

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM071924 SAS No.: BM071924 SDG No.: BM071924

Instrument ID: BNA_M Calibration Date/Time: 7/19/2024 1:10:42

Lab File ID: BM046719.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4174 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.351	0.304	0.010	-13.2533	40.0
1,4-Dioxane-d8	0.329	0.250	0.010	-23.9317	40.0
Naphthalene	1.018	0.997	0.600	-2.0634	30.0
1-Methylnaphthalene	0.730	0.720	0.300	-1.2505	30.0
2-Methylnaphthalene	0.715	0.694	0.300	-2.8585	30.0
Acenaphthylene	1.821	1.781	0.900	-2.1964	30.0
Acenaphthene	1.220	1.231	0.500	0.9353	30.0
Fluorene	1.509	1.447	0.700	-4.1631	30.0
Pentachlorophenol	0.203	0.188	0.010	-7.2987	50.0
Phenanthrene	1.141	1.185	0.300	3.8391	30.0
Anthracene	1.114	1.040	0.400	-6.6096	30.0
Fluoranthene	1.643	1.548	0.400	-5.7618	30.0
Pyrene	1.779	1.551	0.500	-12.7901	30.0
Benzo (a) anthracene	1.770	1.554	0.400	-12.1711	30.0
Chrysene	1.712	1.457	0.400	-14.9053	30.0
Benzo (b) fluoranthene	1.598	1.428	0.200	-10.6396	30.0
Benzo (k) fluoranthene	1.569	1.406	0.200	-10.3581	30.0
Benzo (a) pyrene	1.315	1.309	0.200	-0.4847	30.0
Indeno (1,2,3-cd) pyrene	2.001	1.695	0.200	-15.289	30.0
Dibenzo (a,h) anthracene	1.584	1.376	0.200	-13.1259	30.0
Benzo (g,h,i) perylene	1.597	1.413	0.200	-11.5155	30.0
Fluoranthene-d10	1.217	1.106	0.400	-9.1131	30.0
2-Methylnaphthalene-d10	0.645	0.615	0.300	-4.6746	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.: BM071924 SAS No.: BM071924 SDG No.: BM071924

Instrument ID: BNA_M Calibration Date/Time: 7/19/2024 1:13:45

Lab File ID: BM046724.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4175 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.351	0.307	0.010	-12.5255	40.0
1,4-Dioxane-d8	0.329	0.280	0.010	-14.7571	40.0
Naphthalene	1.018	1.014	0.600	-0.315	30.0
1-Methylnaphthalene	0.730	0.739	0.300	1.2859	30.0
2-Methylnaphthalene	0.715	0.691	0.300	-3.3092	30.0
Acenaphthylene	1.821	1.815	0.900	-0.3217	30.0
Acenaphthene	1.220	1.234	0.500	1.1383	30.0
Fluorene	1.509	1.400	0.700	-7.2698	30.0
Pentachlorophenol	0.203	0.144	0.010	-29.1885	50.0
Phenanthrene	1.141	1.059	0.300	-7.198	30.0
Anthracene	1.114	1.026	0.400	-7.8874	30.0
Fluoranthene	1.643	1.753	0.400	6.692	30.0
Pyrene	1.779	1.758	0.500	-1.1564	30.0
Benzo (a) anthracene	1.770	1.558	0.400	-11.9624	30.0
Chrysene	1.712	1.472	0.400	-14.0058	30.0
Benzo (b) fluoranthene	1.598	1.371	0.200	-14.1947	30.0
Benzo (k) fluoranthene	1.569	1.355	0.200	-13.622	30.0
Benzo (a) pyrene	1.315	1.293	0.200	-1.6782	30.0
Indeno (1,2,3-cd) pyrene	2.001	1.743	0.200	-12.9016	30.0
Dibenzo (a,h) anthracene	1.584	1.398	0.200	-11.7624	30.0
Benzo (g,h,i) perylene	1.597	1.434	0.200	-10.1941	30.0
Fluoranthene-d10	1.217	1.299	0.400	6.7004	30.0
2-Methylnaphthalene-d10	0.645	0.619	0.300	-4.098	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.: BM071924 SAS No.: BM071924 SDG No.: BM071924

Instrument ID: BNA_M Calibration Date/Time: 7/20/2024 1:01:24

Lab File ID: BM046742.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4176 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.351	0.302	0.010	-13.8489	50.0
1,4-Dioxane-d8	0.329	0.271	0.010	-17.4644	50.0
Naphthalene	1.018	1.003	0.600	-1.3955	50.0
1-Methylnaphthalene	0.730	0.730	0.300	0.0316	50.0
2-Methylnaphthalene	0.715	0.692	0.300	-3.1424	50.0
Acenaphthylene	1.821	1.811	0.900	-0.5436	50.0
Acenaphthene	1.220	1.214	0.500	-0.4956	50.0
Fluorene	1.509	1.412	0.700	-6.4477	50.0
Pentachlorophenol	0.203	0.146	0.010	-27.8824	50.0
Phenanthrene	1.141	1.065	0.300	-6.6568	50.0
Anthracene	1.114	1.038	0.400	-6.8269	50.0
Fluoranthene	1.643	1.560	0.400	-5.061	50.0
Pyrene	1.779	1.605	0.500	-9.7561	50.0
Benzo (a) anthracene	1.770	1.524	0.400	-13.8979	50.0
Chrysene	1.712	1.446	0.400	-15.528	50.0
Benzo (b) fluoranthene	1.598	1.380	0.200	-13.6555	50.0
Benzo (k) fluoranthene	1.569	1.349	0.200	-14.0143	50.0
Benzo (a) pyrene	1.315	1.297	0.200	-1.4012	50.0
Indeno (1,2,3-cd) pyrene	2.001	1.748	0.200	-12.6568	50.0
Dibenzo (a,h) anthracene	1.584	1.408	0.200	-11.0928	50.0
Benzo (g,h,i) perylene	1.597	1.453	0.200	-9.0248	50.0
Fluoranthene-d10	1.217	1.169	0.400	-3.9139	50.0
2-Methylnaphthalene-d10	0.645	0.617	0.300	-4.4069	50.0

All other compounds must meet a minimum RRF of 0.010.

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:	SBLK067	SDG No.:	BM071924
Lab Sample ID:	PB162067BL	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
BM046720.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.89	U	0.89	0	6.7	ug/Kg
91-20-3	Naphthalene	0.2	U	0.2	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	0.52	U	0.52	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	0.19	U	0.19	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	0.33	U	0.33	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	0.18	U	0.18	0.83	3.3	ug/Kg
86-73-7	Fluorene	0.22	U	0.22	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	2	U	2	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	0.18	U	0.18	0.83	3.3	ug/Kg
120-12-7	Anthracene	0.17	U	0.17	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	0.18	U	0.18	0.83	3.3	ug/Kg
129-00-0	Pyrene	0.24	U	0.24	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	0.09	U	0.09	0.83	3.3	ug/Kg
218-01-9	Chrysene	0.25	U	0.25	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.47	U	0.47	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.32	U	0.32	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	0.32	U	0.32	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.52	U	0.52	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.47	U	0.47	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.75	U	0.75	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.386		15-120		55	SPK: -8
93951-69-0	Fluoranthene-d10	0.278		30-130		69	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.252		20-140		63	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2596		7.485			
1146-65-2	Naphthalene-d8	7001		10.248			
15067-26-2	Acenaphthene-d10	4609		14.131			

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:	SBLK067	SDG No.:	BM071924
Lab Sample ID:	PB162067BL	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
BM046720.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9656	16.887				
1719-03-5	Chrysene-d12	6817	21.094				
1520-96-3	Perylene-d12	7095	23.227				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4DQ4	SDG No.:	BM071924
Lab Sample ID:	P3201-24	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
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
BM046721.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

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	500	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	440	E	0.33	0.82	3.3	ug/Kg
83-32-9	Acenaphthene	510	E	0.18	0.82	3.3	ug/Kg
86-73-7	Fluorene	130	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	190	E	0.18	0.82	3.3	ug/Kg
120-12-7	Anthracene	250	E	0.17	0.82	3.3	ug/Kg
206-44-0	Fluoranthene	360	E	0.18	0.82	3.3	ug/Kg
129-00-0	Pyrene	110	E	0.24	0.82	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	190	E	0.09	0.82	3.3	ug/Kg
218-01-9	Chrysene	66	E	0.25	0.82	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	210	E	0.47	0.82	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	190	E	0.32	0.82	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	120	E	0.32	0.82	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	95	E	0.52	0.82	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32		0.47	0.82	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	210	E	0.75	0.82	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.292		15-120		36	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.36		30-130		90	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.283		20-140		71	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2579		7.489			
1146-65-2	Naphthalene-d8	7129		10.248			
15067-26-2	Acenaphthene-d10	4820		14.131			

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4DQ4	SDG No.:	BM071924
Lab Sample ID:	P3201-24	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
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
BM046721.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9840	16.887				
1719-03-5	Chrysene-d12	6620	21.094				
1520-96-3	Perylene-d12	7444	23.227				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4DQ4DL	SDG No.:	BM071924
Lab Sample ID:	P3201-24DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
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
BM046722.D	10	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	8.9	U	8.9	0	67	ug/Kg
91-20-3	Naphthalene	480	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	500	D	1.8	8.2	33	ug/Kg
86-73-7	Fluorene	120	D	2.2	8.2	33	ug/Kg
87-86-5	Pentachlorophenol	20	U	20	16.7	67	ug/Kg
85-01-8	Phenanthrene	190	D	1.8	8.2	33	ug/Kg
120-12-7	Anthracene	240	D	1.7	8.2	33	ug/Kg
206-44-0	Fluoranthene	340	D	1.8	8.2	33	ug/Kg
129-00-0	Pyrene	100	D	2.4	8.2	33	ug/Kg
56-55-3	Benzo(a)anthracene	180	D	0.93	8.2	33	ug/Kg
218-01-9	Chrysene	65	D	2.5	8.2	33	ug/Kg
205-99-2	Benzo(b)fluoranthene	190	D	4.7	8.2	33	ug/Kg
207-08-9	Benzo(k)fluoranthene	190	D	3.2	8.2	33	ug/Kg
50-32-8	Benzo(a)pyrene	110	D	3.2	8.2	33	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	93	D	5.2	8.2	33	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32	JD	4.7	8.2	33	ug/Kg
191-24-2	Benzo(g,h,i)perylene	210	D	7.5	8.2	33	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.35		15-120		44	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.37		30-130		93	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.42		20-140		105	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2460		7.489			
1146-65-2	Naphthalene-d8	6699		10.248			
15067-26-2	Acenaphthene-d10	4258		14.131			

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4DQ4DL	SDG No.:	BM071924
Lab Sample ID:	P3201-24DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	0
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
BM046722.D	10	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	8629	16.887				
1719-03-5	Chrysene-d12	6084	21.094				
1520-96-3	Perylene-d12	7132	23.227				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	8.9	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CK6	SDG No.:	BM071924
Lab Sample ID:	P3201-20	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.3
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
BM046723.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	7.9	ug/Kg
91-20-3	Naphthalene	14		0.24	0.97	3.9	ug/Kg
90-12-0	1-Methylnaphthalene	16		0.61	0.97	3.9	ug/Kg
91-57-6	2-Methylnaphthalene	25		0.22	0.97	3.9	ug/Kg
208-96-8	Acenaphthylene	4.4		0.39	0.97	3.9	ug/Kg
83-32-9	Acenaphthene	31		0.21	0.97	3.9	ug/Kg
86-73-7	Fluorene	25		0.26	0.97	3.9	ug/Kg
87-86-5	Pentachlorophenol	2.4	U	2.4	2	7.9	ug/Kg
85-01-8	Phenanthrene	190	E	0.21	0.97	3.9	ug/Kg
120-12-7	Anthracene	28		0.2	0.97	3.9	ug/Kg
206-44-0	Fluoranthene	210	E	0.21	0.97	3.9	ug/Kg
129-00-0	Pyrene	130	E	0.28	0.97	3.9	ug/Kg
56-55-3	Benzo(a)anthracene	74	E	0.11	0.97	3.9	ug/Kg
218-01-9	Chrysene	79	E	0.3	0.97	3.9	ug/Kg
205-99-2	Benzo(b)fluoranthene	93	E	0.55	0.97	3.9	ug/Kg
207-08-9	Benzo(k)fluoranthene	35		0.38	0.97	3.9	ug/Kg
50-32-8	Benzo(a)pyrene	43		0.38	0.97	3.9	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	27		0.61	0.97	3.9	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	12		0.55	0.97	3.9	ug/Kg
191-24-2	Benzo(g,h,i)perylene	5.4		0.89	0.97	3.9	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.441		15-120		43	SPK: -8
93951-69-0	Fluoranthene-d10	0.26		30-130		65	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.402		20-140		100	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2433		7.485			
1146-65-2	Naphthalene-d8	6966		10.244			
15067-26-2	Acenaphthene-d10	4509		14.132			

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CK6	SDG No.:	BM071924
Lab Sample ID:	P3201-20	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.3
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
BM046723.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9247	16.884				
1719-03-5	Chrysene-d12	6953	21.093				
1520-96-3	Perylene-d12	7664	23.229				
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:	SBLK067	SDG No.:	BM071924
Lab Sample ID:	PB162067BL	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
BM046725.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

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	3.202		15-120		40	SPK: -8
93951-69-0	Fluoranthene-d10	0.27		30-130		68	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	3202	7.489				
1146-65-2	Naphthalene-d8	6378	10.244				
15067-26-2	Acenaphthene-d10	4193	14.132				

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:	SBLK067	SDG No.:	BM071924
Lab Sample ID:	PB162067BL	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
BM046725.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	8489	16.884				
1719-03-5	Chrysene-d12	6162	21.093				
1520-96-3	Perylene-d12	6370	23.226				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	A4BY7	SDG No.:	BM071924
Lab Sample ID:	P3201-01	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	26.5
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
BM046726.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	U	1.2	0	9.1	ug/Kg
91-20-3	Naphthalene	11		0.27	1.1	4.5	ug/Kg
90-12-0	1-Methylnaphthalene	5.1		0.71	1.1	4.5	ug/Kg
91-57-6	2-Methylnaphthalene	6.7		0.26	1.1	4.5	ug/Kg
208-96-8	Acenaphthylene	18		0.45	1.1	4.5	ug/Kg
83-32-9	Acenaphthene	20		0.24	1.1	4.5	ug/Kg
86-73-7	Fluorene	21		0.3	1.1	4.5	ug/Kg
87-86-5	Pentachlorophenol	2.7	U	2.7	2.3	9.1	ug/Kg
85-01-8	Phenanthrene	280	E	0.24	1.1	4.5	ug/Kg
120-12-7	Anthracene	53		0.23	1.1	4.5	ug/Kg
206-44-0	Fluoranthene	510	E	0.24	1.1	4.5	ug/Kg
129-00-0	Pyrene	250	E	0.33	1.1	4.5	ug/Kg
56-55-3	Benzo(a)anthracene	210	E	0.13	1.1	4.5	ug/Kg
218-01-9	Chrysene	230	E	0.34	1.1	4.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	300	E	0.64	1.1	4.5	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	E	0.44	1.1	4.5	ug/Kg
50-32-8	Benzo(a)pyrene	87	E	0.44	1.1	4.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	69		0.71	1.1	4.5	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	38		0.64	1.1	4.5	ug/Kg
191-24-2	Benzo(g,h,i)perylene	12		1	1.1	4.5	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.134		15-120		27	SPK: -8
93951-69-0	Fluoranthene-d10	0.179		30-130		45	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.163		20-140		41	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2790	7.489				
1146-65-2	Naphthalene-d8	7679	10.244				
15067-26-2	Acenaphthene-d10	4920	14.132				

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	A4BY7	SDG No.:	BM071924
Lab Sample ID:	P3201-01	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	26.5
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
BM046726.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9928	16.884				
1719-03-5	Chrysene-d12	7714	21.093				
1520-96-3	Perylene-d12	9523	23.227				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.2	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	A4BY8	SDG No.:	BM071924
Lab Sample ID:	P3201-02	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.4
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
BM046727.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.97	U	0.97	0	7.3	ug/Kg
91-20-3	Naphthalene	2.9	J	0.22	0.9	3.6	ug/Kg
90-12-0	1-Methylnaphthalene	1.2	J	0.57	0.9	3.6	ug/Kg
91-57-6	2-Methylnaphthalene	1.7	J	0.21	0.9	3.6	ug/Kg
208-96-8	Acenaphthylene	5.6		0.36	0.9	3.6	ug/Kg
83-32-9	Acenaphthene	4.9		0.2	0.9	3.6	ug/Kg
86-73-7	Fluorene	4.4		0.24	0.9	3.6	ug/Kg
87-86-5	Pentachlorophenol	2.2	U	2.2	1.8	7.3	ug/Kg
85-01-8	Phenanthrene	74	E	0.2	0.9	3.6	ug/Kg
120-12-7	Anthracene	13		0.18	0.9	3.6	ug/Kg
206-44-0	Fluoranthene	180	E	0.2	0.9	3.6	ug/Kg
129-00-0	Pyrene	83	E	0.26	0.9	3.6	ug/Kg
56-55-3	Benzo(a)anthracene	67	E	0.1	0.9	3.6	ug/Kg
218-01-9	Chrysene	80	E	0.27	0.9	3.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	E	0.51	0.9	3.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	42		0.35	0.9	3.6	ug/Kg
50-32-8	Benzo(a)pyrene	30		0.35	0.9	3.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	25		0.57	0.9	3.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	14		0.51	0.9	3.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4.7		0.82	0.9	3.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.268		15-120		28	SPK: -8
93951-69-0	Fluoranthene-d10	0.235		30-130		59	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.218		20-140		54	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3642		7.485			
1146-65-2	Naphthalene-d8	8276		10.244			
15067-26-2	Acenaphthene-d10	5155		14.132			

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	A4BY8	SDG No.:	BM071924
Lab Sample ID:	P3201-02	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.4
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
BM046727.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9984	16.884				
1719-03-5	Chrysene-d12	7191	21.093				
1520-96-3	Perylene-d12	7871	23.23				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.97	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	A4BY9	SDG No.:	BM071924
Lab Sample ID:	P3201-03	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	24
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
BM046728.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	U	1.2	0	8.8	ug/Kg
91-20-3	Naphthalene	13		0.26	1.1	4.3	ug/Kg
90-12-0	1-Methylnaphthalene	6		0.68	1.1	4.3	ug/Kg
91-57-6	2-Methylnaphthalene	7.9		0.25	1.1	4.3	ug/Kg
208-96-8	Acenaphthylene	27		0.43	1.1	4.3	ug/Kg
83-32-9	Acenaphthene	32		0.24	1.1	4.3	ug/Kg
86-73-7	Fluorene	31		0.29	1.1	4.3	ug/Kg
87-86-5	Pentachlorophenol	2.6	U	2.6	2.2	8.8	ug/Kg
85-01-8	Phenanthrene	430	E	0.24	1.1	4.3	ug/Kg
120-12-7	Anthracene	75	E	0.22	1.1	4.3	ug/Kg
206-44-0	Fluoranthene	920	E	0.24	1.1	4.3	ug/Kg
129-00-0	Pyrene	440	E	0.31	1.1	4.3	ug/Kg
56-55-3	Benzo(a)anthracene	350	E	0.12	1.1	4.3	ug/Kg
218-01-9	Chrysene	390	E	0.33	1.1	4.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	480	E	0.62	1.1	4.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	170	E	0.42	1.1	4.3	ug/Kg
50-32-8	Benzo(a)pyrene	140	E	0.42	1.1	4.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	E	0.68	1.1	4.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	60		0.62	1.1	4.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	20		0.98	1.1	4.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.241		15-120		28	SPK: -8
93951-69-0	Fluoranthene-d10	0.222		30-130		56	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.157		20-140		39	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2977		7.489			
1146-65-2	Naphthalene-d8	9719		10.248			
15067-26-2	Acenaphthene-d10	5052		14.131			

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	A4BY9	SDG No.:	BM071924
Lab Sample ID:	P3201-03	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	24
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
BM046728.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	10167	16.887				
1719-03-5	Chrysene-d12	6974	21.096				
1520-96-3	Perylene-d12	8823	23.23				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.2	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CK1	SDG No.:	BM071924
Lab Sample ID:	P3201-19	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.7
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
BM046729.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.97	U	0.97	0	7.3	ug/Kg
91-20-3	Naphthalene	24		0.22	0.9	3.6	ug/Kg
90-12-0	1-Methylnaphthalene	9.8		0.57	0.9	3.6	ug/Kg
91-57-6	2-Methylnaphthalene	16		0.21	0.9	3.6	ug/Kg
208-96-8	Acenaphthylene	53		0.36	0.9	3.6	ug/Kg
83-32-9	Acenaphthene	21		0.2	0.9	3.6	ug/Kg
86-73-7	Fluorene	24		0.24	0.9	3.6	ug/Kg
87-86-5	Pentachlorophenol	4.3	J	2.2	1.8	7.3	ug/Kg
85-01-8	Phenanthrene	280	E	0.2	0.9	3.6	ug/Kg
120-12-7	Anthracene	68	E	0.19	0.9	3.6	ug/Kg
206-44-0	Fluoranthene	540	E	0.2	0.9	3.6	ug/Kg
129-00-0	Pyrene	370	E	0.26	0.9	3.6	ug/Kg
56-55-3	Benzo(a)anthracene	240	E	0.1	0.9	3.6	ug/Kg
218-01-9	Chrysene	280	E	0.27	0.9	3.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	340	E	0.51	0.9	3.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	E	0.35	0.9	3.6	ug/Kg
50-32-8	Benzo(a)pyrene	140	E	0.35	0.9	3.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	E	0.57	0.9	3.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	45		0.51	0.9	3.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	20		0.82	0.9	3.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.42		15-120		30	SPK: -8
93951-69-0	Fluoranthene-d10	0.258		30-130		64	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.207		20-140		52	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3317		7.485			
1146-65-2	Naphthalene-d8	7522		10.244			
15067-26-2	Acenaphthene-d10	5032		14.132			

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CK1	SDG No.:	BM071924
Lab Sample ID:	P3201-19	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.7
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
BM046729.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	10841	16.884				
1719-03-5	Chrysene-d12	7263	21.096				
1520-96-3	Perylene-d12	8908	23.235				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.97	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CJ3	SDG No.:	BM071924
Lab Sample ID:	P3201-17	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	48.8
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
BM046730.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.7	U	1.7	0	13	ug/Kg
91-20-3	Naphthalene	21		0.39	1.6	6.4	ug/Kg
90-12-0	1-Methylnaphthalene	10		1	1.6	6.4	ug/Kg
91-57-6	2-Methylnaphthalene	12		0.37	1.6	6.4	ug/Kg
208-96-8	Acenaphthylene	49		0.64	1.6	6.4	ug/Kg
83-32-9	Acenaphthene	47		0.35	1.6	6.4	ug/Kg
86-73-7	Fluorene	47		0.43	1.6	6.4	ug/Kg
87-86-5	Pentachlorophenol	3.9	U	3.9	3.3	13	ug/Kg
85-01-8	Phenanthrene	640	E	0.35	1.6	6.4	ug/Kg
120-12-7	Anthracene	120	E	0.33	1.6	6.4	ug/Kg
206-44-0	Fluoranthene	1500	E	0.35	1.6	6.4	ug/Kg
129-00-0	Pyrene	920	E	0.47	1.6	6.4	ug/Kg
56-55-3	Benzo(a)anthracene	570	E	0.18	1.6	6.4	ug/Kg
218-01-9	Chrysene	640	E	0.49	1.6	6.4	ug/Kg
205-99-2	Benzo(b)fluoranthene	790	E	0.92	1.6	6.4	ug/Kg
207-08-9	Benzo(k)fluoranthene	310	E	0.63	1.6	6.4	ug/Kg
50-32-8	Benzo(a)pyrene	340	E	0.63	1.6	6.4	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	240	E	1	1.6	6.4	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	99		0.92	1.6	6.4	ug/Kg
191-24-2	Benzo(g,h,i)perylene	44		1.5	1.6	6.4	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.324		15-120		29	SPK: -8
93951-69-0	Fluoranthene-d10	0.223		30-130		56	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.176		20-140		44	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3402		7.489			
1146-65-2	Naphthalene-d8	9352		10.248			
15067-26-2	Acenaphthene-d10	5856		14.131			

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CJ3	SDG No.:	BM071924
Lab Sample ID:	P3201-17	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	48.8
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
BM046730.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11918	16.887				
1719-03-5	Chrysene-d12	7792	21.097				
1520-96-3	Perylene-d12	9780	23.233				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.7	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CJ9	SDG No.:	BM071924
Lab Sample ID:	P3201-18	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	5.4
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
BM046731.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

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	0.88	J	0.21	0.87	3.5	ug/Kg
90-12-0	1-Methylnaphthalene	0.55	U	0.55	0.87	3.5	ug/Kg
91-57-6	2-Methylnaphthalene	0.2	U	0.2	0.87	3.5	ug/Kg
208-96-8	Acenaphthylene	2.2	J	0.35	0.87	3.5	ug/Kg
83-32-9	Acenaphthene	0.91	J	0.19	0.87	3.5	ug/Kg
86-73-7	Fluorene	1.1	J	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	9.5		0.19	0.87	3.5	ug/Kg
120-12-7	Anthracene	2.3	J	0.18	0.87	3.5	ug/Kg
206-44-0	Fluoranthene	12		0.19	0.87	3.5	ug/Kg
129-00-0	Pyrene	9.9		0.25	0.87	3.5	ug/Kg
56-55-3	Benzo(a)anthracene	6.1		0.1	0.87	3.5	ug/Kg
218-01-9	Chrysene	6.9		0.26	0.87	3.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	9.1		0.5	0.87	3.5	ug/Kg
207-08-9	Benzo(k)fluoranthene	3.4	J	0.34	0.87	3.5	ug/Kg
50-32-8	Benzo(a)pyrene	6.7		0.34	0.87	3.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4		0.55	0.87	3.5	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.2	J	0.5	0.87	3.5	ug/Kg
191-24-2	Benzo(g,h,i)perylene	5		0.79	0.87	3.5	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.8		15-120		35	SPK: -8
93951-69-0	Fluoranthene-d10	0.257		30-130		64	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.284		20-140		71	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4520		7.489			
1146-65-2	Naphthalene-d8	9112		10.249			
15067-26-2	Acenaphthene-d10	5880		14.132			

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CJ9	SDG No.:	BM071924
Lab Sample ID:	P3201-18	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	5.4
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
BM046731.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12563	16.888				
1719-03-5	Chrysene-d12	10824	21.096				
1520-96-3	Perylene-d12	16460	23.23				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.94	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CK6MS	SDG No.:	BM071924
Lab Sample ID:	P3201-25MS	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.3
Sample Wt/Vol:	30.02 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
BM046732.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	32		1.1	0	7.9	ug/Kg
91-20-3	Naphthalene	44		0.24	0.97	3.9	ug/Kg
90-12-0	1-Methylnaphthalene	21		0.61	0.97	3.9	ug/Kg
91-57-6	2-Methylnaphthalene	30		0.22	0.97	3.9	ug/Kg
208-96-8	Acenaphthylene	16		0.39	0.97	3.9	ug/Kg
83-32-9	Acenaphthene	100	E	0.21	0.97	3.9	ug/Kg
86-73-7	Fluorene	89	E	0.26	0.97	3.9	ug/Kg
87-86-5	Pentachlorophenol	6.6	J	2.4	2	7.9	ug/Kg
85-01-8	Phenanthrene	630	E	0.21	0.97	3.9	ug/Kg
120-12-7	Anthracene	150	E	0.2	0.97	3.9	ug/Kg
206-44-0	Fluoranthene	800	E	0.21	0.97	3.9	ug/Kg
129-00-0	Pyrene	500	E	0.28	0.97	3.9	ug/Kg
56-55-3	Benzo(a)anthracene	330	E	0.11	0.97	3.9	ug/Kg
218-01-9	Chrysene	300	E	0.29	0.97	3.9	ug/Kg
205-99-2	Benzo(b)fluoranthene	330	E	0.55	0.97	3.9	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	E	0.38	0.97	3.9	ug/Kg
50-32-8	Benzo(a)pyrene	160	E	0.38	0.97	3.9	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	99	E	0.61	0.97	3.9	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	51		0.55	0.97	3.9	ug/Kg
191-24-2	Benzo(g,h,i)perylene	19		0.88	0.97	3.9	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.352		15-120		44	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.336		30-130		84	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	2907		7.489			
1146-65-2	Naphthalene-d8	8011		10.243			
15067-26-2	Acenaphthene-d10	5194		14.132			

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CK6MS	SDG No.:	BM071924
Lab Sample ID:	P3201-25MS	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.3
Sample Wt/Vol:	30.02 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
BM046732.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11183	16.888				
1719-03-5	Chrysene-d12	8076	21.096				
1520-96-3	Perylene-d12	10256	23.229				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CK6MSD	SDG No.:	BM071924
Lab Sample ID:	P3201-26MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.3
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
BM046733.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	31		1	0	7.9	ug/Kg
91-20-3	Naphthalene	45		0.24	0.97	3.9	ug/Kg
90-12-0	1-Methylnaphthalene	21		0.61	0.97	3.9	ug/Kg
91-57-6	2-Methylnaphthalene	30		0.22	0.97	3.9	ug/Kg
208-96-8	Acenaphthylene	14		0.39	0.97	3.9	ug/Kg
83-32-9	Acenaphthene	110	E	0.21	0.97	3.9	ug/Kg
86-73-7	Fluorene	85	E	0.26	0.97	3.9	ug/Kg
87-86-5	Pentachlorophenol	6.3	J	2.4	2	7.9	ug/Kg
85-01-8	Phenanthrene	640	E	0.21	0.97	3.9	ug/Kg
120-12-7	Anthracene	150	E	0.2	0.97	3.9	ug/Kg
206-44-0	Fluoranthene	740	E	0.21	0.97	3.9	ug/Kg
129-00-0	Pyrene	460	E	0.28	0.97	3.9	ug/Kg
56-55-3	Benzo(a)anthracene	340	E	0.11	0.97	3.9	ug/Kg
218-01-9	Chrysene	310	E	0.29	0.97	3.9	ug/Kg
205-99-2	Benzo(b)fluoranthene	330	E	0.55	0.97	3.9	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	E	0.38	0.97	3.9	ug/Kg
50-32-8	Benzo(a)pyrene	170	E	0.38	0.97	3.9	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	E	0.61	0.97	3.9	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	52		0.55	0.97	3.9	ug/Kg
191-24-2	Benzo(g,h,i)perylene	19		0.88	0.97	3.9	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.339		15-120		42	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.31		30-130		77	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.274		20-140		68	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3339		7.489			
1146-65-2	Naphthalene-d8	9497		10.242			
15067-26-2	Acenaphthene-d10	5813		14.131			

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CK6MSD	SDG No.:	BM071924
Lab Sample ID:	P3201-26MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.3
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
BM046733.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	10378	16.887				
1719-03-5	Chrysene-d12	7456	21.096				
1520-96-3	Perylene-d12	8629	23.23				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CJ0	SDG No.:	BM071924
Lab Sample ID:	P3201-16	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	17
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
BM046734.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

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	3.4	J	0.24	0.99	4	ug/Kg
90-12-0	1-Methylnaphthalene	1.2	J	0.62	0.99	4	ug/Kg
91-57-6	2-Methylnaphthalene	1.8	J	0.23	0.99	4	ug/Kg
208-96-8	Acenaphthylene	3.2	J	0.4	0.99	4	ug/Kg
83-32-9	Acenaphthene	7.7		0.22	0.99	4	ug/Kg
86-73-7	Fluorene	6.6		0.26	0.99	4	ug/Kg
87-86-5	Pentachlorophenol	2.4	U	2.4	2	8	ug/Kg
85-01-8	Phenanthrene	66	E	0.22	0.99	4	ug/Kg
120-12-7	Anthracene	14		0.2	0.99	4	ug/Kg
206-44-0	Fluoranthene	97	E	0.22	0.99	4	ug/Kg
129-00-0	Pyrene	77	E	0.29	0.99	4	ug/Kg
56-55-3	Benzo(a)anthracene	36		0.11	0.99	4	ug/Kg
218-01-9	Chrysene	38		0.3	0.99	4	ug/Kg
205-99-2	Benzo(b)fluoranthene	49		0.56	0.99	4	ug/Kg
207-08-9	Benzo(k)fluoranthene	18		0.38	0.99	4	ug/Kg
50-32-8	Benzo(a)pyrene	40		0.38	0.99	4	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	21		0.62	0.99	4	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	6.4		0.56	0.99	4	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28		0.9	0.99	4	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.97		15-120		37	SPK: -8
93951-69-0	Fluoranthene-d10	0.247		30-130		62	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	3701		7.484			
1146-65-2	Naphthalene-d8	10169		10.243			
15067-26-2	Acenaphthene-d10	7745		14.132			

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CJ0	SDG No.:	BM071924
Lab Sample ID:	P3201-16	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	17
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
BM046734.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12059	16.888				
1719-03-5	Chrysene-d12	8461	21.093				
1520-96-3	Perylene-d12	9114	23.229				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	A4BZ2	SDG No.:	BM071924
Lab Sample ID:	P3201-04	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	40.6
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
BM046735.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.5	U	1.5	0	11	ug/Kg
91-20-3	Naphthalene	4.9	J	0.34	1.4	5.6	ug/Kg
90-12-0	1-Methylnaphthalene	1.9	J	0.88	1.4	5.6	ug/Kg
91-57-6	2-Methylnaphthalene	2.5	J	0.32	1.4	5.6	ug/Kg
208-96-8	Acenaphthylene	5.1	J	0.56	1.4	5.6	ug/Kg
83-32-9	Acenaphthene	5.2	J	0.3	1.4	5.6	ug/Kg
86-73-7	Fluorene	5.5	J	0.37	1.4	5.6	ug/Kg
87-86-5	Pentachlorophenol	3.4	U	3.4	2.8	11	ug/Kg
85-01-8	Phenanthrene	58		0.3	1.4	5.6	ug/Kg
120-12-7	Anthracene	12		0.29	1.4	5.6	ug/Kg
206-44-0	Fluoranthene	99	E	0.3	1.4	5.6	ug/Kg
129-00-0	Pyrene	79		0.4	1.4	5.6	ug/Kg
56-55-3	Benzo(a)anthracene	39		0.16	1.4	5.6	ug/Kg
218-01-9	Chrysene	43		0.42	1.4	5.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	61		0.79	1.4	5.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	18		0.54	1.4	5.6	ug/Kg
50-32-8	Benzo(a)pyrene	45		0.54	1.4	5.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	25		0.88	1.4	5.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	7.5		0.79	1.4	5.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	32		1.3	1.4	5.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.668		15-120		33	SPK: -8
93951-69-0	Fluoranthene-d10	0.227		30-130		57	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.213		20-140		53	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4032		7.484			
1146-65-2	Naphthalene-d8	11269		10.248			
15067-26-2	Acenaphthene-d10	6667		14.131			

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	A4BZ2	SDG No.:	BM071924
Lab Sample ID:	P3201-04	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	40.6
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
BM046735.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12829	16.887				
1719-03-5	Chrysene-d12	9190	21.093				
1520-96-3	Perylene-d12	9881	23.227				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.5	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	A4BZ3	SDG No.:	BM071924
Lab Sample ID:	P3201-05	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	13.6
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046736.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1	U	1	0	7.7	ug/Kg
91-20-3	Naphthalene	3.7	J	0.23	0.95	3.8	ug/Kg
90-12-0	1-Methylnaphthalene	1.6	J	0.6	0.95	3.8	ug/Kg
91-57-6	2-Methylnaphthalene	2.3	J	0.22	0.95	3.8	ug/Kg
208-96-8	Acenaphthylene	7.6		0.38	0.95	3.8	ug/Kg
83-32-9	Acenaphthene	5.2		0.21	0.95	3.8	ug/Kg
86-73-7	Fluorene	7.6		0.25	0.95	3.8	ug/Kg
87-86-5	Pentachlorophenol	2.3	U	2.3	1.9	7.7	ug/Kg
85-01-8	Phenanthrene	97	E	0.21	0.95	3.8	ug/Kg
120-12-7	Anthracene	17		0.2	0.95	3.8	ug/Kg
206-44-0	Fluoranthene	250	E	0.21	0.95	3.8	ug/Kg
129-00-0	Pyrene	120	E	0.28	0.95	3.8	ug/Kg
56-55-3	Benzo(a)anthracene	91	E	0.11	0.95	3.8	ug/Kg
218-01-9	Chrysene	110	E	0.29	0.95	3.8	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	E	0.54	0.95	3.8	ug/Kg
207-08-9	Benzo(k)fluoranthene	54		0.37	0.95	3.8	ug/Kg
50-32-8	Benzo(a)pyrene	42		0.37	0.95	3.8	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	36		0.6	0.95	3.8	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	19		0.54	0.95	3.8	ug/Kg
191-24-2	Benzo(g,h,i)perylene	6.6		0.87	0.95	3.8	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.53		15-120		32	SPK: -8
93951-69-0	Fluoranthene-d10	0.222		30-130		56	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.204		20-140		51	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3673		7.485			
1146-65-2	Naphthalene-d8	10481		10.243			
15067-26-2	Acenaphthene-d10	6242		14.131			

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	A4BZ3	SDG No.:	BM071924
Lab Sample ID:	P3201-05	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	13.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046736.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11613	16.887				
1719-03-5	Chrysene-d12	8434	21.094				
1520-96-3	Perylene-d12	9207	23.227				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	A4BZ4	SDG No.:	BM071924
Lab Sample ID:	P3201-06	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.9
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
BM046737.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	8.6	ug/Kg
91-20-3	Naphthalene	9		0.26	1.1	4.2	ug/Kg
90-12-0	1-Methylnaphthalene	3.7	J	0.67	1.1	4.2	ug/Kg
91-57-6	2-Methylnaphthalene	5.4		0.24	1.1	4.2	ug/Kg
208-96-8	Acenaphthylene	11		0.42	1.1	4.2	ug/Kg
83-32-9	Acenaphthene	13		0.23	1.1	4.2	ug/Kg
86-73-7	Fluorene	14		0.28	1.1	4.2	ug/Kg
87-86-5	Pentachlorophenol	2.6	U	2.6	2.1	8.6	ug/Kg
85-01-8	Phenanthrene	160	E	0.23	1.1	4.2	ug/Kg
120-12-7	Anthracene	33		0.22	1.1	4.2	ug/Kg
206-44-0	Fluoranthene	270	E	0.23	1.1	4.2	ug/Kg
129-00-0	Pyrene	130	E	0.31	1.1	4.2	ug/Kg
56-55-3	Benzo(a)anthracene	110	E	0.12	1.1	4.2	ug/Kg
218-01-9	Chrysene	110	E	0.32	1.1	4.2	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	E	0.6	1.1	4.2	ug/Kg
207-08-9	Benzo(k)fluoranthene	54		0.41	1.1	4.2	ug/Kg
50-32-8	Benzo(a)pyrene	42		0.41	1.1	4.2	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31		0.67	1.1	4.2	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	18		0.6	1.1	4.2	ug/Kg
191-24-2	Benzo(g,h,i)perylene	5.6		0.96	1.1	4.2	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.172		15-120		27	SPK: -8
93951-69-0	Fluoranthene-d10	0.191		30-130		48	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.168		20-140		42	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3776		7.484			
1146-65-2	Naphthalene-d8	10513		10.243			
15067-26-2	Acenaphthene-d10	6252		14.132			

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	A4BZ4	SDG No.:	BM071924
Lab Sample ID:	P3201-06	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.9
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
BM046737.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11733	16.884				
1719-03-5	Chrysene-d12	8383	21.093				
1520-96-3	Perylene-d12	9444	23.226				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CH9	SDG No.:	BM071924
Lab Sample ID:	P3201-15	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.5
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046738.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	8.5	ug/Kg
91-20-3	Naphthalene	7.9		0.25	1	4.2	ug/Kg
90-12-0	1-Methylnaphthalene	4	J	0.66	1	4.2	ug/Kg
91-57-6	2-Methylnaphthalene	5.8		0.24	1	4.2	ug/Kg
208-96-8	Acenaphthylene	4.7		0.42	1	4.2	ug/Kg
83-32-9	Acenaphthene	22		0.23	1	4.2	ug/Kg
86-73-7	Fluorene	20		0.28	1	4.2	ug/Kg
87-86-5	Pentachlorophenol	2.5	U	2.5	2.1	8.5	ug/Kg
85-01-8	Phenanthrene	150	E	0.23	1	4.2	ug/Kg
120-12-7	Anthracene	31		0.22	1	4.2	ug/Kg
206-44-0	Fluoranthene	200	E	0.23	1	4.2	ug/Kg
129-00-0	Pyrene	120	E	0.3	1	4.2	ug/Kg
56-55-3	Benzo(a)anthracene	77	E	0.12	1	4.2	ug/Kg
218-01-9	Chrysene	79	E	0.32	1	4.2	ug/Kg
205-99-2	Benzo(b)fluoranthene	99	E	0.6	1	4.2	ug/Kg
207-08-9	Benzo(k)fluoranthene	34		0.41	1	4.2	ug/Kg
50-32-8	Benzo(a)pyrene	43		0.41	1	4.2	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	28		0.66	1	4.2	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	13		0.6	1	4.2	ug/Kg
191-24-2	Benzo(g,h,i)perylene	5.1		0.95	1	4.2	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.707		15-120		21	SPK: -8
93951-69-0	Fluoranthene-d10	0.227		30-130		57	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.198		20-140		50	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4448		7.484			
1146-65-2	Naphthalene-d8	8494		10.242			
15067-26-2	Acenaphthene-d10	5787		14.131			

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CH9	SDG No.:	BM071924
Lab Sample ID:	P3201-15	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.5
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
BM046738.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12423	16.887				
1719-03-5	Chrysene-d12	9273	21.093				
1520-96-3	Perylene-d12	10098	23.23				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CH7	SDG No.:	BM071924
Lab Sample ID:	P3201-13	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	9.1
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
BM046739.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.98	U	0.98	0	7.4	ug/Kg
91-20-3	Naphthalene	4.3		0.22	0.91	3.6	ug/Kg
90-12-0	1-Methylnaphthalene	1	J	0.57	0.91	3.6	ug/Kg
91-57-6	2-Methylnaphthalene	1.5	J	0.21	0.91	3.6	ug/Kg
208-96-8	Acenaphthylene	7.5		0.36	0.91	3.6	ug/Kg
83-32-9	Acenaphthene	11		0.2	0.91	3.6	ug/Kg
86-73-7	Fluorene	10		0.24	0.91	3.6	ug/Kg
87-86-5	Pentachlorophenol	2.2	U	2.2	1.8	7.4	ug/Kg
85-01-8	Phenanthrene	140	E	0.2	0.91	3.6	ug/Kg
120-12-7	Anthracene	24		0.19	0.91	3.6	ug/Kg
206-44-0	Fluoranthene	250	E	0.2	0.91	3.6	ug/Kg
129-00-0	Pyrene	150	E	0.26	0.91	3.6	ug/Kg
56-55-3	Benzo(a)anthracene	85	E	0.1	0.91	3.6	ug/Kg
218-01-9	Chrysene	94	E	0.28	0.91	3.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	E	0.52	0.91	3.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	48		0.35	0.91	3.6	ug/Kg
50-32-8	Benzo(a)pyrene	56		0.35	0.91	3.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	40		0.57	0.91	3.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	16		0.52	0.91	3.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	7.5		0.83	0.91	3.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.884		15-120		24	SPK: -8
93951-69-0	Fluoranthene-d10	0.171		30-130		43	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.094		20-140		23	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3628		7.485			
1146-65-2	Naphthalene-d8	15992		10.242			
15067-26-2	Acenaphthene-d10	6091		14.131			

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CH7	SDG No.:	BM071924
Lab Sample ID:	P3201-13	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	9.1
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
BM046739.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11435	16.887				
1719-03-5	Chrysene-d12	8206	21.094				
1520-96-3	Perylene-d12	9007	23.23				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.98	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CH8	SDG No.:	BM071924
Lab Sample ID:	P3201-14	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	9.4
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
BM046740.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.98	U	0.98	0	7.4	ug/Kg
91-20-3	Naphthalene	5.3		0.22	0.91	3.6	ug/Kg
90-12-0	1-Methylnaphthalene	2.2	J	0.57	0.91	3.6	ug/Kg
91-57-6	2-Methylnaphthalene	2.8	J	0.21	0.91	3.6	ug/Kg
208-96-8	Acenaphthylene	14		0.36	0.91	3.6	ug/Kg
83-32-9	Acenaphthene	8.3		0.2	0.91	3.6	ug/Kg
86-73-7	Fluorene	8.7		0.24	0.91	3.6	ug/Kg
87-86-5	Pentachlorophenol	2.2	U	2.2	1.8	7.4	ug/Kg
85-01-8	Phenanthrene	120	E	0.2	0.91	3.6	ug/Kg
120-12-7	Anthracene	37		0.19	0.91	3.6	ug/Kg
206-44-0	Fluoranthene	470	E	0.2	0.91	3.6	ug/Kg
129-00-0	Pyrene	230	E	0.26	0.91	3.6	ug/Kg
56-55-3	Benzo(a)anthracene	180	E	0.1	0.91	3.6	ug/Kg
218-01-9	Chrysene	170	E	0.28	0.91	3.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	230	E	0.52	0.91	3.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	80	E	0.35	0.91	3.6	ug/Kg
50-32-8	Benzo(a)pyrene	110	E	0.35	0.91	3.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	68	E	0.57	0.91	3.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	28		0.52	0.91	3.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	12		0.83	0.91	3.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.471		15-120		31	SPK: -8
93951-69-0	Fluoranthene-d10	0.304		30-130		76	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.19		20-140		47	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3435		7.484			
1146-65-2	Naphthalene-d8	9747		10.242			
15067-26-2	Acenaphthene-d10	5794		14.131			

Report of Analysis

Client:		Date Collected:	7/12/2024 12:00:00 AM
Project:		Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	A4CH8	SDG No.:	BM071924
Lab Sample ID:	P3201-14	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	9.4
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
BM046740.D	1	7/15/2024 12:00:00 AM	7/19/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	10956	16.887				
1719-03-5	Chrysene-d12	7617	21.093				
1520-96-3	Perylene-d12	8756	23.227				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.98	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:	SLCS067	SDG No.:	BM071924
Lab Sample ID:	PB162067BS	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
BM046741.D	1	7/15/2024 12:00:00 AM	7/20/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	35		0.89	0	6.7	ug/Kg
91-20-3	Naphthalene	9.5		0.2	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	8.9		0.52	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	9.1		0.19	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	9		0.33	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	9.5		0.18	0.83	3.3	ug/Kg
86-73-7	Fluorene	8.5		0.22	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	13		2	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	8.7		0.18	0.83	3.3	ug/Kg
120-12-7	Anthracene	8.6		0.17	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	13		0.18	0.83	3.3	ug/Kg
129-00-0	Pyrene	12		0.24	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	8.5		0.09	0.83	3.3	ug/Kg
218-01-9	Chrysene	8.5		0.25	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	8.5		0.47	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	8.5		0.32	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	9.5		0.32	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	8.6		0.52	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	8.4		0.47	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	8.2		0.75	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.412		15-120		51	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.412		30-130		103	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.277		20-140		69	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3984	7.484				
1146-65-2	Naphthalene-d8	10784	10.243				
15067-26-2	Acenaphthene-d10	6161	14.132				

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:	SLCS067	SDG No.:	BM071924
Lab Sample ID:	PB162067BS	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
BM046741.D	1	7/15/2024 12:00:00 AM	7/20/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11440	16.888				
1719-03-5	Chrysene-d12	8480	21.093				
1520-96-3	Perylene-d12	10164	23.226				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM071924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : A4BY7								
P3201-01	A4BY7	Solid	Total Alkanes	*	0.000	1.2	9.1	ug/Kg
			Total Tics :			0.00		
P3201-01	A4BY7	Solid	1-Methylnaphthalene		5.100	0.71	4.5	ug/Kg
P3201-01	A4BY7	Solid	2-Methylnaphthalene		6.700	0.26	4.5	ug/Kg
P3201-01	A4BY7	Solid	Acenaphthene		20.000	0.24	4.5	ug/Kg
P3201-01	A4BY7	Solid	Acenaphthylene		18.000	0.45	4.5	ug/Kg
P3201-01	A4BY7	Solid	Anthracene		53.000	0.23	4.5	ug/Kg
P3201-01	A4BY7	Solid	Benzo(a)anthracene		210.000	E 0.13	4.5	ug/Kg
P3201-01	A4BY7	Solid	Benzo(a)pyrene		87.000	E 0.44	4.5	ug/Kg
P3201-01	A4BY7	Solid	Benzo(b)fluoranthene		300.000	E 0.64	4.5	ug/Kg
P3201-01	A4BY7	Solid	Benzo(g,h,i)perylene		12.000	1	4.5	ug/Kg
P3201-01	A4BY7	Solid	Benzo(k)fluoranthene		100.000	E 0.44	4.5	ug/Kg
P3201-01	A4BY7	Solid	Chrysene		230.000	E 0.34	4.5	ug/Kg
P3201-01	A4BY7	Solid	Dibenzo(a,h)anthracene		38.000	0.64	4.5	ug/Kg
P3201-01	A4BY7	Solid	Fluoranthene		510.000	E 0.24	4.5	ug/Kg
P3201-01	A4BY7	Solid	Fluorene		21.000	0.3	4.5	ug/Kg
P3201-01	A4BY7	Solid	Indeno(1,2,3-cd)pyrene		69.000	0.71	4.5	ug/Kg
P3201-01	A4BY7	Solid	Naphthalene		11.000	0.27	4.5	ug/Kg
P3201-01	A4BY7	Solid	Phenanthrene		280.000	E 0.24	4.5	ug/Kg
P3201-01	A4BY7	Solid	Pyrene		250.000	E 0.33	4.5	ug/Kg
			Total Svoc :			2,220.80		
			Total Concentration:			2,220.80		
Client ID : A4BY8								
P3201-02	A4BY8	Solid	Total Alkanes	*	0.000	0.97	7.3	ug/Kg
			Total Tics :			0.00		
P3201-02	A4BY8	Solid	1-Methylnaphthalene		1.200	J 0.57	3.6	ug/Kg
P3201-02	A4BY8	Solid	2-Methylnaphthalene		1.700	J 0.21	3.6	ug/Kg
P3201-02	A4BY8	Solid	Acenaphthene		4.900	0.2	3.6	ug/Kg
P3201-02	A4BY8	Solid	Acenaphthylene		5.600	0.36	3.6	ug/Kg
P3201-02	A4BY8	Solid	Anthracene		13.000	0.18	3.6	ug/Kg
P3201-02	A4BY8	Solid	Benzo(a)anthracene		67.000	E 0.1	3.6	ug/Kg
P3201-02	A4BY8	Solid	Benzo(a)pyrene		30.000	0.35	3.6	ug/Kg
P3201-02	A4BY8	Solid	Benzo(b)fluoranthene		110.000	E 0.51	3.6	ug/Kg
P3201-02	A4BY8	Solid	Benzo(g,h,i)perylene		4.700	0.82	3.6	ug/Kg
P3201-02	A4BY8	Solid	Benzo(k)fluoranthene		42.000	0.35	3.6	ug/Kg
P3201-02	A4BY8	Solid	Chrysene		80.000	E 0.27	3.6	ug/Kg
P3201-02	A4BY8	Solid	Dibenzo(a,h)anthracene		14.000	0.51	3.6	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM071924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3201-02	A4BY8	Solid	Fluoranthene	180.000	E	0.2	3.6	ug/Kg
P3201-02	A4BY8	Solid	Fluorene	4.400		0.24	3.6	ug/Kg
P3201-02	A4BY8	Solid	Indeno(1,2,3-cd)pyrene	25.000		0.57	3.6	ug/Kg
P3201-02	A4BY8	Solid	Naphthalene	2.900	J	0.22	3.6	ug/Kg
P3201-02	A4BY8	Solid	Phenanthrene	74.000	E	0.2	3.6	ug/Kg
P3201-02	A4BY8	Solid	Pyrene	83.000	E	0.26	3.6	ug/Kg
Total Svoc :				743.40				
Total Concentration:				743.40				
Client ID : A4BY9								
P3201-03	A4BY9	Solid	Total Alkanes	*	0.000	1.2	8.8	ug/Kg
Total Tics :				0.00				
P3201-03	A4BY9	Solid	1-Methylnaphthalene	6.000		0.68	4.3	ug/Kg
P3201-03	A4BY9	Solid	2-Methylnaphthalene	7.900		0.25	4.3	ug/Kg
P3201-03	A4BY9	Solid	Acenaphthene	32.000		0.24	4.3	ug/Kg
P3201-03	A4BY9	Solid	Acenaphthylene	27.000		0.43	4.3	ug/Kg
P3201-03	A4BY9	Solid	Anthracene	75.000	E	0.22	4.3	ug/Kg
P3201-03	A4BY9	Solid	Benzo(a)anthracene	350.000	E	0.12	4.3	ug/Kg
P3201-03	A4BY9	Solid	Benzo(a)pyrene	140.000	E	0.42	4.3	ug/Kg
P3201-03	A4BY9	Solid	Benzo(b)fluoranthene	480.000	E	0.62	4.3	ug/Kg
P3201-03	A4BY9	Solid	Benzo(g,h,i)perylene	20.000		0.98	4.3	ug/Kg
P3201-03	A4BY9	Solid	Benzo(k)fluoranthene	170.000	E	0.42	4.3	ug/Kg
P3201-03	A4BY9	Solid	Chrysene	390.000	E	0.33	4.3	ug/Kg
P3201-03	A4BY9	Solid	Dibenzo(a,h)anthracene	60.000		0.62	4.3	ug/Kg
P3201-03	A4BY9	Solid	Fluoranthene	920.000	E	0.24	4.3	ug/Kg
P3201-03	A4BY9	Solid	Fluorene	31.000		0.29	4.3	ug/Kg
P3201-03	A4BY9	Solid	Indeno(1,2,3-cd)pyrene	110.000	E	0.68	4.3	ug/Kg
P3201-03	A4BY9	Solid	Naphthalene	13.000		0.26	4.3	ug/Kg
P3201-03	A4BY9	Solid	Phenanthrene	430.000	E	0.24	4.3	ug/Kg
P3201-03	A4BY9	Solid	Pyrene	440.000	E	0.31	4.3	ug/Kg
Total Svoc :				3,701.90				
Total Concentration:				3,701.90				
Client ID : A4BZ2								
P3201-04	A4BZ2	Solid	Total Alkanes	*	0.000	1.5	11	ug/Kg
Total Tics :				0.00				
P3201-04	A4BZ2	Solid	1-Methylnaphthalene	1.900	J	0.88	5.6	ug/Kg
P3201-04	A4BZ2	Solid	2-Methylnaphthalene	2.500	J	0.32	5.6	ug/Kg
P3201-04	A4BZ2	Solid	Acenaphthene	5.200	J	0.3	5.6	ug/Kg
P3201-04	A4BZ2	Solid	Acenaphthylene	5.100	J	0.56	5.6	ug/Kg
P3201-04	A4BZ2	Solid	Anthracene	12.000		0.29	5.6	ug/Kg
P3201-04	A4BZ2	Solid	Benzo(a)anthracene	39.000		0.16	5.6	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM071924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3201-04	A4BZ2	Solid	Benzo(a)pyrene	45.000		0.54	5.6	ug/Kg
P3201-04	A4BZ2	Solid	Benzo(b)fluoranthene	61.000		0.79	5.6	ug/Kg
P3201-04	A4BZ2	Solid	Benzo(g,h,i)perylene	32.000		1.3	5.6	ug/Kg
P3201-04	A4BZ2	Solid	Benzo(k)fluoranthene	18.000		0.54	5.6	ug/Kg
P3201-04	A4BZ2	Solid	Chrysene	43.000		0.42	5.6	ug/Kg
P3201-04	A4BZ2	Solid	Dibenzo(a,h)anthracene	7.500		0.79	5.6	ug/Kg
P3201-04	A4BZ2	Solid	Fluoranthene	99.000	E	0.3	5.6	ug/Kg
P3201-04	A4BZ2	Solid	Fluorene	5.500	J	0.37	5.6	ug/Kg
P3201-04	A4BZ2	Solid	Indeno(1,2,3-cd)pyrene	25.000		0.88	5.6	ug/Kg
P3201-04	A4BZ2	Solid	Naphthalene	4.900	J	0.34	5.6	ug/Kg
P3201-04	A4BZ2	Solid	Phenanthrene	58.000		0.3	5.6	ug/Kg
P3201-04	A4BZ2	Solid	Pyrene	79.000		0.4	5.6	ug/Kg
Total Svoc :				543.60				
Total Concentration:				543.60				

Client ID : A4BZ3

P3201-05	A4BZ3	Solid	Total Alkanes	*	0.000	1	7.7	ug/Kg
Total Tics :				0.00				
P3201-05	A4BZ3	Solid	1-Methylnaphthalene	J	1.600	0.6	3.8	ug/Kg
P3201-05	A4BZ3	Solid	2-Methylnaphthalene	J	2.300	0.22	3.8	ug/Kg
P3201-05	A4BZ3	Solid	Acenaphthene		5.200	0.21	3.8	ug/Kg
P3201-05	A4BZ3	Solid	Acenaphthylene		7.600	0.38	3.8	ug/Kg
P3201-05	A4BZ3	Solid	Anthracene		17.000	0.2	3.8	ug/Kg
P3201-05	A4BZ3	Solid	Benzo(a)anthracene	E	91.000	0.11	3.8	ug/Kg
P3201-05	A4BZ3	Solid	Benzo(a)pyrene		42.000	0.37	3.8	ug/Kg
P3201-05	A4BZ3	Solid	Benzo(b)fluoranthene	E	160.000	0.54	3.8	ug/Kg
P3201-05	A4BZ3	Solid	Benzo(g,h,i)perylene		6.600	0.87	3.8	ug/Kg
P3201-05	A4BZ3	Solid	Benzo(k)fluoranthene		54.000	0.37	3.8	ug/Kg
P3201-05	A4BZ3	Solid	Chrysene	E	110.000	0.29	3.8	ug/Kg
P3201-05	A4BZ3	Solid	Dibenzo(a,h)anthracene		19.000	0.54	3.8	ug/Kg
P3201-05	A4BZ3	Solid	Fluoranthene	E	250.000	0.21	3.8	ug/Kg
P3201-05	A4BZ3	Solid	Fluorene		7.600	0.25	3.8	ug/Kg
P3201-05	A4BZ3	Solid	Indeno(1,2,3-cd)pyrene		36.000	0.6	3.8	ug/Kg
P3201-05	A4BZ3	Solid	Naphthalene	J	3.700	0.23	3.8	ug/Kg
P3201-05	A4BZ3	Solid	Phenanthrene	E	97.000	0.21	3.8	ug/Kg
P3201-05	A4BZ3	Solid	Pyrene	E	120.000	0.28	3.8	ug/Kg
Total Svoc :				1,030.60				
Total Concentration:				1,030.60				

Client ID : A4BZ4

P3201-06	A4BZ4	Solid	Total Alkanes	*	0.000	1.1	8.6	ug/Kg
Total Tics :				0.00				

Hit Summary Sheet SW-846

SDG No.: BM071924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3201-06	A4BZ4	Solid	1-Methylnaphthalene	3.700	J	0.67	4.2	ug/Kg
P3201-06	A4BZ4	Solid	2-Methylnaphthalene	5.400		0.24	4.2	ug/Kg
P3201-06	A4BZ4	Solid	Acenaphthene	13.000		0.23	4.2	ug/Kg
P3201-06	A4BZ4	Solid	Acenaphthylene	11.000		0.42	4.2	ug/Kg
P3201-06	A4BZ4	Solid	Anthracene	33.000		0.22	4.2	ug/Kg
P3201-06	A4BZ4	Solid	Benzo(a)anthracene	110.000	E	0.12	4.2	ug/Kg
P3201-06	A4BZ4	Solid	Benzo(a)pyrene	42.000		0.41	4.2	ug/Kg
P3201-06	A4BZ4	Solid	Benzo(b)fluoranthene	140.000	E	0.6	4.2	ug/Kg
P3201-06	A4BZ4	Solid	Benzo(g,h,i)perylene	5.600		0.96	4.2	ug/Kg
P3201-06	A4BZ4	Solid	Benzo(k)fluoranthene	54.000		0.41	4.2	ug/Kg
P3201-06	A4BZ4	Solid	Chrysene	110.000	E	0.32	4.2	ug/Kg
P3201-06	A4BZ4	Solid	Dibenzo(a,h)anthracene	18.000		0.6	4.2	ug/Kg
P3201-06	A4BZ4	Solid	Fluoranthene	270.000	E	0.23	4.2	ug/Kg
P3201-06	A4BZ4	Solid	Fluorene	14.000		0.28	4.2	ug/Kg
P3201-06	A4BZ4	Solid	Indeno(1,2,3-cd)pyrene	31.000		0.67	4.2	ug/Kg
P3201-06	A4BZ4	Solid	Naphthalene	9.000		0.26	4.2	ug/Kg
P3201-06	A4BZ4	Solid	Phenanthrene	160.000	E	0.23	4.2	ug/Kg
P3201-06	A4BZ4	Solid	Pyrene	130.000	E	0.31	4.2	ug/Kg

Total Svoc :

1,159.70

Total Concentration:

1,159.70

Client ID : A4CH7

P3201-13	A4CH7	Solid	Total Alkanes	*	0.000	0.98	7.4	ug/Kg
Total Tics :					0.00			
P3201-13	A4CH7	Solid	1-Methylnaphthalene		1.000	J	0.57	ug/Kg
P3201-13	A4CH7	Solid	2-Methylnaphthalene		1.500	J	0.21	ug/Kg
P3201-13	A4CH7	Solid	Acenaphthene		11.000		0.2	ug/Kg
P3201-13	A4CH7	Solid	Acenaphthylene		7.500		0.36	ug/Kg
P3201-13	A4CH7	Solid	Anthracene		24.000		0.19	ug/Kg
P3201-13	A4CH7	Solid	Benzo(a)anthracene		85.000	E	0.1	ug/Kg
P3201-13	A4CH7	Solid	Benzo(a)pyrene		56.000		0.35	ug/Kg
P3201-13	A4CH7	Solid	Benzo(b)fluoranthene		130.000	E	0.52	ug/Kg
P3201-13	A4CH7	Solid	Benzo(g,h,i)perylene		7.500		0.83	ug/Kg
P3201-13	A4CH7	Solid	Benzo(k)fluoranthene		48.000		0.35	ug/Kg
P3201-13	A4CH7	Solid	Chrysene		94.000	E	0.28	ug/Kg
P3201-13	A4CH7	Solid	Dibenzo(a,h)anthracene		16.000		0.52	ug/Kg
P3201-13	A4CH7	Solid	Fluoranthene		250.000	E	0.2	ug/Kg
P3201-13	A4CH7	Solid	Fluorene		10.000		0.24	ug/Kg
P3201-13	A4CH7	Solid	Indeno(1,2,3-cd)pyrene		40.000		0.57	ug/Kg
P3201-13	A4CH7	Solid	Naphthalene		4.300		0.22	ug/Kg
P3201-13	A4CH7	Solid	Phenanthrene		140.000	E	0.2	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM071924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3201-13	A4CH7	Solid	Pyrene	150.000	E	0.26	3.6	ug/Kg
Total Svoc :				1,075.80				
Total Concentration:				1,075.80				
Client ID : A4CH8								
P3201-14	A4CH8	Solid	Total Alkanes	*	0.000	0.98	7.4	ug/Kg
Total Tics :				0.00				
P3201-14	A4CH8	Solid	1-Methylnaphthalene	2.200	J	0.57	3.6	ug/Kg
P3201-14	A4CH8	Solid	2-Methylnaphthalene	2.800	J	0.21	3.6	ug/Kg
P3201-14	A4CH8	Solid	Acenaphthene	8.300		0.2	3.6	ug/Kg
P3201-14	A4CH8	Solid	Acenaphthylene	14.000		0.36	3.6	ug/Kg
P3201-14	A4CH8	Solid	Anthracene	37.000		0.19	3.6	ug/Kg
P3201-14	A4CH8	Solid	Benzo(a)anthracene	180.000	E	0.1	3.6	ug/Kg
P3201-14	A4CH8	Solid	Benzo(a)pyrene	110.000	E	0.35	3.6	ug/Kg
P3201-14	A4CH8	Solid	Benzo(b)fluoranthene	230.000	E	0.52	3.6	ug/Kg
P3201-14	A4CH8	Solid	Benzo(g,h,i)perylene	12.000		0.83	3.6	ug/Kg
P3201-14	A4CH8	Solid	Benzo(k)fluoranthene	80.000	E	0.35	3.6	ug/Kg
P3201-14	A4CH8	Solid	Chrysene	170.000	E	0.28	3.6	ug/Kg
P3201-14	A4CH8	Solid	Dibenzo(a,h)anthracene	28.000		0.52	3.6	ug/Kg
P3201-14	A4CH8	Solid	Fluoranthene	470.000	E	0.2	3.6	ug/Kg
P3201-14	A4CH8	Solid	Fluorene	8.700		0.24	3.6	ug/Kg
P3201-14	A4CH8	Solid	Indeno(1,2,3-cd)pyrene	68.000	E	0.57	3.6	ug/Kg
P3201-14	A4CH8	Solid	Naphthalene	5.300		0.22	3.6	ug/Kg
P3201-14	A4CH8	Solid	Phenanthrene	120.000	E	0.2	3.6	ug/Kg
P3201-14	A4CH8	Solid	Pyrene	230.000	E	0.26	3.6	ug/Kg
Total Svoc :				1,776.30				
Total Concentration:				1,776.30				
Client ID : A4CH9								
P3201-15	A4CH9	Solid	Total Alkanes	*	0.000	1.1	8.5	ug/Kg
Total Tics :				0.00				
P3201-15	A4CH9	Solid	1-Methylnaphthalene	4.000	J	0.66	4.2	ug/Kg
P3201-15	A4CH9	Solid	2-Methylnaphthalene	5.800		0.24	4.2	ug/Kg
P3201-15	A4CH9	Solid	Acenaphthene	22.000		0.23	4.2	ug/Kg
P3201-15	A4CH9	Solid	Acenaphthylene	4.700		0.42	4.2	ug/Kg
P3201-15	A4CH9	Solid	Anthracene	31.000		0.22	4.2	ug/Kg
P3201-15	A4CH9	Solid	Benzo(a)anthracene	77.000	E	0.12	4.2	ug/Kg
P3201-15	A4CH9	Solid	Benzo(a)pyrene	43.000		0.41	4.2	ug/Kg
P3201-15	A4CH9	Solid	Benzo(b)fluoranthene	99.000	E	0.6	4.2	ug/Kg
P3201-15	A4CH9	Solid	Benzo(g,h,i)perylene	5.100		0.95	4.2	ug/Kg
P3201-15	A4CH9	Solid	Benzo(k)fluoranthene	34.000		0.41	4.2	ug/Kg
P3201-15	A4CH9	Solid	Chrysene	79.000	E	0.32	4.2	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM071924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3201-15	A4CH9	Solid	Dibenzo(a,h)anthracene	13.000		0.6	4.2	ug/Kg
P3201-15	A4CH9	Solid	Fluoranthene	200.000	E	0.23	4.2	ug/Kg
P3201-15	A4CH9	Solid	Fluorene	20.000		0.28	4.2	ug/Kg
P3201-15	A4CH9	Solid	Indeno(1,2,3-cd)pyrene	28.000		0.66	4.2	ug/Kg
P3201-15	A4CH9	Solid	Naphthalene	7.900		0.25	4.2	ug/Kg
P3201-15	A4CH9	Solid	Phenanthrene	150.000	E	0.23	4.2	ug/Kg
P3201-15	A4CH9	Solid	Pyrene	120.000	E	0.3	4.2	ug/Kg
Total Svoc :				943.50				
Total Concentration:				943.50				

Client ID : A4CJ0

P3201-16	A4CJ0	Solid	Total Alkanes	*	0.000	1.1	8	ug/Kg
Total Tics :				0.00				
P3201-16	A4CJ0	Solid	1-Methylnaphthalene		1.200	J 0.62	4	ug/Kg
P3201-16	A4CJ0	Solid	2-Methylnaphthalene		1.800	J 0.23	4	ug/Kg
P3201-16	A4CJ0	Solid	Acenaphthene		7.700	0.22	4	ug/Kg
P3201-16	A4CJ0	Solid	Acenaphthylene		3.200	J 0.4	4	ug/Kg
P3201-16	A4CJ0	Solid	Anthracene		14.000	0.2	4	ug/Kg
P3201-16	A4CJ0	Solid	Benzo(a)anthracene		36.000	0.11	4	ug/Kg
P3201-16	A4CJ0	Solid	Benzo(a)pyrene		40.000	0.38	4	ug/Kg
P3201-16	A4CJ0	Solid	Benzo(b)fluoranthene		49.000	0.56	4	ug/Kg
P3201-16	A4CJ0	Solid	Benzo(g,h,i)perylene		28.000	0.9	4	ug/Kg
P3201-16	A4CJ0	Solid	Benzo(k)fluoranthene		18.000	0.38	4	ug/Kg
P3201-16	A4CJ0	Solid	Chrysene		38.000	0.3	4	ug/Kg
P3201-16	A4CJ0	Solid	Dibenzo(a,h)anthracene		6.400	0.56	4	ug/Kg
P3201-16	A4CJ0	Solid	Fluoranthene		97.000	E 0.22	4	ug/Kg
P3201-16	A4CJ0	Solid	Fluorene		6.600	0.26	4	ug/Kg
P3201-16	A4CJ0	Solid	Indeno(1,2,3-cd)pyrene		21.000	0.62	4	ug/Kg
P3201-16	A4CJ0	Solid	Naphthalene		3.400	J 0.24	4	ug/Kg
P3201-16	A4CJ0	Solid	Phenanthrene		66.000	E 0.22	4	ug/Kg
P3201-16	A4CJ0	Solid	Pyrene		77.000	E 0.29	4	ug/Kg
Total Svoc :				514.30				
Total Concentration:				514.30				

Client ID : A4CJ3

P3201-17	A4CJ3	Solid	Total Alkanes	*	0.000	1.7	13	ug/Kg
Total Tics :				0.00				
P3201-17	A4CJ3	Solid	1-Methylnaphthalene		10.000	1	6.4	ug/Kg
P3201-17	A4CJ3	Solid	2-Methylnaphthalene		12.000	0.37	6.4	ug/Kg
P3201-17	A4CJ3	Solid	Acenaphthene		47.000	0.35	6.4	ug/Kg
P3201-17	A4CJ3	Solid	Acenaphthylene		49.000	0.64	6.4	ug/Kg
P3201-17	A4CJ3	Solid	Anthracene		120.000	E 0.33	6.4	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM071924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3201-17	A4CJ3	Solid	Benzo(a)anthracene	570.000	E	0.18	6.4	ug/Kg
P3201-17	A4CJ3	Solid	Benzo(a)pyrene	340.000	E	0.63	6.4	ug/Kg
P3201-17	A4CJ3	Solid	Benzo(b)fluoranthene	790.000	E	0.92	6.4	ug/Kg
P3201-17	A4CJ3	Solid	Benzo(g,h,i)perylene	44.000		1.5	6.4	ug/Kg
P3201-17	A4CJ3	Solid	Benzo(k)fluoranthene	310.000	E	0.63	6.4	ug/Kg
P3201-17	A4CJ3	Solid	Chrysene	640.000	E	0.49	6.4	ug/Kg
P3201-17	A4CJ3	Solid	Dibenzo(a,h)anthracene	99.000		0.92	6.4	ug/Kg
P3201-17	A4CJ3	Solid	Fluoranthene	1,500.000	E	0.35	6.4	ug/Kg
P3201-17	A4CJ3	Solid	Fluorene	47.000		0.43	6.4	ug/Kg
P3201-17	A4CJ3	Solid	Indeno(1,2,3-cd)pyrene	240.000	E	1	6.4	ug/Kg
P3201-17	A4CJ3	Solid	Naphthalene	21.000		0.39	6.4	ug/Kg
P3201-17	A4CJ3	Solid	Phenanthrene	640.000	E	0.35	6.4	ug/Kg
P3201-17	A4CJ3	Solid	Pyrene	920.000	E	0.47	6.4	ug/Kg

Total Svoc : 6,399.00

Total Concentration: 6,399.00

Client ID : A4CJ9

P3201-18	A4CJ9	Solid	Total Alkanes	*	0.000	0.94	7.1	ug/Kg
Total Tics :					0.00			
P3201-18	A4CJ9	Solid	Acenaphthene		0.910	J 0.19	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Acenaphthylene		2.200	J 0.35	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Anthracene		2.300	J 0.18	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Benzo(a)anthracene		6.100	0.1	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Benzo(a)pyrene		6.700	0.34	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Benzo(b)fluoranthene		9.100	0.5	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Benzo(g,h,i)perylene		5.000	0.79	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Benzo(k)fluoranthene		3.400	J 0.34	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Chrysene		6.900	0.26	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Dibenzo(a,h)anthracene		1.200	J 0.5	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Fluoranthene		12.000	0.19	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Fluorene		1.100	J 0.23	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Indeno(1,2,3-cd)pyrene		4.000	0.55	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Naphthalene		0.880	J 0.21	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Phenanthrene		9.500	0.19	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Pyrene		9.900	0.25	3.5	ug/Kg

Total Svoc : 81.19

Total Concentration: 81.19

Client ID : A4CK1

P3201-19	A4CK1	Solid	Total Alkanes	*	0.000	0.97	7.3	ug/Kg
Total Tics :					0.00			
P3201-19	A4CK1	Solid	1-Methylnaphthalene		9.800	0.57	3.6	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM071924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3201-19	A4CK1	Solid	2-Methylnaphthalene	16.000		0.21	3.6	ug/Kg
P3201-19	A4CK1	Solid	Acenaphthene	21.000		0.2	3.6	ug/Kg
P3201-19	A4CK1	Solid	Acenaphthylene	53.000		0.36	3.6	ug/Kg
P3201-19	A4CK1	Solid	Anthracene	68.000	E	0.19	3.6	ug/Kg
P3201-19	A4CK1	Solid	Benzo(a)anthracene	240.000	E	0.1	3.6	ug/Kg
P3201-19	A4CK1	Solid	Benzo(a)pyrene	140.000	E	0.35	3.6	ug/Kg
P3201-19	A4CK1	Solid	Benzo(b)fluoranthene	340.000	E	0.51	3.6	ug/Kg
P3201-19	A4CK1	Solid	Benzo(g,h,i)perylene	20.000		0.82	3.6	ug/Kg
P3201-19	A4CK1	Solid	Benzo(k)fluoranthene	120.000	E	0.35	3.6	ug/Kg
P3201-19	A4CK1	Solid	Chrysene	280.000	E	0.27	3.6	ug/Kg
P3201-19	A4CK1	Solid	Dibenzo(a,h)anthracene	45.000		0.51	3.6	ug/Kg
P3201-19	A4CK1	Solid	Fluoranthene	540.000	E	0.2	3.6	ug/Kg
P3201-19	A4CK1	Solid	Fluorene	24.000		0.24	3.6	ug/Kg
P3201-19	A4CK1	Solid	Indeno(1,2,3-cd)pyrene	110.000	E	0.57	3.6	ug/Kg
P3201-19	A4CK1	Solid	Naphthalene	24.000		0.22	3.6	ug/Kg
P3201-19	A4CK1	Solid	Pentachlorophenol	4.300	J	2.2	7.3	ug/Kg
P3201-19	A4CK1	Solid	Phenanthrene	280.000	E	0.2	3.6	ug/Kg
P3201-19	A4CK1	Solid	Pyrene	370.000	E	0.26	3.6	ug/Kg

Total Svoc :

2,705.10

Total Concentration:

2,705.10

Client ID : A4CK6

P3201-20	A4CK6	Solid	Total Alkanes	*	0.000	1.1	7.9	ug/Kg
Total Tics :					0.00			
P3201-20	A4CK6	Solid	1-Methylnaphthalene		16.000	0.61	3.9	ug/Kg
P3201-20	A4CK6	Solid	2-Methylnaphthalene		25.000	0.22	3.9	ug/Kg
P3201-20	A4CK6	Solid	Acenaphthene		31.000	0.21	3.9	ug/Kg
P3201-20	A4CK6	Solid	Acenaphthylene		4.400	0.39	3.9	ug/Kg
P3201-20	A4CK6	Solid	Anthracene		28.000	0.2	3.9	ug/Kg
P3201-20	A4CK6	Solid	Benzo(a)anthracene		74.000	E 0.11	3.9	ug/Kg
P3201-20	A4CK6	Solid	Benzo(a)pyrene		43.000	0.38	3.9	ug/Kg
P3201-20	A4CK6	Solid	Benzo(b)fluoranthene		93.000	E 0.55	3.9	ug/Kg
P3201-20	A4CK6	Solid	Benzo(g,h,i)perylene		5.400	0.89	3.9	ug/Kg
P3201-20	A4CK6	Solid	Benzo(k)fluoranthene		35.000	0.38	3.9	ug/Kg
P3201-20	A4CK6	Solid	Chrysene		79.000	E 0.3	3.9	ug/Kg
P3201-20	A4CK6	Solid	Dibenzo(a,h)anthracene		12.000	0.55	3.9	ug/Kg
P3201-20	A4CK6	Solid	Fluoranthene		210.000	E 0.21	3.9	ug/Kg
P3201-20	A4CK6	Solid	Fluorene		25.000	0.26	3.9	ug/Kg
P3201-20	A4CK6	Solid	Indeno(1,2,3-cd)pyrene		27.000	0.61	3.9	ug/Kg
P3201-20	A4CK6	Solid	Naphthalene		14.000	0.24	3.9	ug/Kg
P3201-20	A4CK6	Solid	Phenanthrene		190.000	E 0.21	3.9	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM071924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3201-20	A4CK6	Solid	Pyrene	130.000	E	0.28	3.9	ug/Kg
Total Svoc :				1,041.80				
Total Concentration:				1,041.80				
Client ID : A4DQ4								
P3201-24	A4DQ4	Solid	Total Alkanes	*	0.000	0.89	6.7	ug/Kg
Total Tics :				0.00				
P3201-24	A4DQ4	Solid	Acenaphthene	510.000	E	0.18	3.3	ug/Kg
P3201-24	A4DQ4	Solid	Acenaphthylene	440.000	E	0.33	3.3	ug/Kg
P3201-24	A4DQ4	Solid	Anthracene	250.000	E	0.17	3.3	ug/Kg
P3201-24	A4DQ4	Solid	Benzo(a)anthracene	190.000	E	0.09	3.3	ug/Kg
P3201-24	A4DQ4	Solid	Benzo(a)pyrene	120.000	E	0.32	3.3	ug/Kg
P3201-24	A4DQ4	Solid	Benzo(b)fluoranthene	210.000	E	0.47	3.3	ug/Kg
P3201-24	A4DQ4	Solid	Benzo(g,h,i)perylene	210.000	E	0.75	3.3	ug/Kg
P3201-24	A4DQ4	Solid	Benzo(k)fluoranthene	190.000	E	0.32	3.3	ug/Kg
P3201-24	A4DQ4	Solid	Chrysene	66.000	E	0.25	3.3	ug/Kg
P3201-24	A4DQ4	Solid	Dibenzo(a,h)anthracene	32.000		0.47	3.3	ug/Kg
P3201-24	A4DQ4	Solid	Fluoranthene	360.000	E	0.18	3.3	ug/Kg
P3201-24	A4DQ4	Solid	Fluorene	130.000	E	0.22	3.3	ug/Kg
P3201-24	A4DQ4	Solid	Indeno(1,2,3-cd)pyrene	95.000	E	0.52	3.3	ug/Kg
P3201-24	A4DQ4	Solid	Naphthalene	500.000	E	0.2	3.3	ug/Kg
P3201-24	A4DQ4	Solid	Phenanthrene	190.000	E	0.18	3.3	ug/Kg
P3201-24	A4DQ4	Solid	Pyrene	110.000	E	0.24	3.3	ug/Kg
Total Svoc :				3,603.00				
Total Concentration:				3,603.00				
Client ID : A4DQ4DL								
P3201-24DL	A4DQ4DL	Solid	Total Alkanes	*	0.000	D 8.9	67	ug/Kg
Total Tics :				0.00				
P3201-24DL	A4DQ4DL	Solid	Acenaphthene	500.000	D	1.8	33	ug/Kg
P3201-24DL	A4DQ4DL	Solid	Acenaphthylene	420.000	D	3.3	33	ug/Kg
P3201-24DL	A4DQ4DL	Solid	Anthracene	240.000	D	1.7	33	ug/Kg
P3201-24DL	A4DQ4DL	Solid	Benzo(a)anthracene	180.000	D	0.93	33	ug/Kg
P3201-24DL	A4DQ4DL	Solid	Benzo(a)pyrene	110.000	D	3.2	33	ug/Kg
P3201-24DL	A4DQ4DL	Solid	Benzo(b)fluoranthene	190.000	D	4.7	33	ug/Kg
P3201-24DL	A4DQ4DL	Solid	Benzo(g,h,i)perylene	210.000	D	7.5	33	ug/Kg
P3201-24DL	A4DQ4DL	Solid	Benzo(k)fluoranthene	190.000	D	3.2	33	ug/Kg
P3201-24DL	A4DQ4DL	Solid	Chrysene	65.000	D	2.5	33	ug/Kg
P3201-24DL	A4DQ4DL	Solid	Dibenzo(a,h)anthracene	32.000	JD	4.7	33	ug/Kg
P3201-24DL	A4DQ4DL	Solid	Fluoranthene	340.000	D	1.8	33	ug/Kg
P3201-24DL	A4DQ4DL	Solid	Fluorene	120.000	D	2.2	33	ug/Kg
P3201-24DL	A4DQ4DL	Solid	Indeno(1,2,3-cd)pyrene	93.000	D	5.2	33	ug/Kg



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Hit Summary Sheet
SW-846

SDG No.: BM071924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3201-24DL	A4DQ4DL	Solid	Naphthalene	480.000	D	2	33	ug/Kg
P3201-24DL	A4DQ4DL	Solid	Phenanthrene	190.000	D	1.8	33	ug/Kg
P3201-24DL	A4DQ4DL	Solid	Pyrene	100.000	D	2.4	33	ug/Kg
Total Svoc :				3,460.00				
Total Concentration:				3,460.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

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

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071924 SAS No.: BM071924 SDG NO.: BM071924

EPA Sample No.: SSTD0.4038

Date Analyzed: Jul 19 2024 12:00AM

Lab File ID: BM046501.D

Time Analyzed: 11:19

Instrument ID: BNA_M

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	1921	7.518	4571	10.28	2922	14.16
	UPPER LIMIT	3842	8.018	9142	10.782	5844	14.664
	LOWER LIMIT	960.5	7.018	2285.5	9.782	1461	13.664
	EPA SAMPLE NO.						
01	SBLK067	2596	7.49	7001	10.25	4609	14.13
02	A4DQ4	2579	7.49	7129	10.25	4820	14.13
03	A4DQ4DL	2460	7.49	6699	10.25	4258	14.13
04	A4CK6	2433	7.49	6966	10.24	4509	14.13
05	SBLK067	3202	7.49	6378	10.24	4193	14.13
06	A4BY7	2790	7.49	7679	10.24	4920	14.13
07	A4BY8	3642	7.49	8276	10.24	5155	14.13
08	A4BY9	2977	7.49	9719 *	10.25	5052	14.13
09	A4CK1	3317	7.49	7522	10.24	5032	14.13
10	A4CJ3	3402	7.49	9352 *	10.25	5856 *	14.13
11	A4CJ9	4520 *	7.49	9112	10.25	5880 *	14.13
12	A4CK6MS	2907	7.49	8011	10.24	5194	14.13
13	A4CK6MSD	3339	7.49	9497 *	10.24	5813	14.13
14	A4CJ0	3701	7.48	10169 *	10.24	7745 *	14.13
15	A4BZ2	4032 *	7.48	11269 *	10.25	6667 *	14.13
16	A4BZ3	3673	7.49	10481 *	10.24	6242 *	14.13
17	A4BZ4	3776	7.48	10513 *	10.24	6252 *	14.13
18	A4CH9	4448 *	7.48	8494	10.24	5787	14.13
19	A4CH7	3628	7.49	15992 *	10.24	6091 *	14.13
20	A4CH8	3435	7.48	9747 *	10.24	5794	14.13
21	SLCS067	3984 *	7.48	10784 *	10.24	6161 *	14.13



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071924 SAS No.: BM071924 SDG NO.: BM071924

EPA Sample No.: SSTD0.4038 Date Analyzed: Jul 20 2024 12:00AM

Lab File ID: BM046501.D Time Analyzed: 00:10

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	1921	7.518	4571	10.28	2922	14.16
UPPER LIMIT	3842	8.018	9142	10.782	5844	14.664
LOWER LIMIT	960.5	7.018	2285.5	9.782	1461	13.664
EPA SAMPLE NO.						

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.



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071924 SAS No.: BM071924 SDG NO.: BM071924

EPA Sample No.: SSTD0.4174 Date Analyzed: Jul 19 2024 12:00AM

Lab File ID: BM046719.D Time Analyzed: 11:19

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	2488	7.489	4975	10.25	3177	14.13
UPPER LIMIT	4976	7.989	9950	10.748	6354	14.631
LOWER LIMIT	1244	6.989	2487.5	9.748	1588.5	13.631
EPA SAMPLE NO.						
01 SBLK067	2596	7.49	7001	10.25	4609	14.13
02 A4DQ4	2579	7.49	7129	10.25	4820	14.13
03 A4DQ4DL	2460	7.49	6699	10.25	4258	14.13
04 A4CK6	2433	7.49	6966	10.24	4509	14.13

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.



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071924 SAS No.: BM071924 SDG NO.: BM071924

EPA Sample No.: SSTD0.4175 Date Analyzed: Jul 19 2024 12:00AM

Lab File ID: BM046724.D Time Analyzed: 14:22

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	2363	7.489	6400	10.24	4050	14.13
	UPPER LIMIT	4726	7.989	12800	10.744	8100	14.632
	LOWER LIMIT	1181.5	6.989	3200	9.744	2025	13.632
	EPA SAMPLE NO.						
01	SBLK067	3202	7.49	6378	10.24	4193	14.13
02	A4BY7	2790	7.49	7679	10.24	4920	14.13
03	A4BY8	3642	7.49	8276	10.24	5155	14.13
04	A4BY9	2977	7.49	9719	10.25	5052	14.13
05	A4CK1	3317	7.49	7522	10.24	5032	14.13
06	A4CJ3	3402	7.49	9352	10.25	5856	14.13
07	A4CJ9	4520	7.49	9112	10.25	5880	14.13
08	A4CK6MS	2907	7.49	8011	10.24	5194	14.13
09	A4CK6MSD	3339	7.49	9497	10.24	5813	14.13
10	A4CJ0	3701	7.48	10169	10.24	7745	14.13
11	A4BZ2	4032	7.48	11269	10.25	6667	14.13
12	A4BZ3	3673	7.49	10481	10.24	6242	14.13
13	A4BZ4	3776	7.48	10513	10.24	6252	14.13
14	A4CH9	4448	7.48	8494	10.24	5787	14.13
15	A4CH7	3628	7.49	15992 *	10.24	6091	14.13
16	A4CH8	3435	7.48	9747	10.24	5794	14.13
17	SLCS067	3984	7.48	10784	10.24	6161	14.13



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071924 SAS No.: BM071924 SDG NO.: BM071924

EPA Sample No.: SSTD0.4175 Date Analyzed: Jul 20 2024 12:00AM

Lab File ID: BM046724.D Time Analyzed: 00:10

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	2363	7.489	6400	10.24	4050	14.13
UPPER LIMIT	4726	7.989	12800	10.744	8100	14.632
LOWER LIMIT	1181.5	6.989	3200	9.744	2025	13.632
EPA SAMPLE NO.						

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071924 SAS No.: BM071924 SDG NO.: BM071924

EPA Sample No.: SSTD0.4038 Date Analyzed: Jul 19 2024 12:00AM

Lab File ID: BM046501.D Time Analyzed: 11:19

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	6121	16.913	5430	21.119	6721	23.267
	UPPER LIMIT	12242	17.413	10860	21.619	13442	23.767
	LOWER LIMIT	3060.5	16.413	2715	20.619	3360.5	22.767
	EPA SAMPLE NO.						
01	SBLK067	9656	16.89	6817	21.09	7095	23.23
02	A4DQ4	9840	16.89	6620	21.09	7444	23.23
03	A4DQ4DL	8629	16.89	6084	21.09	7132	23.23
04	A4CK6	9247	16.88	6953	21.09	7664	23.23
05	SBLK067	8489	16.88	6162	21.09	6370	23.23
06	A4BY7	9928	16.88	7714	21.09	9523	23.23
07	A4BY8	9984	16.88	7191	21.09	7871	23.23
08	A4BY9	10167	16.89	6974	21.10	8823	23.23
09	A4CK1	10841	16.88	7263	21.10	8908	23.24
10	A4CJ3	11918	16.89	7792	21.10	9780	23.23
11	A4CJ9	12563 *	16.89	10824	21.10	16460 *	23.23
12	A4CK6MS	11183	16.89	8076	21.10	10256	23.23
13	A4CK6MSD	10378	16.89	7456	21.10	8629	23.23
14	A4CJ0	12059	16.89	8461	21.09	9114	23.23
15	A4BZ2	12829 *	16.89	9190	21.09	9881	23.23
16	A4BZ3	11613	16.89	8434	21.09	9207	23.23
17	A4BZ4	11733	16.88	8383	21.09	9444	23.23
18	A4CH9	12423 *	16.89	9273	21.09	10098	23.23
19	A4CH7	11435	16.89	8206	21.09	9007	23.23
20	A4CH8	10956	16.89	7617	21.09	8756	23.23
21	SLCS067	11440	16.89	8480	21.09	10164	23.23

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071924 SAS No.: BM071924 SDG NO.: BM071924

EPA Sample No.: SSTD0.4038 Date Analyzed: Jul 20 2024 12:00AM

Lab File ID: BM046501.D Time Analyzed: 00:10

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	6121	16.913	5430	21.119	6721	23.267
UPPER LIMIT	12242	17.413	10860	21.619	13442	23.767
LOWER LIMIT	3060.5	16.413	2715	20.619	3360.5	22.767
EPA SAMPLE NO.						

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.: BM071924 SAS No.: BM071924 SDG NO.: BM071924

EPA Sample No.: SSTD0.4174 Date Analyzed: Jul 19 2024 12:00AM

Lab File ID: BM046719.D Time Analyzed: 11:19

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	6876	16.887	6000	21.097	6902	23.23
UPPER LIMIT	13752	17.387	12000	21.597	13804	23.73
LOWER LIMIT	3438	16.387	3000	20.597	3451	22.73
EPA SAMPLE NO.						
01 SBLK067	9656	16.89	6817	21.09	7095	23.23
02 A4DQ4	9840	16.89	6620	21.09	7444	23.23
03 A4DQ4DL	8629	16.89	6084	21.09	7132	23.23
04 A4CK6	9247	16.88	6953	21.09	7664	23.23

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.: BM071924 SAS No.: BM071924 SDG NO.: BM071924

EPA Sample No.: SSTD0.4175 Date Analyzed: Jul 19 2024 12:00AM

Lab File ID: BM046724.D Time Analyzed: 14:22

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	8061	16.888	5254	21.093	6193	23.229
	UPPER LIMIT	16122	17.388	10508	21.593	12386	23.729
	LOWER LIMIT	4030.5	16.388	2627	20.593	3096.5	22.729
	EPA SAMPLE NO.						
01	SBLK067	8489	16.88	6162	21.09	6370	23.23
02	A4BY7	9928	16.88	7714	21.09	9523	23.23
03	A4BY8	9984	16.88	7191	21.09	7871	23.23
04	A4BY9	10167	16.89	6974	21.10	8823	23.23
05	A4CK1	10841	16.88	7263	21.10	8908	23.24
06	A4CJ3	11918	16.89	7792	21.10	9780	23.23
07	A4CJ9	12563	16.89	10824 *	21.10	16460 *	23.23
08	A4CK6MS	11183	16.89	8076	21.10	10256	23.23
09	A4CK6MSD	10378	16.89	7456	21.10	8629	23.23
10	A4CJ0	12059	16.89	8461	21.09	9114	23.23
11	A4BZ2	12829	16.89	9190	21.09	9881	23.23
12	A4BZ3	11613	16.89	8434	21.09	9207	23.23
13	A4BZ4	11733	16.88	8383	21.09	9444	23.23
14	A4CH9	12423	16.89	9273	21.09	10098	23.23
15	A4CH7	11435	16.89	8206	21.09	9007	23.23
16	A4CH8	10956	16.89	7617	21.09	8756	23.23
17	SLCS067	11440	16.89	8480	21.09	10164	23.23

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM071924 SAS No.: BM071924 SDG NO.: BM071924

EPA Sample No.: SSTD0.4175 Date Analyzed: Jul 20 2024 12:00AM

Lab File ID: BM046724.D Time Analyzed: 00:10

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	8061	16.888	5254	21.093	6193	23.229
UPPER LIMIT	16122	17.388	10508	21.593	12386	23.729
LOWER LIMIT	4030.5	16.388	2627	20.593	3096.5	22.729
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.: BM071924

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162067BS	1,4-Dioxane	66.7	35	ug/Kg	52				0	0	
	Naphthalene	13.3	9.5	ug/Kg	71				0	0	
	1-Methylnaphthalene	13.3	8.9	ug/Kg	67				0	0	
	2-Methylnaphthalene	13.3	9.1	ug/Kg	68				0	0	
	Acenaphthylene	13.3	9	ug/Kg	68				0	0	
	Acenaphthene	13.3	9.5	ug/Kg	71				0	0	
	Fluorene	13.3	8.5	ug/Kg	64				0	0	
	Pentachlorophenol	26.7	13	ug/Kg	49				0	0	
	Phenanthrene	13.3	8.7	ug/Kg	65				0	0	
	Anthracene	13.3	8.6	ug/Kg	65				0	0	
	Fluoranthene	13.3	13	ug/Kg	98				0	0	
	Pyrene	13.3	12	ug/Kg	90				0	0	
	Benzo(a)anthracene	13.3	8.5	ug/Kg	64				0	0	
	Chrysene	13.3	8.5	ug/Kg	64				0	0	
	Benzo(b)fluoranthene	13.3	8.5	ug/Kg	64				0	0	
	Benzo(k)fluoranthene	13.3	8.5	ug/Kg	64				0	0	
	Benzo(a)pyrene	13.3	9.5	ug/Kg	71				0	0	
	Indeno(1,2,3-cd)pyrene	13.3	8.6	ug/Kg	65				0	0	
	Dibenzo(a,h)anthracene	13.3	8.4	ug/Kg	63				0	0	
	Benzo(g,h,i)perylene	13.3	8.2	ug/Kg	62				0	0	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK067

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM071924

SAS No.: BM071924 SDG NO.: BM071924

Lab File ID: BM046725.D

Lab Sample ID: PB162067BL

Instrument ID: BNA_M

Date Extracted: 07/15/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/19/2024

Level: (low/med) LOW

Time Analyzed: 14:22

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
A4DQ4	P3201-24	BM046721.D	07/19/2024
A4CK6	P3201-20	BM046723.D	07/19/2024
A4BY7	P3201-01	BM046726.D	07/19/2024
A4BY8	P3201-02	BM046727.D	07/19/2024
A4BY9	P3201-03	BM046728.D	07/19/2024
A4CK1	P3201-19	BM046729.D	07/19/2024
A4CJ3	P3201-17	BM046730.D	07/19/2024
A4BZ2	P3201-04	BM046735.D	07/19/2024
A4BZ3	P3201-05	BM046736.D	07/19/2024
A4BZ4	P3201-06	BM046737.D	07/19/2024
A4CH7	P3201-13	BM046739.D	07/19/2024
A4CH8	P3201-14	BM046740.D	07/19/2024
A4CJ9	P3201-18	BM046731.D	07/19/2024
A4CK6MS	P3201-25MS	BM046732.D	07/19/2024
A4CK6MSD	P3201-26MSD	BM046733.D	07/19/2024
A4CJ0	P3201-16	BM046734.D	07/19/2024
A4CH9	P3201-15	BM046738.D	07/19/2024
PB162067BS	PB162067BS	BM046741.D	07/20/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM071924

Client: _____

Analytical Method: SFAM_SVOASIM

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P3201-25MS	Client Sample ID:	A4CK6MS					DataFile:	BM046732.D		
1,4-Dioxane	78.7		32	ug/Kg	41				15	120	
Naphthalene	15.7	14	44	ug/Kg	191				0	0	
1-Methylnaphthalene	15.7	16	21	ug/Kg	32				0	0	
2-Methylnaphthalene	15.7	25	30	ug/Kg	32				0	0	
Acenaphthylene	15.7	4.4	16	ug/Kg	74				0	0	
Acenaphthene	15.7	31	100	ug/Kg	439	*			31	137	
Fluorene	15.7	25	89	ug/Kg	408				0	0	
Pentachlorophenol	31.5		6.6	ug/Kg	21				17	109	
Phenanthrene	15.7	190	630	ug/Kg	2803				0	0	
Anthracene	15.7	28	150	ug/Kg	777				0	0	
Fluoranthene	15.7	210	800	ug/Kg	3758				0	0	
Pyrene	15.7	130	500	ug/Kg	2357	*			35	142	
Benzo(a)anthracene	15.7	74	330	ug/Kg	1631				0	0	
Chrysene	15.7	79	300	ug/Kg	1408				0	0	
Benzo(b)fluoranthene	15.7	93	330	ug/Kg	1510				0	0	
Benzo(k)fluoranthene	15.7	35	130	ug/Kg	605				0	0	
Benzo(a)pyrene	15.7	43	160	ug/Kg	745				0	0	
Indeno(1,2,3-cd)pyrene	15.7	27	99	ug/Kg	459				0	0	
Dibenzo(a,h)anthracene	15.7	12	51	ug/Kg	248				0	0	
Benzo(g,h,i)perylene	15.7	5.4	19	ug/Kg	87				0	0	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM071924

Client: _____

Analytical Method: SFAM_SVOASIM

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P3201-26MSD	Client Sample ID:	A4CK6MSD					DataFile:	BM046733.D		
1,4-Dioxane	78.5		31	ug/Kg	39		5		15	120	50
Naphthalene	15.7	14	45	ug/Kg	197		3	*	0	0	0
1-Methylnaphthalene	15.7	16	21	ug/Kg	32		0		0	0	0
2-Methylnaphthalene	15.7	25	30	ug/Kg	32		0		0	0	0
Acenaphthylene	15.7	4.4	14	ug/Kg	61		19	*	0	0	0
Acenaphthene	15.7	31	110	ug/Kg	503	*	14		31	137	19
Fluorene	15.7	25	85	ug/Kg	382		7	*	0	0	0
Pentachlorophenol	31.4		6.3	ug/Kg	20		5		17	109	47
Phenanthrene	15.7	190	640	ug/Kg	2866		2	*	0	0	0
Anthracene	15.7	28	150	ug/Kg	777		0		0	0	0
Fluoranthene	15.7	210	740	ug/Kg	3376		11	*	0	0	0
Pyrene	15.7	130	460	ug/Kg	2102	*	11		35	142	36
Benzo(a)anthracene	15.7	74	340	ug/Kg	1694		4	*	0	0	0
Chrysene	15.7	79	310	ug/Kg	1471		4	*	0	0	0
Benzo(b)fluoranthene	15.7	93	330	ug/Kg	1510		0		0	0	0
Benzo(k)fluoranthene	15.7	35	130	ug/Kg	605		0		0	0	0
Benzo(a)pyrene	15.7	43	170	ug/Kg	809		8	*	0	0	0
Indeno(1,2,3-cd)pyrene	15.7	27	100	ug/Kg	465		1	*	0	0	0
Dibenzo(a,h)anthracene	15.7	12	52	ug/Kg	255		3	*	0	0	0
Benzo(g,h,i)perylene	15.7	5.4	19	ug/Kg	87		0		0	0	0

Surrogate Summary

SW-846

SDG No.: **BM071924**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3201-01	A4BY7	BM046726.D	1,4-Dioxane-d8	8	2.13	27		15	120
			Fluoranthene-d10	0.4	0.18	45		30	130
			2-Methylnaphthalene-d10	0.4	0.16	41		20	140
P3201-02	A4BY8	BM046727.D	1,4-Dioxane-d8	8	2.27	28		15	120
			Fluoranthene-d10	0.4	0.24	59		30	130
			2-Methylnaphthalene-d10	0.4	0.22	54		20	140
P3201-03	A4BY9	BM046728.D	1,4-Dioxane-d8	8	2.24	28		15	120
			Fluoranthene-d10	0.4	0.22	56		30	130
			2-Methylnaphthalene-d10	0.4	0.16	39		20	140
P3201-04	A4BZ2	BM046735.D	1,4-Dioxane-d8	8	2.67	33		15	120
			Fluoranthene-d10	0.4	0.23	57		30	130
			2-Methylnaphthalene-d10	0.4	0.21	53		20	140
P3201-05	A4BZ3	BM046736.D	1,4-Dioxane-d8	8	2.53	32		15	120
			Fluoranthene-d10	0.4	0.22	56		30	130
			2-Methylnaphthalene-d10	0.4	0.20	51		20	140
P3201-06	A4BZ4	BM046737.D	1,4-Dioxane-d8	8	2.17	27		15	120
			Fluoranthene-d10	0.4	0.19	48		30	130
			2-Methylnaphthalene-d10	0.4	0.17	42		20	140
P3201-13	A4CH7	BM046739.D	1,4-Dioxane-d8	8	1.88	24		15	120
			Fluoranthene-d10	0.4	0.17	43		30	130
			2-Methylnaphthalene-d10	0.4	0.09	23		20	140
P3201-14	A4CH8	BM046740.D	1,4-Dioxane-d8	8	2.47	31		15	120
			Fluoranthene-d10	0.4	0.30	76		30	130
			2-Methylnaphthalene-d10	0.4	0.19	47		20	140
P3201-15	A4CH9	BM046738.D	1,4-Dioxane-d8	8	1.71	21		15	120
			Fluoranthene-d10	0.4	0.23	57		30	130
			2-Methylnaphthalene-d10	0.4	0.20	50		20	140
P3201-16	A4CJ0	BM046734.D	1,4-Dioxane-d8	8	2.97	37		15	120
			Fluoranthene-d10	0.4	0.25	62		30	130
			2-Methylnaphthalene-d10	0.4	0.22	55		20	140
P3201-17	A4CJ3	BM046730.D	1,4-Dioxane-d8	8	2.32	29		15	120
			Fluoranthene-d10	0.4	0.22	56		30	130
			2-Methylnaphthalene-d10	0.4	0.18	44		20	140
P3201-18	A4CJ9	BM046731.D	1,4-Dioxane-d8	8	2.80	35		15	120
			Fluoranthene-d10	0.4	0.26	64		30	130
			2-Methylnaphthalene-d10	0.4	0.28	71		20	140
P3201-19	A4CK1	BM046729.D	1,4-Dioxane-d8	8	2.42	30		15	120
			Fluoranthene-d10	0.4	0.26	64		30	130
			2-Methylnaphthalene-d10	0.4	0.21	52		20	140
P3201-20	A4CK6	BM046723.D	1,4-Dioxane-d8	8	3.44	43		15	120
			Fluoranthene-d10	0.4	0.26	65		30	130
			2-Methylnaphthalene-d10	0.4	0.40	100		20	140
P3201-24	A4DQ4	BM046721.D	1,4-Dioxane-d8	0.8	0.29	36		15	120
			Fluoranthene-d10	0.4	0.36	90		30	130
			2-Methylnaphthalene-d10	0.4	0.28	71		20	140
P3201-24DL	A4DQ4DL	BM046722.D	1,4-Dioxane-d8	0.8	0.35	44		15	120
			Fluoranthene-d10	0.4	0.37	93		30	130
			2-Methylnaphthalene-d10	0.4	0.42	105		20	140
P3201-25MS	A4CK6MS	BM046732.D	1,4-Dioxane-d8	0.8	0.35	44		15	120

Surrogate Summary

SW-846

SDG No.: **BM071924**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
P3201-25MS	A4CK6MS	BM046732.D	Fluoranthene-d10	0.4	0.34	84		30	130
			2-Methylnaphthalene-d10	0.4	0.27	67		20	140
P3201-26MSD	A4CK6MSD	BM046733.D	1,4-Dioxane-d8	0.8	0.34	42		15	120
			Fluoranthene-d10	0.4	0.31	77		30	130
			2-Methylnaphthalene-d10	0.4	0.27	68		20	140
			1,4-Dioxane-d8	8	4.39	55		15	120
PB162067BL	PB162067BL	BM046720.D	1,4-Dioxane-d8	8	3.20	40		15	120
		BM046725.D	1,4-Dioxane-d8	8	3.20	40		15	120
		BM046720.D	Fluoranthene-d10	0.4	0.28	69		30	130
		BM046725.D	Fluoranthene-d10	0.4	0.27	68		30	130
		BM046720.D	2-Methylnaphthalene-d10	0.4	0.25	63		20	140
		BM046725.D	2-Methylnaphthalene-d10	0.4	0.25	63		20	140
PB162067BS	PB162067BS	BM046741.D	1,4-Dioxane-d8	0.8	0.41	51		15	120
			Fluoranthene-d10	0.4	0.41	103		30	130
			2-Methylnaphthalene-d10	0.4	0.28	69		20	140

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM071924

Lab Code: CHEM

SAS No.: BM071924 SDG NO.: BM071924

Lab File ID: BM046718.D

DFTPP Injection Date: 07/19/2024

Instrument ID: BNA_M

DFTPP Injection Time: 09:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.6
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	42.5
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 60.0% of mass 198	31.4
365	Greater than 1% of mass 198	4.7
441	Present, but less than mass 443	9.6
442	Greater than 50% of mass 198	62.6
443	15.0 - 24.0% of mass 442	11.8 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD0.4174	SSTDCCC0.4	BM046719.D	07/19/2024	10:42
SBLK067	PB162067BL	BM046720.D	07/19/2024	11:19
A4DQ4	P3201-24	BM046721.D	07/19/2024	11:55
A4DQ4DL	P3201-24DL	BM046722.D	07/19/2024	12:32
A4CK6	P3201-20	BM046723.D	07/19/2024	13:08
SSTD0.4175	SSTDCCC0.4	BM046724.D	07/19/2024	13:45
SBLK067	PB162067BL	BM046725.D	07/19/2024	14:22
A4BY7	P3201-01	BM046726.D	07/19/2024	14:58
A4BY8	P3201-02	BM046727.D	07/19/2024	15:35
A4BY9	P3201-03	BM046728.D	07/19/2024	16:12
A4CK1	P3201-19	BM046729.D	07/19/2024	16:49
A4CJ3	P3201-17	BM046730.D	07/19/2024	17:26
A4CJ9	P3201-18	BM046731.D	07/19/2024	18:02
A4CK6MS	P3201-25MS	BM046732.D	07/19/2024	18:39
A4CK6MSD	P3201-26MSD	BM046733.D	07/19/2024	19:16
A4CJ0	P3201-16	BM046734.D	07/19/2024	19:53
A4BZ2	P3201-04	BM046735.D	07/19/2024	20:29
A4BZ3	P3201-05	BM046736.D	07/19/2024	21:06

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM071924

Lab Code: CHEM

SAS No.: BM071924

SDG NO.: BM071924

Lab File ID: BM046718.D

DFTPP Injection Date: 07/19/2024

Instrument ID: BNA_M

DFTPP Injection Time: 09:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.6
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	42.5
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 60.0% of mass 198	31.4
365	Greater than 1% of mass 198	4.7
441	Present, but less than mass 443	9.6
442	Greater than 50% of mass 198	62.6
443	15.0 - 24.0% of mass 442	11.8 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
A4BZ4	P3201-06	BM046737.D	07/19/2024	21:43
A4CH9	P3201-15	BM046738.D	07/19/2024	22:19
A4CH7	P3201-13	BM046739.D	07/19/2024	22:56
A4CH8	P3201-14	BM046740.D	07/19/2024	23:33
SLCS067	PB162067BS	BM046741.D	07/20/2024	00:10
SSTD0.4176	SSTDCCC0.4EC	BM046742.D	07/20/2024	01:24