

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM072224 SAS No.: BM072224 SDG No.: BM072224
Instrument ID: BNA_M Calibration Date/Time: 7/22/2024 1:10:28
Lab File ID: BM046744.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD0.4177 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	0.305	0.010	-13.0965	40.0
1,4-Dioxane-d8	0.329	0.278	0.010	-15.4149	40.0
Naphthalene	1.018	1.010	0.600	-0.7249	30.0
1-Methylnaphthalene	0.730	0.716	0.300	-1.8044	30.0
2-Methylnaphthalene	0.715	0.694	0.300	-2.9901	30.0
Acenaphthylene	1.821	1.866	0.900	2.4973	30.0
Acenaphthene	1.220	1.258	0.500	3.1001	30.0
Fluorene	1.509	1.413	0.700	-6.4073	30.0
Pentachlorophenol	0.203	0.198	0.010	-2.1803	50.0
Phenanthrene	1.141	1.153	0.300	1.0523	30.0
Anthracene	1.114	1.097	0.400	-1.5323	30.0
Fluoranthene	1.643	1.366	0.400	-16.8572	30.0
Pyrene	1.779	1.445	0.500	-18.7481	30.0
Benzo (a) anthracene	1.770	1.503	0.400	-15.0565	30.0
Chrysene	1.712	1.475	0.400	-13.8667	30.0
Benzo (b) fluoranthene	1.598	1.544	0.200	-3.3665	30.0
Benzo (k) fluoranthene	1.569	1.508	0.200	-3.8329	30.0
Benzo (a) pyrene	1.315	1.271	0.200	-3.3069	30.0
Indeno (1,2,3-cd) pyrene	2.001	1.885	0.200	-5.8235	30.0
Dibenzo (a,h) anthracene	1.584	1.478	0.200	-6.6971	30.0
Benzo (g,h,i) perylene	1.597	1.485	0.200	-7.0074	30.0
Fluoranthene-d10	1.217	1.016	0.400	-16.5078	30.0
2-Methylnaphthalene-d10	0.645	0.627	0.300	-2.8032	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.: BM072224 SAS No.: BM072224 SDG No.: BM072224
 Instrument ID: BNA_M Calibration Date/Time: 7/22/2024 1:17:12
 Lab File ID: BM046755.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTD0.4178 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	0.295	0.010	-16.0185	40.0
1,4-Dioxane-d8	0.329	0.266	0.010	-18.9907	40.0
Naphthalene	1.018	1.014	0.600	-0.3454	30.0
1-Methylnaphthalene	0.730	0.703	0.300	-3.639	30.0
2-Methylnaphthalene	0.715	0.686	0.300	-4.013	30.0
Acenaphthylene	1.821	1.849	0.900	1.5396	30.0
Acenaphthene	1.220	1.243	0.500	1.869	30.0
Fluorene	1.509	1.465	0.700	-2.9573	30.0
Pentachlorophenol	0.203	0.172	0.010	-15.347	50.0
Phenanthrene	1.141	1.116	0.300	-2.2687	30.0
Anthracene	1.114	1.071	0.400	-3.8435	30.0
Fluoranthene	1.643	1.574	0.400	-4.1983	30.0
Pyrene	1.779	1.641	0.500	-7.7256	30.0
Benzo (a) anthracene	1.770	1.568	0.400	-11.4023	30.0
Chrysene	1.712	1.528	0.400	-10.7646	30.0
Benzo (b) fluoranthene	1.598	1.502	0.200	-5.9855	30.0
Benzo (k) fluoranthene	1.569	1.484	0.200	-5.4237	30.0
Benzo (a) pyrene	1.315	1.210	0.200	-8.0171	30.0
Indeno (1,2,3-cd) pyrene	2.001	1.882	0.200	-5.9512	30.0
Dibenzo (a,h) anthracene	1.584	1.485	0.200	-6.2831	30.0
Benzo (g,h,i) perylene	1.597	1.484	0.200	-7.0369	30.0
Fluoranthene-d10	1.217	1.188	0.400	-2.3594	30.0
2-Methylnaphthalene-d10	0.645	0.619	0.300	-4.0762	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.: BM072224 SAS No.: BM072224 SDG No.: BM072224
Instrument ID: BNA_M Calibration Date/Time: 7/23/2024 1:03:44
Lab File ID: BM046768.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD0.4179 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	0.309	0.010	-11.8586	50.0
1,4-Dioxane-d8	0.329	0.283	0.010	-13.9784	50.0
Naphthalene	1.018	0.998	0.600	-1.8974	50.0
1-Methylnaphthalene	0.730	0.682	0.300	-6.4972	50.0
2-Methylnaphthalene	0.715	0.656	0.300	-8.3031	50.0
Acenaphthylene	1.821	1.770	0.900	-2.8095	50.0
Acenaphthene	1.220	1.182	0.500	-3.1166	50.0
Fluorene	1.509	1.367	0.700	-9.472	50.0
Pentachlorophenol	0.203	0.148	0.010	-27.0529	50.0
Phenanthrene	1.141	1.060	0.300	-7.158	50.0
Anthracene	1.114	1.017	0.400	-8.6645	50.0
Fluoranthene	1.643	1.574	0.400	-4.2232	50.0
Pyrene	1.779	1.616	0.500	-9.1301	50.0
Benzo (a) anthracene	1.770	1.539	0.400	-13.0117	50.0
Chrysene	1.712	1.471	0.400	-14.0825	50.0
Benzo (b) fluoranthene	1.598	1.396	0.200	-12.6209	50.0
Benzo (k) fluoranthene	1.569	1.444	0.200	-7.9585	50.0
Benzo (a) pyrene	1.315	1.309	0.200	-0.4414	50.0
Indeno (1,2,3-cd) pyrene	2.001	1.766	0.200	-11.7376	50.0
Dibenzo (a,h) anthracene	1.584	1.424	0.200	-10.106	50.0
Benzo (g,h,i) perylene	1.597	1.465	0.200	-8.2459	50.0
Fluoranthene-d10	1.217	1.137	0.400	-6.5571	50.0
2-Methylnaphthalene-d10	0.645	0.584	0.300	-9.4323	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	7/16/2024 12:00:00 AM
Project:		Date Received:	7/16/2024 12:00:00 AM
Client Sample ID:	SBLK090	SDG No.:	BM072224
Lab Sample ID:	PB162090BL	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
BM046745.D	1	7/16/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162090

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	4.094		15-120		51	SPK: -8
93951-69-0	Fluoranthene-d10	0.218		30-130		54	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.227		20-140		57	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3128		7.485			
1146-65-2	Naphthalene-d8	8540		10.244			
15067-26-2	Acenaphthene-d10	5494		14.127			

Report of Analysis

Client:		Date Collected:	7/16/2024 12:00:00 AM
Project:		Date Received:	7/16/2024 12:00:00 AM
Client Sample ID:	SBLK090	SDG No.:	BM072224
Lab Sample ID:	PB162090BL	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
BM046745.D	1	7/16/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11994	16.884				
1719-03-5	Chrysene-d12	10484	21.093				
1520-96-3	Perylene-d12	12499	23.226				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	A4BE7	SDG No.:	BM072224
Lab Sample ID:	P3238-04	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	24.5
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
BM046746.D	1	7/16/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	U	1.2	0	8.9	ug/Kg
91-20-3	Naphthalene	21		0.26	1.1	4.4	ug/Kg
90-12-0	1-Methylnaphthalene	6.4		0.69	1.1	4.4	ug/Kg
91-57-6	2-Methylnaphthalene	8.6		0.25	1.1	4.4	ug/Kg
208-96-8	Acenaphthylene	13		0.44	1.1	4.4	ug/Kg
83-32-9	Acenaphthene	36		0.24	1.1	4.4	ug/Kg
86-73-7	Fluorene	41		0.29	1.1	4.4	ug/Kg
87-86-5	Pentachlorophenol	2.6	U	2.6	2.2	8.9	ug/Kg
85-01-8	Phenanthrene	470	E	0.24	1.1	4.4	ug/Kg
120-12-7	Anthracene	77	E	0.23	1.1	4.4	ug/Kg
206-44-0	Fluoranthene	590	E	0.24	1.1	4.4	ug/Kg
129-00-0	Pyrene	360	E	0.32	1.1	4.4	ug/Kg
56-55-3	Benzo(a)anthracene	230	E	0.12	1.1	4.4	ug/Kg
218-01-9	Chrysene	230	E	0.33	1.1	4.4	ug/Kg
205-99-2	Benzo(b)fluoranthene	310	E	0.62	1.1	4.4	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	E	0.42	1.1	4.4	ug/Kg
50-32-8	Benzo(a)pyrene	150	E	0.42	1.1	4.4	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	94	E	0.69	1.1	4.4	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	40		0.62	1.1	4.4	ug/Kg
191-24-2	Benzo(g,h,i)perylene	18		0.99	1.1	4.4	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.373		15-120		30	SPK: -8
93951-69-0	Fluoranthene-d10	0.151		30-130		38	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	2700		7.485			
1146-65-2	Naphthalene-d8	7162		10.244			
15067-26-2	Acenaphthene-d10	4591		14.127			

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	A4BE7	SDG No.:	BM072224
Lab Sample ID:	P3238-04	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	24.5
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
BM046746.D	1	7/16/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9976	16.884				
1719-03-5	Chrysene-d12	9515	21.093				
1520-96-3	Perylene-d12	10020	23.23				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.2	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	A4BF4	SDG No.:	BM072224
Lab Sample ID:	P3238-09	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	26.4
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046747.D	1	7/16/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162090

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	4.9		0.27	1.1	4.5	ug/Kg
90-12-0	1-Methylnaphthalene	2.1	J	0.71	1.1	4.5	ug/Kg
91-57-6	2-Methylnaphthalene	2.6	J	0.26	1.1	4.5	ug/Kg
208-96-8	Acenaphthylene	10		0.45	1.1	4.5	ug/Kg
83-32-9	Acenaphthene	8.7		0.24	1.1	4.5	ug/Kg
86-73-7	Fluorene	9.5		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	190	E	0.24	1.1	4.5	ug/Kg
120-12-7	Anthracene	29		0.23	1.1	4.5	ug/Kg
206-44-0	Fluoranthene	540	E	0.24	1.1	4.5	ug/Kg
129-00-0	Pyrene	310	E	0.33	1.1	4.5	ug/Kg
56-55-3	Benzo(a)anthracene	180	E	0.13	1.1	4.5	ug/Kg
218-01-9	Chrysene	220	E	0.34	1.1	4.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	350	E	0.64	1.1	4.5	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	E	0.43	1.1	4.5	ug/Kg
50-32-8	Benzo(a)pyrene	130	E	0.43	1.1	4.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	E	0.71	1.1	4.5	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	41		0.64	1.1	4.5	ug/Kg
191-24-2	Benzo(g,h,i)perylene	19		1	1.1	4.5	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.492		15-120		31	SPK: -8
93951-69-0	Fluoranthene-d10	0.194		30-130		49	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.173		20-140		43	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2746		7.485			
1146-65-2	Naphthalene-d8	7263		10.242			
15067-26-2	Acenaphthene-d10	4672		14.131			

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	A4BF4	SDG No.:	BM072224
Lab Sample ID:	P3238-09	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	26.4
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046747.D	1	7/16/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9687	16.882				
1719-03-5	Chrysene-d12	10720	21.094				
1520-96-3	Perylene-d12	8632	23.227				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.2	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	A4BF8	SDG No.:	BM072224
Lab Sample ID:	P3238-12	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	26.2
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
BM046748.D	1	7/16/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	U	1.2	0	9	ug/Kg
91-20-3	Naphthalene	1.9	J	0.27	1.1	4.5	ug/Kg
90-12-0	1-Methylnaphthalene	0.95	J	0.7	1.1	4.5	ug/Kg
91-57-6	2-Methylnaphthalene	1.2	J	0.26	1.1	4.5	ug/Kg
208-96-8	Acenaphthylene	5		0.45	1.1	4.5	ug/Kg
83-32-9	Acenaphthene	3.6	J	0.24	1.1	4.5	ug/Kg
86-73-7	Fluorene	3.5	J	0.3	1.1	4.5	ug/Kg
87-86-5	Pentachlorophenol	2.7	U	2.7	2.3	9	ug/Kg
85-01-8	Phenanthrene	69		0.24	1.1	4.5	ug/Kg
120-12-7	Anthracene	11		0.23	1.1	4.5	ug/Kg
206-44-0	Fluoranthene	190	E	0.24	1.1	4.5	ug/Kg
129-00-0	Pyrene	120	E	0.32	1.1	4.5	ug/Kg
56-55-3	Benzo(a)anthracene	69		0.13	1.1	4.5	ug/Kg
218-01-9	Chrysene	89	E	0.34	1.1	4.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	E	0.63	1.1	4.5	ug/Kg
207-08-9	Benzo(k)fluoranthene	44		0.43	1.1	4.5	ug/Kg
50-32-8	Benzo(a)pyrene	56		0.43	1.1	4.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	43		0.7	1.1	4.5	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	16		0.63	1.1	4.5	ug/Kg
191-24-2	Benzo(g,h,i)perylene	9		1	1.1	4.5	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.552		15-120		19	SPK: -8
93951-69-0	Fluoranthene-d10	0.163		30-130		41	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.151		20-140		38	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3857		7.485			
1146-65-2	Naphthalene-d8	8241		10.244			
15067-26-2	Acenaphthene-d10	8264		14.127			

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	A4BF8	SDG No.:	BM072224
Lab Sample ID:	P3238-12	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	26.2
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	
Injection Volume :		Level :	LOW
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046748.D	1	7/16/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11996	16.884				
1719-03-5	Chrysene-d12	9953	21.093				
1520-96-3	Perylene-d12	10082	23.226				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.2	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	A4CG8	SDG No.:	BM072224
Lab Sample ID:	P3238-18	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	29.4
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046749.D	1	7/16/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.3	U	1.3	0	9.5	ug/Kg
91-20-3	Naphthalene	11		0.28	1.2	4.7	ug/Kg
90-12-0	1-Methylnaphthalene	4.8		0.74	1.2	4.7	ug/Kg
91-57-6	2-Methylnaphthalene	6		0.27	1.2	4.7	ug/Kg
208-96-8	Acenaphthylene	20		0.47	1.2	4.7	ug/Kg
83-32-9	Acenaphthene	20		0.25	1.2	4.7	ug/Kg
86-73-7	Fluorene	20		0.31	1.2	4.7	ug/Kg
87-86-5	Pentachlorophenol	2.8	U	2.8	2.4	9.5	ug/Kg
85-01-8	Phenanthrene	270	E	0.25	1.2	4.7	ug/Kg
120-12-7	Anthracene	50		0.24	1.2	4.7	ug/Kg
206-44-0	Fluoranthene	490	E	0.25	1.2	4.7	ug/Kg
129-00-0	Pyrene	310	E	0.34	1.2	4.7	ug/Kg
56-55-3	Benzo(a)anthracene	200	E	0.13	1.2	4.7	ug/Kg
218-01-9	Chrysene	210	E	0.35	1.2	4.7	ug/Kg
205-99-2	Benzo(b)fluoranthene	300	E	0.67	1.2	4.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	E	0.45	1.2	4.7	ug/Kg
50-32-8	Benzo(a)pyrene	150	E	0.45	1.2	4.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	95	E	0.74	1.2	4.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	37		0.67	1.2	4.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	19		1.1	1.2	4.7	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.568		15-120		20	SPK: -8
93951-69-0	Fluoranthene-d10	0.193		30-130		48	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	4786		7.485			
1146-65-2	Naphthalene-d8	7707		10.244			
15067-26-2	Acenaphthene-d10	5242		14.127			

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	A4CG8	SDG No.:	BM072224
Lab Sample ID:	P3238-18	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	29.4
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046749.D	1	7/16/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11477	16.884				
1719-03-5	Chrysene-d12	9616	21.093				
1520-96-3	Perylene-d12	9643	23.229				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.3	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	A4BF3	SDG No.:	BM072224
Lab Sample ID:	P3238-08	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	53.8
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
BM046750.D	1	7/16/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.9	U	1.9	0	14	ug/Kg
91-20-3	Naphthalene	18		0.43	1.8	7.1	ug/Kg
90-12-0	1-Methylnaphthalene	9.9		1.1	1.8	7.1	ug/Kg
91-57-6	2-Methylnaphthalene	10		0.41	1.8	7.1	ug/Kg
208-96-8	Acenaphthylene	27		0.71	1.8	7.1	ug/Kg
83-32-9	Acenaphthene	77		0.39	1.8	7.1	ug/Kg
86-73-7	Fluorene	78		0.47	1.8	7.1	ug/Kg
87-86-5	Pentachlorophenol	4.3	U	4.3	3.6	14	ug/Kg
85-01-8	Phenanthrene	1000	E	0.39	1.8	7.1	ug/Kg
120-12-7	Anthracene	140	E	0.37	1.8	7.1	ug/Kg
206-44-0	Fluoranthene	1800	E	0.39	1.8	7.1	ug/Kg
129-00-0	Pyrene	1200	E	0.52	1.8	7.1	ug/Kg
56-55-3	Benzo(a)anthracene	610	E	0.2	1.8	7.1	ug/Kg
218-01-9	Chrysene	700	E	0.54	1.8	7.1	ug/Kg
205-99-2	Benzo(b)fluoranthene	820	E	1	1.8	7.1	ug/Kg
207-08-9	Benzo(k)fluoranthene	290	E	0.69	1.8	7.1	ug/Kg
50-32-8	Benzo(a)pyrene	390	E	0.69	1.8	7.1	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	200	E	1.1	1.8	7.1	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81		1	1.8	7.1	ug/Kg
191-24-2	Benzo(g,h,i)perylene	39		1.6	1.8	7.1	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.445		15-120		31	SPK: -8
93951-69-0	Fluoranthene-d10	0.223		30-130		56	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.152		20-140		38	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2997		7.484			
1146-65-2	Naphthalene-d8	10257		10.242			
15067-26-2	Acenaphthene-d10	5604		14.126			

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	A4BF3	SDG No.:	BM072224
Lab Sample ID:	P3238-08	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	53.8
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
BM046750.D	1	7/16/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12566	16.882				
1719-03-5	Chrysene-d12	8801	21.094				
1520-96-3	Perylene-d12	12455	23.227				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.9	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	A4CH4	SDG No.:	BM072224
Lab Sample ID:	P3238-19	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.8
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
BM046751.D	1	7/16/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162090

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	13		0.22	0.9	3.6	ug/Kg
90-12-0	1-Methylnaphthalene	4.3		0.57	0.9	3.6	ug/Kg
91-57-6	2-Methylnaphthalene	6.7		0.21	0.9	3.6	ug/Kg
208-96-8	Acenaphthylene	20		0.36	0.9	3.6	ug/Kg
83-32-9	Acenaphthene	7.4		0.2	0.9	3.6	ug/Kg
86-73-7	Fluorene	9.4		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	140	E	0.2	0.9	3.6	ug/Kg
120-12-7	Anthracene	30		0.19	0.9	3.6	ug/Kg
206-44-0	Fluoranthene	250	E	0.2	0.9	3.6	ug/Kg
129-00-0	Pyrene	160	E	0.26	0.9	3.6	ug/Kg
56-55-3	Benzo(a)anthracene	100	E	0.1	0.9	3.6	ug/Kg
218-01-9	Chrysene	120	E	0.27	0.9	3.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	E	0.51	0.9	3.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	57		0.35	0.9	3.6	ug/Kg
50-32-8	Benzo(a)pyrene	77	E	0.35	0.9	3.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	56		0.57	0.9	3.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	22		0.51	0.9	3.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	11		0.82	0.9	3.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.421		15-120		18	SPK: -8
93951-69-0	Fluoranthene-d10	0.202		30-130		50	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.178		20-140		44	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5115		7.485			
1146-65-2	Naphthalene-d8	9061		10.244			
15067-26-2	Acenaphthene-d10	5983		14.127			

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	A4CH4	SDG No.:	BM072224
Lab Sample ID:	P3238-19	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.8
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
BM046751.D	1	7/16/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	13007	16.884				
1719-03-5	Chrysene-d12	9666	21.093				
1520-96-3	Perylene-d12	10224	23.226				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.97	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	A4CH5	SDG No.:	BM072224
Lab Sample ID:	P3238-20	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	4.3
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046752.D	1	7/16/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.93	U	0.93	0	7	ug/Kg
91-20-3	Naphthalene	1.3	J	0.21	0.86	3.4	ug/Kg
90-12-0	1-Methylnaphthalene	0.54	U	0.54	0.86	3.4	ug/Kg
91-57-6	2-Methylnaphthalene	0.8	J	0.2	0.86	3.4	ug/Kg
208-96-8	Acenaphthylene	2.3	J	0.34	0.86	3.4	ug/Kg
83-32-9	Acenaphthene	1	J	0.19	0.86	3.4	ug/Kg
86-73-7	Fluorene	0.9	J	0.23	0.86	3.4	ug/Kg
87-86-5	Pentachlorophenol	2.1	U	2.1	1.7	7	ug/Kg
85-01-8	Phenanthrene	11		0.19	0.86	3.4	ug/Kg
120-12-7	Anthracene	2	J	0.18	0.86	3.4	ug/Kg
206-44-0	Fluoranthene	19		0.19	0.86	3.4	ug/Kg
129-00-0	Pyrene	16		0.25	0.86	3.4	ug/Kg
56-55-3	Benzo(a)anthracene	8.5		0.1	0.86	3.4	ug/Kg
218-01-9	Chrysene	11		0.26	0.86	3.4	ug/Kg
205-99-2	Benzo(b)fluoranthene	15		0.49	0.86	3.4	ug/Kg
207-08-9	Benzo(k)fluoranthene	4.8		0.33	0.86	3.4	ug/Kg
50-32-8	Benzo(a)pyrene	11		0.33	0.86	3.4	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	6.8		0.54	0.86	3.4	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2.1	J	0.49	0.86	3.4	ug/Kg
191-24-2	Benzo(g,h,i)perylene	8.7		0.78	0.86	3.4	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.502		15-120		31	SPK: -8
93951-69-0	Fluoranthene-d10	0.197		30-130		49	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.189		20-140		47	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3265		7.485			
1146-65-2	Naphthalene-d8	8896		10.244			
15067-26-2	Acenaphthene-d10	5827		14.127			

Report of Analysis

Client:		Date Collected:	7/11/2024 12:00:00 AM
Project:		Date Received:	7/11/2024 12:00:00 AM
Client Sample ID:	A4CH5	SDG No.:	BM072224
Lab Sample ID:	P3238-20	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	4.3
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046752.D	1	7/16/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12590	16.884				
1719-03-5	Chrysene-d12	10151	21.093				
1520-96-3	Perylene-d12	10331	23.229				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.93	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.:	BM072224
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
BM046753.D	1	7/15/2024 12:00:00 AM	7/22/2024 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	1.8	J	0.35	0.87	3.5	ug/Kg
83-32-9	Acenaphthene	0.77	J	0.19	0.87	3.5	ug/Kg
86-73-7	Fluorene	1.2	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	8.8		0.19	0.87	3.5	ug/Kg
120-12-7	Anthracene	2.2	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	11		0.25	0.87	3.5	ug/Kg
56-55-3	Benzo(a)anthracene	5.5		0.1	0.87	3.5	ug/Kg
218-01-9	Chrysene	6.6		0.26	0.87	3.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	8.8		0.5	0.87	3.5	ug/Kg
207-08-9	Benzo(k)fluoranthene	3.5		0.34	0.87	3.5	ug/Kg
50-32-8	Benzo(a)pyrene	6.2		0.34	0.87	3.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3.9		0.55	0.87	3.5	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.3	J	0.5	0.87	3.5	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4.8		0.79	0.87	3.5	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.121		15-120		52	SPK: -8
93951-69-0	Fluoranthene-d10	0.253		30-130		63	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.271		20-140		68	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2700		7.485			
1146-65-2	Naphthalene-d8	7144		10.244			
15067-26-2	Acenaphthene-d10	4610		14.127			

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.:	BM072224
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
BM046753.D	1	7/15/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9926	16.884				
1719-03-5	Chrysene-d12	8307	21.093				
1520-96-3	Perylene-d12	8664	23.227				
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:	A4CK6DL	SDG No.:	BM072224
Lab Sample ID:	P3201-20DL	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
BM046754.D	5	7/15/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.3	U	5.3	0	40	ug/Kg
91-20-3	Naphthalene	17	JD	1.2	4.9	19	ug/Kg
90-12-0	1-Methylnaphthalene	11	JD	3.1	4.9	19	ug/Kg
91-57-6	2-Methylnaphthalene	18	JD	1.1	4.9	19	ug/Kg
208-96-8	Acenaphthylene	6.9	JD	1.9	4.9	19	ug/Kg
83-32-9	Acenaphthene	38	D	1.1	4.9	19	ug/Kg
86-73-7	Fluorene	30	D	1.3	4.9	19	ug/Kg
87-86-5	Pentachlorophenol	12	U	12	9.9	40	ug/Kg
85-01-8	Phenanthrene	230	D	1.1	4.9	19	ug/Kg
120-12-7	Anthracene	35	D	1	4.9	19	ug/Kg
206-44-0	Fluoranthene	230	D	1.1	4.9	19	ug/Kg
129-00-0	Pyrene	150	D	1.4	4.9	19	ug/Kg
56-55-3	Benzo(a)anthracene	81	D	0.55	4.9	19	ug/Kg
218-01-9	Chrysene	91	D	1.5	4.9	19	ug/Kg
205-99-2	Benzo(b)fluoranthene	91	D	2.8	4.9	19	ug/Kg
207-08-9	Benzo(k)fluoranthene	36	D	1.9	4.9	19	ug/Kg
50-32-8	Benzo(a)pyrene	51	D	1.9	4.9	19	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	30	D	3.1	4.9	19	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	13	JD	2.8	4.9	19	ug/Kg
191-24-2	Benzo(g,h,i)perylene	6.9	JD	4.4	4.9	19	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.095		15-120		51	SPK: -8
93951-69-0	Fluoranthene-d10	0.285		30-130		71	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.285		20-140		71	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2964		7.484			
1146-65-2	Naphthalene-d8	7708		10.244			
15067-26-2	Acenaphthene-d10	4800		14.127			

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:	A4CK6DL	SDG No.:	BM072224
Lab Sample ID:	P3201-20DL	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
BM046754.D	5	7/15/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9888	16.884				
1719-03-5	Chrysene-d12	8532	21.093				
1520-96-3	Perylene-d12	13269	23.223				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.3	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/16/2024 12:00:00 AM
Project:		Date Received:	7/16/2024 12:00:00 AM
Client Sample ID:	SBLK090	SDG No.:	BM072224
Lab Sample ID:	PB162090BL	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
BM046756.D	1	7/16/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162090

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	4.985		15-120		62	SPK: -8
93951-69-0	Fluoranthene-d10	0.28		30-130		70	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.282		20-140		70	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2583	7.484				
1146-65-2	Naphthalene-d8	6910	10.238				
15067-26-2	Acenaphthene-d10	5780	14.127				

Report of Analysis

Client:		Date Collected:	7/16/2024 12:00:00 AM
Project:		Date Received:	7/16/2024 12:00:00 AM
Client Sample ID:	SBLK090	SDG No.:	BM072224
Lab Sample ID:	PB162090BL	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
BM046756.D	1	7/16/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	8976	16.884				
1719-03-5	Chrysene-d12	7542	21.093				
1520-96-3	Perylene-d12	7371	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:	A4BY7DL	SDG No.:	BM072224
Lab Sample ID:	P3201-01DL	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
BM046757.D	5	7/15/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.1	U	6.1	0	46	ug/Kg
91-20-3	Naphthalene	15	JD	1.4	5.6	22	ug/Kg
90-12-0	1-Methylnaphthalene	3.5	U	3.5	5.6	22	ug/Kg
91-57-6	2-Methylnaphthalene	5.4	JD	1.3	5.6	22	ug/Kg
208-96-8	Acenaphthylene	29	D	2.2	5.6	22	ug/Kg
83-32-9	Acenaphthene	26	D	1.2	5.6	22	ug/Kg
86-73-7	Fluorene	28	D	1.5	5.6	22	ug/Kg
87-86-5	Pentachlorophenol	14	U	14	11.4	46	ug/Kg
85-01-8	Phenanthrene	360	D	1.2	5.6	22	ug/Kg
120-12-7	Anthracene	72	D	1.2	5.6	22	ug/Kg
206-44-0	Fluoranthene	590	ED	1.2	5.6	22	ug/Kg
129-00-0	Pyrene	300	D	1.6	5.6	22	ug/Kg
56-55-3	Benzo(a)anthracene	250	D	0.63	5.6	22	ug/Kg
218-01-9	Chrysene	280	D	1.7	5.6	22	ug/Kg
205-99-2	Benzo(b)fluoranthene	380	ED	3.2	5.6	22	ug/Kg
207-08-9	Benzo(k)fluoranthene	140	D	2.2	5.6	22	ug/Kg
50-32-8	Benzo(a)pyrene	110	D	2.2	5.6	22	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	88	D	3.5	5.6	22	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	49	D	3.2	5.6	22	ug/Kg
191-24-2	Benzo(g,h,i)perylene	18	JD	5.1	5.6	22	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.805		15-120		23	SPK: -8
93951-69-0	Fluoranthene-d10	0.215		30-130		54	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.135		20-140		34	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4831		7.485			
1146-65-2	Naphthalene-d8	11658		10.238			
15067-26-2	Acenaphthene-d10	4442		14.127			

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:	A4BY7DL	SDG No.:	BM072224
Lab Sample ID:	P3201-01DL	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
BM046757.D	5	7/15/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9113	16.88				
1719-03-5	Chrysene-d12	8453	21.09				
1520-96-3	Perylene-d12	9679	23.224				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	6.1	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:	A4CK1DL	SDG No.:	BM072224
Lab Sample ID:	P3201-19DL	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
BM046758.D	5	7/15/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.9	U	4.9	0	37	ug/Kg
91-20-3	Naphthalene	23	D	1.1	4.5	18	ug/Kg
90-12-0	1-Methylnaphthalene	9.7	JD	2.8	4.5	18	ug/Kg
91-57-6	2-Methylnaphthalene	15	JD	1	4.5	18	ug/Kg
208-96-8	Acenaphthylene	54	D	1.8	4.5	18	ug/Kg
83-32-9	Acenaphthene	21	D	0.99	4.5	18	ug/Kg
86-73-7	Fluorene	26	D	1.2	4.5	18	ug/Kg
87-86-5	Pentachlorophenol	11	U	11	9.2	37	ug/Kg
85-01-8	Phenanthrene	280	D	0.99	4.5	18	ug/Kg
120-12-7	Anthracene	69	D	0.93	4.5	18	ug/Kg
206-44-0	Fluoranthene	420	ED	0.99	4.5	18	ug/Kg
129-00-0	Pyrene	300	ED	1.3	4.5	18	ug/Kg
56-55-3	Benzo(a)anthracene	200	D	0.51	4.5	18	ug/Kg
218-01-9	Chrysene	250	D	1.4	4.5	18	ug/Kg
205-99-2	Benzo(b)fluoranthene	330	ED	2.6	4.5	18	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	D	1.8	4.5	18	ug/Kg
50-32-8	Benzo(a)pyrene	140	D	1.8	4.5	18	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	D	2.8	4.5	18	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	45	D	2.6	4.5	18	ug/Kg
191-24-2	Benzo(g,h,i)perylene	20	D	4.1	4.5	18	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.95		15-120		37	SPK: -8
93951-69-0	Fluoranthene-d10	0.19		30-130		47	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.21		20-140		52	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3243	7.48				
1146-65-2	Naphthalene-d8	8648	10.242				
15067-26-2	Acenaphthene-d10	5784	14.126				

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:	A4CK1DL	SDG No.:	BM072224
Lab Sample ID:	P3201-19DL	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
BM046758.D	5	7/15/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12772	16.882				
1719-03-5	Chrysene-d12	11734	21.091				
1520-96-3	Perylene-d12	12932	23.224				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	4.9	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:	A4CJ3DL	SDG No.:	BM072224
Lab Sample ID:	P3201-17DL	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
BM046759.D	5	7/15/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	8.7	U	8.7	0	65	ug/Kg
91-20-3	Naphthalene	21	JD	2	8.1	32	ug/Kg
90-12-0	1-Methylnaphthalene	7.2	JD	5.1	8.1	32	ug/Kg
91-57-6	2-Methylnaphthalene	8.8	JD	1.9	8.1	32	ug/Kg
208-96-8	Acenaphthylene	53	D	3.2	8.1	32	ug/Kg
83-32-9	Acenaphthene	48	D	1.8	8.1	32	ug/Kg
86-73-7	Fluorene	48	D	2.1	8.1	32	ug/Kg
87-86-5	Pentachlorophenol	20	U	20	16.4	65	ug/Kg
85-01-8	Phenanthrene	650	ED	1.8	8.1	32	ug/Kg
120-12-7	Anthracene	130	D	1.7	8.1	32	ug/Kg
206-44-0	Fluoranthene	1300	ED	1.8	8.1	32	ug/Kg
129-00-0	Pyrene	820	ED	2.3	8.1	32	ug/Kg
56-55-3	Benzo(a)anthracene	500	D	0.91	8.1	32	ug/Kg
218-01-9	Chrysene	610	ED	2.4	8.1	32	ug/Kg
205-99-2	Benzo(b)fluoranthene	4.6	U	4.6	8.1	32	ug/Kg
207-08-9	Benzo(k)fluoranthene	3.1	U	3.1	8.1	32	ug/Kg
50-32-8	Benzo(a)pyrene	3.1	U	3.1	8.1	32	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	5.1	U	5.1	8.1	32	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	4.6	U	4.6	8.1	32	ug/Kg
191-24-2	Benzo(g,h,i)perylene	7.3	U	7.3	8.1	32	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.555		15-120		32	SPK: -8
93951-69-0	Fluoranthene-d10	0.19		30-130		47	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.12		20-140		30	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3492		7.485			
1146-65-2	Naphthalene-d8	13267		10.242			
15067-26-2	Acenaphthene-d10	5582		14.126			

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:	A4CJ3DL	SDG No.:	BM072224
Lab Sample ID:	P3201-17DL	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
BM046759.D	5	7/15/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11758	16.882				
1719-03-5	Chrysene-d12	10158	21.099				
1520-96-3	Perylene-d12	0	0				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	8.7	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:	A4BY8DL	SDG No.:	BM072224
Lab Sample ID:	P3201-02DL	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
BM046760.D	5	7/15/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.8	U	4.8	0	36	ug/Kg
91-20-3	Naphthalene	1.1	U	1.1	4.5	18	ug/Kg
90-12-0	1-Methylnaphthalene	2.8	U	2.8	4.5	18	ug/Kg
91-57-6	2-Methylnaphthalene	1	U	1	4.5	18	ug/Kg
208-96-8	Acenaphthylene	6.5	JD	1.8	4.5	18	ug/Kg
83-32-9	Acenaphthene	4.7	JD	0.98	4.5	18	ug/Kg
86-73-7	Fluorene	6.2	JD	1.2	4.5	18	ug/Kg
87-86-5	Pentachlorophenol	11	U	11	9.1	36	ug/Kg
85-01-8	Phenanthrene	67	D	0.98	4.5	18	ug/Kg
120-12-7	Anthracene	13	JD	0.92	4.5	18	ug/Kg
206-44-0	Fluoranthene	140	D	0.98	4.5	18	ug/Kg
129-00-0	Pyrene	69	D	1.3	4.5	18	ug/Kg
56-55-3	Benzo(a)anthracene	58	D	0.51	4.5	18	ug/Kg
218-01-9	Chrysene	72	D	1.4	4.5	18	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	D	2.6	4.5	18	ug/Kg
207-08-9	Benzo(k)fluoranthene	42	D	1.7	4.5	18	ug/Kg
50-32-8	Benzo(a)pyrene	32	D	1.7	4.5	18	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	25	D	2.8	4.5	18	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	15	JD	2.6	4.5	18	ug/Kg
191-24-2	Benzo(g,h,i)perylene	8.3	JD	4.1	4.5	18	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.015		15-120		38	SPK: -8
93951-69-0	Fluoranthene-d10	0.19		30-130		47	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.2		20-140		50	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4454	7.48				
1146-65-2	Naphthalene-d8	11897	10.238				
15067-26-2	Acenaphthene-d10	7321	14.127				

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:	A4BY8DL	SDG No.:	BM072224
Lab Sample ID:	P3201-02DL	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
BM046760.D	5	7/15/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	15191	16.884				
1719-03-5	Chrysene-d12	13494	21.093				
1520-96-3	Perylene-d12	12498	23.227				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	4.8	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:	A4BY9DL	SDG No.:	BM072224
Lab Sample ID:	P3201-03DL	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
BM046761.D	5	7/15/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.8	U	5.8	0	44	ug/Kg
91-20-3	Naphthalene	15	JD	1.3	5.4	22	ug/Kg
90-12-0	1-Methylnaphthalene	6.3	JD	3.4	5.4	22	ug/Kg
91-57-6	2-Methylnaphthalene	8.3	JD	1.2	5.4	22	ug/Kg
208-96-8	Acenaphthylene	28	D	2.2	5.4	22	ug/Kg
83-32-9	Acenaphthene	30	D	1.2	5.4	22	ug/Kg
86-73-7	Fluorene	28	D	1.4	5.4	22	ug/Kg
87-86-5	Pentachlorophenol	13	U	13	11	44	ug/Kg
85-01-8	Phenanthrene	400	ED	1.2	5.4	22	ug/Kg
120-12-7	Anthracene	71	D	1.1	5.4	22	ug/Kg
206-44-0	Fluoranthene	770	ED	1.2	5.4	22	ug/Kg
129-00-0	Pyrene	380	ED	1.6	5.4	22	ug/Kg
56-55-3	Benzo(a)anthracene	290	D	0.61	5.4	22	ug/Kg
218-01-9	Chrysene	330	D	1.6	5.4	22	ug/Kg
205-99-2	Benzo(b)fluoranthene	440	ED	3.1	5.4	22	ug/Kg
207-08-9	Benzo(k)fluoranthene	170	D	2.1	5.4	22	ug/Kg
50-32-8	Benzo(a)pyrene	130	D	2.1	5.4	22	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	D	3.4	5.4	22	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	54	D	3.1	5.4	22	ug/Kg
191-24-2	Benzo(g,h,i)perylene	18	JD	4.9	5.4	22	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.305		15-120		16	SPK: -8
93951-69-0	Fluoranthene-d10	0.18		30-130		45	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.16		20-140		40	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6831	7.48				
1146-65-2	Naphthalene-d8	19621	10.237				
15067-26-2	Acenaphthene-d10	11098	14.126				

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:	A4BY9DL	SDG No.:	BM072224
Lab Sample ID:	P3201-03DL	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
BM046761.D	5	7/15/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	20423	16.882				
1719-03-5	Chrysene-d12	10932	21.091				
1520-96-3	Perylene-d12	11952	23.224				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.8	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:	A4CJ0DL	SDG No.:	BM072224
Lab Sample ID:	P3201-16DL	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
BM046762.D	5	7/15/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.3	U	5.3	0	40	ug/Kg
91-20-3	Naphthalene	4	JD	1.2	5	20	ug/Kg
90-12-0	1-Methylnaphthalene	3.1	U	3.1	5	20	ug/Kg
91-57-6	2-Methylnaphthalene	1.1	U	1.1	5	20	ug/Kg
208-96-8	Acenaphthylene	5.4	JD	2	5	20	ug/Kg
83-32-9	Acenaphthene	8.2	JD	1.1	5	20	ug/Kg
86-73-7	Fluorene	7.8	JD	1.3	5	20	ug/Kg
87-86-5	Pentachlorophenol	12	U	12	10.1	40	ug/Kg
85-01-8	Phenanthrene	72	D	1.1	5	20	ug/Kg
120-12-7	Anthracene	13	JD	1	5	20	ug/Kg
206-44-0	Fluoranthene	96	D	1.1	5	20	ug/Kg
129-00-0	Pyrene	81	D	1.4	5	20	ug/Kg
56-55-3	Benzo(a)anthracene	37	D	0.56	5	20	ug/Kg
218-01-9	Chrysene	41	D	1.5	5	20	ug/Kg
205-99-2	Benzo(b)fluoranthene	51	D	2.8	5	20	ug/Kg
207-08-9	Benzo(k)fluoranthene	19	JD	1.9	5	20	ug/Kg
50-32-8	Benzo(a)pyrene	42	D	1.9	5	20	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	21	D	3.1	5	20	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	6.8	JD	2.8	5	20	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27	D	4.5	5	20	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.38		15-120		42	SPK: -8
93951-69-0	Fluoranthene-d10	0.245		30-130		61	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.245		20-140		61	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3287		7.481			
1146-65-2	Naphthalene-d8	8677		10.237			
15067-26-2	Acenaphthene-d10	5525		14.126			

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:	A4CJ0DL	SDG No.:	BM072224
Lab Sample ID:	P3201-16DL	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
BM046762.D	5	7/15/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	14203	16.883				
1719-03-5	Chrysene-d12	9378	21.088				
1520-96-3	Perylene-d12	10452	23.219				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.3	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:	A4BZ2DL	SDG No.:	BM072224
Lab Sample ID:	P3201-04DL	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
BM046763.D	5	7/15/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	7.5	U	7.5	0	56	ug/Kg
91-20-3	Naphthalene	1.7	U	1.7	6.9	28	ug/Kg
90-12-0	1-Methylnaphthalene	4.4	U	4.4	6.9	28	ug/Kg
91-57-6	2-Methylnaphthalene	1.6	U	1.6	6.9	28	ug/Kg
208-96-8	Acenaphthylene	7.9	JD	2.8	6.9	28	ug/Kg
83-32-9	Acenaphthene	5.9	JD	1.5	6.9	28	ug/Kg
86-73-7	Fluorene	6.5	JD	1.9	6.9	28	ug/Kg
87-86-5	Pentachlorophenol	17	U	17	14.1	56	ug/Kg
85-01-8	Phenanthrene	66	D	1.5	6.9	28	ug/Kg
120-12-7	Anthracene	15	JD	1.4	6.9	28	ug/Kg
206-44-0	Fluoranthene	110	D	1.5	6.9	28	ug/Kg
129-00-0	Pyrene	90	D	2	6.9	28	ug/Kg
56-55-3	Benzo(a)anthracene	43	D	0.78	6.9	28	ug/Kg
218-01-9	Chrysene	50	D	2.1	6.9	28	ug/Kg
205-99-2	Benzo(b)fluoranthene	63	D	4	6.9	28	ug/Kg
207-08-9	Benzo(k)fluoranthene	27	JD	2.7	6.9	28	ug/Kg
50-32-8	Benzo(a)pyrene	52	D	2.7	6.9	28	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	28	D	4.4	6.9	28	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	9	JD	4	6.9	28	ug/Kg
191-24-2	Benzo(g,h,i)perylene	36	D	6.3	6.9	28	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.77		15-120		35	SPK: -8
93951-69-0	Fluoranthene-d10	0.25		30-130		63	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.245		20-140		61	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4616	7.48				
1146-65-2	Naphthalene-d8	8855	10.238				
15067-26-2	Acenaphthene-d10	5594	14.127				

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:	A4BZ2DL	SDG No.:	BM072224
Lab Sample ID:	P3201-04DL	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
BM046763.D	5	7/15/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	11701	16.879				
1719-03-5	Chrysene-d12	9359	21.087				
1520-96-3	Perylene-d12	10307	23.221				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	7.5	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:	A4BZ3DL	SDG No.:	BM072224
Lab Sample ID:	P3201-05DL	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
BM046764.D	5	7/15/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.1	U	5.1	0	39	ug/Kg
91-20-3	Naphthalene	1.2	U	1.2	4.8	19	ug/Kg
90-12-0	1-Methylnaphthalene	3	U	3	4.8	19	ug/Kg
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4.8	19	ug/Kg
208-96-8	Acenaphthylene	8.3	JD	1.9	4.8	19	ug/Kg
83-32-9	Acenaphthene	5	JD	1	4.8	19	ug/Kg
86-73-7	Fluorene	5.2	JD	1.3	4.8	19	ug/Kg
87-86-5	Pentachlorophenol	12	U	12	9.7	39	ug/Kg
85-01-8	Phenanthrene	88	D	1	4.8	19	ug/Kg
120-12-7	Anthracene	16	JD	0.98	4.8	19	ug/Kg
206-44-0	Fluoranthene	210	D	1	4.8	19	ug/Kg
129-00-0	Pyrene	100	D	1.4	4.8	19	ug/Kg
56-55-3	Benzo(a)anthracene	79	D	0.54	4.8	19	ug/Kg
218-01-9	Chrysene	100	D	1.4	4.8	19	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	D	2.7	4.8	19	ug/Kg
207-08-9	Benzo(k)fluoranthene	54	D	1.8	4.8	19	ug/Kg
50-32-8	Benzo(a)pyrene	38	D	1.8	4.8	19	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32	D	3	4.8	19	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	17	JD	2.7	4.8	19	ug/Kg
191-24-2	Benzo(g,h,i)perylene	6	JD	4.3	4.8	19	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.505		15-120		31	SPK: -8
93951-69-0	Fluoranthene-d10	0.185		30-130		46	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.185		20-140		46	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3703	7.48				
1146-65-2	Naphthalene-d8	9548	10.238				
15067-26-2	Acenaphthene-d10	6011	14.123				

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:	A4BZ3DL	SDG No.:	BM072224
Lab Sample ID:	P3201-05DL	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
BM046764.D	5	7/15/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12315	16.88				
1719-03-5	Chrysene-d12	10095	21.087				
1520-96-3	Perylene-d12	11556	23.221				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.1	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:	A4BZ4DL	SDG No.:	BM072224
Lab Sample ID:	P3201-06DL	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
BM046765.D	5	7/15/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.7	U	5.7	0	43	ug/Kg
91-20-3	Naphthalene	9.4	JD	1.3	5.3	21	ug/Kg
90-12-0	1-Methylnaphthalene	3.3	U	3.3	5.3	21	ug/Kg
91-57-6	2-Methylnaphthalene	5.8	JD	1.2	5.3	21	ug/Kg
208-96-8	Acenaphthylene	14	JD	2.1	5.3	21	ug/Kg
83-32-9	Acenaphthene	14	JD	1.2	5.3	21	ug/Kg
86-73-7	Fluorene	19	JD	1.4	5.3	21	ug/Kg
87-86-5	Pentachlorophenol	13	U	13	10.7	43	ug/Kg
85-01-8	Phenanthrene	160	D	1.2	5.3	21	ug/Kg
120-12-7	Anthracene	35	D	1.1	5.3	21	ug/Kg
206-44-0	Fluoranthene	250	D	1.2	5.3	21	ug/Kg
129-00-0	Pyrene	130	D	1.5	5.3	21	ug/Kg
56-55-3	Benzo(a)anthracene	110	D	0.6	5.3	21	ug/Kg
218-01-9	Chrysene	110	D	1.6	5.3	21	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	D	3	5.3	21	ug/Kg
207-08-9	Benzo(k)fluoranthene	55	D	2	5.3	21	ug/Kg
50-32-8	Benzo(a)pyrene	44	D	2	5.3	21	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31	D	3.3	5.3	21	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	19	JD	3	5.3	21	ug/Kg
191-24-2	Benzo(g,h,i)perylene	6.8	JD	4.8	5.3	21	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.6		15-120		32	SPK: -8
93951-69-0	Fluoranthene-d10	0.175		30-130		44	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.175		20-140		44	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3018	7.48				
1146-65-2	Naphthalene-d8	7886	10.238				
15067-26-2	Acenaphthene-d10	5066	14.123				

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:	A4BZ4DL	SDG No.:	BM072224
Lab Sample ID:	P3201-06DL	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
BM046765.D	5	7/15/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	10711	16.879				
1719-03-5	Chrysene-d12	9093	21.087				
1520-96-3	Perylene-d12	10278	23.221				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.7	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:	A4CH9DL	SDG No.:	BM072224
Lab Sample ID:	P3201-15DL	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
BM046766.D	5	7/15/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.6	U	5.6	0	43	ug/Kg
91-20-3	Naphthalene	7.4	JD	1.3	5.2	21	ug/Kg
90-12-0	1-Methylnaphthalene	3.3	U	3.3	5.2	21	ug/Kg
91-57-6	2-Methylnaphthalene	5.7	JD	1.2	5.2	21	ug/Kg
208-96-8	Acenaphthylene	4.9	JD	2.1	5.2	21	ug/Kg
83-32-9	Acenaphthene	21	D	1.1	5.2	21	ug/Kg
86-73-7	Fluorene	19	JD	1.4	5.2	21	ug/Kg
87-86-5	Pentachlorophenol	13	U	13	10.6	43	ug/Kg
85-01-8	Phenanthrene	140	D	1.1	5.2	21	ug/Kg
120-12-7	Anthracene	31	D	1.1	5.2	21	ug/Kg
206-44-0	Fluoranthene	180	D	1.1	5.2	21	ug/Kg
129-00-0	Pyrene	120	D	1.5	5.2	21	ug/Kg
56-55-3	Benzo(a)anthracene	72	D	0.59	5.2	21	ug/Kg
218-01-9	Chrysene	76	D	1.6	5.2	21	ug/Kg
205-99-2	Benzo(b)fluoranthene	93	D	3	5.2	21	ug/Kg
207-08-9	Benzo(k)fluoranthene	35	D	2	5.2	21	ug/Kg
50-32-8	Benzo(a)pyrene	40	D	2	5.2	21	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	19	JD	3.3	5.2	21	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	8.7	JD	3	5.2	21	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4.8	U	4.8	5.2	21	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.66		15-120		33	SPK: -8
93951-69-0	Fluoranthene-d10	0.21		30-130		52	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.185		20-140		46	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3278	7.48				
1146-65-2	Naphthalene-d8	8571	10.237				
15067-26-2	Acenaphthene-d10	5265	14.126				

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:	A4CH9DL	SDG No.:	BM072224
Lab Sample ID:	P3201-15DL	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
BM046766.D	5	7/15/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	17542	16.878				
1719-03-5	Chrysene-d12	13833	21.085				
1520-96-3	Perylene-d12	15701	23.218				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.6	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:	A4CH7DL	SDG No.:	BM072224
Lab Sample ID:	P3201-13DL	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
BM046767.D	5	7/15/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	4.9	U	4.9	0	37	ug/Kg
91-20-3	Naphthalene	4.4	JD	1.1	4.5	18	ug/Kg
90-12-0	1-Methylnaphthalene	2.9	U	2.9	4.5	18	ug/Kg
91-57-6	2-Methylnaphthalene	1	U	1	4.5	18	ug/Kg
208-96-8	Acenaphthylene	8.6	JD	1.8	4.5	18	ug/Kg
83-32-9	Acenaphthene	11	JD	0.99	4.5	18	ug/Kg
86-73-7	Fluorene	11	JD	1.2	4.5	18	ug/Kg
87-86-5	Pentachlorophenol	11	U	11	9.2	37	ug/Kg
85-01-8	Phenanthrene	130	D	0.99	4.5	18	ug/Kg
120-12-7	Anthracene	24	D	0.94	4.5	18	ug/Kg
206-44-0	Fluoranthene	220	D	0.99	4.5	18	ug/Kg
129-00-0	Pyrene	140	D	1.3	4.5	18	ug/Kg
56-55-3	Benzo(a)anthracene	80	D	0.51	4.5	18	ug/Kg
218-01-9	Chrysene	93	D	1.4	4.5	18	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	D	2.6	4.5	18	ug/Kg
207-08-9	Benzo(k)fluoranthene	52	D	1.8	4.5	18	ug/Kg
50-32-8	Benzo(a)pyrene	54	D	1.8	4.5	18	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	39	D	2.9	4.5	18	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	16	JD	2.6	4.5	18	ug/Kg
191-24-2	Benzo(g,h,i)perylene	7.7	JD	4.1	4.5	18	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.055		15-120		26	SPK: -8
93951-69-0	Fluoranthene-d10	0.155		30-130		39	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.14		20-140		35	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3308	7.48				
1146-65-2	Naphthalene-d8	8455	10.238				
15067-26-2	Acenaphthene-d10	5131	14.123				

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:	A4CH7DL	SDG No.:	BM072224
Lab Sample ID:	P3201-13DL	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
BM046767.D	5	7/15/2024 12:00:00 AM	7/23/2024 12:00:00 AM	PB162067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	10511	16.88				
1719-03-5	Chrysene-d12	8682	21.087				
1520-96-3	Perylene-d12	9890	23.218				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	4.9	U			99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM072224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : A4BY7DL								
P3201-01DL	A4BY7DL	Solid	Total Alkanes	*	0.000	D 6.1	46	ug/Kg
			Total Tics :			0.00		
P3201-01DL	A4BY7DL	Solid	2-Methylnaphthalene		5.400	JD 1.3	22	ug/Kg
P3201-01DL	A4BY7DL	Solid	Acenaphthene		26.000	D 1.2	22	ug/Kg
P3201-01DL	A4BY7DL	Solid	Acenaphthylene		29.000	D 2.2	22	ug/Kg
P3201-01DL	A4BY7DL	Solid	Anthracene		72.000	D 1.2	22	ug/Kg
P3201-01DL	A4BY7DL	Solid	Benzo(a)anthracene		250.000	D 0.63	22	ug/Kg
P3201-01DL	A4BY7DL	Solid	Benzo(a)pyrene		110.000	D 2.2	22	ug/Kg
P3201-01DL	A4BY7DL	Solid	Benzo(b)fluoranthene		380.000	ED 3.2	22	ug/Kg
P3201-01DL	A4BY7DL	Solid	Benzo(g,h,i)perylene		18.000	JD 5.1	22	ug/Kg
P3201-01DL	A4BY7DL	Solid	Benzo(k)fluoranthene		140.000	D 2.2	22	ug/Kg
P3201-01DL	A4BY7DL	Solid	Chrysene		280.000	D 1.7	22	ug/Kg
P3201-01DL	A4BY7DL	Solid	Dibenzo(a,h)anthracene		49.000	D 3.2	22	ug/Kg
P3201-01DL	A4BY7DL	Solid	Fluoranthene		590.000	ED 1.2	22	ug/Kg
P3201-01DL	A4BY7DL	Solid	Fluorene		28.000	D 1.5	22	ug/Kg
P3201-01DL	A4BY7DL	Solid	Indeno(1,2,3-cd)pyrene		88.000	D 3.5	22	ug/Kg
P3201-01DL	A4BY7DL	Solid	Naphthalene		15.000	JD 1.4	22	ug/Kg
P3201-01DL	A4BY7DL	Solid	Phenanthrene		360.000	D 1.2	22	ug/Kg
P3201-01DL	A4BY7DL	Solid	Pyrene		300.000	D 1.6	22	ug/Kg
			Total Svoc :			2,740.40		
			Total Concentration:			2,740.40		
Client ID : A4BY8DL								
P3201-02DL	A4BY8DL	Solid	Total Alkanes	*	0.000	D 4.8	36	ug/Kg
			Total Tics :			0.00		
P3201-02DL	A4BY8DL	Solid	Acenaphthene		4.700	JD 0.98	18	ug/Kg
P3201-02DL	A4BY8DL	Solid	Acenaphthylene		6.500	JD 1.8	18	ug/Kg
P3201-02DL	A4BY8DL	Solid	Anthracene		13.000	JD 0.92	18	ug/Kg
P3201-02DL	A4BY8DL	Solid	Benzo(a)anthracene		58.000	D 0.51	18	ug/Kg
P3201-02DL	A4BY8DL	Solid	Benzo(a)pyrene		32.000	D 1.7	18	ug/Kg
P3201-02DL	A4BY8DL	Solid	Benzo(b)fluoranthene		120.000	D 2.6	18	ug/Kg
P3201-02DL	A4BY8DL	Solid	Benzo(g,h,i)perylene		8.300	JD 4.1	18	ug/Kg
P3201-02DL	A4BY8DL	Solid	Benzo(k)fluoranthene		42.000	D 1.7	18	ug/Kg
P3201-02DL	A4BY8DL	Solid	Chrysene		72.000	D 1.4	18	ug/Kg
P3201-02DL	A4BY8DL	Solid	Dibenzo(a,h)anthracene		15.000	JD 2.6	18	ug/Kg
P3201-02DL	A4BY8DL	Solid	Fluoranthene		140.000	D 0.98	18	ug/Kg
P3201-02DL	A4BY8DL	Solid	Fluorene		6.200	JD 1.2	18	ug/Kg
P3201-02DL	A4BY8DL	Solid	Indeno(1,2,3-cd)pyrene		25.000	D 2.8	18	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM072224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3201-02DL	A4BY8DL	Solid	Phenanthrene	67.000	D	0.98	18	ug/Kg
P3201-02DL	A4BY8DL	Solid	Pyrene	69.000	D	1.3	18	ug/Kg
Total Svoc :				678.70				
Total Concentration:				678.70				
Client ID :	A4BY9DL							
P3201-03DL	A4BY9DL	Solid	Total Alkanes	*	0.000	D 5.8	44	ug/Kg
Total Tics :				0.00				
P3201-03DL	A4BY9DL	Solid	1-Methylnaphthalene	6.300	JD	3.4	22	ug/Kg
P3201-03DL	A4BY9DL	Solid	2-Methylnaphthalene	8.300	JD	1.2	22	ug/Kg
P3201-03DL	A4BY9DL	Solid	Acenaphthene	30.000	D	1.2	22	ug/Kg
P3201-03DL	A4BY9DL	Solid	Acenaphthylene	28.000	D	2.2	22	ug/Kg
P3201-03DL	A4BY9DL	Solid	Anthracene	71.000	D	1.1	22	ug/Kg
P3201-03DL	A4BY9DL	Solid	Benzo(a)anthracene	290.000	D	0.61	22	ug/Kg
P3201-03DL	A4BY9DL	Solid	Benzo(a)pyrene	130.000	D	2.1	22	ug/Kg
P3201-03DL	A4BY9DL	Solid	Benzo(b)fluoranthene	440.000	ED	3.1	22	ug/Kg
P3201-03DL	A4BY9DL	Solid	Benzo(g,h,i)perylene	18.000	JD	4.9	22	ug/Kg
P3201-03DL	A4BY9DL	Solid	Benzo(k)fluoranthene	170.000	D	2.1	22	ug/Kg
P3201-03DL	A4BY9DL	Solid	Chrysene	330.000	D	1.6	22	ug/Kg
P3201-03DL	A4BY9DL	Solid	Dibenzo(a,h)anthracene	54.000	D	3.1	22	ug/Kg
P3201-03DL	A4BY9DL	Solid	Fluoranthene	770.000	ED	1.2	22	ug/Kg
P3201-03DL	A4BY9DL	Solid	Fluorene	28.000	D	1.4	22	ug/Kg
P3201-03DL	A4BY9DL	Solid	Indeno(1,2,3-cd)pyrene	100.000	D	3.4	22	ug/Kg
P3201-03DL	A4BY9DL	Solid	Naphthalene	15.000	JD	1.3	22	ug/Kg
P3201-03DL	A4BY9DL	Solid	Phenanthrene	400.000	ED	1.2	22	ug/Kg
P3201-03DL	A4BY9DL	Solid	Pyrene	380.000	ED	1.6	22	ug/Kg
Total Svoc :				3,268.60				
Total Concentration:				3,268.60				
Client ID :	A4BZ2DL							
P3201-04DL	A4BZ2DL	Solid	Total Alkanes	*	0.000	D 7.5	56	ug/Kg
Total Tics :				0.00				
P3201-04DL	A4BZ2DL	Solid	Acenaphthene	5.900	JD	1.5	28	ug/Kg
P3201-04DL	A4BZ2DL	Solid	Acenaphthylene	7.900	JD	2.8	28	ug/Kg
P3201-04DL	A4BZ2DL	Solid	Anthracene	15.000	JD	1.4	28	ug/Kg
P3201-04DL	A4BZ2DL	Solid	Benzo(a)anthracene	43.000	D	0.78	28	ug/Kg
P3201-04DL	A4BZ2DL	Solid	Benzo(a)pyrene	52.000	D	2.7	28	ug/Kg
P3201-04DL	A4BZ2DL	Solid	Benzo(b)fluoranthene	63.000	D	4	28	ug/Kg
P3201-04DL	A4BZ2DL	Solid	Benzo(g,h,i)perylene	36.000	D	6.3	28	ug/Kg
P3201-04DL	A4BZ2DL	Solid	Benzo(k)fluoranthene	27.000	JD	2.7	28	ug/Kg
P3201-04DL	A4BZ2DL	Solid	Chrysene	50.000	D	2.1	28	ug/Kg
P3201-04DL	A4BZ2DL	Solid	Dibenzo(a,h)anthracene	9.000	JD	4	28	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM072224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3201-04DL	A4BZ2DL	Solid	Fluoranthene	110.000	D	1.5	28	ug/Kg
P3201-04DL	A4BZ2DL	Solid	Fluorene	6.500	JD	1.9	28	ug/Kg
P3201-04DL	A4BZ2DL	Solid	Indeno(1,2,3-cd)pyrene	28.000	D	4.4	28	ug/Kg
P3201-04DL	A4BZ2DL	Solid	Phenanthrene	66.000	D	1.5	28	ug/Kg
P3201-04DL	A4BZ2DL	Solid	Pyrene	90.000	D	2	28	ug/Kg
Total Svoc :				609.30				
Total Concentration:				609.30				
Client ID : A4BZ3DL								
P3201-05DL	A4BZ3DL	Solid	Total Alkanes	*	0.000	D 5.1	39	ug/Kg
Total Tics :				0.00				
P3201-05DL	A4BZ3DL	Solid	Acenaphthene	5.000	JD	1	19	ug/Kg
P3201-05DL	A4BZ3DL	Solid	Acenaphthylene	8.300	JD	1.9	19	ug/Kg
P3201-05DL	A4BZ3DL	Solid	Anthracene	16.000	JD	0.98	19	ug/Kg
P3201-05DL	A4BZ3DL	Solid	Benzo(a)anthracene	79.000	D	0.54	19	ug/Kg
P3201-05DL	A4BZ3DL	Solid	Benzo(a)pyrene	38.000	D	1.8	19	ug/Kg
P3201-05DL	A4BZ3DL	Solid	Benzo(b)fluoranthene	140.000	D	2.7	19	ug/Kg
P3201-05DL	A4BZ3DL	Solid	Benzo(g,h,i)perylene	6.000	JD	4.3	19	ug/Kg
P3201-05DL	A4BZ3DL	Solid	Benzo(k)fluoranthene	54.000	D	1.8	19	ug/Kg
P3201-05DL	A4BZ3DL	Solid	Chrysene	100.000	D	1.4	19	ug/Kg
P3201-05DL	A4BZ3DL	Solid	Dibenzo(a,h)anthracene	17.000	JD	2.7	19	ug/Kg
P3201-05DL	A4BZ3DL	Solid	Fluoranthene	210.000	D	1	19	ug/Kg
P3201-05DL	A4BZ3DL	Solid	Fluorene	5.200	JD	1.3	19	ug/Kg
P3201-05DL	A4BZ3DL	Solid	Indeno(1,2,3-cd)pyrene	32.000	D	3	19	ug/Kg
P3201-05DL	A4BZ3DL	Solid	Phenanthrene	88.000	D	1	19	ug/Kg
P3201-05DL	A4BZ3DL	Solid	Pyrene	100.000	D	1.4	19	ug/Kg
Total Svoc :				898.50				
Total Concentration:				898.50				
Client ID : A4BZ4DL								
P3201-06DL	A4BZ4DL	Solid	Total Alkanes	*	0.000	D 5.7	43	ug/Kg
Total Tics :				0.00				
P3201-06DL	A4BZ4DL	Solid	2-Methylnaphthalene	5.800	JD	1.2	21	ug/Kg
P3201-06DL	A4BZ4DL	Solid	Acenaphthene	14.000	JD	1.2	21	ug/Kg
P3201-06DL	A4BZ4DL	Solid	Acenaphthylene	14.000	JD	2.1	21	ug/Kg
P3201-06DL	A4BZ4DL	Solid	Anthracene	35.000	D	1.1	21	ug/Kg
P3201-06DL	A4BZ4DL	Solid	Benzo(a)anthracene	110.000	D	0.6	21	ug/Kg
P3201-06DL	A4BZ4DL	Solid	Benzo(a)pyrene	44.000	D	2	21	ug/Kg
P3201-06DL	A4BZ4DL	Solid	Benzo(b)fluoranthene	140.000	D	3	21	ug/Kg
P3201-06DL	A4BZ4DL	Solid	Benzo(g,h,i)perylene	6.800	JD	4.8	21	ug/Kg
P3201-06DL	A4BZ4DL	Solid	Benzo(k)fluoranthene	55.000	D	2	21	ug/Kg
P3201-06DL	A4BZ4DL	Solid	Chrysene	110.000	D	1.6	21	ug/Kg

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SDG No.: BM072224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3201-06DL	A4BZ4DL	Solid	Dibenzo(a,h)anthracene	19.000	JD	3	21	ug/Kg
P3201-06DL	A4BZ4DL	Solid	Fluoranthene	250.000	D	1.2	21	ug/Kg
P3201-06DL	A4BZ4DL	Solid	Fluorene	19.000	JD	1.4	21	ug/Kg
P3201-06DL	A4BZ4DL	Solid	Indeno(1,2,3-cd)pyrene	31.000	D	3.3	21	ug/Kg
P3201-06DL	A4BZ4DL	Solid	Naphthalene	9.400	JD	1.3	21	ug/Kg
P3201-06DL	A4BZ4DL	Solid	Phenanthrene	160.000	D	1.2	21	ug/Kg
P3201-06DL	A4BZ4DL	Solid	Pyrene	130.000	D	1.5	21	ug/Kg
Total Svoc :				1,153.00				
Total Concentration:				1,153.00				
Client ID : A4CH7DL								
P3201-13DL	A4CH7DL	Solid	Total Alkanes	*	0.000	D 4.9	37	ug/Kg
Total Tics :				0.00				
P3201-13DL	A4CH7DL	Solid	Acenaphthene	11.000	JD	0.99	18	ug/Kg
P3201-13DL	A4CH7DL	Solid	Acenaphthylene	8.600	JD	1.8	18	ug/Kg
P3201-13DL	A4CH7DL	Solid	Anthracene	24.000	D	0.94	18	ug/Kg
P3201-13DL	A4CH7DL	Solid	Benzo(a)anthracene	80.000	D	0.51	18	ug/Kg
P3201-13DL	A4CH7DL	Solid	Benzo(a)pyrene	54.000	D	1.8	18	ug/Kg
P3201-13DL	A4CH7DL	Solid	Benzo(b)fluoranthene	120.000	D	2.6	18	ug/Kg
P3201-13DL	A4CH7DL	Solid	Benzo(g,h,i)perylene	7.700	JD	4.1	18	ug/Kg
P3201-13DL	A4CH7DL	Solid	Benzo(k)fluoranthene	52.000	D	1.8	18	ug/Kg
P3201-13DL	A4CH7DL	Solid	Chrysene	93.000	D	1.4	18	ug/Kg
P3201-13DL	A4CH7DL	Solid	Dibenzo(a,h)anthracene	16.000	JD	2.6	18	ug/Kg
P3201-13DL	A4CH7DL	Solid	Fluoranthene	220.000	D	0.99	18	ug/Kg
P3201-13DL	A4CH7DL	Solid	Fluorene	11.000	JD	1.2	18	ug/Kg
P3201-13DL	A4CH7DL	Solid	Indeno(1,2,3-cd)pyrene	39.000	D	2.9	18	ug/Kg
P3201-13DL	A4CH7DL	Solid	Naphthalene	4.400	JD	1.1	18	ug/Kg
P3201-13DL	A4CH7DL	Solid	Phenanthrene	130.000	D	0.99	18	ug/Kg
P3201-13DL	A4CH7DL	Solid	Pyrene	140.000	D	1.3	18	ug/Kg
Total Svoc :				1,010.70				
Total Concentration:				1,010.70				
Client ID : A4CH9DL								
P3201-15DL	A4CH9DL	Solid	Total Alkanes	*	0.000	D 5.6	43	ug/Kg
Total Tics :				0.00				
P3201-15DL	A4CH9DL	Solid	2-Methylnaphthalene	5.700	JD	1.2	21	ug/Kg
P3201-15DL	A4CH9DL	Solid	Acenaphthene	21.000	D	1.1	21	ug/Kg
P3201-15DL	A4CH9DL	Solid	Acenaphthylene	4.900	JD	2.1	21	ug/Kg
P3201-15DL	A4CH9DL	Solid	Anthracene	31.000	D	1.1	21	ug/Kg
P3201-15DL	A4CH9DL	Solid	Benzo(a)anthracene	72.000	D	0.59	21	ug/Kg
P3201-15DL	A4CH9DL	Solid	Benzo(a)pyrene	40.000	D	2	21	ug/Kg
P3201-15DL	A4CH9DL	Solid	Benzo(b)fluoranthene	93.000	D	3	21	ug/Kg

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SDG No.: BM072224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3201-15DL	A4CH9DL	Solid	Benzo(k)fluoranthene	35.000	D	2	21	ug/Kg
P3201-15DL	A4CH9DL	Solid	Chrysene	76.000	D	1.6	21	ug/Kg
P3201-15DL	A4CH9DL	Solid	Dibenzo(a,h)anthracene	8.700	JD	3	21	ug/Kg
P3201-15DL	A4CH9DL	Solid	Fluoranthene	180.000	D	1.1	21	ug/Kg
P3201-15DL	A4CH9DL	Solid	Fluorene	19.000	JD	1.4	21	ug/Kg
P3201-15DL	A4CH9DL	Solid	Indeno(1,2,3-cd)pyrene	19.000	JD	3.3	21	ug/Kg
P3201-15DL	A4CH9DL	Solid	Naphthalene	7.400	JD	1.3	21	ug/Kg
P3201-15DL	A4CH9DL	Solid	Phenanthrene	140.000	D	1.1	21	ug/Kg
P3201-15DL	A4CH9DL	Solid	Pyrene	120.000	D	1.5	21	ug/Kg
Total Svoc :				872.70				
Total Concentration:				872.70				
Client ID :	A4CJ0DL							
P3201-16DL	A4CJ0DL	Solid	Total Alkanes	*	0.000	D 5.3	40	ug/Kg
Total Tics :				0.00				
P3201-16DL	A4CJ0DL	Solid	Acenaphthene	8.200	JD	1.1	20	ug/Kg
P3201-16DL	A4CJ0DL	Solid	Acenaphthylene	5.400	JD	2	20	ug/Kg
P3201-16DL	A4CJ0DL	Solid	Anthracene	13.000	JD	1	20	ug/Kg
P3201-16DL	A4CJ0DL	Solid	Benzo(a)anthracene	37.000	D	0.56	20	ug/Kg
P3201-16DL	A4CJ0DL	Solid	Benzo(a)pyrene	42.000	D	1.9	20	ug/Kg
P3201-16DL	A4CJ0DL	Solid	Benzo(b)fluoranthene	51.000	D	2.8	20	ug/Kg
P3201-16DL	A4CJ0DL	Solid	Benzo(g,h,i)perylene	27.000	D	4.5	20	ug/Kg
P3201-16DL	A4CJ0DL	Solid	Benzo(k)fluoranthene	19.000	JD	1.9	20	ug/Kg
P3201-16DL	A4CJ0DL	Solid	Chrysene	41.000	D	1.5	20	ug/Kg
P3201-16DL	A4CJ0DL	Solid	Dibenzo(a,h)anthracene	6.800	JD	2.8	20	ug/Kg
P3201-16DL	A4CJ0DL	Solid	Fluoranthene	96.000	D	1.1	20	ug/Kg
P3201-16DL	A4CJ0DL	Solid	Fluorene	7.800	JD	1.3	20	ug/Kg
P3201-16DL	A4CJ0DL	Solid	Indeno(1,2,3-cd)pyrene	21.000	D	3.1	20	ug/Kg
P3201-16DL	A4CJ0DL	Solid	Naphthalene	4.000	JD	1.2	20	ug/Kg
P3201-16DL	A4CJ0DL	Solid	Phenanthrene	72.000	D	1.1	20	ug/Kg
P3201-16DL	A4CJ0DL	Solid	Pyrene	81.000	D	1.4	20	ug/Kg
Total Svoc :				532.20				
Total Concentration:				532.20				
Client ID :	A4CJ3DL							
P3201-17DL	A4CJ3DL	Solid	Total Alkanes	*	0.000	D 8.7	65	ug/Kg
Total Tics :				0.00				
P3201-17DL	A4CJ3DL	Solid	1-Methylnaphthalene	7.200	JD	5.1	32	ug/Kg
P3201-17DL	A4CJ3DL	Solid	2-Methylnaphthalene	8.800	JD	1.9	32	ug/Kg
P3201-17DL	A4CJ3DL	Solid	Acenaphthene	48.000	D	1.8	32	ug/Kg
P3201-17DL	A4CJ3DL	Solid	Acenaphthylene	53.000	D	3.2	32	ug/Kg
P3201-17DL	A4CJ3DL	Solid	Anthracene	130.000	D	1.7	32	ug/Kg

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SDG No.: BM072224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3201-17DL	A4CJ3DL	Solid	Benzo(a)anthracene	500.000	D	0.91	32	ug/Kg
P3201-17DL	A4CJ3DL	Solid	Chrysene	610.000	ED	2.4	32	ug/Kg
P3201-17DL	A4CJ3DL	Solid	Fluoranthene	1,300.000	ED	1.8	32	ug/Kg
P3201-17DL	A4CJ3DL	Solid	Fluorene	48.000	D	2.1	32	ug/Kg
P3201-17DL	A4CJ3DL	Solid	Naphthalene	21.000	JD	2	32	ug/Kg
P3201-17DL	A4CJ3DL	Solid	Phenanthrene	650.000	ED	1.8	32	ug/Kg
P3201-17DL	A4CJ3DL	Solid	Pyrene	820.000	ED	2.3	32	ug/Kg
Total Svoc :				4,196.00				
Total Concentration:				4,196.00				
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	0.770	J	0.19	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Acenaphthylene	1.800	J	0.35	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Anthracene	2.200	J	0.18	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Benzo(a)anthracene	5.500		0.1	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Benzo(a)pyrene	6.200		0.34	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Benzo(b)fluoranthene	8.800		0.5	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Benzo(g,h,i)perylene	4.800		0.79	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Benzo(k)fluoranthene	3.500		0.34	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Chrysene	6.600		0.26	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Dibenzo(a,h)anthracene	1.300	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	1.200	J	0.23	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Indeno(1,2,3-cd)pyrene	3.900		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	8.800		0.19	3.5	ug/Kg
P3201-18	A4CJ9	Solid	Pyrene	11.000		0.25	3.5	ug/Kg
Total Svoc :				79.25				
Total Concentration:				79.25				
Client ID : A4CK1DL								
P3201-19DL	A4CK1DL	Solid	Total Alkanes	*	0.000	D 4.9	37	ug/Kg
Total Tics :				0.00				
P3201-19DL	A4CK1DL	Solid	1-Methylnaphthalene	9.700	JD	2.8	18	ug/Kg
P3201-19DL	A4CK1DL	Solid	2-Methylnaphthalene	15.000	JD	1	18	ug/Kg
P3201-19DL	A4CK1DL	Solid	Acenaphthene	21.000	D	0.99	18	ug/Kg
P3201-19DL	A4CK1DL	Solid	Acenaphthylene	54.000	D	1.8	18	ug/Kg
P3201-19DL	A4CK1DL	Solid	Anthracene	69.000	D	0.93	18	ug/Kg
P3201-19DL	A4CK1DL	Solid	Benzo(a)anthracene	200.000	D	0.51	18	ug/Kg
P3201-19DL	A4CK1DL	Solid	Benzo(a)pyrene	140.000	D	1.8	18	ug/Kg

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SDG No.: BM072224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3201-19DL	A4CK1DL	Solid	Benzo(b)fluoranthene	330.000	ED	2.6	18	ug/Kg
P3201-19DL	A4CK1DL	Solid	Benzo(g,h,i)perylene	20.000	D	4.1	18	ug/Kg
P3201-19DL	A4CK1DL	Solid	Benzo(k)fluoranthene	120.000	D	1.8	18	ug/Kg
P3201-19DL	A4CK1DL	Solid	Chrysene	250.000	D	1.4	18	ug/Kg
P3201-19DL	A4CK1DL	Solid	Dibenzo(a,h)anthracene	45.000	D	2.6	18	ug/Kg
P3201-19DL	A4CK1DL	Solid	Fluoranthene	420.000	ED	0.99	18	ug/Kg
P3201-19DL	A4CK1DL	Solid	Fluorene	26.000	D	1.2	18	ug/Kg
P3201-19DL	A4CK1DL	Solid	Indeno(1,2,3-cd)pyrene	100.000	D	2.8	18	ug/Kg
P3201-19DL	A4CK1DL	Solid	Naphthalene	23.000	D	1.1	18	ug/Kg
P3201-19DL	A4CK1DL	Solid	Phenanthrene	280.000	D	0.99	18	ug/Kg
P3201-19DL	A4CK1DL	Solid	Pyrene	300.000	ED	1.3	18	ug/Kg
Total Svoc :				2,422.70				
Total Concentration:				2,422.70				

Client ID : A4CK6DL

P3201-20DL	A4CK6DL	Solid	Total Alkanes	*	0.000	D	5.3	40	ug/Kg
Total Tics :				0.00					
P3201-20DL	A4CK6DL	Solid	1-Methylnaphthalene		11.000	JD	3.1	19	ug/Kg
P3201-20DL	A4CK6DL	Solid	2-Methylnaphthalene		18.000	JD	1.1	19	ug/Kg
P3201-20DL	A4CK6DL	Solid	Acenaphthene		38.000	D	1.1	19	ug/Kg
P3201-20DL	A4CK6DL	Solid	Acenaphthylene		6.900	JD	1.9	19	ug/Kg
P3201-20DL	A4CK6DL	Solid	Anthracene		35.000	D	1	19	ug/Kg
P3201-20DL	A4CK6DL	Solid	Benzo(a)anthracene		81.000	D	0.55	19	ug/Kg
P3201-20DL	A4CK6DL	Solid	Benzo(a)pyrene		51.000	D	1.9	19	ug/Kg
P3201-20DL	A4CK6DL	Solid	Benzo(b)fluoranthene		91.000	D	2.8	19	ug/Kg
P3201-20DL	A4CK6DL	Solid	Benzo(g,h,i)perylene		6.900	JD	4.4	19	ug/Kg
P3201-20DL	A4CK6DL	Solid	Benzo(k)fluoranthene		36.000	D	1.9	19	ug/Kg
P3201-20DL	A4CK6DL	Solid	Chrysene		91.000	D	1.5	19	ug/Kg
P3201-20DL	A4CK6DL	Solid	Dibenzo(a,h)anthracene		13.000	JD	2.8	19	ug/Kg
P3201-20DL	A4CK6DL	Solid	Fluoranthene		230.000	D	1.1	19	ug/Kg
P3201-20DL	A4CK6DL	Solid	Fluorene		30.000	D	1.3	19	ug/Kg
P3201-20DL	A4CK6DL	Solid	Indeno(1,2,3-cd)pyrene		30.000	D	3.1	19	ug/Kg
P3201-20DL	A4CK6DL	Solid	Naphthalene		17.000	JD	1.2	19	ug/Kg
P3201-20DL	A4CK6DL	Solid	Phenanthrene		230.000	D	1.1	19	ug/Kg
P3201-20DL	A4CK6DL	Solid	Pyrene		150.000	D	1.4	19	ug/Kg
Total Svoc :				1,165.80					
Total Concentration:				1,165.80					

Client ID : A4BE7

P3238-04	A4BE7	Solid	Total Alkanes	*	0.000		1.2	8.9	ug/Kg
Total Tics :				0.00					
P3238-04	A4BE7	Solid	1-Methylnaphthalene		6.400		0.69	4.4	ug/Kg

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SDG No.: BM072224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3238-04	A4BE7	Solid	2-Methylnaphthalene	8.600		0.25	4.4	ug/Kg
P3238-04	A4BE7	Solid	Acenaphthene	36.000		0.24	4.4	ug/Kg
P3238-04	A4BE7	Solid	Acenaphthylene	13.000		0.44	4.4	ug/Kg
P3238-04	A4BE7	Solid	Anthracene	77.000	E	0.23	4.4	ug/Kg
P3238-04	A4BE7	Solid	Benzo(a)anthracene	230.000	E	0.12	4.4	ug/Kg
P3238-04	A4BE7	Solid	Benzo(a)pyrene	150.000	E	0.42	4.4	ug/Kg
P3238-04	A4BE7	Solid	Benzo(b)fluoranthene	310.000	E	0.62	4.4	ug/Kg
P3238-04	A4BE7	Solid	Benzo(g,h,i)perylene	18.000		0.99	4.4	ug/Kg
P3238-04	A4BE7	Solid	Benzo(k)fluoranthene	120.000	E	0.42	4.4	ug/Kg
P3238-04	A4BE7	Solid	Chrysene	230.000	E	0.33	4.4	ug/Kg
P3238-04	A4BE7	Solid	Dibenzo(a,h)anthracene	40.000		0.62	4.4	ug/Kg
P3238-04	A4BE7	Solid	Fluoranthene	590.000	E	0.24	4.4	ug/Kg
P3238-04	A4BE7	Solid	Fluorene	41.000		0.29	4.4	ug/Kg
P3238-04	A4BE7	Solid	Indeno(1,2,3-cd)pyrene	94.000	E	0.69	4.4	ug/Kg
P3238-04	A4BE7	Solid	Naphthalene	21.000		0.26	4.4	ug/Kg
P3238-04	A4BE7	Solid	Phenanthrene	470.000	E	0.24	4.4	ug/Kg
P3238-04	A4BE7	Solid	Pyrene	360.000	E	0.32	4.4	ug/Kg
Total Svoc :				2,815.00				
Total Concentration:				2,815.00				

Client ID : A4BF3

P3238-08	A4BF3	Solid	Total Alkanes	*	0.000	1.9	14	ug/Kg
Total Tics :					0.00			
P3238-08	A4BF3	Solid	1-Methylnaphthalene		9.900	1.1	7.1	ug/Kg
P3238-08	A4BF3	Solid	2-Methylnaphthalene		10.000	0.41	7.1	ug/Kg
P3238-08	A4BF3	Solid	Acenaphthene		77.000	0.39	7.1	ug/Kg
P3238-08	A4BF3	Solid	Acenaphthylene		27.000	0.71	7.1	ug/Kg
P3238-08	A4BF3	Solid	Anthracene		140.000	E 0.37	7.1	ug/Kg
P3238-08	A4BF3	Solid	Benzo(a)anthracene		610.000	E 0.2	7.1	ug/Kg
P3238-08	A4BF3	Solid	Benzo(a)pyrene		390.000	E 0.69	7.1	ug/Kg
P3238-08	A4BF3	Solid	Benzo(b)fluoranthene		820.000	E 1	7.1	ug/Kg
P3238-08	A4BF3	Solid	Benzo(g,h,i)perylene		39.000	1.6	7.1	ug/Kg
P3238-08	A4BF3	Solid	Benzo(k)fluoranthene		290.000	E 0.69	7.1	ug/Kg
P3238-08	A4BF3	Solid	Chrysene		700.000	E 0.54	7.1	ug/Kg
P3238-08	A4BF3	Solid	Dibenzo(a,h)anthracene		81.000	1	7.1	ug/Kg
P3238-08	A4BF3	Solid	Fluoranthene		1,800.000	E 0.39	7.1	ug/Kg
P3238-08	A4BF3	Solid	Fluorene		78.000	0.47	7.1	ug/Kg
P3238-08	A4BF3	Solid	Indeno(1,2,3-cd)pyrene		200.000	E 1.1	7.1	ug/Kg
P3238-08	A4BF3	Solid	Naphthalene		18.000	0.43	7.1	ug/Kg
P3238-08	A4BF3	Solid	Phenanthrene		1,000.000	E 0.39	7.1	ug/Kg
P3238-08	A4BF3	Solid	Pyrene		1,200.000	E 0.52	7.1	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM072224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Svoc :	7,489.90				
			Total Concentration:	7,489.90				
Client ID : A4BF4								
P3238-09	A4BF4	Solid	Total Alkanes	*	0.000	1.2	9.1	ug/Kg
			Total Tics :	0.00				
P3238-09	A4BF4	Solid	1-Methylnaphthalene	2.100	J	0.71	4.5	ug/Kg
P3238-09	A4BF4	Solid	2-Methylnaphthalene	2.600	J	0.26	4.5	ug/Kg
P3238-09	A4BF4	Solid	Acenaphthene	8.700		0.24	4.5	ug/Kg
P3238-09	A4BF4	Solid	Acenaphthylene	10.000		0.45	4.5	ug/Kg
P3238-09	A4BF4	Solid	Anthracene	29.000		0.23	4.5	ug/Kg
P3238-09	A4BF4	Solid	Benzo(a)anthracene	180.000	E	0.13	4.5	ug/Kg
P3238-09	A4BF4	Solid	Benzo(a)pyrene	130.000	E	0.43	4.5	ug/Kg
P3238-09	A4BF4	Solid	Benzo(b)fluoranthene	350.000	E	0.64	4.5	ug/Kg
P3238-09	A4BF4	Solid	Benzo(g,h,i)perylene	19.000		1	4.5	ug/Kg
P3238-09	A4BF4	Solid	Benzo(k)fluoranthene	120.000	E	0.43	4.5	ug/Kg
P3238-09	A4BF4	Solid	Chrysene	220.000	E	0.34	4.5	ug/Kg
P3238-09	A4BF4	Solid	Dibenzo(a,h)anthracene	41.000		0.64	4.5	ug/Kg
P3238-09	A4BF4	Solid	Fluoranthene	540.000	E	0.24	4.5	ug/Kg
P3238-09	A4BF4	Solid	Fluorene	9.500		0.3	4.5	ug/Kg
P3238-09	A4BF4	Solid	Indeno(1,2,3-cd)pyrene	100.000	E	0.71	4.5	ug/Kg
P3238-09	A4BF4	Solid	Naphthalene	4.900		0.27	4.5	ug/Kg
P3238-09	A4BF4	Solid	Phenanthrene	190.000	E	0.24	4.5	ug/Kg
P3238-09	A4BF4	Solid	Pyrene	310.000	E	0.33	4.5	ug/Kg
			Total Svoc :	2,266.80				
			Total Concentration:	2,266.80				
Client ID : A4BF8								
P3238-12	A4BF8	Solid	Total Alkanes	*	0.000	1.2	9	ug/Kg
			Total Tics :	0.00				
P3238-12	A4BF8	Solid	1-Methylnaphthalene	0.950	J	0.7	4.5	ug/Kg
P3238-12	A4BF8	Solid	2-Methylnaphthalene	1.200	J	0.26	4.5	ug/Kg
P3238-12	A4BF8	Solid	Acenaphthene	3.600	J	0.24	4.5	ug/Kg
P3238-12	A4BF8	Solid	Acenaphthylene	5.000		0.45	4.5	ug/Kg
P3238-12	A4BF8	Solid	Anthracene	11.000		0.23	4.5	ug/Kg
P3238-12	A4BF8	Solid	Benzo(a)anthracene	69.000		0.13	4.5	ug/Kg
P3238-12	A4BF8	Solid	Benzo(a)pyrene	56.000		0.43	4.5	ug/Kg
P3238-12	A4BF8	Solid	Benzo(b)fluoranthene	130.000	E	0.63	4.5	ug/Kg
P3238-12	A4BF8	Solid	Benzo(g,h,i)perylene	9.000		1	4.5	ug/Kg
P3238-12	A4BF8	Solid	Benzo(k)fluoranthene	44.000		0.43	4.5	ug/Kg
P3238-12	A4BF8	Solid	Chrysene	89.000	E	0.34	4.5	ug/Kg
P3238-12	A4BF8	Solid	Dibenzo(a,h)anthracene	16.000		0.63	4.5	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM072224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3238-12	A4BF8	Solid	Fluoranthene	190.000	E	0.24	4.5	ug/Kg
P3238-12	A4BF8	Solid	Fluorene	3.500	J	0.3	4.5	ug/Kg
P3238-12	A4BF8	Solid	Indeno(1,2,3-cd)pyrene	43.000		0.7	4.5	ug/Kg
P3238-12	A4BF8	Solid	Naphthalene	1.900	J	0.27	4.5	ug/Kg
P3238-12	A4BF8	Solid	Phenanthrene	69.000		0.24	4.5	ug/Kg
P3238-12	A4BF8	Solid	Pyrene	120.000	E	0.32	4.5	ug/Kg
Total Svoc :				862.15				
Total Concentration:				862.15				
Client ID : A4CG8								
P3238-18	A4CG8	Solid	Total Alkanes	*	0.000	1.3	9.5	ug/Kg
Total Tics :				0.00				
P3238-18	A4CG8	Solid	1-Methylnaphthalene		4.800	0.74	4.7	ug/Kg
P3238-18	A4CG8	Solid	2-Methylnaphthalene		6.000	0.27	4.7	ug/Kg
P3238-18	A4CG8	Solid	Acenaphthene		20.000	0.25	4.7	ug/Kg
P3238-18	A4CG8	Solid	Acenaphthylene		20.000	0.47	4.7	ug/Kg
P3238-18	A4CG8	Solid	Anthracene		50.000	0.24	4.7	ug/Kg
P3238-18	A4CG8	Solid	Benzo(a)anthracene		200.000	E 0.13	4.7	ug/Kg
P3238-18	A4CG8	Solid	Benzo(a)pyrene		150.000	E 0.45	4.7	ug/Kg
P3238-18	A4CG8	Solid	Benzo(b)fluoranthene		300.000	E 0.67	4.7	ug/Kg
P3238-18	A4CG8	Solid	Benzo(g,h,i)perylene		19.000	1.1	4.7	ug/Kg
P3238-18	A4CG8	Solid	Benzo(k)fluoranthene		110.000	E 0.45	4.7	ug/Kg
P3238-18	A4CG8	Solid	Chrysene		210.000	E 0.35	4.7	ug/Kg
P3238-18	A4CG8	Solid	Dibenzo(a,h)anthracene		37.000	0.67	4.7	ug/Kg
P3238-18	A4CG8	Solid	Fluoranthene		490.000	E 0.25	4.7	ug/Kg
P3238-18	A4CG8	Solid	Fluorene		20.000	0.31	4.7	ug/Kg
P3238-18	A4CG8	Solid	Indeno(1,2,3-cd)pyrene		95.000	E 0.74	4.7	ug/Kg
P3238-18	A4CG8	Solid	Naphthalene		11.000	0.28	4.7	ug/Kg
P3238-18	A4CG8	Solid	Phenanthrene		270.000	E 0.25	4.7	ug/Kg
P3238-18	A4CG8	Solid	Pyrene		310.000	E 0.34	4.7	ug/Kg
Total Svoc :				2,322.80				
Total Concentration:				2,322.80				
Client ID : A4CH4								
P3238-19	A4CH4	Solid	Total Alkanes	*	0.000	0.97	7.3	ug/Kg
Total Tics :				0.00				
P3238-19	A4CH4	Solid	1-Methylnaphthalene		4.300	0.57	3.6	ug/Kg
P3238-19	A4CH4	Solid	2-Methylnaphthalene		6.700	0.21	3.6	ug/Kg
P3238-19	A4CH4	Solid	Acenaphthene		7.400	0.2	3.6	ug/Kg
P3238-19	A4CH4	Solid	Acenaphthylene		20.000	0.36	3.6	ug/Kg
P3238-19	A4CH4	Solid	Anthracene		30.000	0.19	3.6	ug/Kg
P3238-19	A4CH4	Solid	Benzo(a)anthracene		100.000	E 0.1	3.6	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM072224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3238-19	A4CH4	Solid	Benzo(a)pyrene	77.000	E	0.35	3.6	ug/Kg
P3238-19	A4CH4	Solid	Benzo(b)fluoranthene	170.000	E	0.51	3.6	ug/Kg
P3238-19	A4CH4	Solid	Benzo(g,h,i)perylene	11.000		0.82	3.6	ug/Kg
P3238-19	A4CH4	Solid	Benzo(k)fluoranthene	57.000		0.35	3.6	ug/Kg
P3238-19	A4CH4	Solid	Chrysene	120.000	E	0.27	3.6	ug/Kg
P3238-19	A4CH4	Solid	Dibenzo(a,h)anthracene	22.000		0.51	3.6	ug/Kg
P3238-19	A4CH4	Solid	Fluoranthene	250.000	E	0.2	3.6	ug/Kg
P3238-19	A4CH4	Solid	Fluorene	9.400		0.24	3.6	ug/Kg
P3238-19	A4CH4	Solid	Indeno(1,2,3-cd)pyrene	56.000		0.57	3.6	ug/Kg
P3238-19	A4CH4	Solid	Naphthalene	13.000		0.22	3.6	ug/Kg
P3238-19	A4CH4	Solid	Phenanthrene	140.000	E	0.2	3.6	ug/Kg
P3238-19	A4CH4	Solid	Pyrene	160.000	E	0.26	3.6	ug/Kg
Total Svoc :				1,253.80				
Total Concentration:				1,253.80				

Client ID : A4CH5

P3238-20	A4CH5	Solid	Total Alkanes	*	0.000	0.93	7	ug/Kg
Total Tics :				0.00				
P3238-20	A4CH5	Solid	2-Methylnaphthalene		0.800	J 0.2	3.4	ug/Kg
P3238-20	A4CH5	Solid	Acenaphthene		1.000	J 0.19	3.4	ug/Kg
P3238-20	A4CH5	Solid	Acenaphthylene		2.300	J 0.34	3.4	ug/Kg
P3238-20	A4CH5	Solid	Anthracene		2.000	J 0.18	3.4	ug/Kg
P3238-20	A4CH5	Solid	Benzo(a)anthracene		8.500	0.1	3.4	ug/Kg
P3238-20	A4CH5	Solid	Benzo(a)pyrene		11.000	0.33	3.4	ug/Kg
P3238-20	A4CH5	Solid	Benzo(b)fluoranthene		15.000	0.49	3.4	ug/Kg
P3238-20	A4CH5	Solid	Benzo(g,h,i)perylene		8.700	0.78	3.4	ug/Kg
P3238-20	A4CH5	Solid	Benzo(k)fluoranthene		4.800	0.33	3.4	ug/Kg
P3238-20	A4CH5	Solid	Chrysene		11.000	0.26	3.4	ug/Kg
P3238-20	A4CH5	Solid	Dibenzo(a,h)anthracene		2.100	J 0.49	3.4	ug/Kg
P3238-20	A4CH5	Solid	Fluoranthene		19.000	0.19	3.4	ug/Kg
P3238-20	A4CH5	Solid	Fluorene		0.900	J 0.23	3.4	ug/Kg
P3238-20	A4CH5	Solid	Indeno(1,2,3-cd)pyrene		6.800	0.54	3.4	ug/Kg
P3238-20	A4CH5	Solid	Naphthalene		1.300	J 0.21	3.4	ug/Kg
P3238-20	A4CH5	Solid	Phenanthrene		11.000	0.19	3.4	ug/Kg
P3238-20	A4CH5	Solid	Pyrene		16.000	0.25	3.4	ug/Kg
Total Svoc :				122.20				
Total Concentration:				122.20				



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.: BM072224 SAS No.: BM072224 SDG NO.: BM072224

EPA Sample No.: SSTD0.4038

Date Analyzed: Jul 22 2024 12:00AM

Lab File ID: BM046501.D

Time Analyzed: 11:04

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	SBLK090	3128	7.49	8540	10.24	5494	14.13
02	A4BE7	2700	7.49	7162	10.24	4591	14.13
03	A4BF4	2746	7.49	7263	10.24	4672	14.13
04	A4BF8	3857 *	7.49	8241	10.24	8264 *	14.13
05	A4CG8	4786 *	7.49	7707	10.24	5242	14.13
06	A4BF3	2997	7.48	10257 *	10.24	5604	14.13
07	A4CH4	5115 *	7.49	9061	10.24	5983 *	14.13
08	A4CH5	3265	7.49	8896	10.24	5827	14.13
09	A4CJ9	2700	7.49	7144	10.24	4610	14.13
10	A4CK6DL	2964	7.48	7708	10.24	4800	14.13
11	SBLK090	2583	7.48	6910	10.24	5780	14.13
12	A4BY7DL	4831 *	7.49	11658 *	10.24	4442	14.13
13	A4CK1DL	3243	7.48	8648	10.24	5784	14.13
14	A4CJ3DL	3492	7.49	13267 *	10.24	5582	14.13
15	A4BY8DL	4454 *	7.48	11897 *	10.24	7321 *	14.13
16	A4BY9DL	6831 *	7.48	19621 *	10.24	11098 *	14.13
17	A4CJ0DL	3287	7.48	8677	10.24	5525	14.13
18	A4BZ2DL	4616 *	7.48	8855	10.24	5594	14.13
19	A4BZ3DL	3703	7.48	9548 *	10.24	6011 *	14.12
20	A4BZ4DL	3018	7.48	7886	10.24	5066	14.12
21	A4CH9DL	3278	7.48	8571	10.24	5265	14.13
22	A4CH7DL	3308	7.48	8455	10.24	5131	14.12



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM072224 SAS No.: BM072224 SDG NO.: BM072224

EPA Sample No.: SSTD0.4038 Date Analyzed: Jul 23 2024 12:00AM

Lab File ID: BM046501.D Time Analyzed: 03:08

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM072224 SAS No.: BM072224 SDG NO.: BM072224

EPA Sample No.: SSTD0.4177 Date Analyzed: Jul 22 2024 12:00AM

Lab File ID: BM046744.D Time Analyzed: 11:04

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	2349	7.484	5782	10.24	5606	14.13
UPPER LIMIT	4698	7.984	11564	10.743	11212	14.627
LOWER LIMIT	1174.5	6.984	2891	9.743	2803	13.627
EPA SAMPLE NO.						
01 SBLK090	3128	7.49	8540	10.24	5494	14.13
02 A4BE7	2700	7.49	7162	10.24	4591	14.13
03 A4BF4	2746	7.49	7263	10.24	4672	14.13
04 A4BF8	3857	7.49	8241	10.24	8264	14.13
05 A4CG8	4786 *	7.49	7707	10.24	5242	14.13
06 A4BF3	2997	7.48	10257	10.24	5604	14.13
07 A4CH4	5115 *	7.49	9061	10.24	5983	14.13
08 A4CH5	3265	7.49	8896	10.24	5827	14.13
09 A4CJ9	2700	7.49	7144	10.24	4610	14.13
10 A4CK6DL	2964	7.48	7708	10.24	4800	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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM072224 SAS No.: BM072224 SDG NO.: BM072224

EPA Sample No.: SSTD0.4178 Date Analyzed: Jul 22 2024 12:00AM

Lab File ID: BM046755.D Time Analyzed: 17:49

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	2648	7.484	6683	10.24	3926	14.13
UPPER LIMIT	5296	7.984	13366	10.738	7852	14.627
LOWER LIMIT	1324	6.984	3341.5	9.738	1963	13.627
EPA SAMPLE NO.						
01 SBLK090	2583	7.48	6910	10.24	5780	14.13
02 A4BY7DL	4831	7.49	11658	10.24	4442	14.13
03 A4CK1DL	3243	7.48	8648	10.24	5784	14.13
04 A4CJ3DL	3492	7.49	13267	10.24	5582	14.13
05 A4BY8DL	4454	7.48	11897	10.24	7321	14.13
06 A4BY9DL	6831 *	7.48	19621 *	10.24	11098 *	14.13
07 A4CJ0DL	3287	7.48	8677	10.24	5525	14.13
08 A4BZ2DL	4616	7.48	8855	10.24	5594	14.13
09 A4BZ3DL	3703	7.48	9548	10.24	6011	14.12
10 A4BZ4DL	3018	7.48	7886	10.24	5066	14.12
11 A4CH9DL	3278	7.48	8571	10.24	5265	14.13
12 A4CH7DL	3308	7.48	8455	10.24	5131	14.12

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM072224 SAS No.: BM072224 SDG NO.: BM072224

EPA Sample No.: SSTD0.4038 Date Analyzed: Jul 22 2024 12:00AM

Lab File ID: BM046501.D Time Analyzed: 11:04

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	SBLK090	11994	16.88	10484	21.09	12499	23.23
02	A4BE7	9976	16.88	9515	21.09	10020	23.23
03	A4BF4	9687	16.88	10720	21.09	8632	23.23
04	A4BF8	11996	16.88	9953	21.09	10082	23.23
05	A4CG8	11477	16.88	9616	21.09	9643	23.23
06	A4BF3	12566 *	16.88	8801	21.09	12455	23.23
07	A4CH4	13007 *	16.88	9666	21.09	10224	23.23
08	A4CH5	12590 *	16.88	10151	21.09	10331	23.23
09	A4CJ9	9926	16.88	8307	21.09	8664	23.23
10	A4CK6DL	9888	16.88	8532	21.09	13269	23.22
11	SBLK090	8976	16.88	7542	21.09	7371	23.23
12	A4BY7DL	9113	16.88	8453	21.09	9679	23.22
13	A4CK1DL	12772 *	16.88	11734 *	21.09	12932	23.22
14	A4CJ3DL	11758	16.88	10158	21.10	0 *	0.00
15	A4BY8DL	15191 *	16.88	13494 *	21.09	12498	23.23
16	A4BY9DL	20423 *	16.88	10932 *	21.09	11952	23.22
17	A4CJ0DL	14203 *	16.88	9378	21.09	10452	23.22
18	A4BZ2DL	11701	16.88	9359	21.09	10307	23.22
19	A4BZ3DL	12315 *	16.88	10095	21.09	11556	23.22
20	A4BZ4DL	10711	16.88	9093	21.09	10278	23.22
21	A4CH9DL	17542 *	16.88	13833 *	21.09	15701 *	23.22

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM072224 SAS No.: BM072224 SDG NO.: BM072224

EPA Sample No.: SSTD0.4038 Date Analyzed: Jul 23 2024 12:00AM

Lab File ID: BM046501.D Time Analyzed: 03:08

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	6121	16.913	5430	21.119	6721	23.267
UPPER LIMIT	12242	17.413	10860	21.619	13442	23.767
LOWER LIMIT	3060.5	16.413	2715	20.619	3360.5	22.767
EPA SAMPLE NO.						
22 A4CH7DL	10511	16.88	8682	21.09	9890	23.22

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.: BM072224 SAS No.: BM072224 SDG NO.: BM072224

EPA Sample No.: SSTD0.4177 Date Analyzed: Jul 22 2024 12:00AM

Lab File ID: BM046744.D Time Analyzed: 11:04

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	7187	16.884	7237	21.093	7676	23.232
	UPPER LIMIT	14374	17.384	14474	21.593	15352	23.732
	LOWER LIMIT	3593.5	16.384	3618.5	20.593	3838	22.732
	EPA SAMPLE NO.						
	SBLK090	11994	16.88	10484	21.09	12499	23.23
	A4BE7	9976	16.88	9515	21.09	10020	23.23
	A4BF4	9687	16.88	10720	21.09	8632	23.23
	A4BF8	11996	16.88	9953	21.09	10082	23.23
	A4CG8	11477	16.88	9616	21.09	9643	23.23
	A4BF3	12566	16.88	8801	21.09	12455	23.23
01	A4CH4	13007	16.88	9666	21.09	10224	23.23
02	A4CH5	12590	16.88	10151	21.09	10331	23.23
03	A4CJ9	9926	16.88	8307	21.09	8664	23.23
04	A4CK6DL	9888	16.88	8532	21.09	13269	23.22

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.: BM072224 SAS No.: BM072224 SDG NO.: BM072224

EPA Sample No.: SSTD0.4178 Date Analyzed: Jul 22 2024 12:00AM

Lab File ID: BM046755.D Time Analyzed: 17:49

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	7961	16.884	6721	21.093	7764	23.226
	UPPER LIMIT	15922	17.384	13442	21.593	15528	23.726
	LOWER LIMIT	3980.5	16.384	3360.5	20.593	3882	22.726
	EPA SAMPLE NO.						
01	SBLK090	8976	16.88	7542	21.09	7371	23.23
02	A4BY7DL	9113	16.88	8453	21.09	9679	23.22
03	A4CK1DL	12772	16.88	11734	21.09	12932	23.22
04	A4CJ3DL	11758	16.88	10158	21.10	0 *	0.00 *
05	A4BY8DL	15191	16.88	13494 *	21.09	12498	23.23
06	A4BY9DL	20423 *	16.88	10932	21.09	11952	23.22
07	A4CJ0DL	14203	16.88	9378	21.09	10452	23.22
08	A4BZ2DL	11701	16.88	9359	21.09	10307	23.22
09	A4BZ3DL	12315	16.88	10095	21.09	11556	23.22
10	A4BZ4DL	10711	16.88	9093	21.09	10278	23.22
11	A4CH9DL	17542 *	16.88	13833 *	21.09	15701 *	23.22
12	A4CH7DL	10511	16.88	8682	21.09	9890	23.22

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.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

A4CJ9

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM072224

SAS No.: BM072224 SDG NO.: BM072224

Lab File ID: BM046753.D

Lab Sample ID: P3201-18

Instrument ID: BNA_M

Date Extracted: 07/15/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/22/2024

Level: (low/med) LOW

Time Analyzed: 15:58

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
A4CJ9	P3201-18	BM046753.D	07/22/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK090

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM072224

SAS No.: BM072224 SDG NO.: BM072224

Lab File ID: BM046756.D

Lab Sample ID: PB162090BL

Instrument ID: BNA_M

Date Extracted: 07/16/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/22/2024

Level: (low/med) LOW

Time Analyzed: 17:49

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
A4BE7	P3238-04	BM046746.D	07/22/2024
A4BF4	P3238-09	BM046747.D	07/22/2024
A4BF8	P3238-12	BM046748.D	07/22/2024
A4CG8	P3238-18	BM046749.D	07/22/2024
A4BF3	P3238-08	BM046750.D	07/22/2024
A4CH4	P3238-19	BM046751.D	07/22/2024
A4CH5	P3238-20	BM046752.D	07/22/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: **BM072224**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3201-01DL	A4BY7DL	BM046757.D	1,4-Dioxane-d8	8	1.81	23		15	120
			Fluoranthene-d10	0.4	0.22	54		30	130
			2-Methylnaphthalene-d10	0.4	0.14	34		20	140
P3201-02DL	A4BY8DL	BM046760.D	1,4-Dioxane-d8	8	3.02	38		15	120
			Fluoranthene-d10	0.4	0.19	47		30	130
			2-Methylnaphthalene-d10	0.4	0.20	50		20	140
P3201-03DL	A4BY9DL	BM046761.D	1,4-Dioxane-d8	8	1.31	16		15	120
			Fluoranthene-d10	0.4	0.18	45		30	130
			2-Methylnaphthalene-d10	0.4	0.16	40		20	140
P3201-04DL	A4BZ2DL	BM046763.D	1,4-Dioxane-d8	8	2.77	35		15	120
			Fluoranthene-d10	0.4	0.25	63		30	130
			2-Methylnaphthalene-d10	0.4	0.25	61		20	140
P3201-05DL	A4BZ3DL	BM046764.D	1,4-Dioxane-d8	8	2.51	31		15	120
			Fluoranthene-d10	0.4	0.19	46		30	130
			2-Methylnaphthalene-d10	0.4	0.19	46		20	140
P3201-06DL	A4BZ4DL	BM046765.D	1,4-Dioxane-d8	8	2.60	32		15	120
			Fluoranthene-d10	0.4	0.18	44		30	130
			2-Methylnaphthalene-d10	0.4	0.18	44		20	140
P3201-13DL	A4CH7DL	BM046767.D	1,4-Dioxane-d8	8	2.06	26		15	120
			Fluoranthene-d10	0.4	0.16	39		30	130
			2-Methylnaphthalene-d10	0.4	0.14	35		20	140
P3201-15DL	A4CH9DL	BM046766.D	1,4-Dioxane-d8	8	2.66	33		15	120
			Fluoranthene-d10	0.4	0.21	52		30	130
			2-Methylnaphthalene-d10	0.4	0.19	46		20	140
P3201-16DL	A4CJ0DL	BM046762.D	1,4-Dioxane-d8	8	3.38	42		15	120
			Fluoranthene-d10	0.4	0.25	61		30	130
			2-Methylnaphthalene-d10	0.4	0.25	61		20	140
P3201-17DL	A4CJ3DL	BM046759.D	1,4-Dioxane-d8	8	2.56	32		15	120
			Fluoranthene-d10	0.4	0.19	47		30	130
			2-Methylnaphthalene-d10	0.4	0.12	30		20	140
P3201-18	A4CJ9	BM046753.D	1,4-Dioxane-d8	8	4.12	52		15	120
			Fluoranthene-d10	0.4	0.25	63		30	130
			2-Methylnaphthalene-d10	0.4	0.27	68		20	140
P3201-19DL	A4CK1DL	BM046758.D	1,4-Dioxane-d8	8	2.95	37		15	120
			Fluoranthene-d10	0.4	0.19	47		30	130
			2-Methylnaphthalene-d10	0.4	0.21	52		20	140
P3201-20DL	A4CK6DL	BM046754.D	1,4-Dioxane-d8	8	4.10	51		15	120
			Fluoranthene-d10	0.4	0.29	71		30	130
			2-Methylnaphthalene-d10	0.4	0.29	71		20	140

Surrogate Summary

SW-846

SDG No.: **BM072224**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3238-04	A4BE7	BM046746.D	1,4-Dioxane-d8	8	2.37	30		15	120
			Fluoranthene-d10	0.4	0.15	38		30	130
			2-Methylnaphthalene-d10	0.4	0.16	39		20	140
P3238-08	A4BF3	BM046750.D	1,4-Dioxane-d8	8	2.45	31		15	120
			Fluoranthene-d10	0.4	0.22	56		30	130
			2-Methylnaphthalene-d10	0.4	0.15	38		20	140
P3238-09	A4BF4	BM046747.D	1,4-Dioxane-d8	8	2.49	31		15	120
			Fluoranthene-d10	0.4	0.19	49		30	130
			2-Methylnaphthalene-d10	0.4	0.17	43		20	140
P3238-12	A4BF8	BM046748.D	1,4-Dioxane-d8	8	1.55	19		15	120
			Fluoranthene-d10	0.4	0.16	41		30	130
			2-Methylnaphthalene-d10	0.4	0.15	38		20	140
P3238-18	A4CG8	BM046749.D	1,4-Dioxane-d8	8	1.57	20		15	120
			Fluoranthene-d10	0.4	0.19	48		30	130
			2-Methylnaphthalene-d10	0.4	0.19	47		20	140
P3238-19	A4CH4	BM046751.D	1,4-Dioxane-d8	8	1.42	18		15	120
			Fluoranthene-d10	0.4	0.20	50		30	130
			2-Methylnaphthalene-d10	0.4	0.18	44		20	140
P3238-20	A4CH5	BM046752.D	1,4-Dioxane-d8	8	2.50	31		15	120
			Fluoranthene-d10	0.4	0.20	49		30	130
			2-Methylnaphthalene-d10	0.4	0.19	47		20	140
PB162090BL	PB162090BL	BM046756.D	1,4-Dioxane-d8	8	4.99	62		15	120
		BM046745.D	1,4-Dioxane-d8	8	4.09	51		15	120
			Fluoranthene-d10	0.4	0.22	54		30	130
		BM046756.D	Fluoranthene-d10	0.4	0.28	70		30	130
			2-Methylnaphthalene-d10	0.4	0.28	70		20	140
		BM046745.D	2-Methylnaphthalene-d10	0.4	0.23	57		20	140

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM072224

Lab Code: CHEM

SAS No.: BM072224

SDG NO.: BM072224

Lab File ID: BM046743.D

DFTPP Injection Date: 07/22/2024

Instrument ID: BNA_M

DFTPP Injection Time: 08:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.8
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	41.2
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	31.7
365	Greater than 1% of mass 198	4.7
441	Present, but less than mass 443	9.8
442	Greater than 50% of mass 198	62.4
443	15.0 - 24.0% of mass 442	11.7 (18.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD0.4177	SSTDCCC0.4	BM046744.D	07/22/2024	10:28
SBLK090	PB162090BL	BM046745.D	07/22/2024	11:04
A4BE7	P3238-04	BM046746.D	07/22/2024	11:41
A4BF4	P3238-09	BM046747.D	07/22/2024	12:18
A4BF8	P3238-12	BM046748.D	07/22/2024	12:54
A4CG8	P3238-18	BM046749.D	07/22/2024	13:31
A4BF3	P3238-08	BM046750.D	07/22/2024	14:08
A4CH4	P3238-19	BM046751.D	07/22/2024	14:44
A4CH5	P3238-20	BM046752.D	07/22/2024	15:21
A4CJ9	P3201-18	BM046753.D	07/22/2024	15:58
A4CK6DL	P3201-20DL	BM046754.D	07/22/2024	16:35
SSTD0.4178	SSTDCCC0.4	BM046755.D	07/22/2024	17:12
SBLK090	PB162090BL	BM046756.D	07/22/2024	17:49
A4BY7DL	P3201-01DL	BM046757.D	07/22/2024	18:26
A4CK1DL	P3201-19DL	BM046758.D	07/22/2024	19:03
A4CJ3DL	P3201-17DL	BM046759.D	07/22/2024	19:39
A4BY8DL	P3201-02DL	BM046760.D	07/22/2024	22:54
A4BY9DL	P3201-03DL	BM046761.D	07/22/2024	23:30

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM072224

Lab Code: CHEM

SAS No.: BM072224 SDG NO.: BM072224

Lab File ID: BM046743.D

DFTPP Injection Date: 07/22/2024

Instrument ID: BNA_M

DFTPP Injection Time: 08:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.8
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	41.2
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	31.7
365	Greater than 1% of mass 198	4.7
441	Present, but less than mass 443	9.8
442	Greater than 50% of mass 198	62.4
443	15.0 - 24.0% of mass 442	11.7 (18.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
A4CJ0DL	P3201-16DL	BM046762.D	07/23/2024	00:07
A4BZ2DL	P3201-04DL	BM046763.D	07/23/2024	00:43
A4BZ3DL	P3201-05DL	BM046764.D	07/23/2024	01:19
A4BZ4DL	P3201-06DL	BM046765.D	07/23/2024	01:56
A4CH9DL	P3201-15DL	BM046766.D	07/23/2024	02:32
A4CH7DL	P3201-13DL	BM046767.D	07/23/2024	03:08
SSTD0.4179	SSTDCCC0.4EC	BM046768.D	07/23/2024	03:44