

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM050324 SAS No.: BM050324 SDG No.: BM050324
Instrument ID: BNA_M Calibration Date/Time: 5/3/2024 12:04:00
Lab File ID: BM045687.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD0.4109 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.469	0.539	0.010	14.8586	40.0
1,4-Dioxane-d8	0.453	0.436	0.010	-3.6888	40.0
Naphthalene	1.019	0.910	0.600	-10.7304	30.0
1-Methylnaphthalene	0.683	0.642	0.300	-6.0086	30.0
2-Methylnaphthalene	0.617	0.610	0.300	-1.11	30.0
Acenaphthylene	1.680	1.580	0.900	-5.9294	30.0
Acenaphthene	1.246	1.154	0.500	-7.4014	30.0
Fluorene	1.444	1.297	0.700	-10.1675	30.0
Pentachlorophenol	0.071	0.072	0.010	1.129	50.0
Phenanthrene	0.994	0.912	0.300	-8.2161	30.0
Anthracene	0.964	0.893	0.400	-7.3336	30.0
Fluoranthene	1.271	1.187	0.400	-6.6201	30.0
Pyrene	1.352	1.239	0.500	-8.3416	30.0
Benzo (a) anthracene	1.167	1.075	0.400	-7.927	30.0
Chrysene	1.653	1.435	0.400	-13.1462	30.0
Benzo (b) fluoranthene	1.114	1.045	0.200	-6.1752	30.0
Benzo (k) fluoranthene	1.379	1.258	0.200	-8.7665	30.0
Benzo (a) pyrene	1.235	1.111	0.200	-10.0004	30.0
Indeno (1,2,3-cd) pyrene	1.701	1.572	0.200	-7.5868	30.0
Dibenzo (a,h) anthracene	1.360	1.270	0.200	-6.6373	30.0
Benzo (g,h,i) perylene	1.508	1.368	0.200	-9.2757	30.0
Fluoranthene-d10	1.004	0.947	0.400	-5.696	30.0
2-Methylnaphthalene-d10	0.632	0.559	0.300	-11.5792	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.: BM050324 SAS No.: BM050324 SDG No.: BM050324
Instrument ID: BNA_M Calibration Date/Time: 5/3/2024 12:14:02
Lab File ID: BM045694.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD0.4110 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.469	0.502	0.010	6.9515	40.0
1,4-Dioxane-d8	0.453	0.517	0.010	14.1836	40.0
Naphthalene	1.019	0.901	0.600	-11.6004	30.0
1-Methylnaphthalene	0.683	0.659	0.300	-3.5058	30.0
2-Methylnaphthalene	0.617	0.604	0.300	-2.1142	30.0
Acenaphthylene	1.680	1.502	0.900	-10.6173	30.0
Acenaphthene	1.246	1.092	0.500	-12.3626	30.0
Fluorene	1.444	1.283	0.700	-11.1077	30.0
Pentachlorophenol	0.071	0.063	0.010	-11.712	50.0
Phenanthrene	0.994	0.900	0.300	-9.391	30.0
Anthracene	0.964	0.907	0.400	-5.9279	30.0
Fluoranthene	1.271	1.179	0.400	-7.2335	30.0
Pyrene	1.352	1.258	0.500	-6.9834	30.0
Benzo (a) anthracene	1.167	1.175	0.400	0.6066	30.0
Chrysene	1.653	1.462	0.400	-11.5018	30.0
Benzo (b) fluoranthene	1.114	1.029	0.200	-7.6841	30.0
Benzo (k) fluoranthene	1.379	1.271	0.200	-7.8688	30.0
Benzo (a) pyrene	1.235	1.085	0.200	-12.1674	30.0
Indeno (1,2,3-cd) pyrene	1.701	1.502	0.200	-11.7162	30.0
Dibenzo (a,h) anthracene	1.360	1.215	0.200	-10.6309	30.0
Benzo (g,h,i) perylene	1.508	1.283	0.200	-14.9237	30.0
Fluoranthene-d10	1.004	0.938	0.400	-6.5856	30.0
2-Methylnaphthalene-d10	0.632	0.562	0.300	-11.0494	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.: BM050324 SAS No.: BM050324 SDG No.: BM050324
Instrument ID: BNA_M Calibration Date/Time: 5/3/2024 12:20:07
Lab File ID: BM045703.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD0.4111 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.469	0.452	0.010	-3.7853	50.0
1,4-Dioxane-d8	0.453	0.497	0.010	9.7364	50.0
Naphthalene	1.019	1.081	0.600	6.0767	50.0
1-Methylnaphthalene	0.683	0.716	0.300	4.8096	50.0
2-Methylnaphthalene	0.617	0.682	0.300	10.5993	50.0
Acenaphthylene	1.680	1.714	0.900	1.9993	50.0
Acenaphthene	1.246	1.263	0.500	1.3943	50.0
Fluorene	1.444	1.437	0.700	-0.5061	50.0
Pentachlorophenol	0.071	0.070	0.010	-1.6641	50.0
Phenanthrene	0.994	1.048	0.300	5.4524	50.0
Anthracene	0.964	0.998	0.400	3.5301	50.0
Fluoranthene	1.271	1.273	0.400	0.1857	50.0
Pyrene	1.352	1.342	0.500	-0.7181	50.0
Benzo (a) anthracene	1.167	1.240	0.400	6.205	50.0
Chrysene	1.653	1.536	0.400	-7.0297	50.0
Benzo (b) fluoranthene	1.114	1.234	0.200	10.7967	50.0
Benzo (k) fluoranthene	1.379	1.336	0.200	-3.1535	50.0
Benzo (a) pyrene	1.235	1.246	0.200	0.937	50.0
Indeno (1,2,3-cd) pyrene	1.701	1.803	0.200	5.9801	50.0
Dibenzo (a,h) anthracene	1.360	1.421	0.200	4.4791	50.0
Benzo (g,h,i) perylene	1.508	1.532	0.200	1.5906	50.0
Fluoranthene-d10	1.004	1.010	0.400	0.5833	50.0
2-Methylnaphthalene-d10	0.632	0.662	0.300	4.7628	50.0

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.: BM050324 SAS No.: BM050324 SDG No.: BM050324
Instrument ID: BNA_M Calibration Date/Time: 5/2/2024 12:20:37
Lab File ID: BM045677.D Init. Calib. Date(s): _____
EPA Sample No.: SICV042 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.469	0.586	0.010	24.9499	40.0
1,4-Dioxane-d8	0.453	0.532	0.010	17.4313	40.0
Naphthalene	1.019	1.078	0.600	5.7769	30.0
1-Methylnaphthalene	0.683	0.665	0.300	-2.5695	30.0
2-Methylnaphthalene	0.617	0.700	0.300	13.4186	30.0
Acenaphthylene	1.680	1.907	0.900	13.503	30.0
Acenaphthene	1.246	1.373	0.500	10.1956	30.0
Fluorene	1.444	1.587	0.700	9.9415	30.0
Pentachlorophenol	0.071	0.067	0.010	-5.5161	50.0
Phenanthrene	0.994	1.168	0.300	17.5881	30.0
Anthracene	0.964	1.157	0.400	19.9627	30.0
Fluoranthene	1.271	1.418	0.400	11.5601	30.0
Pyrene	1.352	1.571	0.500	16.1993	30.0
Benzo (a) anthracene	1.167	1.249	0.400	7.0035	30.0
Chrysene	1.653	1.912	0.400	15.679	30.0
Benzo (b) fluoranthene	1.114	1.231	0.200	10.4642	30.0
Benzo (k) fluoranthene	1.379	1.529	0.200	10.8789	30.0
Benzo (a) pyrene	1.235	1.339	0.200	8.4521	30.0
Indeno (1,2,3-cd) pyrene	1.701	1.942	0.200	14.1859	30.0
Dibenzo (a,h) anthracene	1.360	1.520	0.200	11.759	30.0
Benzo (g,h,i) perylene	1.508	1.662	0.200	10.2231	30.0
Fluoranthene-d10	1.004	1.149	0.400	14.414	30.0
2-Methylnaphthalene-d10	0.632	0.643	0.300	1.7334	30.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	PB16060043	SDG No.:	BM050324
Lab Sample ID:	PB160600BL	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000000 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
BM045678.D	1		5/2/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	29	U	29	0	200	ug/L
91-20-3	Naphthalene	4.3	U	4.3	50	100	ug/L
90-12-0	1-Methylnaphthalene	15	U	15	50	100	ug/L
91-57-6	2-Methylnaphthalene	5.3	U	5.3	50	100	ug/L
208-96-8	Acenaphthylene	12	U	12	50	100	ug/L
83-32-9	Acenaphthene	7.4	U	7.4	50	100	ug/L
86-73-7	Fluorene	6.7	U	6.7	50	100	ug/L
87-86-5	Pentachlorophenol	63	U	63	100	200	ug/L
85-01-8	Phenanthrene	6.8	U	6.8	50	100	ug/L
120-12-7	Anthracene	8	U	8	50	100	ug/L
206-44-0	Fluoranthene	7.9	U	7.9	50	100	ug/L
129-00-0	Pyrene	6	U	6	50	100	ug/L
56-55-3	Benzo(a)anthracene	3.6	U	3.6	50	100	ug/L
218-01-9	Chrysene	7.7	U	7.7	50	100	ug/L
205-99-2	Benzo(b)fluoranthene	13	U	13	50	100	ug/L
207-08-9	Benzo(k)fluoranthene	9.8	U	9.8	50	100	ug/L
50-32-8	Benzo(a)pyrene	17	U	17	50	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	17	U	17	50	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	14	U	14	50	100	ug/L
191-24-2	Benzo(g,h,i)perylene	22	U	22	50	100	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5354	*	15-120		66925	SPK: -8
93951-69-0	Fluoranthene-d10	325	*	30-130		81250	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	266	*	30-130		66500	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	307		7.53			
1146-65-2	Naphthalene-d8	975		10.292			
15067-26-2	Acenaphthene-d10	625		14.178			

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	PB16060043			SDG No.:	BM050324		
Lab Sample ID:	PB160600BL			Matrix:	Water		
Analytical Method:	SFAM_SVOASIM			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000	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
BM045678.D	1		5/2/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1407	16.942				
1719-03-5	Chrysene-d12	1334	21.195				
1520-96-3	Perylene-d12	1201	23.358				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	29	U			99	ug/L

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	SBLK612	SDG No.:	BM050324
Lab Sample ID:	PB160612BL	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045679.D	1	4/29/2024 12:00:00 AM	5/2/2024 12:00:00 AM	PB160612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.029	U	0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.514		15-120		56	SPK: -8
93951-69-0	Fluoranthene-d10	0.259		30-130		65	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.217		30-130		54	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	361		7.526			
1146-65-2	Naphthalene-d8	1139		10.286			
15067-26-2	Acenaphthene-d10	705		14.177			

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	SBLK612	SDG No.:	BM050324
Lab Sample ID:	PB160612BL	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045679.D	1	4/29/2024 12:00:00 AM	5/2/2024 12:00:00 AM	PB160612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1666	16.942				
1719-03-5	Chrysene-d12	1613	21.193				
1520-96-3	Perylene-d12	1587	23.356				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	4/20/2024 12:00:00 AM
Project:		Date Received:	4/20/2024 12:00:00 AM
Client Sample ID:	SLCS416	SDG No.:	BM050324
Lab Sample ID:	PB160416BS	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045680.D	1	4/20/2024 12:00:00 AM	5/2/2024 12:00:00 AM	PB160416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.5		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.36		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.33		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.35		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.35		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.34		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.35		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.74		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.41		0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.4		0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.38		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.4		0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.39		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.39		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.37		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.38		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.36		0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.37		0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.37		0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.37		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.667		15-120		83	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.381		30-130		95	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.327		30-130		82	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	278		7.542			
1146-65-2	Naphthalene-d8	775		10.336			
15067-26-2	Acenaphthene-d10	509		14.196			

Report of Analysis

Client:		Date Collected:	4/20/2024 12:00:00 AM
Project:		Date Received:	4/20/2024 12:00:00 AM
Client Sample ID:	SLCS416	SDG No.:	BM050324
Lab Sample ID:	PB160416BS	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045680.D	1	4/20/2024 12:00:00 AM	5/2/2024 12:00:00 AM	PB160416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1065	17.077				
1719-03-5	Chrysene-d12	1119	21.184				
1520-96-3	Perylene-d12	1646	23.373				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	SLCS612	SDG No.:	BM050324
Lab Sample ID:	PB160612BS	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045681.D	1	4/29/2024 12:00:00 AM	5/2/2024 12:00:00 AM	PB160612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.8		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.36		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.35		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.35		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.34		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.36		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.35		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.68		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.38		0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.36		0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.36		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.36		0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.34		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.38		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.38		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.37		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.36		0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.37		0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.37		0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.37		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.94		15-120		117	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.355		30-130		89	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.327		30-130		82	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	217		7.555			
1146-65-2	Naphthalene-d8	725		10.336			
15067-26-2	Acenaphthene-d10	479		14.196			

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	SLCS612	SDG No.:	BM050324
Lab Sample ID:	PB160612BS	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045681.D	1	4/29/2024 12:00:00 AM	5/2/2024 12:00:00 AM	PB160612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1073	16.971				
1719-03-5	Chrysene-d12	1111	21.187				
1520-96-3	Perylene-d12	1510	23.37				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	4/26/2024 12:00:00 AM
Project:		Date Received:	4/26/2024 12:00:00 AM
Client Sample ID:	C0AR1	SDG No.:	BM050324
Lab Sample ID:	P2251-07	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045682.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.6		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.58		15-120		45	SPK: -8
93951-69-0	Fluoranthene-d10	0.351		30-130		88	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.287		30-130		72	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	279		7.53			
1146-65-2	Naphthalene-d8	899		10.287			
15067-26-2	Acenaphthene-d10	573		14.177			

Report of Analysis

Client:		Date Collected:	4/26/2024 12:00:00 AM
Project:		Date Received:	4/26/2024 12:00:00 AM
Client Sample ID:	C0AR1	SDG No.:	BM050324
Lab Sample ID:	P2251-07	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045682.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1298	16.942				
1719-03-5	Chrysene-d12	1303	21.187				
1520-96-3	Perylene-d12	1366	23.356				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	4/26/2024 12:00:00 AM
Project:		Date Received:	4/26/2024 12:00:00 AM
Client Sample ID:	C0AR3	SDG No.:	BM050324
Lab Sample ID:	P2251-08	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045683.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.029	U	0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.548		15-120		44	SPK: -8
93951-69-0	Fluoranthene-d10	0.371		30-130		93	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.29		30-130		72	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	286		7.526			
1146-65-2	Naphthalene-d8	866		10.286			
15067-26-2	Acenaphthene-d10	565		14.172			

Report of Analysis

Client:		Date Collected:	4/26/2024 12:00:00 AM
Project:		Date Received:	4/26/2024 12:00:00 AM
Client Sample ID:	C0AR3	SDG No.:	BM050324
Lab Sample ID:	P2251-08	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045683.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1255	16.942				
1719-03-5	Chrysene-d12	1246	21.19				
1520-96-3	Perylene-d12	1206	23.359				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	4/26/2024 12:00:00 AM
Project:		Date Received:	4/26/2024 12:00:00 AM
Client Sample ID:	C0AR4	SDG No.:	BM050324
Lab Sample ID:	P2251-09	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045684.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.7		0.03	0	0.2	ug/L
91-20-3	Naphthalene	0	U	0	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.02	U	0.02	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.01	U	0.01	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.01	U	0.01	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.01	U	0.01	0.05	0.1	ug/L
86-73-7	Fluorene	0.01	U	0.01	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.06	U	0.06	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.01	U	0.01	0.05	0.1	ug/L
120-12-7	Anthracene	0.01	U	0.01	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.01	U	0.01	0.05	0.1	ug/L
129-00-0	Pyrene	0.01	U	0.01	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0	U	0	0.05	0.1	ug/L
218-01-9	Chrysene	0.01	U	0.01	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.01	U	0.01	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.01	U	0.01	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.02	U	0.02	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.02	U	0.02	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.01	U	0.01	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.02	U	0.02	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.869		15-120		61	SPK: -8
93951-69-0	Fluoranthene-d10	0.395		30-130		99	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.322		30-130		81	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	285		7.526			
1146-65-2	Naphthalene-d8	882		10.286			
15067-26-2	Acenaphthene-d10	590		14.172			

Report of Analysis

Client:		Date Collected:	4/26/2024 12:00:00 AM
Project:		Date Received:	4/26/2024 12:00:00 AM
Client Sample ID:	C0AR4	SDG No.:	BM050324
Lab Sample ID:	P2251-09	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	
Injection Volume :		Level :	LOW
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045684.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1391	16.942				
1719-03-5	Chrysene-d12	1332	21.184				
1520-96-3	Perylene-d12	1398	23.353				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.03	U			99	ug/L

Report of Analysis

Client:		Date Collected:	4/26/2024 12:00:00 AM
Project:		Date Received:	4/26/2024 12:00:00 AM
Client Sample ID:	C0AR7	SDG No.:	BM050324
Lab Sample ID:	P2251-10	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045685.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.858		15-120		61	SPK: -8
93951-69-0	Fluoranthene-d10	0.419		30-130		105	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.328		30-130		82	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	260	7.53				
1146-65-2	Naphthalene-d8	833	10.286				
15067-26-2	Acenaphthene-d10	555	14.177				

Report of Analysis

Client:		Date Collected:	4/26/2024 12:00:00 AM
Project:		Date Received:	4/26/2024 12:00:00 AM
Client Sample ID:	C0AR7	SDG No.:	BM050324
Lab Sample ID:	P2251-10	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045685.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1269	16.942				
1719-03-5	Chrysene-d12	1252	21.184				
1520-96-3	Perylene-d12	1329	23.353				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	C0AL2	SDG No.:	BM050324
Lab Sample ID:	P2305-01	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045686.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.03	U	0.03	0	0.2	ug/L
91-20-3	Naphthalene	12	E	0	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	1.3		0.02	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.57		0.01	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.92		0.01	0.05	0.1	ug/L
83-32-9	Acenaphthene	140	E	0.01	0.05	0.1	ug/L
86-73-7	Fluorene	34	E	0.01	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.06	U	0.06	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.68		0.01	0.05	0.1	ug/L
120-12-7	Anthracene	3.9	E	0.01	0.05	0.1	ug/L
206-44-0	Fluoranthene	9.2	E	0.01	0.05	0.1	ug/L
129-00-0	Pyrene	4.8	E	0.01	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.25		0	0.05	0.1	ug/L
218-01-9	Chrysene	0.1		0.01	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.03	J	0.01	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.01	U	0.01	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.02	U	0.02	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.02	U	0.02	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.01	U	0.01	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.02	U	0.02	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.282		15-120		54	SPK: -8
93951-69-0	Fluoranthene-d10	0.408		30-130		102	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.355		30-130		89	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	290		7.526			
1146-65-2	Naphthalene-d8	974		10.281			
15067-26-2	Acenaphthene-d10	819		14.169			

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	C0AL2	SDG No.:	BM050324
Lab Sample ID:	P2305-01	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	
Injection Volume :		Level :	LOW
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045686.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	2065	16.934				
1719-03-5	Chrysene-d12	2507	21.157				
1520-96-3	Perylene-d12	3143	23.334				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.03	U			99	ug/L

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	SBLK612	SDG No.:	BM050324
Lab Sample ID:	PB160612BL	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045688.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.029	U	0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.371		15-120		55	SPK: -8
93951-69-0	Fluoranthene-d10	0.27		30-130		68	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.232		30-130		58	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	525		7.521			
1146-65-2	Naphthalene-d8	1600		10.281			
15067-26-2	Acenaphthene-d10	1003		14.173			

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	SBLK612	SDG No.:	BM050324
Lab Sample ID:	PB160612BL	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045688.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	2319	16.938				
1719-03-5	Chrysene-d12	2417	21.179				
1520-96-3	Perylene-d12	2645	23.359				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	C0AL2DL	SDG No.:	BM050324
Lab Sample ID:	P2305-01DL	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045689.D	5	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.15	U	0.15	0	1	ug/L
91-20-3	Naphthalene	14	ED	0.02	0.26	0.51	ug/L
90-12-0	1-Methylnaphthalene	1.5	D	0.08	0.26	0.51	ug/L
91-57-6	2-Methylnaphthalene	0.56	D	0.03	0.26	0.51	ug/L
208-96-8	Acenaphthylene	1.1	D	0.06	0.26	0.51	ug/L
83-32-9	Acenaphthene	140	ED	0.04	0.26	0.51	ug/L
86-73-7	Fluorene	39	ED	0.03	0.26	0.51	ug/L
87-86-5	Pentachlorophenol	0.32	U	0.32	0.51	1	ug/L
85-01-8	Phenanthrene	0.57	D	0.03	0.26	0.51	ug/L
120-12-7	Anthracene	4.5	D	0.04	0.26	0.51	ug/L
206-44-0	Fluoranthene	11	ED	0.04	0.26	0.51	ug/L
129-00-0	Pyrene	5.6	D	0.03	0.26	0.51	ug/L
56-55-3	Benzo(a)anthracene	0.3	JD	0.02	0.26	0.51	ug/L
218-01-9	Chrysene	0.13	JD	0.04	0.26	0.51	ug/L
205-99-2	Benzo(b)fluoranthene	0.07	U	0.07	0.26	0.51	ug/L
207-08-9	Benzo(k)fluoranthene	0.05	U	0.05	0.26	0.51	ug/L
50-32-8	Benzo(a)pyrene	0.09	U	0.09	0.26	0.51	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.09	U	0.09	0.26	0.51	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.07	U	0.07	0.26	0.51	ug/L
191-24-2	Benzo(g,h,i)perylene	0.11	U	0.11	0.26	0.51	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.46		15-120		56	SPK: -8
93951-69-0	Fluoranthene-d10	0.44		30-130		110	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.38		30-130		95	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	294		7.53			
1146-65-2	Naphthalene-d8	866		10.287			
15067-26-2	Acenaphthene-d10	621		14.168			

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	C0AL2DL	SDG No.:	BM050324
Lab Sample ID:	P2305-01DL	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045689.D	5	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1673	16.938				
1719-03-5	Chrysene-d12	1932	21.161				
1520-96-3	Perylene-d12	2566	23.344				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.15	U			99	ug/L

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	C0SA1	SDG No.:	BM050324
Lab Sample ID:	P2234-01	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	18.8
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
BM045690.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	8.3	ug/Kg
91-20-3	Naphthalene	5.8		0.25	1	4.1	ug/Kg
90-12-0	1-Methylnaphthalene	2.4	J	0.64	1	4.1	ug/Kg
91-57-6	2-Methylnaphthalene	4.5		0.23	1	4.1	ug/Kg
208-96-8	Acenaphthylene	5.5		0.41	1	4.1	ug/Kg
83-32-9	Acenaphthene	10		0.22	1	4.1	ug/Kg
86-73-7	Fluorene	8.7		0.27	1	4.1	ug/Kg
87-86-5	Pentachlorophenol	2.5	U	2.5	2.1	8.3	ug/Kg
85-01-8	Phenanthrene	290	E	0.22	1	4.1	ug/Kg
120-12-7	Anthracene	25		0.21	1	4.1	ug/Kg
206-44-0	Fluoranthene	670	E	0.22	1	4.1	ug/Kg
129-00-0	Pyrene	560	E	0.3	1	4.1	ug/Kg
56-55-3	Benzo(a)anthracene	260	E	0.11	1	4.1	ug/Kg
218-01-9	Chrysene	270	E	0.31	1	4.1	ug/Kg
205-99-2	Benzo(b)fluoranthene	540	E	0.58	1	4.1	ug/Kg
207-08-9	Benzo(k)fluoranthene	140	E	0.39	1	4.1	ug/Kg
50-32-8	Benzo(a)pyrene	280	E	0.39	1	4.1	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	200	E	0.64	1	4.1	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	54		0.58	1	4.1	ug/Kg
191-24-2	Benzo(g,h,i)perylene	230	E	0.92	1	4.1	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.497		15-120		31	SPK: -8
93951-69-0	Fluoranthene-d10	0.204		30-130		51	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.192		20-140		48	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	342		7.521			
1146-65-2	Naphthalene-d8	1068		10.286			
15067-26-2	Acenaphthene-d10	678		14.173			

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	C0SA1	SDG No.:	BM050324
Lab Sample ID:	P2234-01	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	18.8
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
BM045690.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1682	16.938				
1719-03-5	Chrysene-d12	2092	21.157				
1520-96-3	Perylene-d12	2622	23.34				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	E1CX6	SDG No.:	BM050324
Lab Sample ID:	P2238-02	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.4
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
BM045691.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

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	12		0.22	0.9	3.6	ug/Kg
90-12-0	1-Methylnaphthalene	4.5		0.57	0.9	3.6	ug/Kg
91-57-6	2-Methylnaphthalene	9.1		0.21	0.9	3.6	ug/Kg
208-96-8	Acenaphthylene	4.3		0.36	0.9	3.6	ug/Kg
83-32-9	Acenaphthene	18		0.2	0.9	3.6	ug/Kg
86-73-7	Fluorene	10		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	100	E	0.2	0.9	3.6	ug/Kg
120-12-7	Anthracene	21		0.19	0.9	3.6	ug/Kg
206-44-0	Fluoranthene	130	E	0.2	0.9	3.6	ug/Kg
129-00-0	Pyrene	120	E	0.26	0.9	3.6	ug/Kg
56-55-3	Benzo(a)anthracene	130	E	0.1	0.9	3.6	ug/Kg
218-01-9	Chrysene	100	E	0.27	0.9	3.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	350	E	0.51	0.9	3.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	E	0.35	0.9	3.6	ug/Kg
50-32-8	Benzo(a)pyrene	240	E	0.35	0.9	3.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180	E	0.57	0.9	3.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	53		0.51	0.9	3.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	230	E	0.82	0.9	3.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.453		15-120		43	SPK: -8
93951-69-0	Fluoranthene-d10	0.259		30-130		65	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.264		20-140		66	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	409		7.521			
1146-65-2	Naphthalene-d8	1240		10.286			
15067-26-2	Acenaphthene-d10	855		14.173			

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	E1CX6	SDG No.:	BM050324
Lab Sample ID:	P2238-02	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.4
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
BM045691.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	2045	16.938				
1719-03-5	Chrysene-d12	2386	21.157				
1520-96-3	Perylene-d12	2741	23.334				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.97	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	C0SA2	SDG No.:	BM050324
Lab Sample ID:	P2234-02	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.6
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
BM045692.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	7.9	ug/Kg
91-20-3	Naphthalene	0.94	J	0.24	0.97	3.9	ug/Kg
90-12-0	1-Methylnaphthalene	0.61	U	0.61	0.97	3.9	ug/Kg
91-57-6	2-Methylnaphthalene	0.22	U	0.22	0.97	3.9	ug/Kg
208-96-8	Acenaphthylene	0.39	U	0.39	0.97	3.9	ug/Kg
83-32-9	Acenaphthene	2.1	J	0.21	0.97	3.9	ug/Kg
86-73-7	Fluorene	2.2	J	0.26	0.97	3.9	ug/Kg
87-86-5	Pentachlorophenol	2.4	U	2.4	2	7.9	ug/Kg
85-01-8	Phenanthrene	59		0.21	0.97	3.9	ug/Kg
120-12-7	Anthracene	4.3		0.2	0.97	3.9	ug/Kg
206-44-0	Fluoranthene	110	E	0.21	0.97	3.9	ug/Kg
129-00-0	Pyrene	92	E	0.28	0.97	3.9	ug/Kg
56-55-3	Benzo(a)anthracene	40		0.11	0.97	3.9	ug/Kg
218-01-9	Chrysene	42		0.3	0.97	3.9	ug/Kg
205-99-2	Benzo(b)fluoranthene	67	E	0.56	0.97	3.9	ug/Kg
207-08-9	Benzo(k)fluoranthene	19		0.38	0.97	3.9	ug/Kg
50-32-8	Benzo(a)pyrene	37		0.38	0.97	3.9	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	25		0.61	0.97	3.9	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	6.4		0.56	0.97	3.9	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30		0.89	0.97	3.9	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.445		15-120		43	SPK: -8
93951-69-0	Fluoranthene-d10	0.259		30-130		65	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	350		7.521			
1146-65-2	Naphthalene-d8	1012		10.281			
15067-26-2	Acenaphthene-d10	682		14.172			

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	C0SA2	SDG No.:	BM050324
Lab Sample ID:	P2234-02	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.6
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
BM045692.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1735	16.938				
1719-03-5	Chrysene-d12	1964	21.158				
1520-96-3	Perylene-d12	2970	23.335				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	E1CX5	SDG No.:	BM050324
Lab Sample ID:	P2238-01	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	9.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045693.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.98	U	0.98	0	7.4	ug/Kg
91-20-3	Naphthalene	16		0.22	0.91	3.6	ug/Kg
90-12-0	1-Methylnaphthalene	5.9		0.57	0.91	3.6	ug/Kg
91-57-6	2-Methylnaphthalene	13		0.21	0.91	3.6	ug/Kg
208-96-8	Acenaphthylene	5.7		0.36	0.91	3.6	ug/Kg
83-32-9	Acenaphthene	29		0.2	0.91	3.6	ug/Kg
86-73-7	Fluorene	15		0.24	0.91	3.6	ug/Kg
87-86-5	Pentachlorophenol	2.2	U	2.2	1.8	7.4	ug/Kg
85-01-8	Phenanthrene	200	E	0.2	0.91	3.6	ug/Kg
120-12-7	Anthracene	39		0.19	0.91	3.6	ug/Kg
206-44-0	Fluoranthene	120	E	0.2	0.91	3.6	ug/Kg
129-00-0	Pyrene	81	E	0.26	0.91	3.6	ug/Kg
56-55-3	Benzo(a)anthracene	42		0.1	0.91	3.6	ug/Kg
218-01-9	Chrysene	28		0.28	0.91	3.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	50		0.52	0.91	3.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	14		0.35	0.91	3.6	ug/Kg
50-32-8	Benzo(a)pyrene	28		0.35	0.91	3.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	15		0.57	0.91	3.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	4.8		0.52	0.91	3.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	17		0.83	0.91	3.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.9		15-120		36	SPK: -8
93951-69-0	Fluoranthene-d10	0.223		30-130		56	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.208		20-140		52	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	310		7.521			
1146-65-2	Naphthalene-d8	939		10.292			
15067-26-2	Acenaphthene-d10	647		14.173			

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	E1CX5	SDG No.:	BM050324
Lab Sample ID:	P2238-01	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	9.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045693.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1490	16.938				
1719-03-5	Chrysene-d12	1805	21.161				
1520-96-3	Perylene-d12	2203	23.341				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.98	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	SBLK587	SDG No.:	BM050324
Lab Sample ID:	PB160587BL	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
BM045695.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

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	4.315		15-120		54	SPK: -8
93951-69-0	Fluoranthene-d10	0.269		30-130		67	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.234		20-140		58	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	331		7.521			
1146-65-2	Naphthalene-d8	1037		10.286			
15067-26-2	Acenaphthene-d10	697		14.173			

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	SBLK587	SDG No.:	BM050324
Lab Sample ID:	PB160587BL	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
BM045695.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1692	16.938				
1719-03-5	Chrysene-d12	1679	21.18				
1520-96-3	Perylene-d12	2044	23.343				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	SLCS587	SDG No.:	BM050324
Lab Sample ID:	PB160587BS	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
BM045696.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	67		0.89	0	6.7	ug/Kg
91-20-3	Naphthalene	11		0.2	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	10		0.52	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	11		0.19	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	11		0.33	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	11		0.18	0.83	3.3	ug/Kg
86-73-7	Fluorene	11		0.22	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	22		2	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	11		0.18	0.83	3.3	ug/Kg
120-12-7	Anthracene	11		0.17	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	11		0.18	0.83	3.3	ug/Kg
129-00-0	Pyrene	11		0.24	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	12		0.09	0.83	3.3	ug/Kg
218-01-9	Chrysene	11		0.25	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	12		0.47	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	11		0.32	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	11		0.32	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	12		0.52	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	12		0.47	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	12		0.75	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.744		15-120		93	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.296		30-130		74	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.292		20-140		73	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	203		7.538			
1146-65-2	Naphthalene-d8	766		10.341			
15067-26-2	Acenaphthene-d10	539		14.191			

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	SLCS587	SDG No.:	BM050324
Lab Sample ID:	PB160587BS	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
BM045696.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1303	16.967				
1719-03-5	Chrysene-d12	1354	21.178				
1520-96-3	Perylene-d12	1904	23.359				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	E1CX6MS	SDG No.:	BM050324
Lab Sample ID:	P2238-10MS	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.4
Sample Wt/Vol:	30.06 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
BM045697.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	33		0.97	0	7.3	ug/Kg
91-20-3	Naphthalene	21		0.22	0.9	3.6	ug/Kg
90-12-0	1-Methylnaphthalene	14		0.57	0.9	3.6	ug/Kg
91-57-6	2-Methylnaphthalene	20		0.21	0.9	3.6	ug/Kg
208-96-8	Acenaphthylene	12		0.36	0.9	3.6	ug/Kg
83-32-9	Acenaphthene	31		0.2	0.9	3.6	ug/Kg
86-73-7	Fluorene	21		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	34		0.19	0.9	3.6	ug/Kg
206-44-0	Fluoranthene	160	E	0.2	0.9	3.6	ug/Kg
129-00-0	Pyrene	140	E	0.26	0.9	3.6	ug/Kg
56-55-3	Benzo(a)anthracene	140	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	320	E	0.51	0.9	3.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	95	E	0.35	0.9	3.6	ug/Kg
50-32-8	Benzo(a)pyrene	230	E	0.35	0.9	3.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	E	0.57	0.9	3.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	54		0.51	0.9	3.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	210	E	0.82	0.9	3.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.481		15-120		60	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.22		30-130		55	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.23		20-140		57	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	237		7.551			
1146-65-2	Naphthalene-d8	812		10.298			
15067-26-2	Acenaphthene-d10	632		14.177			

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	E1CX6MS	SDG No.:	BM050324
Lab Sample ID:	P2238-10MS	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.4
Sample Wt/Vol:	30.06 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
BM045697.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1406	16.942				
1719-03-5	Chrysene-d12	1765	21.158				
1520-96-3	Perylene-d12	2488	23.332				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.97	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	E1CX6MSD	SDG No.:	BM050324
Lab Sample ID:	P2238-11MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.4
Sample Wt/Vol:	30.09 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
BM045698.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	33		0.97	0	7.3	ug/Kg
91-20-3	Naphthalene	21		0.22	0.9	3.6	ug/Kg
90-12-0	1-Methylnaphthalene	14		0.57	0.9	3.6	ug/Kg
91-57-6	2-Methylnaphthalene	19		0.21	0.9	3.6	ug/Kg
208-96-8	Acenaphthylene	12		0.36	0.9	3.6	ug/Kg
83-32-9	Acenaphthene	31		0.2	0.9	3.6	ug/Kg
86-73-7	Fluorene	20		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	33		0.19	0.9	3.6	ug/Kg
206-44-0	Fluoranthene	160	E	0.2	0.9	3.6	ug/Kg
129-00-0	Pyrene	140	E	0.26	0.9	3.6	ug/Kg
56-55-3	Benzo(a)anthracene	140	E	0.1	0.9	3.6	ug/Kg
218-01-9	Chrysene	110	E	0.27	0.9	3.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	310	E	0.51	0.9	3.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	E	0.35	0.9	3.6	ug/Kg
50-32-8	Benzo(a)pyrene	230	E	0.35	0.9	3.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	E	0.57	0.9	3.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	53		0.51	0.9	3.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	210	E	0.82	0.9	3.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.371		15-120		46	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.222		30-130		56	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.231		20-140		58	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	276		7.543			
1146-65-2	Naphthalene-d8	984		10.298			
15067-26-2	Acenaphthene-d10	706		14.173			

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	E1CX6MSD	SDG No.:	BM050324
Lab Sample ID:	P2238-11MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.4
Sample Wt/Vol:	30.09 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
BM045698.D	1	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1569	16.943				
1719-03-5	Chrysene-d12	1904	21.157				
1520-96-3	Perylene-d12	2606	23.332				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.97	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	C0SA1DL	SDG No.:	BM050324
Lab Sample ID:	P2234-01DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	18.8
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
BM045699.D	5	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	5.5	U	5.5	0	41	ug/Kg
91-20-3	Naphthalene	7	JD	1.2	5.1	20	ug/Kg
90-12-0	1-Methylnaphthalene	3.2	U	3.2	5.1	20	ug/Kg
91-57-6	2-Methylnaphthalene	4.5	JD	1.2	5.1	20	ug/Kg
208-96-8	Acenaphthylene	6.2	JD	2	5.1	20	ug/Kg
83-32-9	Acenaphthene	12	JD	1.1	5.1	20	ug/Kg
86-73-7	Fluorene	10	JD	1.4	5.1	20	ug/Kg
87-86-5	Pentachlorophenol	12	U	12	10.3	41	ug/Kg
85-01-8	Phenanthrene	340	ED	1.1	5.1	20	ug/Kg
120-12-7	Anthracene	28	D	1	5.1	20	ug/Kg
206-44-0	Fluoranthene	800	ED	1.1	5.1	20	ug/Kg
129-00-0	Pyrene	660	ED	1.5	5.1	20	ug/Kg
56-55-3	Benzo(a)anthracene	280	D	0.57	5.1	20	ug/Kg
218-01-9	Chrysene	310	D	1.5	5.1	20	ug/Kg
205-99-2	Benzo(b)fluoranthene	550	ED	2.9	5.1	20	ug/Kg
207-08-9	Benzo(k)fluoranthene	160	D	2	5.1	20	ug/Kg
50-32-8	Benzo(a)pyrene	310	D	2	5.1	20	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	210	D	3.2	5.1	20	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	52	D	2.9	5.1	20	ug/Kg
191-24-2	Benzo(g,h,i)perylene	230	D	4.6	5.1	20	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.31		15-120		41	SPK: -8
93951-69-0	Fluoranthene-d10	0.235		30-130		59	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.195		20-140		49	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	331		7.526			
1146-65-2	Naphthalene-d8	1067		10.303			
15067-26-2	Acenaphthene-d10	673		14.178			

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	C0SA1DL	SDG No.:	BM050324
Lab Sample ID:	P2234-01DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	18.8
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
BM045699.D	5	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1598	16.938				
1719-03-5	Chrysene-d12	1820	21.16				
1520-96-3	Perylene-d12	2581	23.334				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.5	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	E1CX6DL	SDG No.:	BM050324
Lab Sample ID:	P2238-02DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.4
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
BM045700.D	5	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

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	13	JD	1.1	4.5	18	ug/Kg
90-12-0	1-Methylnaphthalene	5.6	JD	2.8	4.5	18	ug/Kg
91-57-6	2-Methylnaphthalene	9.6	JD	1	4.5	18	ug/Kg
208-96-8	Acenaphthylene	5.3	JD	1.8	4.5	18	ug/Kg
83-32-9	Acenaphthene	20	D	0.98	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	9.1	37	ug/Kg
85-01-8	Phenanthrene	120	D	0.98	4.5	18	ug/Kg
120-12-7	Anthracene	26	D	0.93	4.5	18	ug/Kg
206-44-0	Fluoranthene	160	D	0.98	4.5	18	ug/Kg
129-00-0	Pyrene	140	D	1.3	4.5	18	ug/Kg
56-55-3	Benzo(a)anthracene	140	D	0.51	4.5	18	ug/Kg
218-01-9	Chrysene	120	D	1.4	4.5	18	ug/Kg
205-99-2	Benzo(b)fluoranthene	320	ED	2.6	4.5	18	ug/Kg
207-08-9	Benzo(k)fluoranthene	90	D	1.7	4.5	18	ug/Kg
50-32-8	Benzo(a)pyrene	240	D	1.7	4.5	18	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	D	2.8	4.5	18	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	46	D	2.6	4.5	18	ug/Kg
191-24-2	Benzo(g,h,i)perylene	220	D	4.1	4.5	18	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.88		15-120		49	SPK: -8
93951-69-0	Fluoranthene-d10	0.28		30-130		70	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	371		7.53			
1146-65-2	Naphthalene-d8	1091		10.297			
15067-26-2	Acenaphthene-d10	745		14.178			

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	E1CX6DL	SDG No.:	BM050324
Lab Sample ID:	P2238-02DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	8.4
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
BM045700.D	5	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1635	16.947				
1719-03-5	Chrysene-d12	1879	21.163				
1520-96-3	Perylene-d12	2731	23.337				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	4.9	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	C0SA2DL	SDG No.:	BM050324
Lab Sample ID:	P2234-02DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.6
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
BM045701.D	5	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

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	1.2	U	1.2	4.9	19	ug/Kg
90-12-0	1-Methylnaphthalene	3.1	U	3.1	4.9	19	ug/Kg
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4.9	19	ug/Kg
208-96-8	Acenaphthylene	1.9	U	1.9	4.9	19	ug/Kg
83-32-9	Acenaphthene	1.1	U	1.1	4.9	19	ug/Kg
86-73-7	Fluorene	1.3	U	1.3	4.9	19	ug/Kg
87-86-5	Pentachlorophenol	12	U	12	9.9	40	ug/Kg
85-01-8	Phenanthrene	60	D	1.1	4.9	19	ug/Kg
120-12-7	Anthracene	1	U	1	4.9	19	ug/Kg
206-44-0	Fluoranthene	110	D	1.1	4.9	19	ug/Kg
129-00-0	Pyrene	93	D	1.4	4.9	19	ug/Kg
56-55-3	Benzo(a)anthracene	37	D	0.55	4.9	19	ug/Kg
218-01-9	Chrysene	41	D	1.5	4.9	19	ug/Kg
205-99-2	Benzo(b)fluoranthene	73	D	2.8	4.9	19	ug/Kg
207-08-9	Benzo(k)fluoranthene	21	D	1.9	4.9	19	ug/Kg
50-32-8	Benzo(a)pyrene	42	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	7.3	JD	2.8	4.9	19	ug/Kg
191-24-2	Benzo(g,h,i)perylene	35	D	4.4	4.9	19	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.26		15-120		41	SPK: -8
93951-69-0	Fluoranthene-d10	0.245		30-130		61	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	348		7.526			
1146-65-2	Naphthalene-d8	988		10.303			
15067-26-2	Acenaphthene-d10	662		14.177			

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	C0SA2DL	SDG No.:	BM050324
Lab Sample ID:	P2234-02DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.6
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
BM045701.D	5	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1567	16.942				
1719-03-5	Chrysene-d12	1705	21.17				
1520-96-3	Perylene-d12	2256	23.341				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	5.3	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	E1CX5DL	SDG No.:	BM050324
Lab Sample ID:	P2238-01DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	9.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045702.D	5	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

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	15	JD	1.1	4.5	18	ug/Kg
90-12-0	1-Methylnaphthalene	5.1	JD	2.9	4.5	18	ug/Kg
91-57-6	2-Methylnaphthalene	9	JD	1	4.5	18	ug/Kg
208-96-8	Acenaphthylene	5.3	JD	1.8	4.5	18	ug/Kg
83-32-9	Acenaphthene	28	D	0.99	4.5	18	ug/Kg
86-73-7	Fluorene	14	JD	1.2	4.5	18	ug/Kg
87-86-5	Pentachlorophenol	11	U	11	9.2	37	ug/Kg
85-01-8	Phenanthrene	190	D	0.99	4.5	18	ug/Kg
120-12-7	Anthracene	37	D	0.94	4.5	18	ug/Kg
206-44-0	Fluoranthene	110	D	0.99	4.5	18	ug/Kg
129-00-0	Pyrene	80	D	1.3	4.5	18	ug/Kg
56-55-3	Benzo(a)anthracene	39	D	0.51	4.5	18	ug/Kg
218-01-9	Chrysene	28	D	1.4	4.5	18	ug/Kg
205-99-2	Benzo(b)fluoranthene	45	D	2.6	4.5	18	ug/Kg
207-08-9	Benzo(k)fluoranthene	15	JD	1.8	4.5	18	ug/Kg
50-32-8	Benzo(a)pyrene	27	D	1.8	4.5	18	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	14	JD	2.9	4.5	18	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	4.4	JD	2.6	4.5	18	ug/Kg
191-24-2	Benzo(g,h,i)perylene	17	JD	4.1	4.5	18	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.87		15-120		36	SPK: -8
93951-69-0	Fluoranthene-d10	0.215		30-130		54	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	263		7.538			
1146-65-2	Naphthalene-d8	807		10.314			
15067-26-2	Acenaphthene-d10	550		14.178			

Report of Analysis

Client:		Date Collected:	4/22/2024 12:00:00 AM
Project:		Date Received:	4/22/2024 12:00:00 AM
Client Sample ID:	E1CX5DL	SDG No.:	BM050324
Lab Sample ID:	P2238-01DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	9.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045702.D	5	4/29/2024 12:00:00 AM	5/3/2024 12:00:00 AM	PB160587

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	1203	16.947				
1719-03-5	Chrysene-d12	1333	21.172				
1520-96-3	Perylene-d12	1777	23.346				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	4.9	U			99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM050324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : C0SA1								
P2234-01	C0SA1	Solid	Total Alkanes	*	0.000	1.1	8.3	ug/Kg
			Total Tics :			0.00		
P2234-01	C0SA1	Solid	1-Methylnaphthalene		2.400	J 0.64	4.1	ug/Kg
P2234-01	C0SA1	Solid	2-Methylnaphthalene		4.500	0.23	4.1	ug/Kg
P2234-01	C0SA1	Solid	Acenaphthene		10.000	0.22	4.1	ug/Kg
P2234-01	C0SA1	Solid	Acenaphthylene		5.500	0.41	4.1	ug/Kg
P2234-01	C0SA1	Solid	Anthracene		25.000	0.21	4.1	ug/Kg
P2234-01	C0SA1	Solid	Benzo(a)anthracene		260.000	E 0.11	4.1	ug/Kg
P2234-01	C0SA1	Solid	Benzo(a)pyrene		280.000	E 0.39	4.1	ug/Kg
P2234-01	C0SA1	Solid	Benzo(b)fluoranthene		540.000	E 0.58	4.1	ug/Kg
P2234-01	C0SA1	Solid	Benzo(g,h,i)perylene		230.000	E 0.92	4.1	ug/Kg
P2234-01	C0SA1	Solid	Benzo(k)fluoranthene		140.000	E 0.39	4.1	ug/Kg
P2234-01	C0SA1	Solid	Chrysene		270.000	E 0.31	4.1	ug/Kg
P2234-01	C0SA1	Solid	Dibenzo(a,h)anthracene		54.000	0.58	4.1	ug/Kg
P2234-01	C0SA1	Solid	Fluoranthene		670.000	E 0.22	4.1	ug/Kg
P2234-01	C0SA1	Solid	Fluorene		8.700	0.27	4.1	ug/Kg
P2234-01	C0SA1	Solid	Indeno(1,2,3-cd)pyrene		200.000	E 0.64	4.1	ug/Kg
P2234-01	C0SA1	Solid	Naphthalene		5.800	0.25	4.1	ug/Kg
P2234-01	C0SA1	Solid	Phenanthrene		290.000	E 0.22	4.1	ug/Kg
P2234-01	C0SA1	Solid	Pyrene		560.000	E 0.3	4.1	ug/Kg
			Total Svoc :			3,555.90		
			Total Concentration:			3,555.90		
Client ID : C0SA1DL								
P2234-01DL	C0SA1DL	Solid	Total Alkanes	*	0.000	D 5.5	41	ug/Kg
			Total Tics :			0.00		
P2234-01DL	C0SA1DL	Solid	2-Methylnaphthalene		4.500	JD 1.2	20	ug/Kg
P2234-01DL	C0SA1DL	Solid	Acenaphthene		12.000	JD 1.1	20	ug/Kg
P2234-01DL	C0SA1DL	Solid	Acenaphthylene		6.200	JD 2	20	ug/Kg
P2234-01DL	C0SA1DL	Solid	Anthracene		28.000	D 1	20	ug/Kg
P2234-01DL	C0SA1DL	Solid	Benzo(a)anthracene		280.000	D 0.57	20	ug/Kg
P2234-01DL	C0SA1DL	Solid	Benzo(a)pyrene		310.000	D 2	20	ug/Kg
P2234-01DL	C0SA1DL	Solid	Benzo(b)fluoranthene		550.000	ED 2.9	20	ug/Kg
P2234-01DL	C0SA1DL	Solid	Benzo(g,h,i)perylene		230.000	D 4.6	20	ug/Kg
P2234-01DL	C0SA1DL	Solid	Benzo(k)fluoranthene		160.000	D 2	20	ug/Kg
P2234-01DL	C0SA1DL	Solid	Chrysene		310.000	D 1.5	20	ug/Kg
P2234-01DL	C0SA1DL	Solid	Dibenzo(a,h)anthracene		52.000	D 2.9	20	ug/Kg
P2234-01DL	C0SA1DL	Solid	Fluoranthene		800.000	ED 1.1	20	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM050324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2234-01DL	C0SA1DL	Solid	Fluorene	10.000	JD	1.4	20	ug/Kg
P2234-01DL	C0SA1DL	Solid	Indeno(1,2,3-cd)pyrene	210.000	D	3.2	20	ug/Kg
P2234-01DL	C0SA1DL	Solid	Naphthalene	7.000	JD	1.2	20	ug/Kg
P2234-01DL	C0SA1DL	Solid	Phenanthrene	340.000	ED	1.1	20	ug/Kg
P2234-01DL	C0SA1DL	Solid	Pyrene	660.000	ED	1.5	20	ug/Kg
Total Svoc :				3,969.70				
Total Concentration:				3,969.70				
Client ID : C0SA2								
P2234-02	C0SA2	Solid	Total Alkanes	*	0.000	1.1	7.9	ug/Kg
Total Tics :				0.00				
P2234-02	C0SA2	Solid	Acenaphthene	2.100	J	0.21	3.9	ug/Kg
P2234-02	C0SA2	Solid	Anthracene	4.300		0.2	3.9	ug/Kg
P2234-02	C0SA2	Solid	Benzo(a)anthracene	40.000		0.11	3.9	ug/Kg
P2234-02	C0SA2	Solid	Benzo(a)pyrene	37.000		0.38	3.9	ug/Kg
P2234-02	C0SA2	Solid	Benzo(b)fluoranthene	67.000	E	0.56	3.9	ug/Kg
P2234-02	C0SA2	Solid	Benzo(g,h,i)perylene	30.000		0.89	3.9	ug/Kg
P2234-02	C0SA2	Solid	Benzo(k)fluoranthene	19.000		0.38	3.9	ug/Kg
P2234-02	C0SA2	Solid	Chrysene	42.000		0.3	3.9	ug/Kg
P2234-02	C0SA2	Solid	Dibenzo(a,h)anthracene	6.400		0.56	3.9	ug/Kg
P2234-02	C0SA2	Solid	Fluoranthene	110.000	E	0.21	3.9	ug/Kg
P2234-02	C0SA2	Solid	Fluorene	2.200	J	0.26	3.9	ug/Kg
P2234-02	C0SA2	Solid	Indeno(1,2,3-cd)pyrene	25.000		0.61	3.9	ug/Kg
P2234-02	C0SA2	Solid	Naphthalene	0.940	J	0.24	3.9	ug/Kg
P2234-02	C0SA2	Solid	Phenanthrene	59.000		0.21	3.9	ug/Kg
P2234-02	C0SA2	Solid	Pyrene	92.000	E	0.28	3.9	ug/Kg
Total Svoc :				536.94				
Total Concentration:				536.94				
Client ID : C0SA2DL								
P2234-02DL	C0SA2DL	Solid	Total Alkanes	*	0.000	D 5.3	40	ug/Kg
Total Tics :				0.00				
P2234-02DL	C0SA2DL	Solid	Benzo(a)anthracene	37.000	D	0.55	19	ug/Kg
P2234-02DL	C0SA2DL	Solid	Benzo(a)pyrene	42.000	D	1.9	19	ug/Kg
P2234-02DL	C0SA2DL	Solid	Benzo(b)fluoranthene	73.000	D	2.8	19	ug/Kg
P2234-02DL	C0SA2DL	Solid	Benzo(g,h,i)perylene	35.000	D	4.4	19	ug/Kg
P2234-02DL	C0SA2DL	Solid	Benzo(k)fluoranthene	21.000	D	1.9	19	ug/Kg
P2234-02DL	C0SA2DL	Solid	Chrysene	41.000	D	1.5	19	ug/Kg
P2234-02DL	C0SA2DL	Solid	Dibenzo(a,h)anthracene	7.300	JD	2.8	19	ug/Kg
P2234-02DL	C0SA2DL	Solid	Fluoranthene	110.000	D	1.1	19	ug/Kg
P2234-02DL	C0SA2DL	Solid	Indeno(1,2,3-cd)pyrene	30.000	D	3.1	19	ug/Kg
P2234-02DL	C0SA2DL	Solid	Phenanthrene	60.000	D	1.1	19	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM050324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2234-02DL	C0SA2DL	Solid	Pyrene	93.000	D	1.4	19	ug/Kg
Total Svoc :				549.30				
Total Concentration:				549.30				
Client ID : E1CX5								
P2238-01	E1CX5	Solid	Total Alkanes	*	0.000	0.98	7.4	ug/Kg
Total Tics :				0.00				
P2238-01	E1CX5	Solid	1-Methylnaphthalene	5.900		0.57	3.6	ug/Kg
P2238-01	E1CX5	Solid	2-Methylnaphthalene	13.000		0.21	3.6	ug/Kg
P2238-01	E1CX5	Solid	Acenaphthene	29.000		0.2	3.6	ug/Kg
P2238-01	E1CX5	Solid	Acenaphthylene	5.700		0.36	3.6	ug/Kg
P2238-01	E1CX5	Solid	Anthracene	39.000		0.19	3.6	ug/Kg
P2238-01	E1CX5	Solid	Benzo(a)anthracene	42.000		0.1	3.6	ug/Kg
P2238-01	E1CX5	Solid	Benzo(a)pyrene	28.000		0.35	3.6	ug/Kg
P2238-01	E1CX5	Solid	Benzo(b)fluoranthene	50.000		0.52	3.6	ug/Kg
P2238-01	E1CX5	Solid	Benzo(g,h,i)perylene	17.000		0.83	3.6	ug/Kg
P2238-01	E1CX5	Solid	Benzo(k)fluoranthene	14.000		0.35	3.6	ug/Kg
P2238-01	E1CX5	Solid	Chrysene	28.000		0.28	3.6	ug/Kg
P2238-01	E1CX5	Solid	Dibenzo(a,h)anthracene	4.800		0.52	3.6	ug/Kg
P2238-01	E1CX5	Solid	Fluoranthene	120.000	E	0.2	3.6	ug/Kg
P2238-01	E1CX5	Solid	Fluorene	15.000		0.24	3.6	ug/Kg
P2238-01	E1CX5	Solid	Indeno(1,2,3-cd)pyrene	15.000		0.57	3.6	ug/Kg
P2238-01	E1CX5	Solid	Naphthalene	16.000		0.22	3.6	ug/Kg
P2238-01	E1CX5	Solid	Phenanthrene	200.000	E	0.2	3.6	ug/Kg
P2238-01	E1CX5	Solid	Pyrene	81.000	E	0.26	3.6	ug/Kg
Total Svoc :				723.40				
Total Concentration:				723.40				
Client ID : E1CX5DL								
P2238-01DL	E1CX5DL	Solid	Total Alkanes	*	0.000	D 4.9	37	ug/Kg
Total Tics :				0.00				
P2238-01DL	E1CX5DL	Solid	1-Methylnaphthalene	5.100	JD	2.9	18	ug/Kg
P2238-01DL	E1CX5DL	Solid	2-Methylnaphthalene	9.000	JD	1	18	ug/Kg
P2238-01DL	E1CX5DL	Solid	Acenaphthene	28.000	D	0.99	18	ug/Kg
P2238-01DL	E1CX5DL	Solid	Acenaphthylene	5.300	JD	1.8	18	ug/Kg
P2238-01DL	E1CX5DL	Solid	Anthracene	37.000	D	0.94	18	ug/Kg
P2238-01DL	E1CX5DL	Solid	Benzo(a)anthracene	39.000	D	0.51	18	ug/Kg
P2238-01DL	E1CX5DL	Solid	Benzo(a)pyrene	27.000	D	1.8	18	ug/Kg
P2238-01DL	E1CX5DL	Solid	Benzo(b)fluoranthene	45.000	D	2.6	18	ug/Kg
P2238-01DL	E1CX5DL	Solid	Benzo(g,h,i)perylene	17.000	JD	4.1	18	ug/Kg
P2238-01DL	E1CX5DL	Solid	Benzo(k)fluoranthene	15.000	JD	1.8	18	ug/Kg
P2238-01DL	E1CX5DL	Solid	Chrysene	28.000	D	1.4	18	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM050324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2238-01DL	E1CX5DL	Solid	Dibenzo(a,h)anthracene	4.400	JD	2.6	18	ug/Kg
P2238-01DL	E1CX5DL	Solid	Fluoranthene	110.000	D	0.99	18	ug/Kg
P2238-01DL	E1CX5DL	Solid	Fluorene	14.000	JD	1.2	18	ug/Kg
P2238-01DL	E1CX5DL	Solid	Indeno(1,2,3-cd)pyrene	14.000	JD	2.9	18	ug/Kg
P2238-01DL	E1CX5DL	Solid	Naphthalene	15.000	JD	1.1	18	ug/Kg
P2238-01DL	E1CX5DL	Solid	Phenanthrene	190.000	D	0.99	18	ug/Kg
P2238-01DL	E1CX5DL	Solid	Pyrene	80.000	D	1.3	18	ug/Kg
Total Svoc :				682.80				
Total Concentration:				682.80				

Client ID : E1CX6

P2238-02	E1CX6	Solid	Total Alkanes	*	0.000	0.97	7.3	ug/Kg
Total Tics :				0.00				
P2238-02	E1CX6	Solid	1-Methylnaphthalene		4.500	0.57	3.6	ug/Kg
P2238-02	E1CX6	Solid	2-Methylnaphthalene		9.100	0.21	3.6	ug/Kg
P2238-02	E1CX6	Solid	Acenaphthene		18.000	0.2	3.6	ug/Kg
P2238-02	E1CX6	Solid	Acenaphthylene		4.300	0.36	3.6	ug/Kg
P2238-02	E1CX6	Solid	Anthracene		21.000	0.19	3.6	ug/Kg
P2238-02	E1CX6	Solid	Benzo(a)anthracene		130.000	E 0.1	3.6	ug/Kg
P2238-02	E1CX6	Solid	Benzo(a)pyrene		240.000	E 0.35	3.6	ug/Kg
P2238-02	E1CX6	Solid	Benzo(b)fluoranthene		350.000	E 0.51	3.6	ug/Kg
P2238-02	E1CX6	Solid	Benzo(g,h,i)perylene		230.000	E 0.82	3.6	ug/Kg
P2238-02	E1CX6	Solid	Benzo(k)fluoranthene		100.000	E 0.35	3.6	ug/Kg
P2238-02	E1CX6	Solid	Chrysene		100.000	E 0.27	3.6	ug/Kg
P2238-02	E1CX6	Solid	Dibenzo(a,h)anthracene		53.000	0.51	3.6	ug/Kg
P2238-02	E1CX6	Solid	Fluoranthene		130.000	E 0.2	3.6	ug/Kg
P2238-02	E1CX6	Solid	Fluorene		10.000	0.24	3.6	ug/Kg
P2238-02	E1CX6	Solid	Indeno(1,2,3-cd)pyrene		180.000	E 0.57	3.6	ug/Kg
P2238-02	E1CX6	Solid	Naphthalene		12.000	0.22	3.6	ug/Kg
P2238-02	E1CX6	Solid	Phenanthrene		100.000	E 0.2	3.6	ug/Kg
P2238-02	E1CX6	Solid	Pyrene		120.000	E 0.26	3.6	ug/Kg
Total Svoc :				1,811.90				
Total Concentration:				1,811.90				

Client ID : E1CX6DL

P2238-02DL	E1CX6DL	Solid	Total Alkanes	*	0.000	D 4.9	37	ug/Kg
Total Tics :				0.00				
P2238-02DL	E1CX6DL	Solid	1-Methylnaphthalene		5.600	JD 2.8	18	ug/Kg
P2238-02DL	E1CX6DL	Solid	2-Methylnaphthalene		9.600	JD 1	18	ug/Kg
P2238-02DL	E1CX6DL	Solid	Acenaphthene		20.000	D 0.98	18	ug/Kg
P2238-02DL	E1CX6DL	Solid	Acenaphthylene		5.300	JD 1.8	18	ug/Kg
P2238-02DL	E1CX6DL	Solid	Anthracene		26.000	D 0.93	18	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM050324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2238-02DL	E1CX6DL	Solid	Benzo(a)anthracene	140.000	D	0.51	18	ug/Kg
P2238-02DL	E1CX6DL	Solid	Benzo(a)pyrene	240.000	D	1.7	18	ug/Kg
P2238-02DL	E1CX6DL	Solid	Benzo(b)fluoranthene	320.000	ED	2.6	18	ug/Kg
P2238-02DL	E1CX6DL	Solid	Benzo(g,h,i)perylene	220.000	D	4.1	18	ug/Kg
P2238-02DL	E1CX6DL	Solid	Benzo(k)fluoranthene	90.000	D	1.7	18	ug/Kg
P2238-02DL	E1CX6DL	Solid	Chrysene	120.000	D	1.4	18	ug/Kg
P2238-02DL	E1CX6DL	Solid	Dibenzo(a,h)anthracene	46.000	D	2.6	18	ug/Kg
P2238-02DL	E1CX6DL	Solid	Fluoranthene	160.000	D	0.98	18	ug/Kg
P2238-02DL	E1CX6DL	Solid	Fluorene	11.000	JD	1.2	18	ug/Kg
P2238-02DL	E1CX6DL	Solid	Indeno(1,2,3-cd)pyrene	170.000	D	2.8	18	ug/Kg
P2238-02DL	E1CX6DL	Solid	Naphthalene	13.000	JD	1.1	18	ug/Kg
P2238-02DL	E1CX6DL	Solid	Phenanthrene	120.000	D	0.98	18	ug/Kg
P2238-02DL	E1CX6DL	Solid	Pyrene	140.000	D	1.3	18	ug/Kg
Total Svoc :				1,856.50				
Total Concentration:				1,856.50				
Client ID :	C0AR1							
P2251-07	C0AR1	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
Total Tics :				0.00				
P2251-07	C0AR1	Water	1,4-Dioxane		1.600	0.029	0.2	ug/L
Total Svoc :				1.60				
Total Concentration:				1.60				
Client ID :	C0AR3							
P2251-08	C0AR3	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
Total Tics :				0.00				
Total Concentration:				0.00				
Client ID :	C0AR4							
P2251-09	C0AR4	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L
Total Tics :				0.00				
P2251-09	C0AR4	Water	1,4-Dioxane		1.700	0.03	0.2	ug/L
Total Svoc :				1.70				
Total Concentration:				1.70				
Client ID :	C0AR7							
P2251-10	C0AR7	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
Total Tics :				0.00				
P2251-10	C0AR7	Water	1,4-Dioxane		2.000	0.029	0.2	ug/L
Total Svoc :				2.00				
Total Concentration:				2.00				
Client ID :	C0AL2							
P2305-01	C0AL2	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L

Hit Summary Sheet SW-846

SDG No.: BM050324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
			Total Tics :	0.00				
P2305-01	C0AL2	Water	1-Methylnaphthalene	1.300		0.02	0.1	ug/L
P2305-01	C0AL2	Water	2-Methylnaphthalene	0.570		0.01	0.1	ug/L
P2305-01	C0AL2	Water	Acenaphthene	140.000	E	0.01	0.1	ug/L
P2305-01	C0AL2	Water	Acenaphthylene	0.920		0.01	0.1	ug/L
P2305-01	C0AL2	Water	Anthracene	3.900	E	0.01	0.1	ug/L
P2305-01	C0AL2	Water	Benzo(a)anthracene	0.250		0	0.1	ug/L
P2305-01	C0AL2	Water	Benzo(b)fluoranthene	0.030	J	0.01	0.1	ug/L
P2305-01	C0AL2	Water	Chrysene	0.100		0.01	0.1	ug/L
P2305-01	C0AL2	Water	Fluoranthene	9.200	E	0.01	0.1	ug/L
P2305-01	C0AL2	Water	Fluorene	34.000	E	0.01	0.1	ug/L
P2305-01	C0AL2	Water	Naphthalene	12.000	E	0	0.1	ug/L
P2305-01	C0AL2	Water	Phenanthrene	0.680		0.01	0.1	ug/L
P2305-01	C0AL2	Water	Pyrene	4.800	E	0.01	0.1	ug/L
			Total Svoc :	207.75				
			Total Concentration:	207.75				
Client ID :	C0AL2DL							
P2305-01DL	C0AL2DL	Water	Total Alkanes	*	0.000	D 0.15	1	ug/L
			Total Tics :	0.00				
P2305-01DL	C0AL2DL	Water	1-Methylnaphthalene	1.500	D	0.08	0.51	ug/L
P2305-01DL	C0AL2DL	Water	2-Methylnaphthalene	0.560	D	0.03	0.51	ug/L
P2305-01DL	C0AL2DL	Water	Acenaphthene	140.000	ED	0.04	0.51	ug/L
P2305-01DL	C0AL2DL	Water	Acenaphthylene	1.100	D	0.06	0.51	ug/L
P2305-01DL	C0AL2DL	Water	Anthracene	4.500	D	0.04	0.51	ug/L
P2305-01DL	C0AL2DL	Water	Benzo(a)anthracene	0.300	JD	0.02	0.51	ug/L
P2305-01DL	C0AL2DL	Water	Chrysene	0.130	JD	0.04	0.51	ug/L
P2305-01DL	C0AL2DL	Water	Fluoranthene	11.000	ED	0.04	0.51	ug/L
P2305-01DL	C0AL2DL	Water	Fluorene	39.000	ED	0.03	0.51	ug/L
P2305-01DL	C0AL2DL	Water	Naphthalene	14.000	ED	0.02	0.51	ug/L
P2305-01DL	C0AL2DL	Water	Phenanthrene	0.570	D	0.03	0.51	ug/L
P2305-01DL	C0AL2DL	Water	Pyrene	5.600	D	0.03	0.51	ug/L
			Total Svoc :	218.26				
			Total Concentration:	218.26				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM050324 SAS No.: BM050324 SDG No.: BM050324
Instrument ID: _____ Calibration Date(s): 5/2/2024 1: _____
Calibration Time(s): 16:53 _____

LAB FILE ID:		RRFAL1 = BM045671.D			RRFAL2 = BM045672.D		RRFAL3 = BM045673.D	
		RRFAL4 = BM045674.D			RRFAL5 = BM045675.D		RRFAL6 = BM045676.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane		0.460	0.495	0.553	0.444	0.394	0.469	12.7
1,4-Dioxane-d8		0.469	0.476	0.520	0.399	0.400	0.453	11.6
Naphthalene	1.173	1.025	0.928	1.004	0.964		1.019	9.2
1-Methylnaphthalene	0.701	0.716	0.618	0.704	0.674		0.683	5.7
2-Methylnaphthalene	0.583	0.651	0.569	0.647	0.635		0.617	6.2
Acenaphthylene	1.760	1.693	1.576	1.712	1.658		1.680	4.1
Acenaphthene	1.303	1.267	1.169	1.268	1.223		1.246	4.1
Fluorene	1.600	1.366	1.334	1.487	1.432		1.444	7.3
Pentachlorophenol		0.083	0.058	0.067	0.072	0.076	0.071	13.5
Phenanthrene	0.947	1.032	0.945	1.047	0.996		0.994	4.7
Anthracene	1.007	0.953	0.894	1.017	0.950		0.964	5.2
Fluoranthene	1.255	1.393	1.148	1.311	1.249		1.271	7.1
Pyrene	1.356	1.499	1.229	1.376	1.299		1.352	7.4
Benzo(a)anthracene	1.074	1.160	1.053	1.260	1.290		1.167	9.1
Chrysene	1.853	1.867	1.461	1.586	1.496		1.653	11.8
Benzo(b)fluoranthene	1.053	1.182	1.021	1.148	1.168		1.114	6.5
Benzo(k)fluoranthene	1.392	1.560	1.241	1.368	1.335		1.379	8.4
Benzo(a)pyrene	1.401	1.237	1.068	1.253	1.215		1.235	9.6
Indeno(1,2,3-cd)pyrene	1.673	1.832	1.551	1.740	1.709		1.701	6.0
Dibenzo(a,h)anthracene	1.386	1.439	1.193	1.396	1.386		1.360	7.0
Benzo(g,h,i)perylene	1.560	1.659	1.354	1.503	1.464		1.508	7.5
Fluoranthene-d10	0.956	1.054	0.933	1.059	1.019		1.004	5.7
2-Methylnaphthalene-d10	0.724	0.640	0.592	0.599	0.603		0.632	8.7

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.: BM050324 SAS No.: BM050324 SDG NO.: BM050324

EPA Sample No.: SSTD0.4038

Date Analyzed: May 2 2024 12:00AM

Lab File ID: BM045673.D

Time Analyzed: 20:37

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	206	7.576	684	10.35	455	14.20
	UPPER LIMIT	412	8.076	1368	10.847	910	14.696
	LOWER LIMIT	103	7.076	342	9.847	227.5	13.696
	EPA SAMPLE NO.						
01	SICV042	220	7.56	666	10.35	429	14.20
02	PB16060043	307	7.53	975	10.29	625	14.18
03	SBLK612	361	7.53	1139	10.29	705	14.18
04	SLCS416	278	7.54	775	10.34	509	14.20
05	SLCS612	217	7.56	725	10.34	479	14.20
06	C0AR1	279	7.53	899	10.29	573	14.18
07	C0AR3	286	7.53	866	10.29	565	14.17
08	C0AR4	285	7.53	882	10.29	590	14.17
09	C0AR7	260	7.53	833	10.29	555	14.18
10	C0AL2	290	7.53	974	10.28	819	14.17
11	SBLK612	525 *	7.52	1600 *	10.28	1003 *	14.17
12	C0AL2DL	294	7.53	866	10.29	621	14.17
13	C0SA1	342	7.52	1068	10.29	678	14.17
14	E1CX6	409	7.52	1240	10.29	855	14.17
15	C0SA2	350	7.52	1012	10.28	682	14.17
16	E1CX5	310	7.52	939	10.29	647	14.17
17	SBLK587	331	7.52	1037	10.29	697	14.17
18	SLCS587	203	7.54	766	10.34	539	14.19
19	E1CX6MS	237	7.55	812	10.30	632	14.18
20	E1CX6MSD	276	7.54	984	10.30	706	14.17
21	C0SA1DL	331	7.53	1067	10.30	673	14.18
22	E1CX6DL	371	7.53	1091	10.30	745	14.18
23	C0SA2DL	348	7.53	988	10.30	662	14.18



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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM050324 SAS No.: BM050324 SDG NO.: BM050324

EPA Sample No.: SSTD0.4038 Date Analyzed: May 3 2024 12:00AM

Lab File ID: BM045673.D Time Analyzed: 18:54

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	206	7.576	684	10.35	455	14.20
UPPER LIMIT	412	8.076	1368	10.847	910	14.696
LOWER LIMIT	103	7.076	342	9.847	227.5	13.696
EPA SAMPLE NO.						
24 E1CX5DL	263	7.54	807	10.31	550	14.18

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.



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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM050324 SAS No.: BM050324 SDG NO.: BM050324

EPA Sample No.: SSTD0.4109 Date Analyzed: May 3 2024 12:00AM

Lab File ID: BM045687.D Time Analyzed: 09:16

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	282	7.61	854	10.34	579	14.19
UPPER LIMIT	564	8.11	1708	10.836	1158	14.692
LOWER LIMIT	141	7.11	427	9.836	289.5	13.692
EPA SAMPLE NO.						
01 SBLK612	525	7.52	1600	10.28	1003	14.17
02 C0AL2DL	294	7.53	866	10.29	621	14.17
03 C0SA1	342	7.52	1068	10.29	678	14.17
04 E1CX6	409	7.52	1240	10.29	855	14.17
05 C0SA2	350	7.52	1012	10.28	682	14.17
06 E1CX5	310	7.52	939	10.29	647	14.17

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.: BM050324 SAS No.: BM050324 SDG NO.: BM050324

EPA Sample No.: SSTD0.4110 Date Analyzed: May 3 2024 12:00AM

Lab File ID: BM045694.D Time Analyzed: 14:38

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	263	7.542	929	10.33	642	14.19
UPPER LIMIT	526	8.042	1858	10.831	1284	14.686
LOWER LIMIT	131.5	7.042	464.5	9.831	321	13.686
EPA SAMPLE NO.						
01 SBLK587	331	7.52	1037	10.29	697	14.17
02 SLCS587	203	7.54	766	10.34	539	14.19
03 E1CX6MS	237	7.55	812	10.30	632	14.18
04 E1CX6MSD	276	7.54	984	10.30	706	14.17
05 COSA1DL	331	7.53	1067	10.30	673	14.18
06 E1CX6DL	371	7.53	1091	10.30	745	14.18
07 COSA2DL	348	7.53	988	10.30	662	14.18
08 E1CX5DL	263	7.54	807	10.31	550	14.18

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.: BM050324 SAS No.: BM050324 SDG NO.: BM050324

EPA Sample No.: SSTD0.4038 Date Analyzed: May 2 2024 12:00AM

Lab File ID: BM045673.D Time Analyzed: 20:37

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	1038	16.976	1142	21.186	1642	23.369
	UPPER LIMIT	2076	17.476	2284	21.686	3284	23.869
	LOWER LIMIT	519	16.476	571	20.686	821	22.869
	EPA SAMPLE NO.						
01	SICV042	951	16.97	1007	21.19	1400	23.37
02	PB16060043	1407	16.94	1334	21.20	1201	23.36
03	SBLK612	1666	16.94	1613	21.19	1587	23.36
04	SLCS416	1065	17.08	1119	21.18	1646	23.37
05	SLCS612	1073	16.97	1111	21.19	1510	23.37
06	C0AR1	1298	16.94	1303	21.19	1366	23.36
07	C0AR3	1255	16.94	1246	21.19	1206	23.36
08	C0AR4	1391	16.94	1332	21.18	1398	23.35
09	C0AR7	1269	16.94	1252	21.18	1329	23.35
10	C0AL2	2065	16.93	2507 *	21.16	3143	23.33
11	SBLK612	2319 *	16.94	2417 *	21.18	2645	23.36
12	C0AL2DL	1673	16.94	1932	21.16	2566	23.34
13	C0SA1	1682	16.94	2092	21.16	2622	23.34
14	E1CX6	2045	16.94	2386 *	21.16	2741	23.33
15	C0SA2	1735	16.94	1964	21.16	2970	23.34
16	E1CX5	1490	16.94	1805	21.16	2203	23.34
17	SBLK587	1692	16.94	1679	21.18	2044	23.34
18	SLCS587	1303	16.97	1354	21.18	1904	23.36
19	E1CX6MS	1406	16.94	1765	21.16	2488	23.33
20	E1CX6MSD	1569	16.94	1904	21.16	2606	23.33
21	C0SA1DL	1598	16.94	1820	21.16	2581	23.33

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM050324 SAS No.: BM050324 SDG NO.: BM050324

EPA Sample No.: SSTD0.4038 Date Analyzed: May 3 2024 12:00AM

Lab File ID: BM045673.D Time Analyzed: 17:41

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1038	16.976	1142	21.186	1642	23.369
UPPER LIMIT	2076	17.476	2284	21.686	3284	23.869
LOWER LIMIT	519	16.476	571	20.686	821	22.869
EPA SAMPLE NO.						
22 E1CX6DL	1635	16.95	1879	21.16	2731	23.34
23 C0SA2DL	1567	16.94	1705	21.17	2256	23.34
24 E1CX5DL	1203	16.95	1333	21.17	1777	23.35

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.: BM050324 SAS No.: BM050324 SDG NO.: BM050324

EPA Sample No.: SSTD0.4109 Date Analyzed: May 3 2024 12:00AM

Lab File ID: BM045687.D Time Analyzed: 09:16

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	1305	16.981	1321	21.181	1831	23.364
UPPER LIMIT	2610	17.481	2642	21.681	3662	23.864
LOWER LIMIT	652.5	16.481	660.5	20.681	915.5	22.864
EPA SAMPLE NO.						
01 SBLK612	2319	16.94	2417	21.18	2645	23.36
02 C0AL2DL	1673	16.94	1932	21.16	2566	23.34
03 C0SA1	1682	16.94	2092	21.16	2622	23.34
04 E1CX6	2045	16.94	2386	21.16	2741	23.33
05 C0SA2	1735	16.94	1964	21.16	2970	23.34
06 E1CX5	1490	16.94	1805	21.16	2203	23.34

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.: BM050324 SAS No.: BM050324 SDG NO.: BM050324

EPA Sample No.: SSTD0.4110 Date Analyzed: May 3 2024 12:00AM

Lab File ID: BM045694.D Time Analyzed: 14:38

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1463	16.963	1518	21.173	2209	23.353
UPPER LIMIT	2926	17.463	3036	21.673	4418	23.853
LOWER LIMIT	731.5	16.463	759	20.673	1104.5	22.853
EPA SAMPLE NO.						
01 SBLK587	1692	16.94	1679	21.18	2044	23.34
02 SLCS587	1303	16.97	1354	21.18	1904	23.36
03 E1CX6MS	1406	16.94	1765	21.16	2488	23.33
04 E1CX6MSD	1569	16.94	1904	21.16	2606	23.33
05 C0SA1DL	1598	16.94	1820	21.16	2581	23.33
06 E1CX6DL	1635	16.95	1879	21.16	2731	23.34
07 C0SA2DL	1567	16.94	1705	21.17	2256	23.34
08 E1CX5DL	1203	16.95	1333	21.17	1777	23.35

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM050324

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
SSTDICV0.4	1,4-Dioxane	0.4	0	ug/L	0				0	0		
	Naphthalene	0.4	0	ug/L	0				0	0		
	1-Methylnaphthalene	0.4	0	ug/L	0				0	0		
	2-Methylnaphthalene	0.4	0	ug/L	0				0	0		
	Acenaphthylene	0.4	0	ug/L	0				0	0		
	Acenaphthene	0.4	0	ug/L	0				0	0		
	Fluorene	0.4	0	ug/L	0				0	0		
	Pentachlorophenol	0.4	0	ug/L	0				0	0		
	Phenanthrene	0.4	0	ug/L	0				0	0		
	Anthracene	0.4	0	ug/L	0				0	0		
	Fluoranthene	0.4	0	ug/L	0				0	0		
	Pyrene	0.4	0	ug/L	0				0	0		
	Benzo(a)anthracene	0.4	0	ug/L	0				0	0		
	Chrysene	0.4	0	ug/L	0				0	0		
	Benzo(b)fluoranthene	0.4	0	ug/L	0				0	0		
	Benzo(k)fluoranthene	0.4	0	ug/L	0				0	0		
	Benzo(a)pyrene	0.4	0	ug/L	0				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0	ug/L	0				0	0		
	Dibenzo(a,h)anthracene	0.4	0	ug/L	0				0	0		
	Benzo(g,h,i)perylene	0.4	0	ug/L	0				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM050324

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160416BS	1,4-Dioxane	2	1.5	ug/L	75				0	0		
	Naphthalene	0.4	0.36	ug/L	90				0	0		
	1-Methylnaphthalene	0.4	0.33	ug/L	83				0	0		
	2-Methylnaphthalene	0.4	0.35	ug/L	88				0	0		
	Acenaphthylene	0.4	0.35	ug/L	88				0	0		
	Acenaphthene	0.4	0.34	ug/L	85				0	0		
	Fluorene	0.4	0.35	ug/L	88				0	0		
	Pentachlorophenol	0.8	0.74	ug/L	93				0	0		
	Phenanthrene	0.4	0.41	ug/L	103				0	0		
	Anthracene	0.4	0.4	ug/L	100				0	0		
	Fluoranthene	0.4	0.38	ug/L	95				0	0		
	Pyrene	0.4	0.4	ug/L	100				0	0		
	Benzo(a)anthracene	0.4	0.39	ug/L	98				0	0		
	Chrysene	0.4	0.39	ug/L	98				0	0		
	Benzo(b)fluoranthene	0.4	0.37	ug/L	93				0	0		
	Benzo(k)fluoranthene	0.4	0.38	ug/L	95				0	0		
	Benzo(a)pyrene	0.4	0.36	ug/L	90				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0.37	ug/L	93				0	0		
	Dibenzo(a,h)anthracene	0.4	0.37	ug/L	93				0	0		
	Benzo(g,h,i)perylene	0.4	0.37	ug/L	93				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM050324

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160587BS	1,4-Dioxane	66.7	67	ug/Kg	100				0	0		
	Naphthalene	13.3	11	ug/Kg	83				0	0		
	1-Methylnaphthalene	13.3	10	ug/Kg	75				0	0		
	2-Methylnaphthalene	13.3	11	ug/Kg	83				0	0		
	Acenaphthylene	13.3	11	ug/Kg	83				0	0		
	Acenaphthene	13.3	11	ug/Kg	83				0	0		
	Fluorene	13.3	11	ug/Kg	83				0	0		
	Pentachlorophenol	26.7	22	ug/Kg	82				0	0		
	Phenanthrene	13.3	11	ug/Kg	83				0	0		
	Anthracene	13.3	11	ug/Kg	83				0	0		
	Fluoranthene	13.3	11	ug/Kg	83				0	0		
	Pyrene	13.3	11	ug/Kg	83				0	0		
	Benzo(a)anthracene	13.3	12	ug/Kg	90				0	0		
	Chrysene	13.3	11	ug/Kg	83				0	0		
	Benzo(b)fluoranthene	13.3	12	ug/Kg	90				0	0		
	Benzo(k)fluoranthene	13.3	11	ug/Kg	83				0	0		
	Benzo(a)pyrene	13.3	11	ug/Kg	83				0	0		
	Indeno(1,2,3-cd)pyrene	13.3	12	ug/Kg	90				0	0		
	Dibenzo(a,h)anthracene	13.3	12	ug/Kg	90				0	0		
	Benzo(g,h,i)perylene	13.3	12	ug/Kg	90				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM050324

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160612BS	1,4-Dioxane	2	1.8	ug/L	90				0	0	
	Naphthalene	0.4	0.36	ug/L	90				0	0	
	1-Methylnaphthalene	0.4	0.35	ug/L	88				0	0	
	2-Methylnaphthalene	0.4	0.35	ug/L	88				0	0	
	Acenaphthylene	0.4	0.34	ug/L	85				0	0	
	Acenaphthene	0.4	0.36	ug/L	90				0	0	
	Fluorene	0.4	0.35	ug/L	88				0	0	
	Pentachlorophenol	0.8	0.68	ug/L	85				0	0	
	Phenanthrene	0.4	0.38	ug/L	95				0	0	
	Anthracene	0.4	0.36	ug/L	90				0	0	
	Fluoranthene	0.4	0.36	ug/L	90				0	0	
	Pyrene	0.4	0.36	ug/L	90				0	0	
	Benzo(a)anthracene	0.4	0.34	ug/L	85				0	0	
	Chrysene	0.4	0.38	ug/L	95				0	0	
	Benzo(b)fluoranthene	0.4	0.38	ug/L	95				0	0	
	Benzo(k)fluoranthene	0.4	0.37	ug/L	93				0	0	
	Benzo(a)pyrene	0.4	0.36	ug/L	90				0	0	
	Indeno(1,2,3-cd)pyrene	0.4	0.37	ug/L	93				0	0	
	Dibenzo(a,h)anthracene	0.4	0.37	ug/L	93				0	0	
	Benzo(g,h,i)perylene	0.4	0.37	ug/L	93				0	0	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB16060043

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM050324

SAS No.: BM050324 SDG NO.: BM050324

Lab File ID: BM045678.D

Lab Sample ID: PB160600BL

Instrument ID: BNA_M

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 05/02/2024

Level: (low/med) LOW

Time Analyzed: 21:51

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

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

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SLCS416

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM050324

SAS No.: BM050324 SDG NO.: BM050324

Lab File ID: BM045680.D

Lab Sample ID: PB160416BS

Instrument ID: BNA_M

Date Extracted: 04/20/2024

Matrix: (soil/water) Water

Date Analyzed: 05/02/2024

Level: (low/med) LOW

Time Analyzed: 23:05

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160416BS	PB160416BS	BM045680.D	05/02/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK587

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM050324

SAS No.: BM050324 SDG NO.: BM050324

Lab File ID: BM045695.D

Lab Sample ID: PB160587BL

Instrument ID: BNA_M

Date Extracted: 04/29/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/03/2024

Level: (low/med) LOW

Time Analyzed: 14:38

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160587BS	PB160587BS	BM045696.D	05/03/2024
E1CX6MS	P2238-10MS	BM045697.D	05/03/2024
E1CX6MSD	P2238-11MSD	BM045698.D	05/03/2024
C0SA1	P2234-01	BM045690.D	05/03/2024
E1CX6	P2238-02	BM045691.D	05/03/2024
C0SA2	P2234-02	BM045692.D	05/03/2024
E1CX5	P2238-01	BM045693.D	05/03/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK612

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM050324

SAS No.: BM050324 SDG NO.: BM050324

Lab File ID: BM045679.D

Lab Sample ID: PB160612BL

Instrument ID: BNA_M

Date Extracted: 04/29/2024

Matrix: (soil/water) Water

Date Analyzed: 05/02/2024

Level: (low/med) LOW

Time Analyzed: 22:28

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160612BS	PB160612BS	BM045681.D	05/02/2024
C0AR1	P2251-07	BM045682.D	05/03/2024
C0AR3	P2251-08	BM045683.D	05/03/2024
C0AR4	P2251-09	BM045684.D	05/03/2024
C0AR7	P2251-10	BM045685.D	05/03/2024
C0AL2	P2305-01	BM045686.D	05/03/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM050324

Client: _____

Analytical Method: SFAM_SVOASIM

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2238-10MS	Client Sample ID:	E1CX6MS					DataFile:	BM045697.D		
1,4-Dioxane	72.6		33	ug/Kg	45				15	120	
Naphthalene	14.5	12	21	ug/Kg	62				0	0	
1-Methylnaphthalene	14.5	4.5	14	ug/Kg	66				0	0	
2-Methylnaphthalene	14.5	9.1	20	ug/Kg	75				0	0	
Acenaphthylene	14.5	4.3	12	ug/Kg	53				0	0	
Acenaphthene	14.5	18	31	ug/Kg	90				31	137	
Fluorene	14.5	10	21	ug/Kg	76				0	0	
Pentachlorophenol	29.1		0	ug/Kg	0	*			17	109	
Phenanthrene	14.5	100	140	ug/Kg	276				0	0	
Anthracene	14.5	21	34	ug/Kg	90				0	0	
Fluoranthene	14.5	130	160	ug/Kg	207				0	0	
Pyrene	14.5	120	140	ug/Kg	138				35	142	
Benzo(a)anthracene	14.5	130	140	ug/Kg	69				0	0	
Chrysene	14.5	100	120	ug/Kg	138				0	0	
Benzo(b)fluoranthene	14.5	350	320	ug/Kg	-207				0	0	
Benzo(k)fluoranthene	14.5	100	95	ug/Kg	-34				0	0	
Benzo(a)pyrene	14.5	240	230	ug/Kg	-69				0	0	
Indeno(1,2,3-cd)pyrene	14.5	180	170	ug/Kg	-69				0	0	
Dibenzo(a,h)anthracene	14.5	53	54	ug/Kg	7				0	0	
Benzo(g,h,i)perylene	14.5	230	210	ug/Kg	-138				0	0	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM050324

Client: _____

Analytical Method: SFAM_SVOASIM

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2238-11MSD	Client Sample ID:	E1CX6MSD					DataFile:	BM045698.D		
1,4-Dioxane	72.6		33	ug/Kg	45		0		15	120	50
Naphthalene	14.5	12	21	ug/Kg	62		0		0	0	0
1-Methylnaphthalene	14.5	4.5	14	ug/Kg	66		0		0	0	0
2-Methylnaphthalene	14.5	9.1	19	ug/Kg	68		10	*	0	0	0
Acenaphthylene	14.5	4.3	12	ug/Kg	53		0		0	0	0
Acenaphthene	14.5	18	31	ug/Kg	90		0		31	137	19
Fluorene	14.5	10	20	ug/Kg	69		10	*	0	0	0
Pentachlorophenol	29			ug/Kg	0	*			17	109	47
Phenanthrene	14.5	100	140	ug/Kg	276		0		0	0	0
Anthracene	14.5	21	33	ug/Kg	83		8	*	0	0	0
Fluoranthene	14.5	130	160	ug/Kg	207		0		0	0	0
Pyrene	14.5	120	140	ug/Kg	138		0		35	142	36
Benzo(a)anthracene	14.5	130	140	ug/Kg	69		0		0	0	0
Chrysene	14.5	100	110	ug/Kg	69		67	*	0	0	0
Benzo(b)fluoranthene	14.5	350	310	ug/Kg	-276		29	*	0	0	0
Benzo(k)fluoranthene	14.5	100	100	ug/Kg	0		200	*	0	0	0
Benzo(a)pyrene	14.5	240	230	ug/Kg	-69		0		0	0	0
Indeno(1,2,3-cd)pyrene	14.5	180	170	ug/Kg	-69		0		0	0	0
Dibenzo(a,h)anthracene	14.5	53	53	ug/Kg	0		200	*	0	0	0
Benzo(g,h,i)perylene	14.5	230	210	ug/Kg	-138		0		0	0	0



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

Surrogate Summary

SW-846

SDG No.: BM050324

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
PB160600BL	PB160600BL	BM045678.D	1,4-Dioxane-d8	8	5,354.00	66925	*	15	120
			Fluoranthene-d10	0.4	325.00	81250	*	30	130
			2-Methylnaphthalene-d10	0.4	266.00	66500	*	30	130



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

Surrogate Summary

SW-846

SDG No.: BM050324

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
PB160416BS	PB160416BS	BM045680.D	1,4-Dioxane-d8	0.8	0.67	83		15	120
			Fluoranthene-d10	0.4	0.38	95		30	130
			2-Methylnaphthalene-d10	0.4	0.33	82		30	130

Surrogate Summary

SW-846

SDG No.: **BM050324**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2234-01	C0SA1	BM045690.D	1,4-Dioxane-d8	8	2.50	31		15	120
			Fluoranthene-d10	0.4	0.20	51		30	130
			2-Methylnaphthalene-d10	0.4	0.19	48		20	140
P2234-01DL	C0SA1DL	BM045699.D	1,4-Dioxane-d8	8	3.31	41		15	120
			Fluoranthene-d10	0.4	0.24	59		30	130
			2-Methylnaphthalene-d10	0.4	0.20	49		20	140
P2234-02	C0SA2	BM045692.D	1,4-Dioxane-d8	8	3.45	43		15	120
			Fluoranthene-d10	0.4	0.26	65		30	130
			2-Methylnaphthalene-d10	0.4	0.25	61		20	140
P2234-02DL	C0SA2DL	BM045701.D	1,4-Dioxane-d8	8	3.26	41		15	120
			Fluoranthene-d10	0.4	0.25	61		30	130
			2-Methylnaphthalene-d10	0.4	0.20	50		20	140
P2238-01	E1CX5	BM045693.D	1,4-Dioxane-d8	8	2.90	36		15	120
			Fluoranthene-d10	0.4	0.22	56		30	130
			2-Methylnaphthalene-d10	0.4	0.21	52		20	140
P2238-01DL	E1CX5DL	BM045702.D	1,4-Dioxane-d8	8	2.87	36		15	120
			Fluoranthene-d10	0.4	0.22	54		30	130
			2-Methylnaphthalene-d10	0.4	0.18	44		20	140
P2238-02	E1CX6	BM045691.D	1,4-Dioxane-d8	8	3.45	43		15	120
			Fluoranthene-d10	0.4	0.26	65		30	130
			2-Methylnaphthalene-d10	0.4	0.26	66		20	140
P2238-02DL	E1CX6DL	BM045700.D	1,4-Dioxane-d8	8	3.88	49		15	120
			Fluoranthene-d10	0.4	0.28	70		30	130
			2-Methylnaphthalene-d10	0.4	0.29	71		20	140
P2238-10MS	E1CX6MS	BM045697.D	1,4-Dioxane-d8	0.8	0.48	60		15	120
			Fluoranthene-d10	0.4	0.22	55		30	130
			2-Methylnaphthalene-d10	0.4	0.23	57		20	140
P2238-11MSD	E1CX6MSD	BM045698.D	1,4-Dioxane-d8	0.8	0.37	46		15	120
			Fluoranthene-d10	0.4	0.22	56		30	130
			2-Methylnaphthalene-d10	0.4	0.23	58		20	140
PB160587BL	PB160587BL	BM045695.D	1,4-Dioxane-d8	8	4.32	54		15	120
			Fluoranthene-d10	0.4	0.27	67		30	130
			2-Methylnaphthalene-d10	0.4	0.23	58		20	140
PB160587BS	PB160587BS	BM045696.D	1,4-Dioxane-d8	0.8	0.74	93		15	120
			Fluoranthene-d10	0.4	0.30	74		30	130
			2-Methylnaphthalene-d10	0.4	0.29	73		20	140

Surrogate Summary

SW-846

SDG No.: **BM050324**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2251-07	C0AR1	BM045682.D	1,4-Dioxane-d8	8	3.58	45		15	120
			Fluoranthene-d10	0.4	0.35	88		30	130
			2-Methylnaphthalene-d10	0.4	0.29	72		30	130
P2251-08	C0AR3	BM045683.D	1,4-Dioxane-d8	8	3.55	44		15	120
			Fluoranthene-d10	0.4	0.37	93		30	130
			2-Methylnaphthalene-d10	0.4	0.29	72		30	130
P2251-09	C0AR4	BM045684.D	1,4-Dioxane-d8	8	4.87	61		15	120
			Fluoranthene-d10	0.4	0.40	99		30	130
			2-Methylnaphthalene-d10	0.4	0.32	81		30	130
P2251-10	C0AR7	BM045685.D	1,4-Dioxane-d8	8	4.86	61		15	120
			Fluoranthene-d10	0.4	0.42	105		30	130
			2-Methylnaphthalene-d10	0.4	0.33	82		30	130
P2305-01	C0AL2	BM045686.D	1,4-Dioxane-d8	8	4.28	54		15	120
			Fluoranthene-d10	0.4	0.41	102		30	130
			2-Methylnaphthalene-d10	0.4	0.36	89		30	130
P2305-01DL	C0AL2DL	BM045689.D	1,4-Dioxane-d8	8	4.46	56		15	120
			Fluoranthene-d10	0.4	0.44	110		30	130
			2-Methylnaphthalene-d10	0.4	0.38	95		30	130
PB160612BL	PB160612BL	BM045688.D	1,4-Dioxane-d8	8	4.37	55		15	120
		BM045679.D	1,4-Dioxane-d8	8	4.51	56		15	120
			Fluoranthene-d10	0.4	0.26	65		30	130
		BM045688.D	Fluoranthene-d10	0.4	0.27	68		30	130
			2-Methylnaphthalene-d10	0.4	0.23	58		30	130
		BM045679.D	2-Methylnaphthalene-d10	0.4	0.22	54		30	130
PB160612BS	PB160612BS	BM045681.D	1,4-Dioxane-d8	0.8	0.94	117		15	120
			Fluoranthene-d10	0.4	0.36	89		30	130
			2-Methylnaphthalene-d10	0.4	0.33	82		30	130

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM050324

Lab Code: CHEM

SAS No.: BM050324

SDG NO.: BM050324

Lab File ID: BM045670.D

DFTPP Injection Date: 05/02/2024

Instrument ID: BNA_M

DFTPP Injection Time: 16:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	73.9
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	56.6
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	58.2
197	Less than 2.0% of mass 198	1.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	30
365	Greater than 1% of mass 198	5.7
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	83.5
443	15.0 - 24.0% of mass 442	16.4 (19.6) 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
SSTD0.1036	SSTD0.127	BM045671.D	05/02/2024	16:53
SSTD0.2037	SSTD0.228	BM045672.D	05/02/2024	17:30
SSTD0.4038	SSTD0.429	BM045673.D	05/02/2024	18:07
SSTD0.8039	SSTD0.830	BM045674.D	05/02/2024	18:45
SSTD1.6040	SSTD1.631	BM045675.D	05/02/2024	19:22
SSTD3.2041	SSTD3.232	BM045676.D	05/02/2024	20:00
SICV042	SSTDICV0.4	BM045677.D	05/02/2024	20:37
PB16060043	PB160600BL	BM045678.D	05/02/2024	21:51
SBLK612	PB160612BL	BM045679.D	05/02/2024	22:28
SLCS416	PB160416BS	BM045680.D	05/02/2024	23:05
SLCS612	PB160612BS	BM045681.D	05/02/2024	23:42
C0AR1	P2251-07	BM045682.D	05/03/2024	00:19
C0AR3	P2251-08	BM045683.D	05/03/2024	00:56
C0AR4	P2251-09	BM045684.D	05/03/2024	01:33
C0AR7	P2251-10	BM045685.D	05/03/2024	02:10
C0AL2	P2305-01	BM045686.D	05/03/2024	02:46
SSTD0.4109	SSTDCCC0.4	BM045687.D	05/03/2024	04:00
SBLK612	PB160612BL	BM045688.D	05/03/2024	09:16

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM050324

Lab Code: CHEM

SAS No.: BM050324

SDG NO.: BM050324

Lab File ID: BM045670.D

DFTPP Injection Date: 05/02/2024

Instrument ID: BNA_M

DFTPP Injection Time: 16:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	73.9
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	56.6
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	58.2
197	Less than 2.0% of mass 198	1.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	30
365	Greater than 1% of mass 198	5.7
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	83.5
443	15.0 - 24.0% of mass 442	16.4 (19.6) 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
C0AL2DL	P2305-01DL	BM045689.D	05/03/2024	10:02
C0SA1	P2234-01	BM045690.D	05/03/2024	11:25
E1CX6	P2238-02	BM045691.D	05/03/2024	12:12
C0SA2	P2234-02	BM045692.D	05/03/2024	12:49
E1CX5	P2238-01	BM045693.D	05/03/2024	13:25
SSTD0.4110	SSTDCCC0.4	BM045694.D	05/03/2024	14:02
SBLK587	PB160587BL	BM045695.D	05/03/2024	14:38
SLCS587	PB160587BS	BM045696.D	05/03/2024	15:14
E1CX6MS	P2238-10MS	BM045697.D	05/03/2024	15:51
E1CX6MSD	P2238-11MSD	BM045698.D	05/03/2024	16:28
C0SA1DL	P2234-01DL	BM045699.D	05/03/2024	17:04
E1CX6DL	P2238-02DL	BM045700.D	05/03/2024	17:41
C0SA2DL	P2234-02DL	BM045701.D	05/03/2024	18:17
E1CX5DL	P2238-01DL	BM045702.D	05/03/2024	18:54
SSTD0.4111	SSTDCCC0.4EC	BM045703.D	05/03/2024	20:07