926		7.472			
1146-65-2	Naphthalene-d8	7527		10.226			
15067-26-2	Acenaphthene-d10	4815		14.117			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	XB507	SDG No.:	BM072524
Lab Sample ID:	P3287-08	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046795.D	1	7/18/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162156

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	10515	16.87				
1719-03-5	Chrysene-d12	6523	21.079				
1520-96-3	Perylene-d12	5947	23.206				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	XB507DL	SDG No.:	BM072524
Lab Sample ID:	P3287-08DL	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
BM046796.D	10	7/18/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162156

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.29	U	0.29	0	2	ug/L
91-20-3	Naphthalene	7.9	D	0.043	0.5	1	ug/L
90-12-0	1-Methylnaphthalene	0.15	U	0.15	0.5	1	ug/L
91-57-6	2-Methylnaphthalene	0.053	U	0.053	0.5	1	ug/L
208-96-8	Acenaphthylene	3.4	D	0.12	0.5	1	ug/L
83-32-9	Acenaphthene	13	D	0.074	0.5	1	ug/L
86-73-7	Fluorene	3.9	D	0.067	0.5	1	ug/L
87-86-5	Pentachlorophenol	0.63	U	0.63	1	2	ug/L
85-01-8	Phenanthrene	2	D	0.068	0.5	1	ug/L
120-12-7	Anthracene	2.4	D	0.08	0.5	1	ug/L
206-44-0	Fluoranthene	5.5	D	0.079	0.5	1	ug/L
129-00-0	Pyrene	4.3	D	0.06	0.5	1	ug/L
56-55-3	Benzo(a)anthracene	1.8	D	0.036	0.5	1	ug/L
218-01-9	Chrysene	2.2	D	0.077	0.5	1	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	D	0.13	0.5	1	ug/L
207-08-9	Benzo(k)fluoranthene	0.94	JD	0.098	0.5	1	ug/L
50-32-8	Benzo(a)pyrene	2.7	D	0.17	0.5	1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.9	D	0.17	0.5	1	ug/L
53-70-3	Dibenzo(a,h)anthracene	2.8	D	0.14	0.5	1	ug/L
191-24-2	Benzo(g,h,i)perylene	3.7	D	0.22	0.5	1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.9		15-120		113	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.57	*	30-130		142	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.44		30-130		110	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2091		7.472			
1146-65-2	Naphthalene-d8	5166		10.227			
15067-26-2	Acenaphthene-d10	3392		14.118			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	XB507DL	SDG No.:	BM072524
Lab Sample ID:	P3287-08DL	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
BM046796.D	10	7/18/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162156

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	7065	16.871				
1719-03-5	Chrysene-d12	4236	21.078				
1520-96-3	Perylene-d12	3983	23.206				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.29	U			99	ug/L

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4CL0	SDG No.:	BM072524
Lab Sample ID:	P3263-20	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	5.5
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
BM046797.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.94	U	0.94	0	7.1	ug/Kg
91-20-3	Naphthalene	38		0.21	0.87	3.5	ug/Kg
90-12-0	1-Methylnaphthalene	12		0.55	0.87	3.5	ug/Kg
91-57-6	2-Methylnaphthalene	16		0.2	0.87	3.5	ug/Kg
208-96-8	Acenaphthylene	39		0.35	0.87	3.5	ug/Kg
83-32-9	Acenaphthene	56		0.19	0.87	3.5	ug/Kg
86-73-7	Fluorene	45		0.23	0.87	3.5	ug/Kg
87-86-5	Pentachlorophenol	3.1	J	2.1	1.8	7.1	ug/Kg
85-01-8	Phenanthrene	410	E	0.19	0.87	3.5	ug/Kg
120-12-7	Anthracene	73	E	0.18	0.87	3.5	ug/Kg
206-44-0	Fluoranthene	790	E	0.19	0.87	3.5	ug/Kg
129-00-0	Pyrene	570	E	0.25	0.87	3.5	ug/Kg
56-55-3	Benzo(a)anthracene	350	E	0.1	0.87	3.5	ug/Kg
218-01-9	Chrysene	340	E	0.26	0.87	3.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	440	E	0.5	0.87	3.5	ug/Kg
207-08-9	Benzo(k)fluoranthene	150	E	0.34	0.87	3.5	ug/Kg
50-32-8	Benzo(a)pyrene	230	E	0.34	0.87	3.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	E	0.55	0.87	3.5	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	64	E	0.5	0.87	3.5	ug/Kg
191-24-2	Benzo(g,h,i)perylene	32		0.79	0.87	3.5	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.901		15-120		49	SPK: -8
93951-69-0	Fluoranthene-d10	0.333		30-130		83	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.286		20-140		72	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2430		7.472			
1146-65-2	Naphthalene-d8	6640		10.226			
15067-26-2	Acenaphthene-d10	4783		14.117			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4CL0	SDG No.:	BM072524
Lab Sample ID:	P3263-20	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	5.5
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
BM046797.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	16261	16.87				
1719-03-5	Chrysene-d12	9627	21.082				
1520-96-3	Perylene-d12	8265	23.209				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.94	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4CL0MS	SDG No.:	BM072524
Lab Sample ID:	P3263-21MS	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	5.5
Sample Wt/Vol:	30.08 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
BM046798.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	28		0.94	0	7.1	ug/Kg
91-20-3	Naphthalene	53		0.21	0.87	3.5	ug/Kg
90-12-0	1-Methylnaphthalene	28		0.55	0.87	3.5	ug/Kg
91-57-6	2-Methylnaphthalene	35		0.2	0.87	3.5	ug/Kg
208-96-8	Acenaphthylene	45		0.35	0.87	3.5	ug/Kg
83-32-9	Acenaphthene	62	E	0.19	0.87	3.5	ug/Kg
86-73-7	Fluorene	61	E	0.23	0.87	3.5	ug/Kg
87-86-5	Pentachlorophenol	20		2.1	1.8	7.1	ug/Kg
85-01-8	Phenanthrene	600	E	0.19	0.87	3.5	ug/Kg
120-12-7	Anthracene	120	E	0.18	0.87	3.5	ug/Kg
206-44-0	Fluoranthene	1100	E	0.19	0.87	3.5	ug/Kg
129-00-0	Pyrene	750	E	0.25	0.87	3.5	ug/Kg
56-55-3	Benzo(a)anthracene	390	E	0.1	0.87	3.5	ug/Kg
218-01-9	Chrysene	380	E	0.26	0.87	3.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	400	E	0.5	0.87	3.5	ug/Kg
207-08-9	Benzo(k)fluoranthene	140	E	0.34	0.87	3.5	ug/Kg
50-32-8	Benzo(a)pyrene	210	E	0.34	0.87	3.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	E	0.55	0.87	3.5	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	60	E	0.5	0.87	3.5	ug/Kg
191-24-2	Benzo(g,h,i)perylene	23		0.79	0.87	3.5	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.358		15-120		45	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.385		30-130		96	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.269		20-140		67	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3774		7.472			
1146-65-2	Naphthalene-d8	10726		10.227			
15067-26-2	Acenaphthene-d10	7011		14.118			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4CL0MS	SDG No.:	BM072524
Lab Sample ID:	P3263-21MS	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	5.5
Sample Wt/Vol:	30.08 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
BM046798.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	15259	16.871				
1719-03-5	Chrysene-d12	7925	21.081				
1520-96-3	Perylene-d12	7987	23.212				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.94	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4CL0MSD	SDG No.:	BM072524
Lab Sample ID:	P3263-22MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	5.5
Sample Wt/Vol:	30.05 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
BM046799.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	31		0.94	0	7.1	ug/Kg
91-20-3	Naphthalene	52		0.21	0.87	3.5	ug/Kg
90-12-0	1-Methylnaphthalene	26		0.55	0.87	3.5	ug/Kg
91-57-6	2-Methylnaphthalene	33		0.2	0.87	3.5	ug/Kg
208-96-8	Acenaphthylene	54		0.35	0.87	3.5	ug/Kg
83-32-9	Acenaphthene	60	E	0.19	0.87	3.5	ug/Kg
86-73-7	Fluorene	58	E	0.23	0.87	3.5	ug/Kg
87-86-5	Pentachlorophenol	20		2.1	1.8	7.1	ug/Kg
85-01-8	Phenanthrene	590	E	0.19	0.87	3.5	ug/Kg
120-12-7	Anthracene	130	E	0.18	0.87	3.5	ug/Kg
206-44-0	Fluoranthene	830	E	0.19	0.87	3.5	ug/Kg
129-00-0	Pyrene	590	E	0.25	0.87	3.5	ug/Kg
56-55-3	Benzo(a)anthracene	370	E	0.1	0.87	3.5	ug/Kg
218-01-9	Chrysene	370	E	0.26	0.87	3.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	370	E	0.5	0.87	3.5	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	E	0.34	0.87	3.5	ug/Kg
50-32-8	Benzo(a)pyrene	200	E	0.34	0.87	3.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	E	0.55	0.87	3.5	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	60	E	0.5	0.87	3.5	ug/Kg
191-24-2	Benzo(g,h,i)perylene	23		0.79	0.87	3.5	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.392		15-120		49	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.295		30-130		74	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.254		20-140		63	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3383		7.472			
1146-65-2	Naphthalene-d8	9106		10.231			
15067-26-2	Acenaphthene-d10	5404		14.117			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4CL0MSD	SDG No.:	BM072524
Lab Sample ID:	P3263-22MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	5.5
Sample Wt/Vol:	30.05 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
BM046799.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11183	16.874				
1719-03-5	Chrysene-d12	7573	21.082				
1520-96-3	Perylene-d12	9324	23.209				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.94	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4CH2	SDG No.:	BM072524
Lab Sample ID:	P3263-14	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	13.9
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046800.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

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	0.23	U	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	0.22	U	0.22	0.96	3.8	ug/Kg
208-96-8	Acenaphthylene	1	J	0.38	0.96	3.8	ug/Kg
83-32-9	Acenaphthene	0.21	U	0.21	0.96	3.8	ug/Kg
86-73-7	Fluorene	0.25	U	0.25	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	4.1		0.21	0.96	3.8	ug/Kg
120-12-7	Anthracene	0.2	U	0.2	0.96	3.8	ug/Kg
206-44-0	Fluoranthene	8.9		0.21	0.96	3.8	ug/Kg
129-00-0	Pyrene	7.2		0.28	0.96	3.8	ug/Kg
56-55-3	Benzo(a)anthracene	3.1	J	0.11	0.96	3.8	ug/Kg
218-01-9	Chrysene	4		0.29	0.96	3.8	ug/Kg
205-99-2	Benzo(b)fluoranthene	5.8		0.54	0.96	3.8	ug/Kg
207-08-9	Benzo(k)fluoranthene	1.9	J	0.37	0.96	3.8	ug/Kg
50-32-8	Benzo(a)pyrene	4.6		0.37	0.96	3.8	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3	J	0.6	0.96	3.8	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.4	J	0.54	0.96	3.8	ug/Kg
191-24-2	Benzo(g,h,i)perylene	3	J	0.87	0.96	3.8	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.796		15-120		35	SPK: -8
93951-69-0	Fluoranthene-d10	0.309		30-130		77	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.221		20-140		55	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4211		7.472			
1146-65-2	Naphthalene-d8	12489		10.233			
15067-26-2	Acenaphthene-d10	8001		14.118			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4CH2	SDG No.:	BM072524
Lab Sample ID:	P3263-14	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	13.9
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
BM046800.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	17548	16.871				
1719-03-5	Chrysene-d12	9273	21.081				
1520-96-3	Perylene-d12	7240	23.209				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/16/2024 12:00:00 AM
Project:		Date Received:	7/16/2024 12:00:00 AM
Client Sample ID:	A4D63	SDG No.:	BM072524
Lab Sample ID:	P3264-21	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046801.D	1	7/18/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162156

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	0.03	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	2.634		15-120		33	SPK: -8
93951-69-0	Fluoranthene-d10	0.478		30-130		119	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.353		30-130		88	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3724		7.472			
1146-65-2	Naphthalene-d8	10839		10.231			
15067-26-2	Acenaphthene-d10	7478		14.117			

Report of Analysis

Client:		Date Collected:	7/16/2024 12:00:00 AM
Project:		Date Received:	7/16/2024 12:00:00 AM
Client Sample ID:	A4D63	SDG No.:	BM072524
Lab Sample ID:	P3264-21	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
BM046801.D	1	7/18/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162156

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	15870	16.874				
1719-03-5	Chrysene-d12	8723	21.079				
1520-96-3	Perylene-d12	7280	23.209				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	7/16/2024 12:00:00 AM
Project:		Date Received:	7/16/2024 12:00:00 AM
Client Sample ID:	SLCS099	SDG No.:	BM072524
Lab Sample ID:	PB162099BS	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
BM046802.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

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	11		0.2	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	11		0.52	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	11		0.19	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	11		0.33	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	11		0.18	0.83	3.3	ug/Kg
86-73-7	Fluorene	10		0.22	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	18		2	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	10		0.18	0.83	3.3	ug/Kg
120-12-7	Anthracene	11		0.17	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	12		0.18	0.83	3.3	ug/Kg
129-00-0	Pyrene	13		0.24	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	11		0.09	0.83	3.3	ug/Kg
218-01-9	Chrysene	10		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	9.9		0.32	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	12		0.32	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	9.4		0.52	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	9.8		0.47	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	8.6		0.75	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.6		15-120		75	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.4		30-130		100	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.332		20-140		83	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3153	7.472				
1146-65-2	Naphthalene-d8	9023	10.227				
15067-26-2	Acenaphthene-d10	5854	14.118				

Report of Analysis

Client:		Date Collected:	7/16/2024 12:00:00 AM
Project:		Date Received:	7/16/2024 12:00:00 AM
Client Sample ID:	SLCS099	SDG No.:	BM072524
Lab Sample ID:	PB162099BS	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
BM046802.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12525	16.871				
1719-03-5	Chrysene-d12	8131	21.081				
1520-96-3	Perylene-d12	7115	23.209				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	SBLK156	SDG No.:	BM072524
Lab Sample ID:	PB162156BL	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
BM046804.D	1	7/18/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162156

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	5.637		15-120		70	SPK: -8
93951-69-0	Fluoranthene-d10	0.32		30-130		80	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.314		30-130		79	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3169	7.472				
1146-65-2	Naphthalene-d8	9134	10.227				
15067-26-2	Acenaphthene-d10	5925	14.118				

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	SBLK156	SDG No.:	BM072524
Lab Sample ID:	PB162156BL	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
BM046804.D	1	7/18/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162156

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	13004	16.871				
1719-03-5	Chrysene-d12	9072	21.082				
1520-96-3	Perylene-d12	6171	23.209				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BA0	SDG No.:	BM072524
Lab Sample ID:	P3263-01	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
BM046805.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

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	7.3		0.2	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	3.3		0.52	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	4.3		0.19	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	7.3		0.33	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	18		0.18	0.83	3.3	ug/Kg
86-73-7	Fluorene	16		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	210	E	0.18	0.83	3.3	ug/Kg
120-12-7	Anthracene	38		0.17	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	480	E	0.18	0.83	3.3	ug/Kg
129-00-0	Pyrene	300	E	0.24	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	160	E	0.09	0.83	3.3	ug/Kg
218-01-9	Chrysene	170	E	0.25	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	210	E	0.47	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	76	E	0.32	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	100	E	0.32	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85	E	0.52	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	35		0.47	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	12		0.75	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.111		15-120		39	SPK: -8
93951-69-0	Fluoranthene-d10	0.3		30-130		75	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.216		20-140		54	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3626		7.472			
1146-65-2	Naphthalene-d8	10597		10.231			
15067-26-2	Acenaphthene-d10	6886		14.117			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BA0	SDG No.:	BM072524
Lab Sample ID:	P3263-01	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
BM046805.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	16055	16.87				
1719-03-5	Chrysene-d12	9636	21.079				
1520-96-3	Perylene-d12	8851	23.209				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BA2	SDG No.:	BM072524
Lab Sample ID:	P3263-02	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	27.4
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
BM046806.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	U	1.2	0	9.2	ug/Kg
91-20-3	Naphthalene	25		0.28	1.1	4.5	ug/Kg
90-12-0	1-Methylnaphthalene	15		0.72	1.1	4.5	ug/Kg
91-57-6	2-Methylnaphthalene	18		0.26	1.1	4.5	ug/Kg
208-96-8	Acenaphthylene	34		0.45	1.1	4.5	ug/Kg
83-32-9	Acenaphthene	65		0.25	1.1	4.5	ug/Kg
86-73-7	Fluorene	68		0.3	1.1	4.5	ug/Kg
87-86-5	Pentachlorophenol	2.8	U	2.8	2.3	9.2	ug/Kg
85-01-8	Phenanthrene	880	E	0.25	1.1	4.5	ug/Kg
120-12-7	Anthracene	170	E	0.23	1.1	4.5	ug/Kg
206-44-0	Fluoranthene	2300	E	0.25	1.1	4.5	ug/Kg
129-00-0	Pyrene	1400	E	0.33	1.1	4.5	ug/Kg
56-55-3	Benzo(a)anthracene	730	E	0.13	1.1	4.5	ug/Kg
218-01-9	Chrysene	740	E	0.34	1.1	4.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	860	E	0.65	1.1	4.5	ug/Kg
207-08-9	Benzo(k)fluoranthene	270	E	0.44	1.1	4.5	ug/Kg
50-32-8	Benzo(a)pyrene	440	E	0.44	1.1	4.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	280	E	0.72	1.1	4.5	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	E	0.65	1.1	4.5	ug/Kg
191-24-2	Benzo(g,h,i)perylene	50		1	1.1	4.5	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.473		15-120		43	SPK: -8
93951-69-0	Fluoranthene-d10	0.366		30-130		91	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.246		20-140		62	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4590		7.472			
1146-65-2	Naphthalene-d8	13559		10.226			
15067-26-2	Acenaphthene-d10	8735		14.117			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BA2	SDG No.:	BM072524
Lab Sample ID:	P3263-02	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	27.4
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
BM046806.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	20274	16.874				
1719-03-5	Chrysene-d12	9878	21.082				
1520-96-3	Perylene-d12	10019	23.209				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.2	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BA5	SDG No.:	BM072524
Lab Sample ID:	P3263-03	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	6.3
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
BM046807.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.95	U	0.95	0	7.1	ug/Kg
91-20-3	Naphthalene	4.6		0.21	0.88	3.5	ug/Kg
90-12-0	1-Methylnaphthalene	2.4	J	0.55	0.88	3.5	ug/Kg
91-57-6	2-Methylnaphthalene	3.3	J	0.2	0.88	3.5	ug/Kg
208-96-8	Acenaphthylene	11		0.35	0.88	3.5	ug/Kg
83-32-9	Acenaphthene	15		0.19	0.88	3.5	ug/Kg
86-73-7	Fluorene	12		0.23	0.88	3.5	ug/Kg
87-86-5	Pentachlorophenol	2.1	U	2.1	1.8	7.1	ug/Kg
85-01-8	Phenanthrene	210	E	0.19	0.88	3.5	ug/Kg
120-12-7	Anthracene	43		0.18	0.88	3.5	ug/Kg
206-44-0	Fluoranthene	620	E	0.19	0.88	3.5	ug/Kg
129-00-0	Pyrene	370	E	0.26	0.88	3.5	ug/Kg
56-55-3	Benzo(a)anthracene	190	E	0.1	0.88	3.5	ug/Kg
218-01-9	Chrysene	200	E	0.27	0.88	3.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	240	E	0.5	0.88	3.5	ug/Kg
207-08-9	Benzo(k)fluoranthene	84	E	0.34	0.88	3.5	ug/Kg
50-32-8	Benzo(a)pyrene	120	E	0.34	0.88	3.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83	E	0.55	0.88	3.5	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	36		0.5	0.88	3.5	ug/Kg
191-24-2	Benzo(g,h,i)perylene	16		0.8	0.88	3.5	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.247		15-120		41	SPK: -8
93951-69-0	Fluoranthene-d10	0.404		30-130		101	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.256		20-140		64	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5160		7.472			
1146-65-2	Naphthalene-d8	15168		10.227			
15067-26-2	Acenaphthene-d10	12667		14.118			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BA5	SDG No.:	BM072524
Lab Sample ID:	P3263-03	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	6.3
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
BM046807.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	20708	16.871				
1719-03-5	Chrysene-d12	8958	21.082				
1520-96-3	Perylene-d12	9046	23.212				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.95	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BA7	SDG No.:	BM072524
Lab Sample ID:	P3263-05	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	14.3
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
BM046808.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

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	110	E	0.23	0.96	3.8	ug/Kg
90-12-0	1-Methylnaphthalene	43		0.6	0.96	3.8	ug/Kg
91-57-6	2-Methylnaphthalene	60		0.22	0.96	3.8	ug/Kg
208-96-8	Acenaphthylene	14		0.38	0.96	3.8	ug/Kg
83-32-9	Acenaphthene	150	E	0.21	0.96	3.8	ug/Kg
86-73-7	Fluorene	170	E	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	760	E	0.21	0.96	3.8	ug/Kg
120-12-7	Anthracene	190	E	0.2	0.96	3.8	ug/Kg
206-44-0	Fluoranthene	1300	E	0.21	0.96	3.8	ug/Kg
129-00-0	Pyrene	960	E	0.28	0.96	3.8	ug/Kg
56-55-3	Benzo(a)anthracene	440	E	0.11	0.96	3.8	ug/Kg
218-01-9	Chrysene	370	E	0.29	0.96	3.8	ug/Kg
205-99-2	Benzo(b)fluoranthene	390	E	0.55	0.96	3.8	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	E	0.37	0.96	3.8	ug/Kg
50-32-8	Benzo(a)pyrene	340	E	0.37	0.96	3.8	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	E	0.6	0.96	3.8	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57		0.55	0.96	3.8	ug/Kg
191-24-2	Benzo(g,h,i)perylene	51		0.87	0.96	3.8	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.053		15-120		38	SPK: -8
93951-69-0	Fluoranthene-d10	0.426		30-130		106	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.238		20-140		60	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5112		7.472			
1146-65-2	Naphthalene-d8	14849		10.231			
15067-26-2	Acenaphthene-d10	9397		14.117			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BA7	SDG No.:	BM072524
Lab Sample ID:	P3263-05	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	14.3
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
BM046808.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	19901	16.874				
1719-03-5	Chrysene-d12	8279	21.082				
1520-96-3	Perylene-d12	9669	23.212				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BB0	SDG No.:	BM072524
Lab Sample ID:	P3263-07	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	10.9
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046809.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1	U	1	0	7.5	ug/Kg
91-20-3	Naphthalene	59		0.22	0.93	3.7	ug/Kg
90-12-0	1-Methylnaphthalene	21		0.58	0.93	3.7	ug/Kg
91-57-6	2-Methylnaphthalene	31		0.21	0.93	3.7	ug/Kg
208-96-8	Acenaphthylene	29		0.37	0.93	3.7	ug/Kg
83-32-9	Acenaphthene	95	E	0.2	0.93	3.7	ug/Kg
86-73-7	Fluorene	100	E	0.25	0.93	3.7	ug/Kg
87-86-5	Pentachlorophenol	2.2	U	2.2	1.9	7.5	ug/Kg
85-01-8	Phenanthrene	1000	E	0.2	0.93	3.7	ug/Kg
120-12-7	Anthracene	200	E	0.19	0.93	3.7	ug/Kg
206-44-0	Fluoranthene	2100	E	0.2	0.93	3.7	ug/Kg
129-00-0	Pyrene	1200	E	0.27	0.93	3.7	ug/Kg
56-55-3	Benzo(a)anthracene	660	E	0.1	0.93	3.7	ug/Kg
218-01-9	Chrysene	640	E	0.28	0.93	3.7	ug/Kg
205-99-2	Benzo(b)fluoranthene	640	E	0.53	0.93	3.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	210	E	0.36	0.93	3.7	ug/Kg
50-32-8	Benzo(a)pyrene	320	E	0.36	0.93	3.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	200	E	0.58	0.93	3.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	92	E	0.53	0.93	3.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	34		0.84	0.93	3.7	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.966		15-120		50	SPK: -8
93951-69-0	Fluoranthene-d10	0.444		30-130		111	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.272		20-140		68	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4566		7.472			
1146-65-2	Naphthalene-d8	13130		10.227			
15067-26-2	Acenaphthene-d10	8134		14.118			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BB0	SDG No.:	BM072524
Lab Sample ID:	P3263-07	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	10.9
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
BM046809.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	16844	16.875				
1719-03-5	Chrysene-d12	7102	21.084				
1520-96-3	Perylene-d12	8973	23.212				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BD6	SDG No.:	BM072524
Lab Sample ID:	P3263-10	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	5
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
BM046810.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.94	U	0.94	0	7.1	ug/Kg
91-20-3	Naphthalene	28		0.21	0.87	3.5	ug/Kg
90-12-0	1-Methylnaphthalene	14		0.55	0.87	3.5	ug/Kg
91-57-6	2-Methylnaphthalene	18		0.2	0.87	3.5	ug/Kg
208-96-8	Acenaphthylene	18		0.35	0.87	3.5	ug/Kg
83-32-9	Acenaphthene	43		0.19	0.87	3.5	ug/Kg
86-73-7	Fluorene	44		0.23	0.87	3.5	ug/Kg
87-86-5	Pentachlorophenol	2.1	U	2.1	1.8	7.1	ug/Kg
85-01-8	Phenanthrene	590	E	0.19	0.87	3.5	ug/Kg
120-12-7	Anthracene	74	E	0.18	0.87	3.5	ug/Kg
206-44-0	Fluoranthene	1100	E	0.19	0.87	3.5	ug/Kg
129-00-0	Pyrene	640	E	0.25	0.87	3.5	ug/Kg
56-55-3	Benzo(a)anthracene	330	E	0.1	0.87	3.5	ug/Kg
218-01-9	Chrysene	340	E	0.26	0.87	3.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	370	E	0.49	0.87	3.5	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	E	0.34	0.87	3.5	ug/Kg
50-32-8	Benzo(a)pyrene	170	E	0.34	0.87	3.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	E	0.55	0.87	3.5	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55		0.49	0.87	3.5	ug/Kg
191-24-2	Benzo(g,h,i)perylene	21		0.79	0.87	3.5	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.947		15-120		49	SPK: -8
93951-69-0	Fluoranthene-d10	0.483		30-130		121	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.29		20-140		72	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4952		7.472			
1146-65-2	Naphthalene-d8	14234		10.227			
15067-26-2	Acenaphthene-d10	8644		14.118			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BD6	SDG No.:	BM072524
Lab Sample ID:	P3263-10	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	5
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
BM046810.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	18063	16.871				
1719-03-5	Chrysene-d12	7176	21.082				
1520-96-3	Perylene-d12	8291	23.212				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.94	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4CK9	SDG No.:	BM072524
Lab Sample ID:	P3263-19	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	12.2
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046811.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

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	21		0.23	0.94	3.7	ug/Kg
90-12-0	1-Methylnaphthalene	9.5		0.59	0.94	3.7	ug/Kg
91-57-6	2-Methylnaphthalene	14		0.22	0.94	3.7	ug/Kg
208-96-8	Acenaphthylene	28		0.37	0.94	3.7	ug/Kg
83-32-9	Acenaphthene	20		0.2	0.94	3.7	ug/Kg
86-73-7	Fluorene	20		0.25	0.94	3.7	ug/Kg
87-86-5	Pentachlorophenol	3.1	J	2.3	1.9	7.6	ug/Kg
85-01-8	Phenanthrene	270	E	0.2	0.94	3.7	ug/Kg
120-12-7	Anthracene	58		0.19	0.94	3.7	ug/Kg
206-44-0	Fluoranthene	500	E	0.2	0.94	3.7	ug/Kg
129-00-0	Pyrene	330	E	0.27	0.94	3.7	ug/Kg
56-55-3	Benzo(a)anthracene	210	E	0.11	0.94	3.7	ug/Kg
218-01-9	Chrysene	220	E	0.28	0.94	3.7	ug/Kg
205-99-2	Benzo(b)fluoranthene	290	E	0.53	0.94	3.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	E	0.36	0.94	3.7	ug/Kg
50-32-8	Benzo(a)pyrene	150	E	0.36	0.94	3.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	97	E	0.59	0.94	3.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	44		0.53	0.94	3.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	17		0.85	0.94	3.7	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.9		15-120		36	SPK: -8
93951-69-0	Fluoranthene-d10	0.279		30-130		70	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.241		20-140		60	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4682		7.472			
1146-65-2	Naphthalene-d8	13237		10.231			
15067-26-2	Acenaphthene-d10	8080		14.117			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4CK9	SDG No.:	BM072524
Lab Sample ID:	P3263-19	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	12.2
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
BM046811.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	15140	16.874				
1719-03-5	Chrysene-d12	8467	21.085				
1520-96-3	Perylene-d12	8349	23.215				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BB2	SDG No.:	BM072524
Lab Sample ID:	P3263-09	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	16.6
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
BM046812.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	8	ug/Kg
91-20-3	Naphthalene	79	E	0.24	0.99	4	ug/Kg
90-12-0	1-Methylnaphthalene	27		0.62	0.99	4	ug/Kg
91-57-6	2-Methylnaphthalene	40		0.23	0.99	4	ug/Kg
208-96-8	Acenaphthylene	22		0.4	0.99	4	ug/Kg
83-32-9	Acenaphthene	140	E	0.22	0.99	4	ug/Kg
86-73-7	Fluorene	150	E	0.26	0.99	4	ug/Kg
87-86-5	Pentachlorophenol	2.4	U	2.4	2	8	ug/Kg
85-01-8	Phenanthrene	1200	E	0.22	0.99	4	ug/Kg
120-12-7	Anthracene	200	E	0.2	0.99	4	ug/Kg
206-44-0	Fluoranthene	1600	E	0.22	0.99	4	ug/Kg
129-00-0	Pyrene	1100	E	0.29	0.99	4	ug/Kg
56-55-3	Benzo(a)anthracene	550	E	0.11	0.99	4	ug/Kg
218-01-9	Chrysene	510	E	0.3	0.99	4	ug/Kg
205-99-2	Benzo(b)fluoranthene	470	E	0.56	0.99	4	ug/Kg
207-08-9	Benzo(k)fluoranthene	170	E	0.38	0.99	4	ug/Kg
50-32-8	Benzo(a)pyrene	240	E	0.38	0.99	4	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	E	0.62	0.99	4	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	88	E	0.56	0.99	4	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29		0.9	0.99	4	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.418		15-120		43	SPK: -8
93951-69-0	Fluoranthene-d10	0.366		30-130		91	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	4281		7.472			
1146-65-2	Naphthalene-d8	12744		10.227			
15067-26-2	Acenaphthene-d10	8238		14.118			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BB2	SDG No.:	BM072524
Lab Sample ID:	P3263-09	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	16.6
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
BM046812.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	19066	16.875				
1719-03-5	Chrysene-d12	10028	21.085				
1520-96-3	Perylene-d12	10209	23.212				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4CK8	SDG No.:	BM072524
Lab Sample ID:	P3263-18	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	11.7
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	Level :
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046813.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

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	37		0.23	0.93	3.7	ug/Kg
90-12-0	1-Methylnaphthalene	19		0.59	0.93	3.7	ug/Kg
91-57-6	2-Methylnaphthalene	30		0.22	0.93	3.7	ug/Kg
208-96-8	Acenaphthylene	32		0.37	0.93	3.7	ug/Kg
83-32-9	Acenaphthene	43		0.2	0.93	3.7	ug/Kg
86-73-7	Fluorene	59		0.25	0.93	3.7	ug/Kg
87-86-5	Pentachlorophenol	2.3	U	2.3	1.9	7.6	ug/Kg
85-01-8	Phenanthrene	540	E	0.2	0.93	3.7	ug/Kg
120-12-7	Anthracene	100	E	0.19	0.93	3.7	ug/Kg
206-44-0	Fluoranthene	930	E	0.2	0.93	3.7	ug/Kg
129-00-0	Pyrene	590	E	0.27	0.93	3.7	ug/Kg
56-55-3	Benzo(a)anthracene	360	E	0.11	0.93	3.7	ug/Kg
218-01-9	Chrysene	340	E	0.28	0.93	3.7	ug/Kg
205-99-2	Benzo(b)fluoranthene	380	E	0.53	0.93	3.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	E	0.36	0.93	3.7	ug/Kg
50-32-8	Benzo(a)pyrene	210	E	0.36	0.93	3.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	E	0.59	0.93	3.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	58		0.53	0.93	3.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27		0.85	0.93	3.7	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.987		15-120		37	SPK: -8
93951-69-0	Fluoranthene-d10	0.339		30-130		85	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.243		20-140		61	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4514		7.472			
1146-65-2	Naphthalene-d8	13100		10.231			
15067-26-2	Acenaphthene-d10	8129		14.117			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4CK8	SDG No.:	BM072524
Lab Sample ID:	P3263-18	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	11.7
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
BM046813.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	16026	16.874				
1719-03-5	Chrysene-d12	6992	21.082				
1520-96-3	Perylene-d12	8394	23.215				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BB1	SDG No.:	BM072524
Lab Sample ID:	P3263-08	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	16.5
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	Level :
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046814.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	8	ug/Kg
91-20-3	Naphthalene	7.8		0.24	0.98	3.9	ug/Kg
90-12-0	1-Methylnaphthalene	3.8	J	0.62	0.98	3.9	ug/Kg
91-57-6	2-Methylnaphthalene	4.5		0.23	0.98	3.9	ug/Kg
208-96-8	Acenaphthylene	13		0.39	0.98	3.9	ug/Kg
83-32-9	Acenaphthene	16		0.21	0.98	3.9	ug/Kg
86-73-7	Fluorene	19		0.26	0.98	3.9	ug/Kg
87-86-5	Pentachlorophenol	2.4	U	2.4	2	8	ug/Kg
85-01-8	Phenanthrene	240	E	0.21	0.98	3.9	ug/Kg
120-12-7	Anthracene	50		0.2	0.98	3.9	ug/Kg
206-44-0	Fluoranthene	480	E	0.21	0.98	3.9	ug/Kg
129-00-0	Pyrene	300	E	0.29	0.98	3.9	ug/Kg
56-55-3	Benzo(a)anthracene	190	E	0.11	0.98	3.9	ug/Kg
218-01-9	Chrysene	180	E	0.3	0.98	3.9	ug/Kg
205-99-2	Benzo(b)fluoranthene	190	E	0.56	0.98	3.9	ug/Kg
207-08-9	Benzo(k)fluoranthene	71	E	0.38	0.98	3.9	ug/Kg
50-32-8	Benzo(a)pyrene	100	E	0.38	0.98	3.9	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64	E	0.62	0.98	3.9	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31		0.56	0.98	3.9	ug/Kg
191-24-2	Benzo(g,h,i)perylene	11		0.9	0.98	3.9	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.625		15-120		45	SPK: -8
93951-69-0	Fluoranthene-d10	0.351		30-130		88	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.263		20-140		66	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3951		7.472			
1146-65-2	Naphthalene-d8	11565		10.227			
15067-26-2	Acenaphthene-d10	6945		14.118			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BB1	SDG No.:	BM072524
Lab Sample ID:	P3263-08	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	16.5
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
BM046814.D	1	7/16/2024 12:00:00 AM	7/25/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	13729	16.875				
1719-03-5	Chrysene-d12	6833	21.084				
1520-96-3	Perylene-d12	7902	23.215				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BA8	SDG No.:	BM072524
Lab Sample ID:	P3263-06	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	6.2
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
BM046815.D	1	7/16/2024 12:00:00 AM	7/26/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.95	U	0.95	0	7.1	ug/Kg
91-20-3	Naphthalene	14		0.21	0.88	3.5	ug/Kg
90-12-0	1-Methylnaphthalene	5.5		0.55	0.88	3.5	ug/Kg
91-57-6	2-Methylnaphthalene	8.5		0.2	0.88	3.5	ug/Kg
208-96-8	Acenaphthylene	11		0.35	0.88	3.5	ug/Kg
83-32-9	Acenaphthene	11		0.19	0.88	3.5	ug/Kg
86-73-7	Fluorene	15		0.23	0.88	3.5	ug/Kg
87-86-5	Pentachlorophenol	2.1	U	2.1	1.8	7.1	ug/Kg
85-01-8	Phenanthrene	160	E	0.19	0.88	3.5	ug/Kg
120-12-7	Anthracene	25		0.18	0.88	3.5	ug/Kg
206-44-0	Fluoranthene	300	E	0.19	0.88	3.5	ug/Kg
129-00-0	Pyrene	190	E	0.26	0.88	3.5	ug/Kg
56-55-3	Benzo(a)anthracene	110	E	0.1	0.88	3.5	ug/Kg
218-01-9	Chrysene	120	E	0.27	0.88	3.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	E	0.5	0.88	3.5	ug/Kg
207-08-9	Benzo(k)fluoranthene	39		0.34	0.88	3.5	ug/Kg
50-32-8	Benzo(a)pyrene	64	E	0.34	0.88	3.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	42		0.55	0.88	3.5	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	18		0.5	0.88	3.5	ug/Kg
191-24-2	Benzo(g,h,i)perylene	7.6		0.8	0.88	3.5	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.622		15-120		45	SPK: -8
93951-69-0	Fluoranthene-d10	0.365		30-130		91	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.28		20-140		70	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4061		7.472			
1146-65-2	Naphthalene-d8	11932		10.227			
15067-26-2	Acenaphthene-d10	7248		14.118			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BA8	SDG No.:	BM072524
Lab Sample ID:	P3263-06	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	6.2
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
BM046815.D	1	7/16/2024 12:00:00 AM	7/26/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	14600	16.875				
1719-03-5	Chrysene-d12	7038	21.084				
1520-96-3	Perylene-d12	7904	23.215				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.95	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4CL0DL	SDG No.:	BM072524
Lab Sample ID:	P3263-20DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	5.5
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
BM046816.D	5	7/16/2024 12:00:00 AM	7/26/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.7	U	4.7	0	35	ug/Kg
91-20-3	Naphthalene	43	D	1.1	4.4	17	ug/Kg
90-12-0	1-Methylnaphthalene	13	JD	2.8	4.4	17	ug/Kg
91-57-6	2-Methylnaphthalene	19	D	1	4.4	17	ug/Kg
208-96-8	Acenaphthylene	49	D	1.7	4.4	17	ug/Kg
83-32-9	Acenaphthene	65	D	0.95	4.4	17	ug/Kg
86-73-7	Fluorene	49	D	1.2	4.4	17	ug/Kg
87-86-5	Pentachlorophenol	11	U	11	8.9	35	ug/Kg
85-01-8	Phenanthrene	500	ED	0.95	4.4	17	ug/Kg
120-12-7	Anthracene	110	D	0.9	4.4	17	ug/Kg
206-44-0	Fluoranthene	1100	ED	0.95	4.4	17	ug/Kg
129-00-0	Pyrene	760	ED	1.3	4.4	17	ug/Kg
56-55-3	Benzo(a)anthracene	410	ED	0.49	4.4	17	ug/Kg
218-01-9	Chrysene	410	ED	1.3	4.4	17	ug/Kg
205-99-2	Benzo(b)fluoranthene	310	ED	2.5	4.4	17	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	D	1.7	4.4	17	ug/Kg
50-32-8	Benzo(a)pyrene	200	D	1.7	4.4	17	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	D	2.8	4.4	17	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	51	D	2.5	4.4	17	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25	D	4	4.4	17	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.62		15-120		45	SPK: -8
93951-69-0	Fluoranthene-d10	0.445		30-130		111	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.315		20-140		79	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4408		7.472			
1146-65-2	Naphthalene-d8	13109		10.227			
15067-26-2	Acenaphthene-d10	8750		14.118			

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4CL0DL	SDG No.:	BM072524
Lab Sample ID:	P3263-20DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	5.5
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
BM046816.D	5	7/16/2024 12:00:00 AM	7/26/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	18051	16.875				
1719-03-5	Chrysene-d12	8214	21.084				
1520-96-3	Perylene-d12	13040	23.212				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	4.7	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BA0DL	SDG No.:	BM072524
Lab Sample ID:	P3263-01DL	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
BM046817.D	5	7/16/2024 12:00:00 AM	7/26/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.5	U	4.5	0	34	ug/Kg
91-20-3	Naphthalene	8.2	JD	1	4.1	17	ug/Kg
90-12-0	1-Methylnaphthalene	3.5	JD	2.6	4.1	17	ug/Kg
91-57-6	2-Methylnaphthalene	4.7	JD	0.95	4.1	17	ug/Kg
208-96-8	Acenaphthylene	12	JD	1.7	4.1	17	ug/Kg
83-32-9	Acenaphthene	21	D	0.9	4.1	17	ug/Kg
86-73-7	Fluorene	18	D	1.1	4.1	17	ug/Kg
87-86-5	Pentachlorophenol	10	U	10	8.4	34	ug/Kg
85-01-8	Phenanthrene	240	D	0.9	4.1	17	ug/Kg
120-12-7	Anthracene	47	D	0.85	4.1	17	ug/Kg
206-44-0	Fluoranthene	500	ED	0.9	4.1	17	ug/Kg
129-00-0	Pyrene	320	ED	1.2	4.1	17	ug/Kg
56-55-3	Benzo(a)anthracene	180	D	0.47	4.1	17	ug/Kg
218-01-9	Chrysene	200	D	1.3	4.1	17	ug/Kg
205-99-2	Benzo(b)fluoranthene	240	D	2.4	4.1	17	ug/Kg
207-08-9	Benzo(k)fluoranthene	77	D	1.6	4.1	17	ug/Kg
50-32-8	Benzo(a)pyrene	120	D	1.6	4.1	17	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82	D	2.6	4.1	17	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	34	D	2.4	4.1	17	ug/Kg
191-24-2	Benzo(g,h,i)perylene	15	JD	3.8	4.1	17	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.14		15-120		39	SPK: -8
93951-69-0	Fluoranthene-d10	0.31		30-130		77	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.235		20-140		59	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4015	7.472				
1146-65-2	Naphthalene-d8	11446	10.227				
15067-26-2	Acenaphthene-d10	7013	14.118				

Report of Analysis

Client:		Date Collected:	7/15/2024 12:00:00 AM
Project:		Date Received:	7/15/2024 12:00:00 AM
Client Sample ID:	A4BA0DL	SDG No.:	BM072524
Lab Sample ID:	P3263-01DL	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
BM046817.D	5	7/16/2024 12:00:00 AM	7/26/2024 12:00:00 AM	PB162099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	13794	16.871				
1719-03-5	Chrysene-d12	8565	21.082				
1520-96-3	Perylene-d12	8995	23.212				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	4.5	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	SLCS156	SDG No.:	BM072524
Lab Sample ID:	PB162156BS	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
BM046818.D	1	7/18/2024 12:00:00 AM	7/26/2024 12:00:00 AM	PB162156

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.7		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	0.44		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.45		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.45		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.46		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.42		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.69		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.42		0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.43		0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.53		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.52		0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.45		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.43		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.39		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.38		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.49		0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.42		0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.44		0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.38		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.704		15-120		88	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.527	*	30-130		132	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.438		30-130		109	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3238		7.472			
1146-65-2	Naphthalene-d8	9439		10.226			
15067-26-2	Acenaphthene-d10	5942		14.117			

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	SLCS156	SDG No.:	BM072524
Lab Sample ID:	PB162156BS	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
BM046818.D	1	7/18/2024 12:00:00 AM	7/26/2024 12:00:00 AM	PB162156

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11760	16.874				
1719-03-5	Chrysene-d12	6608	21.082				
1520-96-3	Perylene-d12	7007	23.212				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Hit Summary Sheet SW-846

SDG No.: BM072524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : A4BA0								
P3263-01	A4BA0	Solid	Total Alkanes	*	0.000	0.89	6.7	ug/Kg
			Total Tics :			0.00		
P3263-01	A4BA0	Solid	1-Methylnaphthalene	3.300	0.52		3.3	ug/Kg
P3263-01	A4BA0	Solid	2-Methylnaphthalene	4.300	0.19		3.3	ug/Kg
P3263-01	A4BA0	Solid	Acenaphthene	18.000	0.18		3.3	ug/Kg
P3263-01	A4BA0	Solid	Acenaphthylene	7.300	0.33		3.3	ug/Kg
P3263-01	A4BA0	Solid	Anthracene	38.000	0.17		3.3	ug/Kg
P3263-01	A4BA0	Solid	Benzo(a)anthracene	160.000	E 0.09		3.3	ug/Kg
P3263-01	A4BA0	Solid	Benzo(a)pyrene	100.000	E 0.32		3.3	ug/Kg
P3263-01	A4BA0	Solid	Benzo(b)fluoranthene	210.000	E 0.47		3.3	ug/Kg
P3263-01	A4BA0	Solid	Benzo(g,h,i)perylene	12.000	0.75		3.3	ug/Kg
P3263-01	A4BA0	Solid	Benzo(k)fluoranthene	76.000	E 0.32		3.3	ug/Kg
P3263-01	A4BA0	Solid	Chrysene	170.000	E 0.25		3.3	ug/Kg
P3263-01	A4BA0	Solid	Dibenzo(a,h)anthracene	35.000	0.47		3.3	ug/Kg
P3263-01	A4BA0	Solid	Fluoranthene	480.000	E 0.18		3.3	ug/Kg
P3263-01	A4BA0	Solid	Fluorene	16.000	0.22		3.3	ug/Kg
P3263-01	A4BA0	Solid	Indeno(1,2,3-cd)pyrene	85.000	E 0.52		3.3	ug/Kg
P3263-01	A4BA0	Solid	Naphthalene	7.300	0.2		3.3	ug/Kg
P3263-01	A4BA0	Solid	Phenanthrene	210.000	E 0.18		3.3	ug/Kg
P3263-01	A4BA0	Solid	Pyrene	300.000	E 0.24		3.3	ug/Kg
			Total Svoc :			1,932.20		
			Total Concentration:			1,932.20		
Client ID : A4BA0DL								
P3263-01DL	A4BA0DL	Solid	Total Alkanes	*	0.000	D 4.5	34	ug/Kg
			Total Tics :			0.00		
P3263-01DL	A4BA0DL	Solid	1-Methylnaphthalene	3.500	JD 2.6		17	ug/Kg
P3263-01DL	A4BA0DL	Solid	2-Methylnaphthalene	4.700	JD 0.95		17	ug/Kg
P3263-01DL	A4BA0DL	Solid	Acenaphthene	21.000	D 0.9		17	ug/Kg
P3263-01DL	A4BA0DL	Solid	Acenaphthylene	12.000	JD 1.7		17	ug/Kg
P3263-01DL	A4BA0DL	Solid	Anthracene	47.000	D 0.85		17	ug/Kg
P3263-01DL	A4BA0DL	Solid	Benzo(a)anthracene	180.000	D 0.47		17	ug/Kg
P3263-01DL	A4BA0DL	Solid	Benzo(a)pyrene	120.000	D 1.6		17	ug/Kg
P3263-01DL	A4BA0DL	Solid	Benzo(b)fluoranthene	240.000	D 2.4		17	ug/Kg
P3263-01DL	A4BA0DL	Solid	Benzo(g,h,i)perylene	15.000	JD 3.8		17	ug/Kg
P3263-01DL	A4BA0DL	Solid	Benzo(k)fluoranthene	77.000	D 1.6		17	ug/Kg
P3263-01DL	A4BA0DL	Solid	Chrysene	200.000	D 1.3		17	ug/Kg
P3263-01DL	A4BA0DL	Solid	Dibenzo(a,h)anthracene	34.000	D 2.4		17	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM072524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3263-01DL	A4BA0DL	Solid	Fluoranthene	500.000	ED	0.9	17	ug/Kg
P3263-01DL	A4BA0DL	Solid	Fluorene	18.000	D	1.1	17	ug/Kg
P3263-01DL	A4BA0DL	Solid	Indeno(1,2,3-cd)pyrene	82.000	D	2.6	17	ug/Kg
P3263-01DL	A4BA0DL	Solid	Naphthalene	8.200	JD	1	17	ug/Kg
P3263-01DL	A4BA0DL	Solid	Phenanthrene	240.000	D	0.9	17	ug/Kg
P3263-01DL	A4BA0DL	Solid	Pyrene	320.000	ED	1.2	17	ug/Kg
Total Svoc :				2,122.40				
Total Concentration:				2,122.40				

Client ID : A4BA2

P3263-02	A4BA2	Solid	Total Alkanes	*	0.000	1.2	9.2	ug/Kg
Total Tics :				0.00				
P3263-02	A4BA2	Solid	1-Methylnaphthalene		15.000	0.72	4.5	ug/Kg
P3263-02	A4BA2	Solid	2-Methylnaphthalene		18.000	0.26	4.5	ug/Kg
P3263-02	A4BA2	Solid	Acenaphthene		65.000	0.25	4.5	ug/Kg
P3263-02	A4BA2	Solid	Acenaphthylene		34.000	0.45	4.5	ug/Kg
P3263-02	A4BA2	Solid	Anthracene		170.000	E 0.23	4.5	ug/Kg
P3263-02	A4BA2	Solid	Benzo(a)anthracene		730.000	E 0.13	4.5	ug/Kg
P3263-02	A4BA2	Solid	Benzo(a)pyrene		440.000	E 0.44	4.5	ug/Kg
P3263-02	A4BA2	Solid	Benzo(b)fluoranthene		860.000	E 0.65	4.5	ug/Kg
P3263-02	A4BA2	Solid	Benzo(g,h,i)perylene		50.000	1	4.5	ug/Kg
P3263-02	A4BA2	Solid	Benzo(k)fluoranthene		270.000	E 0.44	4.5	ug/Kg
P3263-02	A4BA2	Solid	Chrysene		740.000	E 0.34	4.5	ug/Kg
P3263-02	A4BA2	Solid	Dibenzo(a,h)anthracene		120.000	E 0.65	4.5	ug/Kg
P3263-02	A4BA2	Solid	Fluoranthene		2,300.000	E 0.25	4.5	ug/Kg
P3263-02	A4BA2	Solid	Fluorene		68.000	0.3	4.5	ug/Kg
P3263-02	A4BA2	Solid	Indeno(1,2,3-cd)pyrene		280.000	E 0.72	4.5	ug/Kg
P3263-02	A4BA2	Solid	Naphthalene		25.000	0.28	4.5	ug/Kg
P3263-02	A4BA2	Solid	Phenanthrene		880.000	E 0.25	4.5	ug/Kg
P3263-02	A4BA2	Solid	Pyrene		1,400.000	E 0.33	4.5	ug/Kg
Total Svoc :				8,465.00				
Total Concentration:				8,465.00				

Client ID : A4BA5

P3263-03	A4BA5	Solid	Total Alkanes	*	0.000	0.95	7.1	ug/Kg
Total Tics :				0.00				
P3263-03	A4BA5	Solid	1-Methylnaphthalene		2.400	J 0.55	3.5	ug/Kg
P3263-03	A4BA5	Solid	2-Methylnaphthalene		3.300	J 0.2	3.5	ug/Kg
P3263-03	A4BA5	Solid	Acenaphthene		15.000	0.19	3.5	ug/Kg
P3263-03	A4BA5	Solid	Acenaphthylene		11.000	0.35	3.5	ug/Kg
P3263-03	A4BA5	Solid	Anthracene		43.000	0.18	3.5	ug/Kg
P3263-03	A4BA5	Solid	Benzo(a)anthracene		190.000	E 0.1	3.5	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM072524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3263-03	A4BA5	Solid	Benzo(a)pyrene	120.000	E	0.34	3.5	ug/Kg
P3263-03	A4BA5	Solid	Benzo(b)fluoranthene	240.000	E	0.5	3.5	ug/Kg
P3263-03	A4BA5	Solid	Benzo(g,h,i)perylene	16.000		0.8	3.5	ug/Kg
P3263-03	A4BA5	Solid	Benzo(k)fluoranthene	84.000	E	0.34	3.5	ug/Kg
P3263-03	A4BA5	Solid	Chrysene	200.000	E	0.27	3.5	ug/Kg
P3263-03	A4BA5	Solid	Dibenzo(a,h)anthracene	36.000		0.5	3.5	ug/Kg
P3263-03	A4BA5	Solid	Fluoranthene	620.000	E	0.19	3.5	ug/Kg
P3263-03	A4BA5	Solid	Fluorene	12.000		0.23	3.5	ug/Kg
P3263-03	A4BA5	Solid	Indeno(1,2,3-cd)pyrene	83.000	E	0.55	3.5	ug/Kg
P3263-03	A4BA5	Solid	Naphthalene	4.600		0.21	3.5	ug/Kg
P3263-03	A4BA5	Solid	Phenanthrene	210.000	E	0.19	3.5	ug/Kg
P3263-03	A4BA5	Solid	Pyrene	370.000	E	0.26	3.5	ug/Kg
Total Svoc :				2,260.30				
Total Concentration:				2,260.30				

Client ID : A4BA7

P3263-05	A4BA7	Solid	Total Alkanes	*	0.000	1	7.8	ug/Kg
			Total Tics :		0.00			
P3263-05	A4BA7	Solid	1-Methylnaphthalene		43.000	0.6	3.8	ug/Kg
P3263-05	A4BA7	Solid	2-Methylnaphthalene		60.000	0.22	3.8	ug/Kg
P3263-05	A4BA7	Solid	Acenaphthene		150.000	E 0.21	3.8	ug/Kg
P3263-05	A4BA7	Solid	Acenaphthylene		14.000	0.38	3.8	ug/Kg
P3263-05	A4BA7	Solid	Anthracene		190.000	E 0.2	3.8	ug/Kg
P3263-05	A4BA7	Solid	Benzo(a)anthracene		440.000	E 0.11	3.8	ug/Kg
P3263-05	A4BA7	Solid	Benzo(a)pyrene		340.000	E 0.37	3.8	ug/Kg
P3263-05	A4BA7	Solid	Benzo(b)fluoranthene		390.000	E 0.55	3.8	ug/Kg
P3263-05	A4BA7	Solid	Benzo(g,h,i)perylene		51.000	0.87	3.8	ug/Kg
P3263-05	A4BA7	Solid	Benzo(k)fluoranthene		120.000	E 0.37	3.8	ug/Kg
P3263-05	A4BA7	Solid	Chrysene		370.000	E 0.29	3.8	ug/Kg
P3263-05	A4BA7	Solid	Dibenzo(a,h)anthracene		57.000	0.55	3.8	ug/Kg
P3263-05	A4BA7	Solid	Fluoranthene		1,300.000	E 0.21	3.8	ug/Kg
P3263-05	A4BA7	Solid	Fluorene		170.000	E 0.26	3.8	ug/Kg
P3263-05	A4BA7	Solid	Indeno(1,2,3-cd)pyrene		150.000	E 0.6	3.8	ug/Kg
P3263-05	A4BA7	Solid	Naphthalene		110.000	E 0.23	3.8	ug/Kg
P3263-05	A4BA7	Solid	Phenanthrene		760.000	E 0.21	3.8	ug/Kg
P3263-05	A4BA7	Solid	Pyrene		960.000	E 0.28	3.8	ug/Kg
			Total Svoc :		5,675.00			
			Total Concentration:		5,675.00			

Client ID : A4BA8

P3263-06	A4BA8	Solid	Total Alkanes	*	0.000	0.95	7.1	ug/Kg
Total Tics :				0.00				

Hit Summary Sheet SW-846

SDG No.: BM072524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3263-06	A4BA8	Solid	1-Methylnaphthalene	5.500		0.55	3.5	ug/Kg
P3263-06	A4BA8	Solid	2-Methylnaphthalene	8.500		0.2	3.5	ug/Kg
P3263-06	A4BA8	Solid	Acenaphthene	11.000		0.19	3.5	ug/Kg
P3263-06	A4BA8	Solid	Acenaphthylene	11.000		0.35	3.5	ug/Kg
P3263-06	A4BA8	Solid	Anthracene	25.000		0.18	3.5	ug/Kg
P3263-06	A4BA8	Solid	Benzo(a)anthracene	110.000	E	0.1	3.5	ug/Kg
P3263-06	A4BA8	Solid	Benzo(a)pyrene	64.000	E	0.34	3.5	ug/Kg
P3263-06	A4BA8	Solid	Benzo(b)fluoranthene	130.000	E	0.5	3.5	ug/Kg
P3263-06	A4BA8	Solid	Benzo(g,h,i)perylene	7.600		0.8	3.5	ug/Kg
P3263-06	A4BA8	Solid	Benzo(k)fluoranthene	39.000		0.34	3.5	ug/Kg
P3263-06	A4BA8	Solid	Chrysene	120.000	E	0.27	3.5	ug/Kg
P3263-06	A4BA8	Solid	Dibenzo(a,h)anthracene	18.000		0.5	3.5	ug/Kg
P3263-06	A4BA8	Solid	Fluoranthene	300.000	E	0.19	3.5	ug/Kg
P3263-06	A4BA8	Solid	Fluorene	15.000		0.23	3.5	ug/Kg
P3263-06	A4BA8	Solid	Indeno(1,2,3-cd)pyrene	42.000		0.55	3.5	ug/Kg
P3263-06	A4BA8	Solid	Naphthalene	14.000		0.21	3.5	ug/Kg
P3263-06	A4BA8	Solid	Phenanthrene	160.000	E	0.19	3.5	ug/Kg
P3263-06	A4BA8	Solid	Pyrene	190.000	E	0.26	3.5	ug/Kg

Total Svoc :

1,270.60

Total Concentration:

1,270.60

Client ID : A4BB0

P3263-07	A4BB0	Solid	Total Alkanes	*	0.000	1	7.5	ug/Kg
Total Tics :					0.00			
P3263-07	A4BB0	Solid	1-Methylnaphthalene		21.000	0.58	3.7	ug/Kg
P3263-07	A4BB0	Solid	2-Methylnaphthalene		31.000	0.21	3.7	ug/Kg
P3263-07	A4BB0	Solid	Acenaphthene		95.000	E 0.2	3.7	ug/Kg
P3263-07	A4BB0	Solid	Acenaphthylene		29.000	0.37	3.7	ug/Kg
P3263-07	A4BB0	Solid	Anthracene		200.000	E 0.19	3.7	ug/Kg
P3263-07	A4BB0	Solid	Benzo(a)anthracene		660.000	E 0.1	3.7	ug/Kg
P3263-07	A4BB0	Solid	Benzo(a)pyrene		320.000	E 0.36	3.7	ug/Kg
P3263-07	A4BB0	Solid	Benzo(b)fluoranthene		640.000	E 0.53	3.7	ug/Kg
P3263-07	A4BB0	Solid	Benzo(g,h,i)perylene		34.000	0.84	3.7	ug/Kg
P3263-07	A4BB0	Solid	Benzo(k)fluoranthene		210.000	E 0.36	3.7	ug/Kg
P3263-07	A4BB0	Solid	Chrysene		640.000	E 0.28	3.7	ug/Kg
P3263-07	A4BB0	Solid	Dibenzo(a,h)anthracene		92.000	E 0.53	3.7	ug/Kg
P3263-07	A4BB0	Solid	Fluoranthene		2,100.000	E 0.2	3.7	ug/Kg
P3263-07	A4BB0	Solid	Fluorene		100.000	E 0.25	3.7	ug/Kg
P3263-07	A4BB0	Solid	Indeno(1,2,3-cd)pyrene		200.000	E 0.58	3.7	ug/Kg
P3263-07	A4BB0	Solid	Naphthalene		59.000	0.22	3.7	ug/Kg
P3263-07	A4BB0	Solid	Phenanthrene		1,000.000	E 0.2	3.7	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM072524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3263-07	A4BB0	Solid	Pyrene	1,200.000	E	0.27	3.7	ug/Kg
Total Svoc :				7,631.00				
Total Concentration:				7,631.00				
Client ID : A4BB1								
P3263-08	A4BB1	Solid	Total Alkanes	*	0.000	1.1	8	ug/Kg
Total Tics :				0.00				
P3263-08	A4BB1	Solid	1-Methylnaphthalene	3.800	J	0.62	3.9	ug/Kg
P3263-08	A4BB1	Solid	2-Methylnaphthalene	4.500		0.23	3.9	ug/Kg
P3263-08	A4BB1	Solid	Acenaphthene	16.000		0.21	3.9	ug/Kg
P3263-08	A4BB1	Solid	Acenaphthylene	13.000		0.39	3.9	ug/Kg
P3263-08	A4BB1	Solid	Anthracene	50.000		0.2	3.9	ug/Kg
P3263-08	A4BB1	Solid	Benzo(a)anthracene	190.000	E	0.11	3.9	ug/Kg
P3263-08	A4BB1	Solid	Benzo(a)pyrene	100.000	E	0.38	3.9	ug/Kg
P3263-08	A4BB1	Solid	Benzo(b)fluoranthene	190.000	E	0.56	3.9	ug/Kg
P3263-08	A4BB1	Solid	Benzo(g,h,i)perylene	11.000		0.9	3.9	ug/Kg
P3263-08	A4BB1	Solid	Benzo(k)fluoranthene	71.000	E	0.38	3.9	ug/Kg
P3263-08	A4BB1	Solid	Chrysene	180.000	E	0.3	3.9	ug/Kg
P3263-08	A4BB1	Solid	Dibenzo(a,h)anthracene	31.000		0.56	3.9	ug/Kg
P3263-08	A4BB1	Solid	Fluoranthene	480.000	E	0.21	3.9	ug/Kg
P3263-08	A4BB1	Solid	Fluorene	19.000		0.26	3.9	ug/Kg
P3263-08	A4BB1	Solid	Indeno(1,2,3-cd)pyrene	64.000	E	0.62	3.9	ug/Kg
P3263-08	A4BB1	Solid	Naphthalene	7.800		0.24	3.9	ug/Kg
P3263-08	A4BB1	Solid	Phenanthrene	240.000	E	0.21	3.9	ug/Kg
P3263-08	A4BB1	Solid	Pyrene	300.000	E	0.29	3.9	ug/Kg
Total Svoc :				1,971.10				
Total Concentration:				1,971.10				
Client ID : A4BB2								
P3263-09	A4BB2	Solid	Total Alkanes	*	0.000	1.1	8	ug/Kg
Total Tics :				0.00				
P3263-09	A4BB2	Solid	1-Methylnaphthalene	27.000		0.62	4	ug/Kg
P3263-09	A4BB2	Solid	2-Methylnaphthalene	40.000		0.23	4	ug/Kg
P3263-09	A4BB2	Solid	Acenaphthene	140.000	E	0.22	4	ug/Kg
P3263-09	A4BB2	Solid	Acenaphthylene	22.000		0.4	4	ug/Kg
P3263-09	A4BB2	Solid	Anthracene	200.000	E	0.2	4	ug/Kg
P3263-09	A4BB2	Solid	Benzo(a)anthracene	550.000	E	0.11	4	ug/Kg
P3263-09	A4BB2	Solid	Benzo(a)pyrene	240.000	E	0.38	4	ug/Kg
P3263-09	A4BB2	Solid	Benzo(b)fluoranthene	470.000	E	0.56	4	ug/Kg
P3263-09	A4BB2	Solid	Benzo(g,h,i)perylene	29.000		0.9	4	ug/Kg
P3263-09	A4BB2	Solid	Benzo(k)fluoranthene	170.000	E	0.38	4	ug/Kg
P3263-09	A4BB2	Solid	Chrysene	510.000	E	0.3	4	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM072524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3263-09	A4BB2	Solid	Dibenzo(a,h)anthracene	88.000	E	0.56	4	ug/Kg
P3263-09	A4BB2	Solid	Fluoranthene	1,600.000	E	0.22	4	ug/Kg
P3263-09	A4BB2	Solid	Fluorene	150.000	E	0.26	4	ug/Kg
P3263-09	A4BB2	Solid	Indeno(1,2,3-cd)pyrene	160.000	E	0.62	4	ug/Kg
P3263-09	A4BB2	Solid	Naphthalene	79.000	E	0.24	4	ug/Kg
P3263-09	A4BB2	Solid	Phenanthrene	1,200.000	E	0.22	4	ug/Kg
P3263-09	A4BB2	Solid	Pyrene	1,100.000	E	0.29	4	ug/Kg
Total Svoc :				6,775.00				
Total Concentration:				6,775.00				

Client ID : A4BD6

P3263-10	A4BD6	Solid	Total Alkanes	*	0.000	0.94	7.1	ug/Kg
Total Tics :				0.00				
P3263-10	A4BD6	Solid	1-Methylnaphthalene		14.000	0.55	3.5	ug/Kg
P3263-10	A4BD6	Solid	2-Methylnaphthalene		18.000	0.2	3.5	ug/Kg
P3263-10	A4BD6	Solid	Acenaphthene		43.000	0.19	3.5	ug/Kg
P3263-10	A4BD6	Solid	Acenaphthylene		18.000	0.35	3.5	ug/Kg
P3263-10	A4BD6	Solid	Anthracene		74.000	E 0.18	3.5	ug/Kg
P3263-10	A4BD6	Solid	Benzo(a)anthracene		330.000	E 0.1	3.5	ug/Kg
P3263-10	A4BD6	Solid	Benzo(a)pyrene		170.000	E 0.34	3.5	ug/Kg
P3263-10	A4BD6	Solid	Benzo(b)fluoranthene		370.000	E 0.49	3.5	ug/Kg
P3263-10	A4BD6	Solid	Benzo(g,h,i)perylene		21.000	0.79	3.5	ug/Kg
P3263-10	A4BD6	Solid	Benzo(k)fluoranthene		130.000	E 0.34	3.5	ug/Kg
P3263-10	A4BD6	Solid	Chrysene		340.000	E 0.26	3.5	ug/Kg
P3263-10	A4BD6	Solid	Dibenzo(a,h)anthracene		55.000	0.49	3.5	ug/Kg
P3263-10	A4BD6	Solid	Fluoranthene		1,100.000	E 0.19	3.5	ug/Kg
P3263-10	A4BD6	Solid	Fluorene		44.000	0.23	3.5	ug/Kg
P3263-10	A4BD6	Solid	Indeno(1,2,3-cd)pyrene		120.000	E 0.55	3.5	ug/Kg
P3263-10	A4BD6	Solid	Naphthalene		28.000	0.21	3.5	ug/Kg
P3263-10	A4BD6	Solid	Phenanthrene		590.000	E 0.19	3.5	ug/Kg
P3263-10	A4BD6	Solid	Pyrene		640.000	E 0.25	3.5	ug/Kg
Total Svoc :				4,105.00				
Total Concentration:				4,105.00				

Client ID : A4CH2

P3263-14	A4CH2	Solid	Total Alkanes	*	0.000	1	7.8	ug/Kg
Total Tics :				0.00				
P3263-14	A4CH2	Solid	Acenaphthylene		1.000	J 0.38	3.8	ug/Kg
P3263-14	A4CH2	Solid	Benzo(a)anthracene		3.100	J 0.11	3.8	ug/Kg
P3263-14	A4CH2	Solid	Benzo(a)pyrene		4.600	0.37	3.8	ug/Kg
P3263-14	A4CH2	Solid	Benzo(b)fluoranthene		5.800	0.54	3.8	ug/Kg
P3263-14	A4CH2	Solid	Benzo(g,h,i)perylene		3.000	J 0.87	3.8	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM072524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3263-14	A4CH2	Solid	Benzo(k)fluoranthene	1.900	J	0.37	3.8	ug/Kg
P3263-14	A4CH2	Solid	Chrysene	4.000		0.29	3.8	ug/Kg
P3263-14	A4CH2	Solid	Dibenzo(a,h)anthracene	1.400	J	0.54	3.8	ug/Kg
P3263-14	A4CH2	Solid	Fluoranthene	8.900		0.21	3.8	ug/Kg
P3263-14	A4CH2	Solid	Indeno(1,2,3-cd)pyrene	3.000	J	0.6	3.8	ug/Kg
P3263-14	A4CH2	Solid	Phenanthrene	4.100		0.21	3.8	ug/Kg
P3263-14	A4CH2	Solid	Pyrene	7.200		0.28	3.8	ug/Kg
Total Svoc :				48.00				
Total Concentration:				48.00				

Client ID : A4CK8

P3263-18	A4CK8	Solid	Total Alkanes	*	0.000	1	7.6	ug/Kg
Total Tics :				0.00				
P3263-18	A4CK8	Solid	1-Methylnaphthalene		19.000	0.59	3.7	ug/Kg
P3263-18	A4CK8	Solid	2-Methylnaphthalene		30.000	0.22	3.7	ug/Kg
P3263-18	A4CK8	Solid	Acenaphthene		43.000	0.2	3.7	ug/Kg
P3263-18	A4CK8	Solid	Acenaphthylene		32.000	0.37	3.7	ug/Kg
P3263-18	A4CK8	Solid	Anthracene		100.000	E 0.19	3.7	ug/Kg
P3263-18	A4CK8	Solid	Benzo(a)anthracene		360.000	E 0.11	3.7	ug/Kg
P3263-18	A4CK8	Solid	Benzo(a)pyrene		210.000	E 0.36	3.7	ug/Kg
P3263-18	A4CK8	Solid	Benzo(b)fluoranthene		380.000	E 0.53	3.7	ug/Kg
P3263-18	A4CK8	Solid	Benzo(g,h,i)perylene		27.000	0.85	3.7	ug/Kg
P3263-18	A4CK8	Solid	Benzo(k)fluoranthene		130.000	E 0.36	3.7	ug/Kg
P3263-18	A4CK8	Solid	Chrysene		340.000	E 0.28	3.7	ug/Kg
P3263-18	A4CK8	Solid	Dibenzo(a,h)anthracene		58.000	0.53	3.7	ug/Kg
P3263-18	A4CK8	Solid	Fluoranthene		930.000	E 0.2	3.7	ug/Kg
P3263-18	A4CK8	Solid	Fluorene		59.000	0.25	3.7	ug/Kg
P3263-18	A4CK8	Solid	Indeno(1,2,3-cd)pyrene		140.000	E 0.59	3.7	ug/Kg
P3263-18	A4CK8	Solid	Naphthalene		37.000	0.23	3.7	ug/Kg
P3263-18	A4CK8	Solid	Phenanthrene		540.000	E 0.2	3.7	ug/Kg
P3263-18	A4CK8	Solid	Pyrene		590.000	E 0.27	3.7	ug/Kg
Total Svoc :				4,025.00				
Total Concentration:				4,025.00				

Client ID : A4CK9

P3263-19	A4CK9	Solid	Total Alkanes	*	0.000	1	7.6	ug/Kg
Total Tics :				0.00				
P3263-19	A4CK9	Solid	1-Methylnaphthalene		9.500	0.59	3.7	ug/Kg
P3263-19	A4CK9	Solid	2-Methylnaphthalene		14.000	0.22	3.7	ug/Kg
P3263-19	A4CK9	Solid	Acenaphthene		20.000	0.2	3.7	ug/Kg
P3263-19	A4CK9	Solid	Acenaphthylene		28.000	0.37	3.7	ug/Kg
P3263-19	A4CK9	Solid	Anthracene		58.000	0.19	3.7	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM072524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3263-19	A4CK9	Solid	Benzo(a)anthracene	210.000	E	0.11	3.7	ug/Kg
P3263-19	A4CK9	Solid	Benzo(a)pyrene	150.000	E	0.36	3.7	ug/Kg
P3263-19	A4CK9	Solid	Benzo(b)fluoranthene	290.000	E	0.53	3.7	ug/Kg
P3263-19	A4CK9	Solid	Benzo(g,h,i)perylene	17.000		0.85	3.7	ug/Kg
P3263-19	A4CK9	Solid	Benzo(k)fluoranthene	110.000	E	0.36	3.7	ug/Kg
P3263-19	A4CK9	Solid	Chrysene	220.000	E	0.28	3.7	ug/Kg
P3263-19	A4CK9	Solid	Dibenzo(a,h)anthracene	44.000		0.53	3.7	ug/Kg
P3263-19	A4CK9	Solid	Fluoranthene	500.000	E	0.2	3.7	ug/Kg
P3263-19	A4CK9	Solid	Fluorene	20.000		0.25	3.7	ug/Kg
P3263-19	A4CK9	Solid	Indeno(1,2,3-cd)pyrene	97.000	E	0.59	3.7	ug/Kg
P3263-19	A4CK9	Solid	Naphthalene	21.000		0.23	3.7	ug/Kg
P3263-19	A4CK9	Solid	Pentachlorophenol	3.100	J	2.3	7.6	ug/Kg
P3263-19	A4CK9	Solid	Phenanthrene	270.000	E	0.2	3.7	ug/Kg
P3263-19	A4CK9	Solid	Pyrene	330.000	E	0.27	3.7	ug/Kg

Total Svoc : 2,411.60

Total Concentration: 2,411.60

Client ID : A4CL0

P3263-20	A4CL0	Solid	Total Alkanes	*	0.000	0.94	7.1	ug/Kg	
Total Tics :					0.00				
P3263-20	A4CL0	Solid	1-Methylnaphthalene		12.000	0.55	3.5	ug/Kg	
P3263-20	A4CL0	Solid	2-Methylnaphthalene		16.000	0.2	3.5	ug/Kg	
P3263-20	A4CL0	Solid	Acenaphthene		56.000	0.19	3.5	ug/Kg	
P3263-20	A4CL0	Solid	Acenaphthylene		39.000	0.35	3.5	ug/Kg	
P3263-20	A4CL0	Solid	Anthracene		73.000	E	0.18	3.5	ug/Kg
P3263-20	A4CL0	Solid	Benzo(a)anthracene		350.000	E	0.1	3.5	ug/Kg
P3263-20	A4CL0	Solid	Benzo(a)pyrene		230.000	E	0.34	3.5	ug/Kg
P3263-20	A4CL0	Solid	Benzo(b)fluoranthene		440.000	E	0.5	3.5	ug/Kg
P3263-20	A4CL0	Solid	Benzo(g,h,i)perylene		32.000		0.79	3.5	ug/Kg
P3263-20	A4CL0	Solid	Benzo(k)fluoranthene		150.000	E	0.34	3.5	ug/Kg
P3263-20	A4CL0	Solid	Chrysene		340.000	E	0.26	3.5	ug/Kg
P3263-20	A4CL0	Solid	Dibenzo(a,h)anthracene		64.000	E	0.5	3.5	ug/Kg
P3263-20	A4CL0	Solid	Fluoranthene		790.000	E	0.19	3.5	ug/Kg
P3263-20	A4CL0	Solid	Fluorene		45.000		0.23	3.5	ug/Kg
P3263-20	A4CL0	Solid	Indeno(1,2,3-cd)pyrene		140.000	E	0.55	3.5	ug/Kg
P3263-20	A4CL0	Solid	Naphthalene		38.000		0.21	3.5	ug/Kg
P3263-20	A4CL0	Solid	Pentachlorophenol		3.100	J	2.1	7.1	ug/Kg
P3263-20	A4CL0	Solid	Phenanthrene		410.000	E	0.19	3.5	ug/Kg
P3263-20	A4CL0	Solid	Pyrene		570.000	E	0.25	3.5	ug/Kg

Total Svoc : 3,798.10

Hit Summary Sheet SW-846

SDG No.: BM072524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:	3,798.10				
Client ID :	A4CL0DL							
P3263-20DL	A4CL0DL	Solid	Total Alkanes	*	0.000	D 4.7	35	ug/Kg
			Total Tics :	0.00				
P3263-20DL	A4CL0DL	Solid	1-Methylnaphthalene	13.000	JD	2.8	17	ug/Kg
P3263-20DL	A4CL0DL	Solid	2-Methylnaphthalene	19.000	D	1	17	ug/Kg
P3263-20DL	A4CL0DL	Solid	Acenaphthene	65.000	D	0.95	17	ug/Kg
P3263-20DL	A4CL0DL	Solid	Acenaphthylene	49.000	D	1.7	17	ug/Kg
P3263-20DL	A4CL0DL	Solid	Anthracene	110.000	D	0.9	17	ug/Kg
P3263-20DL	A4CL0DL	Solid	Benzo(a)anthracene	410.000	ED	0.49	17	ug/Kg
P3263-20DL	A4CL0DL	Solid	Benzo(a)pyrene	200.000	D	1.7	17	ug/Kg
P3263-20DL	A4CL0DL	Solid	Benzo(b)fluoranthene	310.000	ED	2.5	17	ug/Kg
P3263-20DL	A4CL0DL	Solid	Benzo(g,h,i)perylene	25.000	D	4	17	ug/Kg
P3263-20DL	A4CL0DL	Solid	Benzo(k)fluoranthene	100.000	D	1.7	17	ug/Kg
P3263-20DL	A4CL0DL	Solid	Chrysene	410.000	ED	1.3	17	ug/Kg
P3263-20DL	A4CL0DL	Solid	Dibenzo(a,h)anthracene	51.000	D	2.5	17	ug/Kg
P3263-20DL	A4CL0DL	Solid	Fluoranthene	1,100.000	ED	0.95	17	ug/Kg
P3263-20DL	A4CL0DL	Solid	Fluorene	49.000	D	1.2	17	ug/Kg
P3263-20DL	A4CL0DL	Solid	Indeno(1,2,3-cd)pyrene	110.000	D	2.8	17	ug/Kg
P3263-20DL	A4CL0DL	Solid	Naphthalene	43.000	D	1.1	17	ug/Kg
P3263-20DL	A4CL0DL	Solid	Phenanthrene	500.000	ED	0.95	17	ug/Kg
P3263-20DL	A4CL0DL	Solid	Pyrene	760.000	ED	1.3	17	ug/Kg
			Total Svoc :	4,324.00				
			Total Concentration:	4,324.00				
Client ID :	A4DQ6							
P3263-25	A4DQ6	Solid	Total Alkanes	*	0.000	0.88	6.7	ug/Kg
			Total Tics :	0.00				
P3263-25	A4DQ6	Solid	Acenaphthene	390.000	E	0.18	3.3	ug/Kg
P3263-25	A4DQ6	Solid	Acenaphthylene	430.000	E	0.33	3.3	ug/Kg
P3263-25	A4DQ6	Solid	Anthracene	160.000	E	0.17	3.3	ug/Kg
P3263-25	A4DQ6	Solid	Benzo(a)anthracene	79.000	E	0.09	3.3	ug/Kg
P3263-25	A4DQ6	Solid	Benzo(a)pyrene	210.000	E	0.32	3.3	ug/Kg
P3263-25	A4DQ6	Solid	Benzo(b)fluoranthene	150.000	E	0.47	3.3	ug/Kg
P3263-25	A4DQ6	Solid	Benzo(g,h,i)perylene	130.000	E	0.75	3.3	ug/Kg
P3263-25	A4DQ6	Solid	Benzo(k)fluoranthene	130.000	E	0.32	3.3	ug/Kg
P3263-25	A4DQ6	Solid	Chrysene	140.000	E	0.25	3.3	ug/Kg
P3263-25	A4DQ6	Solid	Dibenzo(a,h)anthracene	130.000	E	0.47	3.3	ug/Kg
P3263-25	A4DQ6	Solid	Fluoranthene	240.000	E	0.18	3.3	ug/Kg
P3263-25	A4DQ6	Solid	Fluorene	210.000	E	0.22	3.3	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM072524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3263-25	A4DQ6	Solid	Indeno(1,2,3-cd)pyrene	160.000	E	0.52	3.3	ug/Kg
P3263-25	A4DQ6	Solid	Naphthalene	450.000	E	0.2	3.3	ug/Kg
P3263-25	A4DQ6	Solid	Phenanthrene	210.000	E	0.18	3.3	ug/Kg
P3263-25	A4DQ6	Solid	Pyrene	280.000	E	0.24	3.3	ug/Kg
Total Svoc :				3,499.00				
Total Concentration:				3,499.00				
Client ID : A4DQ6DL								
P3263-25DL	A4DQ6DL	Solid	Total Alkanes	*	0.000	D 8.8	67	ug/Kg
Total Tics :				0.00				
P3263-25DL	A4DQ6DL	Solid	Acenaphthene	390.000	D	1.8	33	ug/Kg
P3263-25DL	A4DQ6DL	Solid	Acenaphthylene	420.000	D	3.3	33	ug/Kg
P3263-25DL	A4DQ6DL	Solid	Anthracene	150.000	D	1.7	33	ug/Kg
P3263-25DL	A4DQ6DL	Solid	Benzo(a)anthracene	79.000	D	0.92	33	ug/Kg
P3263-25DL	A4DQ6DL	Solid	Benzo(a)pyrene	210.000	D	3.2	33	ug/Kg
P3263-25DL	A4DQ6DL	Solid	Benzo(b)fluoranthene	150.000	D	4.7	33	ug/Kg
P3263-25DL	A4DQ6DL	Solid	Benzo(g,h,i)perylene	130.000	D	7.5	33	ug/Kg
P3263-25DL	A4DQ6DL	Solid	Benzo(k)fluoranthene	130.000	D	3.2	33	ug/Kg
P3263-25DL	A4DQ6DL	Solid	Chrysene	140.000	D	2.5	33	ug/Kg
P3263-25DL	A4DQ6DL	Solid	Dibenzo(a,h)anthracene	170.000	D	4.7	33	ug/Kg
P3263-25DL	A4DQ6DL	Solid	Fluoranthene	290.000	D	1.8	33	ug/Kg
P3263-25DL	A4DQ6DL	Solid	Fluorene	210.000	D	2.2	33	ug/Kg
P3263-25DL	A4DQ6DL	Solid	Indeno(1,2,3-cd)pyrene	200.000	D	5.2	33	ug/Kg
P3263-25DL	A4DQ6DL	Solid	Naphthalene	460.000	D	2	33	ug/Kg
P3263-25DL	A4DQ6DL	Solid	Phenanthrene	210.000	D	1.8	33	ug/Kg
P3263-25DL	A4DQ6DL	Solid	Pyrene	330.000	D	2.4	33	ug/Kg
Total Svoc :				3,669.00				
Total Concentration:				3,669.00				
Client ID : A4D63								
P3264-21	A4D63	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
Total Tics :				0.00				
P3264-21	A4D63	Water	Naphthalene	0.030	J	0.0043	0.1	ug/L
Total Svoc :				0.03				
Total Concentration:				0.03				
Client ID : XB507								
P3287-08	XB507	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
Total Tics :				0.00				
P3287-08	XB507	Water	Acenaphthene	12.000	E	0.0074	0.1	ug/L
P3287-08	XB507	Water	Acenaphthylene	3.100	E	0.012	0.1	ug/L
P3287-08	XB507	Water	Anthracene	2.300	E	0.008	0.1	ug/L

Hit Summary Sheet SW-846

SDG No.: BM072524

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
P3287-08	XB507	Water	Benzo(a)anthracene	1.600		0.0036	0.1	ug/L
P3287-08	XB507	Water	Benzo(a)pyrene	2.400	E	0.017	0.1	ug/L
P3287-08	XB507	Water	Benzo(b)fluoranthene	1.000		0.013	0.1	ug/L
P3287-08	XB507	Water	Benzo(g,h,i)perylene	3.100	E	0.022	0.1	ug/L
P3287-08	XB507	Water	Benzo(k)fluoranthene	0.820		0.0098	0.1	ug/L
P3287-08	XB507	Water	Chrysene	1.900	E	0.0077	0.1	ug/L
P3287-08	XB507	Water	Dibenzo(a,h)anthracene	2.100	E	0.014	0.1	ug/L
P3287-08	XB507	Water	Fluoranthene	4.800	E	0.0079	0.1	ug/L
P3287-08	XB507	Water	Fluorene	3.600	E	0.0067	0.1	ug/L
P3287-08	XB507	Water	Indeno(1,2,3-cd)pyrene	1.600		0.017	0.1	ug/L
P3287-08	XB507	Water	Naphthalene	7.000	E	0.0043	0.1	ug/L
P3287-08	XB507	Water	Phenanthrene	1.700	E	0.0068	0.1	ug/L
P3287-08	XB507	Water	Pyrene	3.700	E	0.006	0.1	ug/L

Total Svoc : 52.72

Total Concentration: 52.72

Client ID : XB507DL

P3287-08DL	XB507DL	Water	Total Alkanes	*	0.000	D 0.29	2	ug/L
Total Tics :					0.00			
P3287-08DL	XB507DL	Water	Acenaphthene		13.000	D 0.074	1	ug/L
P3287-08DL	XB507DL	Water	Acenaphthylene		3.400	D 0.12	1	ug/L
P3287-08DL	XB507DL	Water	Anthracene		2.400	D 0.08	1	ug/L
P3287-08DL	XB507DL	Water	Benzo(a)anthracene		1.800	D 0.036	1	ug/L
P3287-08DL	XB507DL	Water	Benzo(a)pyrene		2.700	D 0.17	1	ug/L
P3287-08DL	XB507DL	Water	Benzo(b)fluoranthene		1.100	D 0.13	1	ug/L
P3287-08DL	XB507DL	Water	Benzo(g,h,i)perylene		3.700	D 0.22	1	ug/L
P3287-08DL	XB507DL	Water	Benzo(k)fluoranthene		0.940	JD 0.098	1	ug/L
P3287-08DL	XB507DL	Water	Chrysene		2.200	D 0.077	1	ug/L
P3287-08DL	XB507DL	Water	Dibenzo(a,h)anthracene		2.800	D 0.14	1	ug/L
P3287-08DL	XB507DL	Water	Fluoranthene		5.500	D 0.079	1	ug/L
P3287-08DL	XB507DL	Water	Fluorene		3.900	D 0.067	1	ug/L
P3287-08DL	XB507DL	Water	Indeno(1,2,3-cd)pyrene		1.900	D 0.17	1	ug/L
P3287-08DL	XB507DL	Water	Naphthalene		7.900	D 0.043	1	ug/L
P3287-08DL	XB507DL	Water	Phenanthrene		2.000	D 0.068	1	ug/L
P3287-08DL	XB507DL	Water	Pyrene		4.300	D 0.06	1	ug/L

Total Svoc : 59.54

Total Concentration: 59.54



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM072424 SAS No.: BM072424 SDG No.: BM072424
Instrument ID: _____ Calibration Date(s): 7/24/2024 : _____
Calibration Time(s): 09:37 _____

LAB FILE ID:		RRFAL2 = BM046783.D			RRFAL3 = BM046784.D		RRFAL4 = BM046785.D	
		RRFAL5 = BM046786.D			RRFAL6 = BM046787.D		RRFAL1 = BM046788.D	
COMPOUND	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRFAL1	RRF	% RSD
1,4-Dioxane	0.317	0.347	0.329	0.305	0.304		0.320	5.6
1,4-Dioxane-d8	0.280	0.273	0.289	0.280	0.279		0.280	2.1
Naphthalene	0.996	1.004	1.033	0.983		1.042	1.012	2.5
1-Methylnaphthalene	0.694	0.699	0.717	0.693		0.793	0.719	5.9
2-Methylnaphthalene	0.674	0.690	0.697	0.672		0.748	0.696	4.4
Acenaphthylene	1.826	1.803	1.918	1.841		1.772	1.832	3.0
Acenaphthene	1.238	1.212	1.275	1.230		1.262	1.243	2.0
Fluorene	1.880	1.418	1.494	1.463		1.515	1.554	12.0
Pentachlorophenol	0.184	0.163	0.166	0.166	0.226		0.181	14.5
Phenanthrene	1.126	1.124	1.155	1.117		1.226	1.150	3.9
Anthracene	1.064	1.064	1.102	1.074		1.048	1.070	1.9
Fluoranthene	1.671	1.635	1.760	1.722		1.996	1.757	8.1
Pyrene	1.700	1.708	1.810	1.765		2.104	1.817	9.2
Benzo(a)anthracene	1.728	1.617	1.633	1.546		1.810	1.667	6.2
Chrysene	1.825	1.641	1.645	1.528		1.827	1.693	7.7
Benzo(b)fluoranthene	2.049	1.677	1.697	1.521		1.837	1.756	11.3
Benzo(k)fluoranthene	2.057	1.696	1.703	1.490		1.902	1.770	12.2
Benzo(a)pyrene	1.284	1.237	1.298	1.182		1.302	1.261	4.1
Indeno(1,2,3-cd)pyrene	2.190	1.931	1.980	1.754		1.846	1.940	8.5
Dibenzo(a,h)anthracene	1.600	1.413	1.454	1.295		1.339	1.420	8.3
Benzo(g,h,i)perylene	1.896	1.685	1.699	1.562		1.702	1.709	7.0
Fluoranthene-d10	1.218	1.226	1.335	1.304		1.431	1.303	6.7
2-Methylnaphthalene-d10	0.622	0.618	0.638	0.614		0.688	0.636	4.8

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.: BM072524 SAS No.: BM072524 SDG NO.: BM072524

EPA Sample No.: SSTD0.4045

Date Analyzed: Jul 25 2024 12:00AM

Lab File ID: BM046784.D

Time Analyzed: 09:51

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	2611	7.472	6076	10.23	3515	14.12
	UPPER LIMIT	5222	7.972	12152	10.733	7030	14.618
	LOWER LIMIT	1305.5	6.972	3038	9.733	1757.5	13.618
	EPA SAMPLE NO.						
01	SBLK099	2401	7.47	6487	10.23	4452	14.12
02	A4DQ6	2158	7.47	5611	10.23	3773	14.12
03	A4DQ6DL	3341	7.47	8951	10.23	5713	14.12
04	XB507	2926	7.47	7527	10.23	4815	14.12
05	XB507DL	2091	7.47	5166	10.23	3392	14.12
06	A4CL0	2430	7.47	6640	10.23	4783	14.12
07	A4CL0MS	3774	7.47	10726	10.23	7011	14.12
08	A4CL0MSD	3383	7.47	9106	10.23	5404	14.12
09	A4CH2	4211	7.47	12489 *	10.23	8001 *	14.12
10	A4D63	3724	7.47	10839	10.23	7478 *	14.12
11	SLCS099	3153	7.47	9023	10.23	5854	14.12
12	SBLK156	3169	7.47	9134	10.23	5925	14.12
13	A4BA0	3626	7.47	10597	10.23	6886	14.12
14	A4BA2	4590	7.47	13559 *	10.23	8735 *	14.12
15	A4BA5	5160	7.47	15168 *	10.23	12667 *	14.12
16	A4BA7	5112	7.47	14849 *	10.23	9397 *	14.12
17	A4BB0	4566	7.47	13130 *	10.23	8134 *	14.12
18	A4BD6	4952	7.47	14234 *	10.23	8644 *	14.12
19	A4CK9	4682	7.47	13237 *	10.23	8080 *	14.12
20	A4BB2	4281	7.47	12744 *	10.23	8238 *	14.12
21	A4CK8	4514	7.47	13100 *	10.23	8129 *	14.12
22	A4BB1	3951	7.47	11565	10.23	6945	14.12
23	A4BA8	4061	7.47	11932	10.23	7248 *	14.12

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM072524 SAS No.: BM072524 SDG NO.: BM072524

EPA Sample No.: SSTD0.4045 Date Analyzed: Jul 26 2024 12:00AM

Lab File ID: BM046784.D Time Analyzed: 01:06

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	2611	7.472	6076	10.23	3515	14.12
UPPER LIMIT	5222	7.972	12152	10.733	7030	14.618
LOWER LIMIT	1305.5	6.972	3038	9.733	1757.5	13.618
EPA SAMPLE NO.						
24 A4CL0DL	4408	7.47	13109 *	10.23	8750 *	14.12
25 A4BA0DL	4015	7.47	11446	10.23	7013	14.12
26 SLCS156	3238	7.47	9439	10.23	5942	14.12

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.: BM072524 SAS No.: BM072524 SDG NO.: BM072524

EPA Sample No.: SSTD0.4182 Date Analyzed: Jul 25 2024 12:00AM

Lab File ID: BM046791.D Time Analyzed: 09:51

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	2282	7.472	5507	10.23	3793	14.12
UPPER LIMIT	4564	7.972	11014	10.726	7586	14.617
LOWER LIMIT	1141	6.972	2753.5	9.726	1896.5	13.617
EPA SAMPLE NO.						
01 SBLK099	2401	7.47	6487	10.23	4452	14.12
02 A4DQ6	2158	7.47	5611	10.23	3773	14.12
03 A4DQ6DL	3341	7.47	8951	10.23	5713	14.12
04 XB507	2926	7.47	7527	10.23	4815	14.12
05 XB507DL	2091	7.47	5166	10.23	3392	14.12
06 A4CL0	2430	7.47	6640	10.23	4783	14.12
07 A4CL0MS	3774	7.47	10726	10.23	7011	14.12
08 A4CL0MSD	3383	7.47	9106	10.23	5404	14.12
09 A4CH2	4211	7.47	12489 *	10.23	8001 *	14.12
10 A4D63	3724	7.47	10839	10.23	7478	14.12
11 SLCS099	3153	7.47	9023	10.23	5854	14.12

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.: BM072524 SAS No.: BM072524 SDG NO.: BM072524

EPA Sample No.: SSTD0.4183 Date Analyzed: Jul 25 2024 12:00AM

Lab File ID: BM046803.D Time Analyzed: 17:47

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	3234	7.472	8925	10.23	5579	14.12
UPPER LIMIT	6468	7.972	17850	10.727	11158	14.618
LOWER LIMIT	1617	6.972	4462.5	9.727	2789.5	13.618
EPA SAMPLE NO.						
01 SBLK156	3169	7.47	9134	10.23	5925	14.12
02 A4BA0	3626	7.47	10597	10.23	6886	14.12
03 A4BA2	4590	7.47	13559	10.23	8735	14.12
04 A4BA5	5160	7.47	15168	10.23	12667 *	14.12
05 A4BA7	5112	7.47	14849	10.23	9397	14.12
06 A4BB0	4566	7.47	13130	10.23	8134	14.12
07 A4BD6	4952	7.47	14234	10.23	8644	14.12
08 A4CK9	4682	7.47	13237	10.23	8080	14.12
09 A4BB2	4281	7.47	12744	10.23	8238	14.12
10 A4CK8	4514	7.47	13100	10.23	8129	14.12
11 A4BB1	3951	7.47	11565	10.23	6945	14.12
12 A4BA8	4061	7.47	11932	10.23	7248	14.12
13 A4CL0DL	4408	7.47	13109	10.23	8750	14.12
14 A4BA0DL	4015	7.47	11446	10.23	7013	14.12
15 SLCS156	3238	7.47	9439	10.23	5942	14.12

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.: BM072524 SAS No.: BM072524 SDG NO.: BM072524

EPA Sample No.: SSTD0.4045 Date Analyzed: Jul 25 2024 12:00AM

Lab File ID: BM046784.D Time Analyzed: 09:51

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	6760	16.871	5378	21.081	6482	23.209
	UPPER LIMIT	13520	17.371	10756	21.581	12964	23.709
	LOWER LIMIT	3380	16.371	2689	20.581	3241	22.709
	EPA SAMPLE NO.						
01	SBLK099	10392	16.87	7696	21.08	6584	23.21
02	A4DQ6	8704	16.87	7095	21.08	7164	23.21
03	A4DQ6DL	12110	16.87	7267	21.08	6943	23.21
04	XB507	10515	16.87	6523	21.08	5947	23.21
05	XB507DL	7065	16.87	4236	21.08	3983	23.21
06	A4CL0	16261 *	16.87	9627	21.08	8265	23.21
07	A4CL0MS	15259 *	16.87	7925	21.08	7987	23.21
08	A4CL0MSD	11183	16.87	7573	21.08	9324	23.21
09	A4CH2	17548 *	16.87	9273	21.08	7240	23.21
10	A4D63	15870 *	16.87	8723	21.08	7280	23.21
11	SLCS099	12525	16.87	8131	21.08	7115	23.21
12	SBLK156	13004	16.87	9072	21.08	6171	23.21
13	A4BA0	16055 *	16.87	9636	21.08	8851	23.21
14	A4BA2	20274 *	16.87	9878	21.08	10019	23.21
15	A4BA5	20708 *	16.87	8958	21.08	9046	23.21
16	A4BA7	19901 *	16.87	8279	21.08	9669	23.21
17	A4BB0	16844 *	16.88	7102	21.08	8973	23.21
18	A4BD6	18063 *	16.87	7176	21.08	8291	23.21
19	A4CK9	15140 *	16.87	8467	21.09	8349	23.22
20	A4BB2	19066 *	16.88	10028	21.09	10209	23.21
21	A4CK8	16026 *	16.87	6992	21.08	8394	23.22

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM072524 SAS No.: BM072524 SDG NO.: BM072524

EPA Sample No.: SSTD0.4045 Date Analyzed: Jul 25 2024 12:00AM

Lab File ID: BM046784.D Time Analyzed: 23:53

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	6760	16.871	5378	21.081	6482	23.209
UPPER LIMIT	13520	17.371	10756	21.581	12964	23.709
LOWER LIMIT	3380	16.371	2689	20.581	3241	22.709
EPA SAMPLE NO.						
22 A4BB1	13729 *	16.88	6833	21.08	7902	23.22
23 A4BA8	14600 *	16.88	7038	21.08	7904	23.22
24 A4CL0DL	18051 *	16.88	8214	21.08	13040 *	23.21
25 A4BA0DL	13794 *	16.87	8565	21.08	8995	23.21
26 SLCS156	11760	16.87	6608	21.08	7007	23.21

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.: BM072524 SAS No.: BM072524 SDG NO.: BM072524

EPA Sample No.: SSTD0.4182 Date Analyzed: Jul 25 2024 12:00AM

Lab File ID: BM046791.D Time Analyzed: 09:51

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	7960	16.87	5144	21.079	5310	23.206
UPPER LIMIT	15920	17.37	10288	21.579	10620	23.706
LOWER LIMIT	3980	16.37	2572	20.579	2655	22.706
EPA SAMPLE NO.						
01 SBLK099	10392	16.87	7696	21.08	6584	23.21
02 A4DQ6	8704	16.87	7095	21.08	7164	23.21
03 A4DQ6DL	12110	16.87	7267	21.08	6943	23.21
04 XB507	10515	16.87	6523	21.08	5947	23.21
05 XB507DL	7065	16.87	4236	21.08	3983	23.21
06 A4CL0	16261 *	16.87	9627	21.08	8265	23.21
07 A4CL0MS	15259	16.87	7925	21.08	7987	23.21
08 A4CL0MSD	11183	16.87	7573	21.08	9324	23.21
09 A4CH2	17548 *	16.87	9273	21.08	7240	23.21
10 A4D63	15870	16.87	8723	21.08	7280	23.21
11 SLCS099	12525	16.87	8131	21.08	7115	23.21

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.: BM072524 SAS No.: BM072524 SDG NO.: BM072524

EPA Sample No.: SSTD0.4183 Date Analyzed: Jul 25 2024 12:00AM

Lab File ID: BM046803.D Time Analyzed: 17:47

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	11829	16.871	6770	21.081	6009	23.206
	UPPER LIMIT	23658	17.371	13540	21.581	12018	23.706
	LOWER LIMIT	5914.5	16.371	3385	20.581	3004.5	22.706
	EPA SAMPLE NO.						
01	SBLK156	13004	16.87	9072	21.08	6171	23.21
02	A4BA0	16055	16.87	9636	21.08	8851	23.21
03	A4BA2	20274	16.87	9878	21.08	10019	23.21
04	A4BA5	20708	16.87	8958	21.08	9046	23.21
05	A4BA7	19901	16.87	8279	21.08	9669	23.21
06	A4BB0	16844	16.88	7102	21.08	8973	23.21
07	A4BD6	18063	16.87	7176	21.08	8291	23.21
08	A4CK9	15140	16.87	8467	21.09	8349	23.22
09	A4BB2	19066	16.88	10028	21.09	10209	23.21
10	A4CK8	16026	16.87	6992	21.08	8394	23.22
11	A4BB1	13729	16.88	6833	21.08	7902	23.22
12	A4BA8	14600	16.88	7038	21.08	7904	23.22
13	A4CL0DL	18051	16.88	8214	21.08	13040 *	23.21
14	A4BA0DL	13794	16.87	8565	21.08	8995	23.21
15	SLCS156	11760	16.87	6608	21.08	7007	23.21

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM072524 SAS No.: BM072524 SDG NO.: BM072524

EPA Sample No.: SSTD0.4183 Date Analyzed: Jul 26 2024 12:00AM

Lab File ID: BM046803.D Time Analyzed: 02:18

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	11829	16.871	6770	21.081	6009	23.206
UPPER LIMIT	23658	17.371	13540	21.581	12018	23.706
LOWER LIMIT	5914.5	16.371	3385	20.581	3004.5	22.706
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.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BM072524**

Client: _____

Analytical Method: **SFAM_SVOASIM**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB162099BS	1,4-Dioxane	66.7	46	ug/Kg	69				0	0		
	Naphthalene	13.3	11	ug/Kg	83				0	0		
	1-Methylnaphthalene	13.3	11	ug/Kg	83				0	0		
	2-Methylnaphthalene	13.3	11	ug/Kg	83				0	0		
	Acenaphthylene	13.3	11	ug/Kg	83				0	0		
	Acenaphthene	13.3	11	ug/Kg	83				0	0		
	Fluorene	13.3	10	ug/Kg	75				0	0		
	Pentachlorophenol	26.7	18	ug/Kg	67				0	0		
	Phenanthrene	13.3	10	ug/Kg	75				0	0		
	Anthracene	13.3	11	ug/Kg	83				0	0		
	Fluoranthene	13.3	12	ug/Kg	90				0	0		
	Pyrene	13.3	13	ug/Kg	98				0	0		
	Benzo(a)anthracene	13.3	11	ug/Kg	83				0	0		
	Chrysene	13.3	10	ug/Kg	75				0	0		
	Benzo(b)fluoranthene	13.3	10	ug/Kg	75				0	0		
	Benzo(k)fluoranthene	13.3	9.9	ug/Kg	74				0	0		
	Benzo(a)pyrene	13.3	12	ug/Kg	90				0	0		
	Indeno(1,2,3-cd)pyrene	13.3	9.4	ug/Kg	71				0	0		
	Dibenzo(a,h)anthracene	13.3	9.8	ug/Kg	74				0	0		
	Benzo(g,h,i)perylene	13.3	8.6	ug/Kg	65				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM072524

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB162156BS	1,4-Dioxane	2	1.7	ug/L	85				0	0		
	Naphthalene	0.4	0.43	ug/L	108				0	0		
	1-Methylnaphthalene	0.4	0.44	ug/L	110				0	0		
	2-Methylnaphthalene	0.4	0.45	ug/L	113				0	0		
	Acenaphthylene	0.4	0.45	ug/L	113				0	0		
	Acenaphthene	0.4	0.46	ug/L	115				0	0		
	Fluorene	0.4	0.42	ug/L	105				0	0		
	Pentachlorophenol	0.8	0.69	ug/L	86				0	0		
	Phenanthrene	0.4	0.42	ug/L	105				0	0		
	Anthracene	0.4	0.43	ug/L	108				0	0		
	Fluoranthene	0.4	0.53	ug/L	133				0	0		
	Pyrene	0.4	0.52	ug/L	130				0	0		
	Benzo(a)anthracene	0.4	0.45	ug/L	113				0	0		
	Chrysene	0.4	0.43	ug/L	108				0	0		
	Benzo(b)fluoranthene	0.4	0.39	ug/L	98				0	0		
	Benzo(k)fluoranthene	0.4	0.38	ug/L	95				0	0		
	Benzo(a)pyrene	0.4	0.49	ug/L	123				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0.42	ug/L	105				0	0		
	Dibenzo(a,h)anthracene	0.4	0.44	ug/L	110				0	0		
	Benzo(g,h,i)perylene	0.4	0.38	ug/L	95				0	0		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK099

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM072524

SAS No.: BM072524 SDG NO.: BM072524

Lab File ID: BM046792.D

Lab Sample ID: PB162099BL

Instrument ID: BNA_M

Date Extracted: 07/16/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/25/2024

Level: (low/med) LOW

Time Analyzed: 09:51

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
A4DQ6	P3263-25	BM046793.D	07/25/2024
PB162099BS	PB162099BS	BM046802.D	07/25/2024
A4CL0	P3263-20	BM046797.D	07/25/2024
A4CL0MS	P3263-21MS	BM046798.D	07/25/2024
A4CL0MSD	P3263-22MSD	BM046799.D	07/25/2024
A4CH2	P3263-14	BM046800.D	07/25/2024
A4BA0	P3263-01	BM046805.D	07/25/2024
A4BA2	P3263-02	BM046806.D	07/25/2024
A4BA5	P3263-03	BM046807.D	07/25/2024
A4BA7	P3263-05	BM046808.D	07/25/2024
A4BB0	P3263-07	BM046809.D	07/25/2024
A4BD6	P3263-10	BM046810.D	07/25/2024
A4CK9	P3263-19	BM046811.D	07/25/2024
A4BB2	P3263-09	BM046812.D	07/25/2024
A4CK8	P3263-18	BM046813.D	07/25/2024
A4BB1	P3263-08	BM046814.D	07/25/2024
A4BA8	P3263-06	BM046815.D	07/26/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK156

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM072524

SAS No.: BM072524 SDG NO.: BM072524

Lab File ID: BM046804.D

Lab Sample ID: PB162156BL

Instrument ID: BNA_M

Date Extracted: 07/18/2024

Matrix: (soil/water) Water

Date Analyzed: 07/25/2024

Level: (low/med) LOW

Time Analyzed: 17:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
XB507	P3287-08	BM046795.D	07/25/2024
A4D63	P3264-21	BM046801.D	07/25/2024
PB162156BS	PB162156BS	BM046818.D	07/26/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM072524

Client: _____

Analytical Method: SFAM_SVOASIM

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3263-21MS		Client Sample ID: A4CL0MS		DataFile: BM046798.D							
1,4-Dioxane	70.4		28	ug/Kg	40				15	120	
Naphthalene	14.1	38	53	ug/Kg	106				0	0	
1-Methylnaphthalene	14.1	12	28	ug/Kg	113				0	0	
2-Methylnaphthalene	14.1	16	35	ug/Kg	135				0	0	
Acenaphthylene	14.1	39	45	ug/Kg	43				0	0	
Acenaphthene	14.1	56	62	ug/Kg	43				31	137	
Fluorene	14.1	45	61	ug/Kg	113				0	0	
Pentachlorophenol	28.1	3.1	20	ug/Kg	60				17	109	
Phenanthrene	14.1	410	600	ug/Kg	1348				0	0	
Anthracene	14.1	73	120	ug/Kg	333				0	0	
Fluoranthene	14.1	790	1100	ug/Kg	2199				0	0	
Pyrene	14.1	570	750	ug/Kg	1277	*			35	142	
Benzo(a)anthracene	14.1	350	390	ug/Kg	284				0	0	
Chrysene	14.1	340	380	ug/Kg	284				0	0	
Benzo(b)fluoranthene	14.1	440	400	ug/Kg	-284				0	0	
Benzo(k)fluoranthene	14.1	150	140	ug/Kg	-71				0	0	
Benzo(a)pyrene	14.1	230	210	ug/Kg	-142				0	0	
Indeno(1,2,3-cd)pyrene	14.1	140	120	ug/Kg	-142				0	0	
Dibenzo(a,h)anthracene	14.1	64	60	ug/Kg	-28				0	0	
Benzo(g,h,i)perylene	14.1	32	23	ug/Kg	-64				0	0	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM072524

Client: _____

Analytical Method: SFAM_SVOASIM

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P3263-22MSD	Client Sample ID:	A4CL0MSD					DataFile:	BM046799.D		
1,4-Dioxane	70.4		31	ug/Kg	44		10		15	120	50
Naphthalene	14.1	38	52	ug/Kg	99		7	*	0	0	0
1-Methylnaphthalene	14.1	12	26	ug/Kg	99		13	*	0	0	0
2-Methylnaphthalene	14.1	16	33	ug/Kg	121		11	*	0	0	0
Acenaphthylene	14.1	39	54	ug/Kg	106		85	*	0	0	0
Acenaphthene	14.1	56	60	ug/Kg	28	*	42	*	31	137	19
Fluorene	14.1	45	58	ug/Kg	92		20	*	0	0	0
Pentachlorophenol	28.2	3.1	20	ug/Kg	60		0		17	109	47
Phenanthrene	14.1	410	590	ug/Kg	1277		5	*	0	0	0
Anthracene	14.1	73	130	ug/Kg	404		19	*	0	0	0
Fluoranthene	14.1	790	830	ug/Kg	284		154	*	0	0	0
Pyrene	14.1	570	590	ug/Kg	142		160	*	35	142	36
Benzo(a)anthracene	14.1	350	370	ug/Kg	142		67	*	0	0	0
Chrysene	14.1	340	370	ug/Kg	213		29	*	0	0	0
Benzo(b)fluoranthene	14.1	440	370	ug/Kg	-496		54	*	0	0	0
Benzo(k)fluoranthene	14.1	150	130	ug/Kg	-142		67	*	0	0	0
Benzo(a)pyrene	14.1	230	200	ug/Kg	-213		40	*	0	0	0
Indeno(1,2,3-cd)pyrene	14.1	140	120	ug/Kg	-142		0		0	0	0
Dibenzo(a,h)anthracene	14.1	64	60	ug/Kg	-28		0		0	0	0
Benzo(g,h,i)perylene	14.1	32	23	ug/Kg	-64		0		0	0	0

Surrogate Summary

SW-846

SDG No.: **BM072524**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3263-01	A4BA0	BM046805.D	1,4-Dioxane-d8	8	3.11	39		15	120
			Fluoranthene-d10	0.4	0.30	75		30	130
			2-Methylnaphthalene-d10	0.4	0.22	54		20	140
P3263-01DL	A4BA0DL	BM046817.D	1,4-Dioxane-d8	8	3.14	39		15	120
			Fluoranthene-d10	0.4	0.31	77		30	130
			2-Methylnaphthalene-d10	0.4	0.24	59		20	140
P3263-02	A4BA2	BM046806.D	1,4-Dioxane-d8	8	3.47	43		15	120
			Fluoranthene-d10	0.4	0.37	91		30	130
			2-Methylnaphthalene-d10	0.4	0.25	62		20	140
P3263-03	A4BA5	BM046807.D	1,4-Dioxane-d8	8	3.25	41		15	120
			Fluoranthene-d10	0.4	0.40	101		30	130
			2-Methylnaphthalene-d10	0.4	0.26	64		20	140
P3263-05	A4BA7	BM046808.D	1,4-Dioxane-d8	8	3.05	38		15	120
			Fluoranthene-d10	0.4	0.43	106		30	130
			2-Methylnaphthalene-d10	0.4	0.24	60		20	140
P3263-06	A4BA8	BM046815.D	1,4-Dioxane-d8	8	3.62	45		15	120
			Fluoranthene-d10	0.4	0.37	91		30	130
			2-Methylnaphthalene-d10	0.4	0.28	70		20	140
P3263-07	A4BB0	BM046809.D	1,4-Dioxane-d8	8	3.97	50		15	120
			Fluoranthene-d10	0.4	0.44	111		30	130
			2-Methylnaphthalene-d10	0.4	0.27	68		20	140
P3263-08	A4BB1	BM046814.D	1,4-Dioxane-d8	8	3.63	45		15	120
			Fluoranthene-d10	0.4	0.35	88		30	130
			2-Methylnaphthalene-d10	0.4	0.26	66		20	140
P3263-09	A4BB2	BM046812.D	1,4-Dioxane-d8	8	3.42	43		15	120
			Fluoranthene-d10	0.4	0.37	91		30	130
			2-Methylnaphthalene-d10	0.4	0.26	64		20	140
P3263-10	A4BD6	BM046810.D	1,4-Dioxane-d8	8	3.95	49		15	120
			Fluoranthene-d10	0.4	0.48	121		30	130
			2-Methylnaphthalene-d10	0.4	0.29	72		20	140
P3263-14	A4CH2	BM046800.D	1,4-Dioxane-d8	8	2.80	35		15	120
			Fluoranthene-d10	0.4	0.31	77		30	130
			2-Methylnaphthalene-d10	0.4	0.22	55		20	140
P3263-18	A4CK8	BM046813.D	1,4-Dioxane-d8	8	2.99	37		15	120
			Fluoranthene-d10	0.4	0.34	85		30	130
			2-Methylnaphthalene-d10	0.4	0.24	61		20	140
P3263-19	A4CK9	BM046811.D	1,4-Dioxane-d8	8	2.90	36		15	120
			Fluoranthene-d10	0.4	0.28	70		30	130
			2-Methylnaphthalene-d10	0.4	0.24	60		20	140
P3263-20	A4CL0	BM046797.D	1,4-Dioxane-d8	8	3.90	49		15	120
			Fluoranthene-d10	0.4	0.33	83		30	130
			2-Methylnaphthalene-d10	0.4	0.29	72		20	140
P3263-20DL	A4CL0DL	BM046816.D	1,4-Dioxane-d8	8	3.62	45		15	120
			Fluoranthene-d10	0.4	0.45	111		30	130
			2-Methylnaphthalene-d10	0.4	0.32	79		20	140
P3263-21MS	A4CL0MS	BM046798.D	1,4-Dioxane-d8	0.8	0.36	45		15	120
			Fluoranthene-d10	0.4	0.39	96		30	130
			2-Methylnaphthalene-d10	0.4	0.27	67		20	140
P3263-22MSD	A4CL0MSD	BM046799.D	1,4-Dioxane-d8	0.8	0.39	49		15	120

Surrogate Summary

SW-846

SDG No.: **BM072524**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3263-22MSD	A4CL0MSD	BM046799.D	Fluoranthene-d10	0.4	0.30	74		30	130
			2-Methylnaphthalene-d10	0.4	0.25	63		20	140
P3263-25	A4DQ6	BM046793.D	1,4-Dioxane-d8	0.8	0.38	47		15	120
			Fluoranthene-d10	0.4	0.30	74		30	130
P3263-25DL	A4DQ6DL	BM046794.D	2-Methylnaphthalene-d10	0.4	0.26	64		20	140
			1,4-Dioxane-d8	0.8	0.61	76		15	120
PB162099BL	PB162099BL	BM046792.D	Fluoranthene-d10	0.4	0.37	93		30	130
			2-Methylnaphthalene-d10	0.4	0.25	63		20	140
PB162099BS	PB162099BS	BM046802.D	1,4-Dioxane-d8	8	6.20	77		15	120
			Fluoranthene-d10	0.4	0.32	80		30	130
PB162099BS	PB162099BS	BM046802.D	2-Methylnaphthalene-d10	0.4	0.32	79		20	140
			1,4-Dioxane-d8	0.8	0.60	75		15	120
PB162099BS	PB162099BS	BM046802.D	Fluoranthene-d10	0.4	0.40	100		30	130
			2-Methylnaphthalene-d10	0.4	0.33	83		20	140

Surrogate Summary

SW-846

SDG No.: **BM072524**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3264-21	A4D63	BM046801.D	1,4-Dioxane-d8	8	2.63	33		15	120
			Fluoranthene-d10	0.4	0.48	119		30	130
			2-Methylnaphthalene-d10	0.4	0.35	88		30	130
P3287-08	XB507	BM046795.D	1,4-Dioxane-d8	0.8	0.69	86		15	120
			Fluoranthene-d10	0.4	0.47	117		30	130
			2-Methylnaphthalene-d10	0.4	0.40	99		30	130
P3287-08DL	XB507DL	BM046796.D	1,4-Dioxane-d8	0.8	0.90	113		15	120
			Fluoranthene-d10	0.4	0.57	142	*	30	130
			2-Methylnaphthalene-d10	0.4	0.44	110		30	130
PB162156BL	PB162156BL	BM046804.D	1,4-Dioxane-d8	8	5.64	70		15	120
			Fluoranthene-d10	0.4	0.32	80		30	130
			2-Methylnaphthalene-d10	0.4	0.31	79		30	130
PB162156BS	PB162156BS	BM046818.D	1,4-Dioxane-d8	0.8	0.70	88		15	120
			Fluoranthene-d10	0.4	0.53	132	*	30	130
			2-Methylnaphthalene-d10	0.4	0.44	109		30	130

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM072524

Lab Code: CHEM

SAS No.: BM072524

SDG NO.: BM072524

Lab File ID: BM046790.D

DFTPP Injection Date: 07/25/2024

Instrument ID: BNA_M

DFTPP Injection Time: 08:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	40.5
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	31.8
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	9.6
442	Greater than 50% of mass 198	62
443	15.0 - 24.0% of mass 442	12 (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
SSTD0.4182	SSTDCCC0.4	BM046791.D	07/25/2024	09:15
SBLK099	PB162099BL	BM046792.D	07/25/2024	09:51
A4DQ6	P3263-25	BM046793.D	07/25/2024	10:35
A4DQ6DL	P3263-25DL	BM046794.D	07/25/2024	11:40
XB507	P3287-08	BM046795.D	07/25/2024	12:16
XB507DL	P3287-08DL	BM046796.D	07/25/2024	12:53
A4CL0	P3263-20	BM046797.D	07/25/2024	13:29
A4CL0MS	P3263-21MS	BM046798.D	07/25/2024	14:06
A4CL0MSD	P3263-22MSD	BM046799.D	07/25/2024	14:43
A4CH2	P3263-14	BM046800.D	07/25/2024	15:19
A4D63	P3264-21	BM046801.D	07/25/2024	15:56
SLCS099	PB162099BS	BM046802.D	07/25/2024	16:33
SSTD0.4183	SSTDCCC0.4	BM046803.D	07/25/2024	17:10
SBLK156	PB162156BL	BM046804.D	07/25/2024	17:47
A4BA0	P3263-01	BM046805.D	07/25/2024	18:24
A4BA2	P3263-02	BM046806.D	07/25/2024	19:00
A4BA5	P3263-03	BM046807.D	07/25/2024	19:37
A4BA7	P3263-05	BM046808.D	07/25/2024	20:14

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM072524

Lab Code: CHEM

SAS No.: BM072524

SDG NO.: BM072524

Lab File ID: BM046790.D

DFTPP Injection Date: 07/25/2024

Instrument ID: BNA_M

DFTPP Injection Time: 08:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	40.5
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	31.8
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	9.6
442	Greater than 50% of mass 198	62
443	15.0 - 24.0% of mass 442	12 (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
A4BB0	P3263-07	BM046809.D	07/25/2024	20:51
A4BD6	P3263-10	BM046810.D	07/25/2024	21:27
A4CK9	P3263-19	BM046811.D	07/25/2024	22:04
A4BB2	P3263-09	BM046812.D	07/25/2024	22:40
A4CK8	P3263-18	BM046813.D	07/25/2024	23:17
A4BB1	P3263-08	BM046814.D	07/25/2024	23:53
A4BA8	P3263-06	BM046815.D	07/26/2024	00:29
A4CL0DL	P3263-20DL	BM046816.D	07/26/2024	01:06
A4BA0DL	P3263-01DL	BM046817.D	07/26/2024	01:42
SLCS156	PB162156BS	BM046818.D	07/26/2024	02:18
SSTD0.4184	SSTDCCC0.4EC	BM046819.D	07/26/2024	03:31