

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM110624 SAS No.: BM110624 SDG No.: BM110624

Instrument ID: BNA_M Calibration Date/Time: 11/6/2024 1:19:58

Lab File ID: BM048484.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4076 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.555	0.710	0.010	27.9108	40.0
1,4-Dioxane-d8	0.483	0.579	0.010	20.0445	40.0
Naphthalene	1.002	1.008	0.600	0.5958	30.0
1-Methylnaphthalene	0.646	0.645	0.300	-0.1543	30.0
2-Methylnaphthalene	0.630	0.599	0.300	-5.0554	30.0
Acenaphthylene	1.519	1.539	0.900	1.2885	30.0
Acenaphthene	1.215	1.240	0.500	2.0599	30.0
Fluorene	1.320	1.321	0.700	0.0195	30.0
Pentachlorophenol	0.147	0.097	0.010	-34.0683	50.0
Phenanthrene	1.051	0.995	0.300	-5.2508	30.0
Anthracene	0.978	0.871	0.400	-10.8984	30.0
Fluoranthene	1.481	1.502	0.400	1.4256	30.0
Pyrene	1.607	1.610	0.500	0.1497	30.0
Benzo (a) anthracene	1.310	1.138	0.400	-13.1341	30.0
Chrysene	1.571	1.670	0.400	6.2962	30.0
Benzo (b) fluoranthene	1.246	1.229	0.200	-1.4197	30.0
Benzo (k) fluoranthene	1.462	1.549	0.200	6.0081	30.0
Benzo (a) pyrene	1.217	1.245	0.200	2.3046	30.0
Indeno (1,2,3-cd) pyrene	1.699	1.653	0.200	-2.7323	30.0
Dibenzo (a,h) anthracene	1.322	1.274	0.200	-3.6101	30.0
Benzo (g,h,i) perylene	1.426	1.437	0.200	0.7186	30.0
Fluoranthene-d10	1.123	1.140	0.400	1.5446	30.0
2-Methylnaphthalene-d10	0.517	0.497	0.300	-3.9623	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.: BM110624 SAS No.: BM110624 SDG No.: BM110624

Instrument ID: BNA_M Calibration Date/Time: 11/7/2024 1:07:26

Lab File ID: BM048502.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4077 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.555	0.580	0.010	4.51	50.0
1,4-Dioxane-d8	0.483	0.494	0.010	2.4413	50.0
Naphthalene	1.002	1.012	0.600	0.9629	50.0
1-Methylnaphthalene	0.646	0.663	0.300	2.6272	50.0
2-Methylnaphthalene	0.630	0.606	0.300	-3.8817	50.0
Acenaphthylene	1.519	1.576	0.900	3.7439	50.0
Acenaphthene	1.215	1.214	0.500	-0.0438	50.0
Fluorene	1.320	1.299	0.700	-1.647	50.0
Pentachlorophenol	0.147	0.102	0.010	-30.6302	50.0
Phenanthrene	1.051	0.992	0.300	-5.6138	50.0
Anthracene	0.978	0.906	0.400	-7.3555	50.0
Fluoranthene	1.481	1.454	0.400	-1.8021	50.0
Pyrene	1.607	1.557	0.500	-3.1222	50.0
Benzo (a) anthracene	1.310	1.264	0.400	-3.4928	50.0
Chrysene	1.571	1.592	0.400	1.354	50.0
Benzo (b) fluoranthene	1.246	1.234	0.200	-0.9885	50.0
Benzo (k) fluoranthene	1.462	1.426	0.200	-2.4551	50.0
Benzo (a) pyrene	1.217	1.230	0.200	1.1233	50.0
Indeno (1,2,3-cd) pyrene	1.699	1.660	0.200	-2.3224	50.0
Dibenzo (a,h) anthracene	1.322	1.284	0.200	-2.8652	50.0
Benzo (g,h,i) perylene	1.426	1.375	0.200	-3.5903	50.0
Fluoranthene-d10	1.123	1.083	0.400	-3.5912	50.0
2-Methylnaphthalene-d10	0.517	0.492	0.300	-4.8824	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.: BM110624 SAS No.: BM110624 SDG No.: BM110624

Instrument ID: BNA_M Calibration Date/Time: 11/6/2024 1:14:44

Lab File ID: BM048477.D Init. Calib. Date(s): _____

EPA Sample No.: SICV040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.555	0.569	0.010	2.5006	40.0
1,4-Dioxane-d8	0.483	0.492	0.010	1.8519	40.0
Naphthalene	1.002	1.071	0.600	6.8997	30.0
1-Methylnaphthalene	0.646	0.626	0.300	-3.1135	30.0
2-Methylnaphthalene	0.630	0.651	0.300	3.2339	30.0
Acenaphthylene	1.519	1.727	0.900	13.7005	30.0
Acenaphthene	1.215	1.225	0.500	0.8316	30.0
Fluorene	1.320	1.375	0.700	4.1769	30.0
Pentachlorophenol	0.147	0.140	0.010	-4.8172	50.0
Phenanthrene	1.051	1.099	0.300	4.6179	30.0
Anthracene	0.978	1.015	0.400	3.7596	30.0
Fluoranthene	1.481	1.517	0.400	2.4189	30.0
Pyrene	1.607	1.634	0.500	1.6988	30.0
Benzo (a) anthracene	1.310	1.287	0.400	-1.6986	30.0
Chrysene	1.571	1.672	0.400	6.3941	30.0
Benzo (b) fluoranthene	1.246	1.326	0.200	6.4178	30.0
Benzo (k) fluoranthene	1.462	1.598	0.200	9.3196	30.0
Benzo (a) pyrene	1.217	1.340	0.200	10.1148	30.0
Indeno (1,2,3-cd) pyrene	1.699	1.773	0.200	4.3328	30.0
Dibenzo (a,h) anthracene	1.322	1.375	0.200	3.9771	30.0
Benzo (g,h,i) perylene	1.426	1.502	0.200	5.3149	30.0
Fluoranthene-d10	1.123	1.182	0.400	5.2279	30.0
2-Methylnaphthalene-d10	0.517	0.538	0.300	4.0412	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:	SSTD0.4076			SDG No.:	BM110624		
Lab Sample ID:	SSTDCCC0.4			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
BM048470.D	1		11/6/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	790		29	0	200	ug/L
91-20-3	Naphthalene	390		4.3	50	100	ug/L
90-12-0	1-Methylnaphthalene	420		15	50	100	ug/L
91-57-6	2-Methylnaphthalene	320		5.3	50	100	ug/L
208-96-8	Acenaphthylene	370		12	50	100	ug/L
83-32-9	Acenaphthene	390		7.4	50	100	ug/L
86-73-7	Fluorene	370		6.7	50	100	ug/L
87-86-5	Pentachlorophenol	180	J	63	100	200	ug/L
85-01-8	Phenanthrene	350		6.8	50	100	ug/L
120-12-7	Anthracene	320		8	50	100	ug/L
206-44-0	Fluoranthene	380		7.9	50	100	ug/L
129-00-0	Pyrene	380		6	50	100	ug/L
56-55-3	Benzo(a)anthracene	290		3.6	50	100	ug/L
218-01-9	Chrysene	460		7.7	50	100	ug/L
205-99-2	Benzo(b)fluoranthene	390		13	50	100	ug/L
207-08-9	Benzo(k)fluoranthene	440		9.8	50	100	ug/L
50-32-8	Benzo(a)pyrene	400		17	50	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	370		17	50	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	360		14	50	100	ug/L
191-24-2	Benzo(g,h,i)perylene	410		22	50	100	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	733	*	15-120		9163	SPK: -8
93951-69-0	Fluoranthene-d10	379	*	30-130		94750	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	352	*	30-130		88000	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1800		7.779			
1146-65-2	Naphthalene-d8	8434		10.55			
15067-26-2	Acenaphthene-d10	4772		14.367			

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SSTD0.4076			SDG No.:	BM110624		
Lab Sample ID:	SSTDCCC0.4			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
BM048470.D	1		11/6/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9069	17.136				
1719-03-5	Chrysene-d12	8316	21.295				
1520-96-3	Perylene-d12	8925	23.531				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	29	U			99	ug/L

Report of Analysis

Client:		Date Collected:	11/1/2024 12:00:00 AM
Project:		Date Received:	11/1/2024 12:00:00 AM
Client Sample ID:	SBLK609	SDG No.:	BM110624
Lab Sample ID:	PB164609BL	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
BM048478.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

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	4.823		15-120		60	SPK: -8
93951-69-0	Fluoranthene-d10	0.308		30-130		77	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.268		20-140		67	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4054		7.678			
1146-65-2	Naphthalene-d8	12792		10.464			
15067-26-2	Acenaphthene-d10	6778		14.322			

Report of Analysis

Client:		Date Collected:	11/1/2024 12:00:00 AM
Project:		Date Received:	11/1/2024 12:00:00 AM
Client Sample ID:	SBLK609	SDG No.:	BM110624
Lab Sample ID:	PB164609BL	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
BM048478.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	13202	17.069				
1719-03-5	Chrysene-d12	10258	21.277				
1520-96-3	Perylene-d12	8337	23.487				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/4/2024 12:00:00 AM
Project:		Date Received:	11/4/2024 12:00:00 AM
Client Sample ID:	SLCS673	SDG No.:	BM110624
Lab Sample ID:	PB164673BS	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
BM048479.D	1	11/4/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164673

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	0.37		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.36		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.37		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.38		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.38		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.38		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.77		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.39		0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.37		0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.4		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	0.37		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.45		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.42		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.46		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.43		0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.43		0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.43		0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.44		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.807		15-120		101	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.441		30-130		110	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.418		30-130		104	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3191	7.687				
1146-65-2	Naphthalene-d8	9955	10.475				
15067-26-2	Acenaphthene-d10	5397	14.331				

Report of Analysis

Client:		Date Collected:	11/4/2024 12:00:00 AM
Project:		Date Received:	11/4/2024 12:00:00 AM
Client Sample ID:	SLCS673	SDG No.:	BM110624
Lab Sample ID:	PB164673BS	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
BM048479.D	1	11/4/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164673

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	9898	17.086				
1719-03-5	Chrysene-d12	8713	21.269				
1520-96-3	Perylene-d12	9585	23.501				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	C0PI6	SDG No.:	BM110624
Lab Sample ID:	P4634-03	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	14.5
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048480.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1	U	1	0	7.8	ug/Kg
91-20-3	Naphthalene	0.23	U	0.23	0.96	3.8	ug/Kg
90-12-0	1-Methylnaphthalene	0.61	U	0.61	0.96	3.8	ug/Kg
91-57-6	2-Methylnaphthalene	0.22	U	0.22	0.96	3.8	ug/Kg
208-96-8	Acenaphthylene	0.38	U	0.38	0.96	3.8	ug/Kg
83-32-9	Acenaphthene	0.21	U	0.21	0.96	3.8	ug/Kg
86-73-7	Fluorene	0.26	U	0.26	0.96	3.8	ug/Kg
87-86-5	Pentachlorophenol	2.3	U	2.3	2	7.8	ug/Kg
85-01-8	Phenanthrene	0.21	U	0.21	0.96	3.8	ug/Kg
120-12-7	Anthracene	0.2	U	0.2	0.96	3.8	ug/Kg
206-44-0	Fluoranthene	0.21	U	0.21	0.96	3.8	ug/Kg
129-00-0	Pyrene	0.28	U	0.28	0.96	3.8	ug/Kg
56-55-3	Benzo(a)anthracene	0.11	U	0.11	0.96	3.8	ug/Kg
218-01-9	Chrysene	0.29	U	0.29	0.96	3.8	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.55	U	0.55	0.96	3.8	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.37	U	0.37	0.96	3.8	ug/Kg
50-32-8	Benzo(a)pyrene	0.37	U	0.37	0.96	3.8	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.61	U	0.61	0.96	3.8	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.55	U	0.55	0.96	3.8	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.87	U	0.87	0.96	3.8	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.205		15-120		65	SPK: -8
93951-69-0	Fluoranthene-d10	0.378		30-130		94	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.334		20-140		83	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3631		7.678			
1146-65-2	Naphthalene-d8	11533		10.462			
15067-26-2	Acenaphthene-d10	6233		14.325			

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	C0PI6	SDG No.:	BM110624
Lab Sample ID:	P4634-03	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	14.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048480.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12143	17.068				
1719-03-5	Chrysene-d12	9762	21.275				
1520-96-3	Perylene-d12	7947	23.49				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	CC0P1	SDG No.:	BM110624
Lab Sample ID:	P4634-06	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	4.7
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048481.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.93	U	0.93	0	7	ug/Kg
91-20-3	Naphthalene	0.21	U	0.21	0.87	3.5	ug/Kg
90-12-0	1-Methylnaphthalene	0.55	U	0.55	0.87	3.5	ug/Kg
91-57-6	2-Methylnaphthalene	0.2	U	0.2	0.87	3.5	ug/Kg
208-96-8	Acenaphthylene	0.35	U	0.35	0.87	3.5	ug/Kg
83-32-9	Acenaphthene	0.19	U	0.19	0.87	3.5	ug/Kg
86-73-7	Fluorene	0.23	U	0.23	0.87	3.5	ug/Kg
87-86-5	Pentachlorophenol	2.1	U	2.1	1.8	7	ug/Kg
85-01-8	Phenanthrene	0.19	U	0.19	0.87	3.5	ug/Kg
120-12-7	Anthracene	0.18	U	0.18	0.87	3.5	ug/Kg
206-44-0	Fluoranthene	0.19	U	0.19	0.87	3.5	ug/Kg
129-00-0	Pyrene	0.25	U	0.25	0.87	3.5	ug/Kg
56-55-3	Benzo(a)anthracene	0.1	U	0.1	0.87	3.5	ug/Kg
218-01-9	Chrysene	0.26	U	0.26	0.87	3.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	0.87	3.5	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.34	U	0.34	0.87	3.5	ug/Kg
50-32-8	Benzo(a)pyrene	0.34	U	0.34	0.87	3.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.55	U	0.55	0.87	3.5	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.49	U	0.49	0.87	3.5	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.79	U	0.79	0.87	3.5	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.962		15-120		50	SPK: -8
93951-69-0	Fluoranthene-d10	0.275		30-130		69	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.242		20-140		60	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3856		7.678			
1146-65-2	Naphthalene-d8	12162		10.464			
15067-26-2	Acenaphthene-d10	6394		14.326			

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	CC0P1	SDG No.:	BM110624
Lab Sample ID:	P4634-06	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	4.7
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048481.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12581	17.07				
1719-03-5	Chrysene-d12	9981	21.274				
1520-96-3	Perylene-d12	8530	23.487				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.93	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	CC0P5	SDG No.:	BM110624
Lab Sample ID:	P4634-08	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	11.1
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048482.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1	U	1	0	7.5	ug/Kg
91-20-3	Naphthalene	0.22	U	0.22	0.92	3.7	ug/Kg
90-12-0	1-Methylnaphthalene	0.58	U	0.58	0.92	3.7	ug/Kg
91-57-6	2-Methylnaphthalene	0.21	U	0.21	0.92	3.7	ug/Kg
208-96-8	Acenaphthylene	0.37	U	0.37	0.92	3.7	ug/Kg
83-32-9	Acenaphthene	0.2	U	0.2	0.92	3.7	ug/Kg
86-73-7	Fluorene	0.25	U	0.25	0.92	3.7	ug/Kg
87-86-5	Pentachlorophenol	2.2	U	2.2	1.9	7.5	ug/Kg
85-01-8	Phenanthrene	1	J	0.2	0.92	3.7	ug/Kg
120-12-7	Anthracene	0.19	U	0.19	0.92	3.7	ug/Kg
206-44-0	Fluoranthene	1.1	J	0.2	0.92	3.7	ug/Kg
129-00-0	Pyrene	0.27	U	0.27	0.92	3.7	ug/Kg
56-55-3	Benzo(a)anthracene	0.1	U	0.1	0.92	3.7	ug/Kg
218-01-9	Chrysene	0.28	U	0.28	0.92	3.7	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.53	U	0.53	0.92	3.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.36	U	0.36	0.92	3.7	ug/Kg
50-32-8	Benzo(a)pyrene	0.36	U	0.36	0.92	3.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.58	U	0.58	0.92	3.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.53	U	0.53	0.92	3.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.84	U	0.84	0.92	3.7	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.067		15-120		51	SPK: -8
93951-69-0	Fluoranthene-d10	0.265		30-130		66	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.244		20-140		61	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3949		7.678			
1146-65-2	Naphthalene-d8	12258		10.463			
15067-26-2	Acenaphthene-d10	6446		14.322			

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	CC0P5	SDG No.:	BM110624
Lab Sample ID:	P4634-08	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	11.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048482.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12469	17.069				
1719-03-5	Chrysene-d12	10477	21.268				
1520-96-3	Perylene-d12	8810	23.484				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	CC0R5	SDG No.:	BM110624
Lab Sample ID:	P4634-16	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	4.6
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
BM048483.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.93	U	0.93	0	7	ug/Kg
91-20-3	Naphthalene	0.21	U	0.21	0.86	3.4	ug/Kg
90-12-0	1-Methylnaphthalene	0.54	U	0.54	0.86	3.4	ug/Kg
91-57-6	2-Methylnaphthalene	0.2	U	0.2	0.86	3.4	ug/Kg
208-96-8	Acenaphthylene	0.34	U	0.34	0.86	3.4	ug/Kg
83-32-9	Acenaphthene	0.19	U	0.19	0.86	3.4	ug/Kg
86-73-7	Fluorene	0.23	U	0.23	0.86	3.4	ug/Kg
87-86-5	Pentachlorophenol	2.1	U	2.1	1.7	7	ug/Kg
85-01-8	Phenanthrene	0.19	U	0.19	0.86	3.4	ug/Kg
120-12-7	Anthracene	0.18	U	0.18	0.86	3.4	ug/Kg
206-44-0	Fluoranthene	0.19	U	0.19	0.86	3.4	ug/Kg
129-00-0	Pyrene	0.25	U	0.25	0.86	3.4	ug/Kg
56-55-3	Benzo(a)anthracene	0.1	U	0.1	0.86	3.4	ug/Kg
218-01-9	Chrysene	0.26	U	0.26	0.86	3.4	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	0.86	3.4	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.33	U	0.33	0.86	3.4	ug/Kg
50-32-8	Benzo(a)pyrene	0.33	U	0.33	0.86	3.4	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.54	U	0.54	0.86	3.4	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.49	U	0.49	0.86	3.4	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.78	U	0.78	0.86	3.4	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.689		15-120		59	SPK: -8
93951-69-0	Fluoranthene-d10	0.301		30-130		75	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.271		20-140		68	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3872	7.678				
1146-65-2	Naphthalene-d8	12209	10.462				
15067-26-2	Acenaphthene-d10	6476	14.321				

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	CC0R5	SDG No.:	BM110624
Lab Sample ID:	P4634-16	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	4.6
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
BM048483.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	12834	17.069				
1719-03-5	Chrysene-d12	10297	21.272				
1520-96-3	Perylene-d12	8448	23.482				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.93	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/1/2024 12:00:00 AM
Project:		Date Received:	11/1/2024 12:00:00 AM
Client Sample ID:	SBLK609	SDG No.:	BM110624
Lab Sample ID:	PB164609BL	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
BM048485.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

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	4.7		15-120		59	SPK: -8
93951-69-0	Fluoranthene-d10	0.302		30-130		75	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.265		20-140		66	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4571		7.678			
1146-65-2	Naphthalene-d8	14258		10.462			
15067-26-2	Acenaphthene-d10	7605		14.325			

Report of Analysis

Client:		Date Collected:	11/1/2024 12:00:00 AM
Project:		Date Received:	11/1/2024 12:00:00 AM
Client Sample ID:	SBLK609	SDG No.:	BM110624
Lab Sample ID:	PB164609BL	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
BM048485.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	15149	17.068				
1719-03-5	Chrysene-d12	11738	21.278				
1520-96-3	Perylene-d12	9858	23.484				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	C0PI8	SDG No.:	BM110624
Lab Sample ID:	P4634-04	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	19
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048486.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	8.2	ug/Kg
91-20-3	Naphthalene	0.25	U	0.25	1	4.1	ug/Kg
90-12-0	1-Methylnaphthalene	0.64	U	0.64	1	4.1	ug/Kg
91-57-6	2-Methylnaphthalene	0.23	U	0.23	1	4.1	ug/Kg
208-96-8	Acenaphthylene	0.41	U	0.41	1	4.1	ug/Kg
83-32-9	Acenaphthene	0.22	U	0.22	1	4.1	ug/Kg
86-73-7	Fluorene	0.27	U	0.27	1	4.1	ug/Kg
87-86-5	Pentachlorophenol	2.5	U	2.5	2.1	8.2	ug/Kg
85-01-8	Phenanthrene	0.22	U	0.22	1	4.1	ug/Kg
120-12-7	Anthracene	0.21	U	0.21	1	4.1	ug/Kg
206-44-0	Fluoranthene	0.22	U	0.22	1	4.1	ug/Kg
129-00-0	Pyrene	0.3	U	0.3	1	4.1	ug/Kg
56-55-3	Benzo(a)anthracene	0.11	U	0.11	1	4.1	ug/Kg
218-01-9	Chrysene	0.31	U	0.31	1	4.1	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.58	U	0.58	1	4.1	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.39	U	0.39	1	4.1	ug/Kg
50-32-8	Benzo(a)pyrene	0.39	U	0.39	1	4.1	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.64	U	0.64	1	4.1	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.58	U	0.58	1	4.1	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.92	U	0.92	1	4.1	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.676		15-120		46	SPK: -8
93951-69-0	Fluoranthene-d10	0.237		30-130		59	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.229		20-140		57	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4571		7.678			
1146-65-2	Naphthalene-d8	14071		10.458			
15067-26-2	Acenaphthene-d10	7665		14.322			

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	C0PI8	SDG No.:	BM110624
Lab Sample ID:	P4634-04	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	19
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
BM048486.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	15233	17.065				
1719-03-5	Chrysene-d12	12794	21.26				
1520-96-3	Perylene-d12	11418	23.475				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	C0PI9	SDG No.:	BM110624
Lab Sample ID:	P4634-05	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	13.1
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048487.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1	U	1	0	7.7	ug/Kg
91-20-3	Naphthalene	0.23	U	0.23	0.95	3.8	ug/Kg
90-12-0	1-Methylnaphthalene	0.6	U	0.6	0.95	3.8	ug/Kg
91-57-6	2-Methylnaphthalene	0.22	U	0.22	0.95	3.8	ug/Kg
208-96-8	Acenaphthylene	0.38	U	0.38	0.95	3.8	ug/Kg
83-32-9	Acenaphthene	0.21	U	0.21	0.95	3.8	ug/Kg
86-73-7	Fluorene	0.25	U	0.25	0.95	3.8	ug/Kg
87-86-5	Pentachlorophenol	2.3	U	2.3	1.9	7.7	ug/Kg
85-01-8	Phenanthrene	0.21	U	0.21	0.95	3.8	ug/Kg
120-12-7	Anthracene	0.2	U	0.2	0.95	3.8	ug/Kg
206-44-0	Fluoranthene	0.21	U	0.21	0.95	3.8	ug/Kg
129-00-0	Pyrene	0.28	U	0.28	0.95	3.8	ug/Kg
56-55-3	Benzo(a)anthracene	0.11	U	0.11	0.95	3.8	ug/Kg
218-01-9	Chrysene	0.29	U	0.29	0.95	3.8	ug/Kg
205-99-2	Benzo(b)fluoranthene	1.1	J	0.54	0.95	3.8	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.37	U	0.37	0.95	3.8	ug/Kg
50-32-8	Benzo(a)pyrene	0.37	U	0.37	0.95	3.8	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.6	U	0.6	0.95	3.8	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.54	U	0.54	0.95	3.8	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.86	U	0.86	0.95	3.8	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.072		15-120		76	SPK: -8
93951-69-0	Fluoranthene-d10	0.43		30-130		108	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.384		20-140		96	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4731		7.674			
1146-65-2	Naphthalene-d8	15099		10.457			
15067-26-2	Acenaphthene-d10	7904		14.32			

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	C0PI9	SDG No.:	BM110624
Lab Sample ID:	P4634-05	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	13.1
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048487.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	15554	17.064				
1719-03-5	Chrysene-d12	12436	21.26				
1520-96-3	Perylene-d12	11553	23.476				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	C0PI2	SDG No.:	BM110624
Lab Sample ID:	P4634-02	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	5.3
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048488.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.94	U	0.94	0	7.1	ug/Kg
91-20-3	Naphthalene	0.81	J	0.21	0.87	3.5	ug/Kg
90-12-0	1-Methylnaphthalene	0.55	U	0.55	0.87	3.5	ug/Kg
91-57-6	2-Methylnaphthalene	0.2	U	0.2	0.87	3.5	ug/Kg
208-96-8	Acenaphthylene	0.35	U	0.35	0.87	3.5	ug/Kg
83-32-9	Acenaphthene	0.19	U	0.19	0.87	3.5	ug/Kg
86-73-7	Fluorene	0.23	U	0.23	0.87	3.5	ug/Kg
87-86-5	Pentachlorophenol	2.1	U	2.1	1.8	7.1	ug/Kg
85-01-8	Phenanthrene	1.9	J	0.19	0.87	3.5	ug/Kg
120-12-7	Anthracene	0.18	U	0.18	0.87	3.5	ug/Kg
206-44-0	Fluoranthene	0.81	J	0.19	0.87	3.5	ug/Kg
129-00-0	Pyrene	0.25	U	0.25	0.87	3.5	ug/Kg
56-55-3	Benzo(a)anthracene	0.1	U	0.1	0.87	3.5	ug/Kg
218-01-9	Chrysene	0.95	J	0.26	0.87	3.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	1.2	J	0.49	0.87	3.5	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.34	U	0.34	0.87	3.5	ug/Kg
50-32-8	Benzo(a)pyrene	0.34	U	0.34	0.87	3.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.55	U	0.55	0.87	3.5	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.49	U	0.49	0.87	3.5	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.79	U	0.79	0.87	3.5	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.118		15-120		26	SPK: -8
93951-69-0	Fluoranthene-d10	0.154		30-130		38	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.138		20-140		34	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5159		7.678			
1146-65-2	Naphthalene-d8	16666		10.464			
15067-26-2	Acenaphthene-d10	8920		14.322			

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	C0PI2	SDG No.:	BM110624
Lab Sample ID:	P4634-02	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	5.3
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048488.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	17796	17.065				
1719-03-5	Chrysene-d12	16150	21.251				
1520-96-3	Perylene-d12	15208	23.472				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.94	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	CC0P3	SDG No.:	BM110624
Lab Sample ID:	P4634-07	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	12.3
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048489.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1	U	1	0	7.6	ug/Kg
91-20-3	Naphthalene	0.23	U	0.23	0.94	3.8	ug/Kg
90-12-0	1-Methylnaphthalene	0.59	U	0.59	0.94	3.8	ug/Kg
91-57-6	2-Methylnaphthalene	0.22	U	0.22	0.94	3.8	ug/Kg
208-96-8	Acenaphthylene	0.38	U	0.38	0.94	3.8	ug/Kg
83-32-9	Acenaphthene	0.2	U	0.2	0.94	3.8	ug/Kg
86-73-7	Fluorene	0.25	U	0.25	0.94	3.8	ug/Kg
87-86-5	Pentachlorophenol	2.3	U	2.3	1.9	7.6	ug/Kg
85-01-8	Phenanthrene	0.2	U	0.2	0.94	3.8	ug/Kg
120-12-7	Anthracene	0.19	U	0.19	0.94	3.8	ug/Kg
206-44-0	Fluoranthene	0.2	U	0.2	0.94	3.8	ug/Kg
129-00-0	Pyrene	0.27	U	0.27	0.94	3.8	ug/Kg
56-55-3	Benzo(a)anthracene	0.11	U	0.11	0.94	3.8	ug/Kg
218-01-9	Chrysene	0.28	U	0.28	0.94	3.8	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.53	U	0.53	0.94	3.8	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.36	U	0.36	0.94	3.8	ug/Kg
50-32-8	Benzo(a)pyrene	0.36	U	0.36	0.94	3.8	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	0.94	3.8	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.53	U	0.53	0.94	3.8	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.85	U	0.85	0.94	3.8	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.612		15-120		58	SPK: -8
93951-69-0	Fluoranthene-d10	0.332		30-130		83	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.3		20-140		75	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4400	7.678				
1146-65-2	Naphthalene-d8	14346	10.458				
15067-26-2	Acenaphthene-d10	7664	14.322				

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	CC0P3	SDG No.:	BM110624
Lab Sample ID:	P4634-07	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	12.3
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048489.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	15456	17.065				
1719-03-5	Chrysene-d12	12622	21.26				
1520-96-3	Perylene-d12	10819	23.481				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	C0PI0	SDG No.:	BM110624
Lab Sample ID:	P4634-01	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	29.3
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048490.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.3	U	1.3	0	9.5	ug/Kg
91-20-3	Naphthalene	0.28	U	0.28	1.2	4.7	ug/Kg
90-12-0	1-Methylnaphthalene	0.74	U	0.74	1.2	4.7	ug/Kg
91-57-6	2-Methylnaphthalene	0.27	U	0.27	1.2	4.7	ug/Kg
208-96-8	Acenaphthylene	0.47	U	0.47	1.2	4.7	ug/Kg
83-32-9	Acenaphthene	0.25	U	0.25	1.2	4.7	ug/Kg
86-73-7	Fluorene	0.31	U	0.31	1.2	4.7	ug/Kg
87-86-5	Pentachlorophenol	2.8	U	2.8	2.4	9.5	ug/Kg
85-01-8	Phenanthrene	0.25	U	0.25	1.2	4.7	ug/Kg
120-12-7	Anthracene	0.24	U	0.24	1.2	4.7	ug/Kg
206-44-0	Fluoranthene	0.25	U	0.25	1.2	4.7	ug/Kg
129-00-0	Pyrene	0.34	U	0.34	1.2	4.7	ug/Kg
56-55-3	Benzo(a)anthracene	0.13	U	0.13	1.2	4.7	ug/Kg
218-01-9	Chrysene	0.35	U	0.35	1.2	4.7	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.66	U	0.66	1.2	4.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.45	U	0.45	1.2	4.7	ug/Kg
50-32-8	Benzo(a)pyrene	0.45	U	0.45	1.2	4.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.74	U	0.74	1.2	4.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.66	U	0.66	1.2	4.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1.1	U	1.1	1.2	4.7	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.906		15-120		49	SPK: -8
93951-69-0	Fluoranthene-d10	0.282		30-130		70	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.243		20-140		61	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4691		7.678			
1146-65-2	Naphthalene-d8	15110		10.457			
15067-26-2	Acenaphthene-d10	8054		14.32			

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	C0PI0	SDG No.:	BM110624
Lab Sample ID:	P4634-01	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	29.3
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048490.D	1	11/1/2024 12:00:00 AM	11/6/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	15969	17.064				
1719-03-5	Chrysene-d12	12430	21.263				
1520-96-3	Perylene-d12	10938	23.478				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.3	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	CC0P7	SDG No.:	BM110624
Lab Sample ID:	P4634-09	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	12
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
BM048491.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1	U	1	0	7.6	ug/Kg
91-20-3	Naphthalene	0.23	U	0.23	0.94	3.8	ug/Kg
90-12-0	1-Methylnaphthalene	0.59	U	0.59	0.94	3.8	ug/Kg
91-57-6	2-Methylnaphthalene	0.22	U	0.22	0.94	3.8	ug/Kg
208-96-8	Acenaphthylene	1.3	J	0.38	0.94	3.8	ug/Kg
83-32-9	Acenaphthene	0.2	U	0.2	0.94	3.8	ug/Kg
86-73-7	Fluorene	0.25	U	0.25	0.94	3.8	ug/Kg
87-86-5	Pentachlorophenol	2.3	U	2.3	1.9	7.6	ug/Kg
85-01-8	Phenanthrene	0.95	J	0.2	0.94	3.8	ug/Kg
120-12-7	Anthracene	0.19	U	0.19	0.94	3.8	ug/Kg
206-44-0	Fluoranthene	3.5	J	0.2	0.94	3.8	ug/Kg
129-00-0	Pyrene	3.4	J	0.27	0.94	3.8	ug/Kg
56-55-3	Benzo(a)anthracene	2.8	J	0.11	0.94	3.8	ug/Kg
218-01-9	Chrysene	3.2	J	0.28	0.94	3.8	ug/Kg
205-99-2	Benzo(b)fluoranthene	5.3		0.53	0.94	3.8	ug/Kg
207-08-9	Benzo(k)fluoranthene	1.4	J	0.36	0.94	3.8	ug/Kg
50-32-8	Benzo(a)pyrene	2	J	0.36	0.94	3.8	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.4	J	0.59	0.94	3.8	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.1	J	0.53	0.94	3.8	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1.4	J	0.85	0.94	3.8	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.667		15-120		33	SPK: -8
93951-69-0	Fluoranthene-d10	0.185		30-130		46	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.165		20-140		41	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4718		7.678			
1146-65-2	Naphthalene-d8	15345		10.462			
15067-26-2	Acenaphthene-d10	8115		14.32			

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	CC0P7	SDG No.:	BM110624
Lab Sample ID:	P4634-09	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	12
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
BM048491.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	16171	17.064				
1719-03-5	Chrysene-d12	13234	21.254				
1520-96-3	Perylene-d12	13162	23.475				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	CC0P9	SDG No.:	BM110624
Lab Sample ID:	P4634-10	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	11.7
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	Level :
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048492.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1	U	1	0	7.6	ug/Kg
91-20-3	Naphthalene	3.2	J	0.23	0.93	3.7	ug/Kg
90-12-0	1-Methylnaphthalene	1.6	J	0.59	0.93	3.7	ug/Kg
91-57-6	2-Methylnaphthalene	1.4	J	0.21	0.93	3.7	ug/Kg
208-96-8	Acenaphthylene	1.3	J	0.37	0.93	3.7	ug/Kg
83-32-9	Acenaphthene	0.2	U	0.2	0.93	3.7	ug/Kg
86-73-7	Fluorene	0.25	U	0.25	0.93	3.7	ug/Kg
87-86-5	Pentachlorophenol	2.3	U	2.3	1.9	7.6	ug/Kg
85-01-8	Phenanthrene	6		0.2	0.93	3.7	ug/Kg
120-12-7	Anthracene	1.3	J	0.19	0.93	3.7	ug/Kg
206-44-0	Fluoranthene	5.5		0.2	0.93	3.7	ug/Kg
129-00-0	Pyrene	5.2		0.27	0.93	3.7	ug/Kg
56-55-3	Benzo(a)anthracene	4.7		0.1	0.93	3.7	ug/Kg
218-01-9	Chrysene	7.3		0.28	0.93	3.7	ug/Kg
205-99-2	Benzo(b)fluoranthene	11		0.53	0.93	3.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	2.5	J	0.36	0.93	3.7	ug/Kg
50-32-8	Benzo(a)pyrene	2.4	J	0.36	0.93	3.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3	J	0.59	0.93	3.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2.1	J	0.53	0.93	3.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4.2		0.85	0.93	3.7	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.689		15-120		21	SPK: -8
93951-69-0	Fluoranthene-d10	0.14		30-130		35	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.116		20-140		29	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4766		7.674			
1146-65-2	Naphthalene-d8	14960		10.462			
15067-26-2	Acenaphthene-d10	7965		14.32			

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	CC0P9	SDG No.:	BM110624
Lab Sample ID:	P4634-10	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	11.7
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048492.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	15516	17.064				
1719-03-5	Chrysene-d12	13248	21.251				
1520-96-3	Perylene-d12	13719	23.472				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	CC0Q1	SDG No.:	BM110624
Lab Sample ID:	P4634-11	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	12
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048493.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1	U	1	0	7.6	ug/Kg
91-20-3	Naphthalene	1	J	0.23	0.94	3.8	ug/Kg
90-12-0	1-Methylnaphthalene	0.59	U	0.59	0.94	3.8	ug/Kg
91-57-6	2-Methylnaphthalene	0.22	U	0.22	0.94	3.8	ug/Kg
208-96-8	Acenaphthylene	0.38	U	0.38	0.94	3.8	ug/Kg
83-32-9	Acenaphthene	0.2	U	0.2	0.94	3.8	ug/Kg
86-73-7	Fluorene	0.25	U	0.25	0.94	3.8	ug/Kg
87-86-5	Pentachlorophenol	2.3	U	2.3	1.9	7.6	ug/Kg
85-01-8	Phenanthrene	1.4	J	0.2	0.94	3.8	ug/Kg
120-12-7	Anthracene	0.19	U	0.19	0.94	3.8	ug/Kg
206-44-0	Fluoranthene	1	J	0.2	0.94	3.8	ug/Kg
129-00-0	Pyrene	1.4	J	0.27	0.94	3.8	ug/Kg
56-55-3	Benzo(a)anthracene	0.87	J	0.11	0.94	3.8	ug/Kg
218-01-9	Chrysene	3.2	J	0.28	0.94	3.8	ug/Kg
205-99-2	Benzo(b)fluoranthene	4.2		0.53	0.94	3.8	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.91	J	0.36	0.94	3.8	ug/Kg
50-32-8	Benzo(a)pyrene	1.8	J	0.36	0.94	3.8	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	J	0.59	0.94	3.8	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.1	J	0.53	0.94	3.8	ug/Kg
191-24-2	Benzo(g,h,i)perylene	5.5		0.85	0.94	3.8	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.802		15-120		48	SPK: -8
93951-69-0	Fluoranthene-d10	0.262		30-130		65	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.266		20-140		67	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5314		7.674			
1146-65-2	Naphthalene-d8	16685		10.457			
15067-26-2	Acenaphthene-d10	8809		14.32			

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	CC0Q1	SDG No.:	BM110624
Lab Sample ID:	P4634-11	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	12
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
BM048493.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	17619	17.064				
1719-03-5	Chrysene-d12	15378	21.251				
1520-96-3	Perylene-d12	15349	23.473				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	CC0R4	SDG No.:	BM110624
Lab Sample ID:	P4634-15	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	28.4
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048494.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	U	1.2	0	9.3	ug/Kg
91-20-3	Naphthalene	0.28	U	0.28	1.1	4.6	ug/Kg
90-12-0	1-Methylnaphthalene	0.72	U	0.72	1.1	4.6	ug/Kg
91-57-6	2-Methylnaphthalene	0.26	U	0.26	1.1	4.6	ug/Kg
208-96-8	Acenaphthylene	0.46	U	0.46	1.1	4.6	ug/Kg
83-32-9	Acenaphthene	0.25	U	0.25	1.1	4.6	ug/Kg
86-73-7	Fluorene	0.31	U	0.31	1.1	4.6	ug/Kg
87-86-5	Pentachlorophenol	2.8	U	2.8	2.3	9.3	ug/Kg
85-01-8	Phenanthrene	0.25	U	0.25	1.1	4.6	ug/Kg
120-12-7	Anthracene	0.24	U	0.24	1.1	4.6	ug/Kg
206-44-0	Fluoranthene	2.3	J	0.25	1.1	4.6	ug/Kg
129-00-0	Pyrene	2.3	J	0.33	1.1	4.6	ug/Kg
56-55-3	Benzo(a)anthracene	2	J	0.13	1.1	4.6	ug/Kg
218-01-9	Chrysene	1.3	J	0.35	1.1	4.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	2.8	J	0.65	1.1	4.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	1	J	0.45	1.1	4.6	ug/Kg
50-32-8	Benzo(a)pyrene	1.3	J	0.45	1.1	4.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.72	U	0.72	1.1	4.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.65	U	0.65	1.1	4.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1.4	J	1	1.1	4.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.082		15-120		64	SPK: -8
93951-69-0	Fluoranthene-d10	0.358		30-130		90	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.332		20-140		83	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4882		7.674			
1146-65-2	Naphthalene-d8	15506		10.457			
15067-26-2	Acenaphthene-d10	8180		14.32			

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	CC0R4	SDG No.:	BM110624
Lab Sample ID:	P4634-15	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	28.4
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
BM048494.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	16364	17.064				
1719-03-5	Chrysene-d12	13011	21.254				
1520-96-3	Perylene-d12	12648	23.475				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.2	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	CC0Q6	SDG No.:	BM110624
Lab Sample ID:	P4634-12	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	7.2
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048495.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.96	U	0.96	0	7.2	ug/Kg
91-20-3	Naphthalene	1	J	0.21	0.89	3.5	ug/Kg
90-12-0	1-Methylnaphthalene	0.56	U	0.56	0.89	3.5	ug/Kg
91-57-6	2-Methylnaphthalene	0.2	U	0.2	0.89	3.5	ug/Kg
208-96-8	Acenaphthylene	0.35	U	0.35	0.89	3.5	ug/Kg
83-32-9	Acenaphthene	0.19	U	0.19	0.89	3.5	ug/Kg
86-73-7	Fluorene	0.24	U	0.24	0.89	3.5	ug/Kg
87-86-5	Pentachlorophenol	2.1	U	2.1	1.8	7.2	ug/Kg
85-01-8	Phenanthrene	0.19	U	0.19	0.89	3.5	ug/Kg
120-12-7	Anthracene	0.18	U	0.18	0.89	3.5	ug/Kg
206-44-0	Fluoranthene	1.5	J	0.19	0.89	3.5	ug/Kg
129-00-0	Pyrene	1.4	J	0.26	0.89	3.5	ug/Kg
56-55-3	Benzo(a)anthracene	0.79	J	0.1	0.89	3.5	ug/Kg
218-01-9	Chrysene	1.6	J	0.27	0.89	3.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	3.4	J	0.5	0.89	3.5	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.82	J	0.34	0.89	3.5	ug/Kg
50-32-8	Benzo(a)pyrene	0.34	U	0.34	0.89	3.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.86	J	0.56	0.89	3.5	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.5	U	0.5	0.89	3.5	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1.3	J	0.81	0.89	3.5	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.951		15-120		49	SPK: -8
93951-69-0	Fluoranthene-d10	0.282		30-130		70	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.268		20-140		67	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4549		7.674			
1146-65-2	Naphthalene-d8	14217		10.457			
15067-26-2	Acenaphthene-d10	7553		14.32			

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	CC0Q6	SDG No.:	BM110624
Lab Sample ID:	P4634-12	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	7.2
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048495.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	15270	17.064				
1719-03-5	Chrysene-d12	13052	21.254				
1520-96-3	Perylene-d12	12764	23.475				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.96	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	CC0Q8	SDG No.:	BM110624
Lab Sample ID:	P4634-13	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.4
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048496.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1	U	1	0	7.9	ug/Kg
91-20-3	Naphthalene	3.5	J	0.24	0.97	3.9	ug/Kg
90-12-0	1-Methylnaphthalene	1.1	J	0.61	0.97	3.9	ug/Kg
91-57-6	2-Methylnaphthalene	0.98	J	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	0.21	U	0.21	0.97	3.9	ug/Kg
86-73-7	Fluorene	0.26	U	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	5.3		0.21	0.97	3.9	ug/Kg
120-12-7	Anthracene	0.98	J	0.2	0.97	3.9	ug/Kg
206-44-0	Fluoranthene	3.1	J	0.21	0.97	3.9	ug/Kg
129-00-0	Pyrene	2.5	J	0.28	0.97	3.9	ug/Kg
56-55-3	Benzo(a)anthracene	2.5	J	0.11	0.97	3.9	ug/Kg
218-01-9	Chrysene	4.4		0.29	0.97	3.9	ug/Kg
205-99-2	Benzo(b)fluoranthene	5.7		0.55	0.97	3.9	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.9	J	0.38	0.97	3.9	ug/Kg
50-32-8	Benzo(a)pyrene	0.38	U	0.38	0.97	3.9	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.3	J	0.61	0.97	3.9	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1	J	0.55	0.97	3.9	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.88	U	0.88	0.97	3.9	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.189		15-120		15	SPK: -8
93951-69-0	Fluoranthene-d10	0.093	*	30-130		23	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.083		20-140		21	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4437		7.674			
1146-65-2	Naphthalene-d8	13927		10.462			
15067-26-2	Acenaphthene-d10	7702		14.32			

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	CC0Q8	SDG No.:	BM110624
Lab Sample ID:	P4634-13	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	15.4
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
BM048496.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	15102	17.064				
1719-03-5	Chrysene-d12	13438	21.251				
1520-96-3	Perylene-d12	13196	23.473				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	CC0R3	SDG No.:	BM110624
Lab Sample ID:	P4634-14	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	22.1
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048497.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	8.6	ug/Kg
91-20-3	Naphthalene	0.26	U	0.26	1.1	4.2	ug/Kg
90-12-0	1-Methylnaphthalene	0.67	U	0.67	1.1	4.2	ug/Kg
91-57-6	2-Methylnaphthalene	0.24	U	0.24	1.1	4.2	ug/Kg
208-96-8	Acenaphthylene	1	J	0.42	1.1	4.2	ug/Kg
83-32-9	Acenaphthene	0.23	U	0.23	1.1	4.2	ug/Kg
86-73-7	Fluorene	0.28	U	0.28	1.1	4.2	ug/Kg
87-86-5	Pentachlorophenol	2.6	U	2.6	2.2	8.6	ug/Kg
85-01-8	Phenanthrene	2.2	J	0.23	1.1	4.2	ug/Kg
120-12-7	Anthracene	0.22	U	0.22	1.1	4.2	ug/Kg
206-44-0	Fluoranthene	4.5		0.23	1.1	4.2	ug/Kg
129-00-0	Pyrene	3.7	J	0.31	1.1	4.2	ug/Kg
56-55-3	Benzo(a)anthracene	3	J	0.12	1.1	4.2	ug/Kg
218-01-9	Chrysene	2.2	J	0.32	1.1	4.2	ug/Kg
205-99-2	Benzo(b)fluoranthene	4.8		0.6	1.1	4.2	ug/Kg
207-08-9	Benzo(k)fluoranthene	1.4	J	0.41	1.1	4.2	ug/Kg
50-32-8	Benzo(a)pyrene	2.4	J	0.41	1.1	4.2	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.5	J	0.67	1.1	4.2	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.6	U	0.6	1.1	4.2	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1.8	J	0.96	1.1	4.2	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.313		15-120		54	SPK: -8
93951-69-0	Fluoranthene-d10	0.284		30-130		71	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.276		20-140		69	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4673		7.674			
1146-65-2	Naphthalene-d8	14607		10.457			
15067-26-2	Acenaphthene-d10	7685		14.32			

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	CC0R3	SDG No.:	BM110624
Lab Sample ID:	P4634-14	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	22.1
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048497.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	15200	17.064				
1719-03-5	Chrysene-d12	12909	21.254				
1520-96-3	Perylene-d12	12744	23.475				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	CC0R7	SDG No.:	BM110624
Lab Sample ID:	P4634-17	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	18.8
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048498.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

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	0.25	U	0.25	1	4.1	ug/Kg
90-12-0	1-Methylnaphthalene	0.64	U	0.64	1	4.1	ug/Kg
91-57-6	2-Methylnaphthalene	0.23	U	0.23	1	4.1	ug/Kg
208-96-8	Acenaphthylene	0.41	U	0.41	1	4.1	ug/Kg
83-32-9	Acenaphthene	0.22	U	0.22	1	4.1	ug/Kg
86-73-7	Fluorene	0.27	U	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	0.22	U	0.22	1	4.1	ug/Kg
120-12-7	Anthracene	0.21	U	0.21	1	4.1	ug/Kg
206-44-0	Fluoranthene	0.22	U	0.22	1	4.1	ug/Kg
129-00-0	Pyrene	0.3	U	0.3	1	4.1	ug/Kg
56-55-3	Benzo(a)anthracene	0.11	U	0.11	1	4.1	ug/Kg
218-01-9	Chrysene	0.31	U	0.31	1	4.1	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.58	U	0.58	1	4.1	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.39	U	0.39	1	4.1	ug/Kg
50-32-8	Benzo(a)pyrene	0.39	U	0.39	1	4.1	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.64	U	0.64	1	4.1	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.58	U	0.58	1	4.1	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.92	U	0.92	1	4.1	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.457		15-120		56	SPK: -8
93951-69-0	Fluoranthene-d10	0.326		30-130		81	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.299		20-140		75	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4656		7.674			
1146-65-2	Naphthalene-d8	14688		10.458			
15067-26-2	Acenaphthene-d10	7803		14.322			

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	CC0R7	SDG No.:	BM110624
Lab Sample ID:	P4634-17	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
BM048498.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	15444	17.065				
1719-03-5	Chrysene-d12	12320	21.257				
1520-96-3	Perylene-d12	12157	23.475				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	CC0R7MS	SDG No.:	BM110624
Lab Sample ID:	P4634-18MS	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	18.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	500 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048499.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	48		1.1	0	8.2	ug/Kg
91-20-3	Naphthalene	13		0.25	1	4.1	ug/Kg
90-12-0	1-Methylnaphthalene	13		0.64	1	4.1	ug/Kg
91-57-6	2-Methylnaphthalene	12		0.23	1	4.1	ug/Kg
208-96-8	Acenaphthylene	13		0.41	1	4.1	ug/Kg
83-32-9	Acenaphthene	13		0.22	1	4.1	ug/Kg
86-73-7	Fluorene	13		0.27	1	4.1	ug/Kg
87-86-5	Pentachlorophenol	3.6	J	2.5	2.1	8.2	ug/Kg
85-01-8	Phenanthrene	13		0.22	1	4.1	ug/Kg
120-12-7	Anthracene	13		0.21	1	4.1	ug/Kg
206-44-0	Fluoranthene	13		0.22	1	4.1	ug/Kg
129-00-0	Pyrene	13		0.29	1	4.1	ug/Kg
56-55-3	Benzo(a)anthracene	14		0.11	1	4.1	ug/Kg
218-01-9	Chrysene	13		0.31	1	4.1	ug/Kg
205-99-2	Benzo(b)fluoranthene	14		0.58	1	4.1	ug/Kg
207-08-9	Benzo(k)fluoranthene	13		0.39	1	4.1	ug/Kg
50-32-8	Benzo(a)pyrene	13		0.39	1	4.1	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	13		0.64	1	4.1	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	13		0.58	1	4.1	ug/Kg
191-24-2	Benzo(g,h,i)perylene	13		0.92	1	4.1	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.541		15-120		68	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.338		30-130		84	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.331		20-140		83	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4267		7.683			
1146-65-2	Naphthalene-d8	14388		10.464			
15067-26-2	Acenaphthene-d10	8028		14.322			

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	CC0R7MS	SDG No.:	BM110624
Lab Sample ID:	P4634-18MS	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	18.8
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
BM048499.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	15086	17.074				
1719-03-5	Chrysene-d12	13259	21.251				
1520-96-3	Perylene-d12	14493	23.475				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	CC0R7MSD	SDG No.:	BM110624
Lab Sample ID:	P4634-19MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	18.8
Sample Wt/Vol:	30.08 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048500.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	53		1.1	0	8.2	ug/Kg
91-20-3	Naphthalene	13		0.25	1	4.1	ug/Kg
90-12-0	1-Methylnaphthalene	13		0.64	1	4.1	ug/Kg
91-57-6	2-Methylnaphthalene	13		0.23	1	4.1	ug/Kg
208-96-8	Acenaphthylene	13		0.41	1	4.1	ug/Kg
83-32-9	Acenaphthene	13		0.22	1	4.1	ug/Kg
86-73-7	Fluorene	13		0.27	1	4.1	ug/Kg
87-86-5	Pentachlorophenol	3.4	J	2.5	2.1	8.2	ug/Kg
85-01-8	Phenanthrene	14		0.22	1	4.1	ug/Kg
120-12-7	Anthracene	13		0.21	1	4.1	ug/Kg
206-44-0	Fluoranthene	13		0.22	1	4.1	ug/Kg
129-00-0	Pyrene	13		0.29	1	4.1	ug/Kg
56-55-3	Benzo(a)anthracene	14		0.11	1	4.1	ug/Kg
218-01-9	Chrysene	14		0.31	1	4.1	ug/Kg
205-99-2	Benzo(b)fluoranthene	14		0.58	1	4.1	ug/Kg
207-08-9	Benzo(k)fluoranthene	14		0.39	1	4.1	ug/Kg
50-32-8	Benzo(a)pyrene	14		0.39	1	4.1	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	14		0.64	1	4.1	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	13		0.58	1	4.1	ug/Kg
191-24-2	Benzo(g,h,i)perylene	13		0.92	1	4.1	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.572		15-120		72	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.343		30-130		86	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.339		20-140		85	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3916		7.683			
1146-65-2	Naphthalene-d8	13366		10.464			
15067-26-2	Acenaphthene-d10	7382		14.322			

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	CC0R7MSD	SDG No.:	BM110624
Lab Sample ID:	P4634-19MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	18.8
Sample Wt/Vol:	30.08 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048500.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	13946	17.074				
1719-03-5	Chrysene-d12	12812	21.251				
1520-96-3	Perylene-d12	13877	23.475				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/1/2024 12:00:00 AM
Project:		Date Received:	11/1/2024 12:00:00 AM
Client Sample ID:	SLCS609	SDG No.:	BM110624
Lab Sample ID:	PB164609BS	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
BM048501.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	82		0.89	0	6.7	ug/Kg
91-20-3	Naphthalene	19		0.2	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	22		0.52	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	19		0.19	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	20		0.33	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	19		0.18	0.83	3.3	ug/Kg
86-73-7	Fluorene	19		0.22	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	31		2	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	19		0.18	0.83	3.3	ug/Kg
120-12-7	Anthracene	19		0.17	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	19		0.18	0.83	3.3	ug/Kg
129-00-0	Pyrene	19		0.24	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	20		0.09	0.83	3.3	ug/Kg
218-01-9	Chrysene	20		0.25	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	20		0.47	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	20		0.32	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	21		0.32	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	20		0.52	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	20		0.47	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	20		0.75	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.017	*	15-120		127	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.596	*	30-130		149	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.599	*	20-140		150	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4356		7.687			
1146-65-2	Naphthalene-d8	14732		10.469			
15067-26-2	Acenaphthene-d10	8270		14.322			

Report of Analysis

Client:		Date Collected:	11/1/2024 12:00:00 AM
Project:		Date Received:	11/1/2024 12:00:00 AM
Client Sample ID:	SLCS609	SDG No.:	BM110624
Lab Sample ID:	PB164609BS	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
BM048501.D	1	11/1/2024 12:00:00 AM	11/7/2024 12:00:00 AM	PB164609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	15292	17.074				
1719-03-5	Chrysene-d12	13476	21.254				
1520-96-3	Perylene-d12	15193	23.478				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM110624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : C0PI0								
P4634-01	C0PI0	Solid	Total Alkanes	*	0.000	1.3	9.5	ug/Kg
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID : C0PI2								
P4634-02	C0PI2	Solid	Total Alkanes	*	0.000	0.94	7.1	ug/Kg
			Total Tics :			0.00		
P4634-02	C0PI2	Solid	Benzo(b)fluoranthene		1.200 J	0.49	3.5	ug/Kg
P4634-02	C0PI2	Solid	Chrysene		0.950 J	0.26	3.5	ug/Kg
P4634-02	C0PI2	Solid	Fluoranthene		0.810 J	0.19	3.5	ug/Kg
P4634-02	C0PI2	Solid	Naphthalene		0.810 J	0.21	3.5	ug/Kg
P4634-02	C0PI2	Solid	Phenanthrene		1.900 J	0.19	3.5	ug/Kg
			Total Svoc :			5.67		
			Total Concentration:			5.67		
Client ID : C0PI6								
P4634-03	C0PI6	Solid	Total Alkanes	*	0.000	1	7.8	ug/Kg
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID : C0PI8								
P4634-04	C0PI8	Solid	Total Alkanes	*	0.000	1.1	8.2	ug/Kg
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID : C0PI9								
P4634-05	C0PI9	Solid	Total Alkanes	*	0.000	1	7.7	ug/Kg
			Total Tics :			0.00		
P4634-05	C0PI9	Solid	Benzo(b)fluoranthene		1.100 J	0.54	3.8	ug/Kg
			Total Svoc :			1.10		
			Total Concentration:			1.10		
Client ID : CC0P1								
P4634-06	CC0P1	Solid	Total Alkanes	*	0.000	0.93	7	ug/Kg
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID : CC0P3								
P4634-07	CC0P3	Solid	Total Alkanes	*	0.000	1	7.6	ug/Kg
			Total Tics :			0.00		
			Total Concentration:			0.00		

Hit Summary Sheet SW-846

SDG No.: BM110624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : CC0P5								
P4634-08	CC0P5	Solid	Total Alkanes	*	0.000	1	7.5	ug/Kg
			Total Tics :			0.00		
P4634-08	CC0P5	Solid	Fluoranthene		1.100	J 0.2	3.7	ug/Kg
P4634-08	CC0P5	Solid	Phenanthrene		1.000	J 0.2	3.7	ug/Kg
			Total Svoc :			2.10		
			Total Concentration:			2.10		
Client ID : CC0P7								
P4634-09	CC0P7	Solid	Total Alkanes	*	0.000	1	7.6	ug/Kg
			Total Tics :			0.00		
P4634-09	CC0P7	Solid	Acenaphthylene		1.300	J 0.38	3.8	ug/Kg
P4634-09	CC0P7	Solid	Benzo(a)anthracene		2.800	J 0.11	3.8	ug/Kg
P4634-09	CC0P7	Solid	Benzo(a)pyrene		2.000	J 0.36	3.8	ug/Kg
P4634-09	CC0P7	Solid	Benzo(b)fluoranthene		5.300	0.53	3.8	ug/Kg
P4634-09	CC0P7	Solid	Benzo(g,h,i)perylene		1.400	J 0.85	3.8	ug/Kg
P4634-09	CC0P7	Solid	Benzo(k)fluoranthene		1.400	J 0.36	3.8	ug/Kg
P4634-09	CC0P7	Solid	Chrysene		3.200	J 0.28	3.8	ug/Kg
P4634-09	CC0P7	Solid	Dibenzo(a,h)anthracene		1.100	J 0.53	3.8	ug/Kg
P4634-09	CC0P7	Solid	Fluoranthene		3.500	J 0.2	3.8	ug/Kg
P4634-09	CC0P7	Solid	Indeno(1,2,3-cd)pyrene		1.400	J 0.59	3.8	ug/Kg
P4634-09	CC0P7	Solid	Phenanthrene		0.950	J 0.2	3.8	ug/Kg
P4634-09	CC0P7	Solid	Pyrene		3.400	J 0.27	3.8	ug/Kg
			Total Svoc :			27.75		
			Total Concentration:			27.75		
Client ID : CC0P9								
P4634-10	CC0P9	Solid	Total Alkanes	*	0.000	1	7.6	ug/Kg
			Total Tics :			0.00		
P4634-10	CC0P9	Solid	1-Methylnaphthalene		1.600	J 0.59	3.7	ug/Kg
P4634-10	CC0P9	Solid	2-Methylnaphthalene		1.400	J 0.21	3.7	ug/Kg
P4634-10	CC0P9	Solid	Acenaphthylene		1.300	J 0.37	3.7	ug/Kg
P4634-10	CC0P9	Solid	Anthracene		1.300	J 0.19	3.7	ug/Kg
P4634-10	CC0P9	Solid	Benzo(a)anthracene		4.700	0.1	3.7	ug/Kg
P4634-10	CC0P9	Solid	Benzo(a)pyrene		2.400	J 0.36	3.7	ug/Kg
P4634-10	CC0P9	Solid	Benzo(b)fluoranthene		11.000	0.53	3.7	ug/Kg
P4634-10	CC0P9	Solid	Benzo(g,h,i)perylene		4.200	0.85	3.7	ug/Kg
P4634-10	CC0P9	Solid	Benzo(k)fluoranthene		2.500	J 0.36	3.7	ug/Kg
P4634-10	CC0P9	Solid	Chrysene		7.300	0.28	3.7	ug/Kg
P4634-10	CC0P9	Solid	Dibenzo(a,h)anthracene		2.100	J 0.53	3.7	ug/Kg
P4634-10	CC0P9	Solid	Fluoranthene		5.500	0.2	3.7	ug/Kg
P4634-10	CC0P9	Solid	Indeno(1,2,3-cd)pyrene		3.000	J 0.59	3.7	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM110624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4634-10	CC0P9	Solid	Naphthalene	3.200	J	0.23	3.7	ug/Kg
P4634-10	CC0P9	Solid	Phenanthrene	6.000		0.2	3.7	ug/Kg
P4634-10	CC0P9	Solid	Pyrene	5.200		0.27	3.7	ug/Kg
Total Svoc :				62.70				
Total Concentration:				62.70				
Client ID : CC0Q1								
P4634-11	CC0Q1	Solid	Total Alkanes	*	0.000	1	7.6	ug/Kg
Total Tics :				0.00				
P4634-11	CC0Q1	Solid	Benzo(a)anthracene	0.870	J	0.11	3.8	ug/Kg
P4634-11	CC0Q1	Solid	Benzo(a)pyrene	1.800	J	0.36	3.8	ug/Kg
P4634-11	CC0Q1	Solid	Benzo(b)fluoranthene	4.200		0.53	3.8	ug/Kg
P4634-11	CC0Q1	Solid	Benzo(g,h,i)perylene	5.500		0.85	3.8	ug/Kg
P4634-11	CC0Q1	Solid	Benzo(k)fluoranthene	0.910	J	0.36	3.8	ug/Kg
P4634-11	CC0Q1	Solid	Chrysene	3.200	J	0.28	3.8	ug/Kg
P4634-11	CC0Q1	Solid	Dibenzo(a,h)anthracene	1.100	J	0.53	3.8	ug/Kg
P4634-11	CC0Q1	Solid	Fluoranthene	1.000	J	0.2	3.8	ug/Kg
P4634-11	CC0Q1	Solid	Indeno(1,2,3-cd)pyrene	2.100	J	0.59	3.8	ug/Kg
P4634-11	CC0Q1	Solid	Naphthalene	1.000	J	0.23	3.8	ug/Kg
P4634-11	CC0Q1	Solid	Phenanthrene	1.400	J	0.2	3.8	ug/Kg
P4634-11	CC0Q1	Solid	Pyrene	1.400	J	0.27	3.8	ug/Kg
Total Svoc :				24.48				
Total Concentration:				24.48				
Client ID : CC0Q6								
P4634-12	CC0Q6	Solid	Total Alkanes	*	0.000	0.96	7.2	ug/Kg
Total Tics :				0.00				
P4634-12	CC0Q6	Solid	Benzo(a)anthracene	0.790	J	0.1	3.5	ug/Kg
P4634-12	CC0Q6	Solid	Benzo(b)fluoranthene	3.400	J	0.5	3.5	ug/Kg
P4634-12	CC0Q6	Solid	Benzo(g,h,i)perylene	1.300	J	0.81	3.5	ug/Kg
P4634-12	CC0Q6	Solid	Benzo(k)fluoranthene	0.820	J	0.34	3.5	ug/Kg
P4634-12	CC0Q6	Solid	Chrysene	1.600	J	0.27	3.5	ug/Kg
P4634-12	CC0Q6	Solid	Fluoranthene	1.500	J	0.19	3.5	ug/Kg
P4634-12	CC0Q6	Solid	Indeno(1,2,3-cd)pyrene	0.860	J	0.56	3.5	ug/Kg
P4634-12	CC0Q6	Solid	Naphthalene	1.000	J	0.21	3.5	ug/Kg
P4634-12	CC0Q6	Solid	Pyrene	1.400	J	0.26	3.5	ug/Kg
Total Svoc :				12.67				
Total Concentration:				12.67				
Client ID : CC0Q8								
P4634-13	CC0Q8	Solid	Total Alkanes	*	0.000	1	7.9	ug/Kg
Total Tics :				0.00				

Hit Summary Sheet SW-846

SDG No.: BM110624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4634-13	CC0Q8	Solid	1-Methylnaphthalene	1.100	J	0.61	3.9	ug/Kg
P4634-13	CC0Q8	Solid	2-Methylnaphthalene	0.980	J	0.22	3.9	ug/Kg
P4634-13	CC0Q8	Solid	Anthracene	0.980	J	0.2	3.9	ug/Kg
P4634-13	CC0Q8	Solid	Benzo(a)anthracene	2.500	J	0.11	3.9	ug/Kg
P4634-13	CC0Q8	Solid	Benzo(b)fluoranthene	5.700		0.55	3.9	ug/Kg
P4634-13	CC0Q8	Solid	Benzo(k)fluoranthene	0.900	J	0.38	3.9	ug/Kg
P4634-13	CC0Q8	Solid	Chrysene	4.400		0.29	3.9	ug/Kg
P4634-13	CC0Q8	Solid	Dibenzo(a,h)anthracene	1.000	J	0.55	3.9	ug/Kg
P4634-13	CC0Q8	Solid	Fluoranthene	3.100	J	0.21	3.9	ug/Kg
P4634-13	CC0Q8	Solid	Indeno(1,2,3-cd)pyrene	1.300	J	0.61	3.9	ug/Kg
P4634-13	CC0Q8	Solid	Naphthalene	3.500	J	0.24	3.9	ug/Kg
P4634-13	CC0Q8	Solid	Phenanthrene	5.300		0.21	3.9	ug/Kg
P4634-13	CC0Q8	Solid	Pyrene	2.500	J	0.28	3.9	ug/Kg
Total Svoc :						33.26		
Total Concentration:						33.26		
Client ID : CC0R3								
P4634-14	CC0R3	Solid	Total Alkanes	*	0.000	1.1	8.6	ug/Kg
Total Tics :						0.00		
P4634-14	CC0R3	Solid	Acenaphthylene	1.000	J	0.42	4.2	ug/Kg
P4634-14	CC0R3	Solid	Benzo(a)anthracene	3.000	J	0.12	4.2	ug/Kg
P4634-14	CC0R3	Solid	Benzo(a)pyrene	2.400	J	0.41	4.2	ug/Kg
P4634-14	CC0R3	Solid	Benzo(b)fluoranthene	4.800		0.6	4.2	ug/Kg
P4634-14	CC0R3	Solid	Benzo(g,h,i)perylene	1.800	J	0.96	4.2	ug/Kg
P4634-14	CC0R3	Solid	Benzo(k)fluoranthene	1.400	J	0.41	4.2	ug/Kg
P4634-14	CC0R3	Solid	Chrysene	2.200	J	0.32	4.2	ug/Kg
P4634-14	CC0R3	Solid	Fluoranthene	4.500		0.23	4.2	ug/Kg
P4634-14	CC0R3	Solid	Indeno(1,2,3-cd)pyrene	1.500	J	0.67	4.2	ug/Kg
P4634-14	CC0R3	Solid	Phenanthrene	2.200	J	0.23	4.2	ug/Kg
P4634-14	CC0R3	Solid	Pyrene	3.700	J	0.31	4.2	ug/Kg
Total Svoc :						28.50		
Total Concentration:						28.50		
Client ID : CC0R4								
P4634-15	CC0R4	Solid	Total Alkanes	*	0.000	1.2	9.3	ug/Kg
Total Tics :						0.00		
P4634-15	CC0R4	Solid	Benzo(a)anthracene	2.000	J	0.13	4.6	ug/Kg
P4634-15	CC0R4	Solid	Benzo(a)pyrene	1.300	J	0.45	4.6	ug/Kg
P4634-15	CC0R4	Solid	Benzo(b)fluoranthene	2.800	J	0.65	4.6	ug/Kg
P4634-15	CC0R4	Solid	Benzo(g,h,i)perylene	1.400	J	1	4.6	ug/Kg
P4634-15	CC0R4	Solid	Benzo(k)fluoranthene	1.000	J	0.45	4.6	ug/Kg
P4634-15	CC0R4	Solid	Chrysene	1.300	J	0.35	4.6	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM110624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4634-15	CC0R4	Solid	Fluoranthene	2.300	J	0.25	4.6	ug/Kg
P4634-15	CC0R4	Solid	Pyrene	2.300	J	0.33	4.6	ug/Kg
Total Svoc :				14.40				
Total Concentration:				14.40				
Client ID :	CC0R5							
P4634-16	CC0R5	Solid	Total Alkanes	*	0.000	0.93	7	ug/Kg
Total Tics :				0.00				
Total Concentration:				0.00				
Client ID :	CC0R7							
P4634-17	CC0R7	Solid	Total Alkanes	*	0.000	1.1	8.3	ug/Kg
Total Tics :				0.00				
Total Concentration:				0.00				
Client ID :	SSTD0.4076							
SSTDCCC0.4	SSTD0.4076	Water	Total Alkanes	*	0.000	29	200	ug/L
Total Tics :				0.00				
SSTDCCC0.4	SSTD0.4076	Water	1,4-Dioxane	790.000		29	200	ug/L
SSTDCCC0.4	SSTD0.4076	Water	1-Methylnaphthalene	420.000		15	100	ug/L
SSTDCCC0.4	SSTD0.4076	Water	2-Methylnaphthalene	320.000		5.3	100	ug/L
SSTDCCC0.4	SSTD0.4076	Water	Acenaphthene	390.000		7.4	100	ug/L
SSTDCCC0.4	SSTD0.4076	Water	Acenaphthylene	370.000		12	100	ug/L
SSTDCCC0.4	SSTD0.4076	Water	Anthracene	320.000		8	100	ug/L
SSTDCCC0.4	SSTD0.4076	Water	Benzo(a)anthracene	290.000		3.6	100	ug/L
SSTDCCC0.4	SSTD0.4076	Water	Benzo(a)pyrene	400.000		17	100	ug/L
SSTDCCC0.4	SSTD0.4076	Water	Benzo(b)fluoranthene	390.000		13	100	ug/L
SSTDCCC0.4	SSTD0.4076	Water	Benzo(g,h,i)perylene	410.000		22	100	ug/L
SSTDCCC0.4	SSTD0.4076	Water	Benzo(k)fluoranthene	440.000		9.8	100	ug/L
SSTDCCC0.4	SSTD0.4076	Water	Chrysene	460.000		7.7	100	ug/L
SSTDCCC0.4	SSTD0.4076	Water	Dibenzo(a,h)anthracene	360.000		14	100	ug/L
SSTDCCC0.4	SSTD0.4076	Water	Fluoranthene	380.000		7.9	100	ug/L
SSTDCCC0.4	SSTD0.4076	Water	Fluorene	370.000		6.7	100	ug/L
SSTDCCC0.4	SSTD0.4076	Water	Indeno(1,2,3-cd)pyrene	370.000		17	100	ug/L
SSTDCCC0.4	SSTD0.4076	Water	Naphthalene	390.000		4.3	100	ug/L
SSTDCCC0.4	SSTD0.4076	Water	Pentachlorophenol	180.000	J	63	200	ug/L
SSTDCCC0.4	SSTD0.4076	Water	Phenanthrene	350.000		6.8	100	ug/L
SSTDCCC0.4	SSTD0.4076	Water	Pyrene	380.000		6	100	ug/L
Total Svoc :				7,780.00				
Total Concentration:				7,780.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM110624 SAS No.: BM110624 SDG No.: BM110624
Instrument ID: _____ Calibration Date(s): 11/6/2024 : _____
Calibration Time(s): 11:03 _____

LAB FILE ID:		RRFAL1 = BM048471.D			RRFAL2 = BM048472.D		RRFAL3 = BM048473.D	
		RRFAL4 = BM048474.D			RRFAL5 = BM048475.D		RRFAL6 = BM048476.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane		0.590	0.590	0.558	0.533	0.503	0.555	6.7
1,4-Dioxane-d8		0.467	0.498	0.505	0.481	0.462	0.483	3.8
Naphthalene	1.013	1.018	1.037	0.985	0.957		1.002	3.1
1-Methylnaphthalene	0.670	0.659	0.655	0.630	0.615		0.646	3.5
2-Methylnaphthalene	0.671	0.634	0.636	0.611	0.601		0.630	4.3
Acenaphthylene	1.505	1.520	1.529	1.536	1.505		1.519	0.9
Acenaphthene	1.262	1.217	1.222	1.205	1.170		1.215	2.7
Fluorene	1.342	1.348	1.305	1.322	1.285		1.320	2.0
Pentachlorophenol		0.146	0.136	0.148	0.151	0.152	0.147	4.4
Phenanthrene	1.121	1.052	1.020	1.040	1.021		1.051	3.9
Anthracene	1.030	0.990	0.949	0.967	0.954		0.978	3.4
Fluoranthene	1.516	1.531	1.499	1.443	1.416		1.481	3.3
Pyrene	1.640	1.668	1.642	1.566	1.521		1.607	3.8
Benzo(a)anthracene	1.426	1.306	1.269	1.266	1.281		1.310	5.1
Chrysene	1.563	1.649	1.613	1.569	1.463		1.571	4.4
Benzo(b)fluoranthene	1.324	1.219	1.180	1.253	1.257		1.246	4.3
Benzo(k)fluoranthene	1.455	1.530	1.478	1.452	1.394		1.462	3.4
Benzo(a)pyrene	1.225	1.209	1.225	1.228	1.197		1.217	1.1
Indeno(1,2,3-cd)pyrene	1.766	1.683	1.655	1.700	1.690		1.699	2.4
Dibenzo(a,h)anthracene	1.388	1.302	1.293	1.317	1.311		1.322	2.9
Benzo(g,h,i)perylene	1.477	1.440	1.394	1.420	1.401		1.426	2.3
Fluoranthene-d10	1.154	1.151	1.141	1.095	1.074		1.123	3.2
2-Methylnaphthalene-d10	0.552	0.538	0.514	0.497	0.485		0.517	5.4

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.: BM110624 SAS No.: BM110624 SDG NO.: BM110624

EPA Sample No.: SSTD0.4036

Date Analyzed: Nov 6 2024 12:00AM

Lab File ID: BM048473.D

Time Analyzed: 09:27

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	3648	7.683	11347	10.47	6385	14.33
	UPPER LIMIT	7296	8.183	22694	10.973	12770	14.825
	LOWER LIMIT	1824	7.183	5673.5	9.973	3192.5	13.825
	EPA SAMPLE NO.						
01	SSTD0.4076	1800 *	7.78	8434	10.55	4772	14.37
02	SICV040	4708	7.68	14917	10.47	8311	14.33
03	SBLK609	4054	7.68	12792	10.46	6778	14.32
04	SLCS673	3191	7.69	9955	10.48	5397	14.33
05	C0PI6	3631	7.68	11533	10.46	6233	14.33
06	CC0P1	3856	7.68	12162	10.46	6394	14.33
07	CC0P5	3949	7.68	12258	10.46	6446	14.32
08	CC0R5	3872	7.68	12209	10.46	6476	14.32
09	SBLK609	4571	7.68	14258	10.46	7605	14.33
10	C0PI8	4571	7.68	14071	10.46	7665	14.32
11	C0PI9	4731	7.67	15099	10.46	7904	14.32
12	C0PI2	5159	7.68	16666	10.46	8920	14.32
13	CC0P3	4400	7.68	14346	10.46	7664	14.32
14	C0PI0	4691	7.68	15110	10.46	8054	14.32
15	CC0P7	4718	7.68	15345	10.46	8115	14.32
16	CC0P9	4766	7.67	14960	10.46	7965	14.32
17	CC0Q1	5314	7.67	16685	10.46	8809	14.32
18	CC0R4	4882	7.67	15506	10.46	8180	14.32
19	CC0Q6	4549	7.67	14217	10.46	7553	14.32
20	CC0Q8	4437	7.67	13927	10.46	7702	14.32
21	CC0R3	4673	7.67	14607	10.46	7685	14.32
22	CC0R7	4656	7.67	14688	10.46	7803	14.32
23	CC0R7MS	4267	7.68	14388	10.46	8028	14.32

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM110624 SAS No.: BM110624 SDG NO.: BM110624

EPA Sample No.: SSTD0.4036 Date Analyzed: Nov 7 2024 12:00AM

Lab File ID: BM048473.D Time Analyzed: 05:37

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	3648	7.683	11347	10.47	6385	14.33
UPPER LIMIT	7296	8.183	22694	10.973	12770	14.825
LOWER LIMIT	1824	7.183	5673.5	9.973	3192.5	13.825
EPA SAMPLE NO.						
24 CC0R7MSD	3916	7.68	13366	10.46	7382	14.32
25 SLCS609	4356	7.69	14732	10.47	8270	14.32

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.: BM110624 SAS No.: BM110624 SDG NO.: BM110624

EPA Sample No.: SSTD0.4076 Date Analyzed: Nov 6 2024 12:00AM

Lab File ID: BM048484.D Time Analyzed: 20:34

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	3178	7.716	10760	10.49	5956	14.33
	UPPER LIMIT	6356	8.216	21520	10.99	11912	14.83
	LOWER LIMIT	1589	7.216	5380	9.99	2978	13.83
	EPA SAMPLE NO.						
01	SBLK609	4571	7.68	14258	10.46	7605	14.33
02	C0PI8	4571	7.68	14071	10.46	7665	14.32
03	C0PI9	4731	7.67	15099	10.46	7904	14.32
04	C0PI2	5159	7.68	16666	10.46	8920	14.32
05	CC0P3	4400	7.68	14346	10.46	7664	14.32
06	C0PI0	4691	7.68	15110	10.46	8054	14.32
07	CC0P7	4718	7.68	15345	10.46	8115	14.32
08	CC0P9	4766	7.67	14960	10.46	7965	14.32
09	CC0Q1	5314	7.67	16685	10.46	8809	14.32
10	CC0R4	4882	7.67	15506	10.46	8180	14.32
11	CC0Q6	4549	7.67	14217	10.46	7553	14.32
12	CC0Q8	4437	7.67	13927	10.46	7702	14.32
13	CC0R3	4673	7.67	14607	10.46	7685	14.32
14	CC0R7	4656	7.67	14688	10.46	7803	14.32
15	CC0R7MS	4267	7.68	14388	10.46	8028	14.32
16	CC0R7MSD	3916	7.68	13366	10.46	7382	14.32
17	SLCS609	4356	7.69	14732	10.47	8270	14.32

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM110624 SAS No.: BM110624 SDG NO.: BM110624

EPA Sample No.: SSTD0.4076 Date Analyzed: Nov 7 2024 12:00AM

Lab File ID: BM048484.D Time Analyzed: 06:13

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	3178	7.716	10760	10.49	5956	14.33
UPPER LIMIT	6356	8.216	21520	10.99	11912	14.83
LOWER LIMIT	1589	7.216	5380	9.99	2978	13.83
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM110624 SAS No.: BM110624 SDG NO.: BM110624

EPA Sample No.: SSTD0.4036 Date Analyzed: Nov 6 2024 12:00AM

Lab File ID: BM048473.D Time Analyzed: 09:27

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	12342	17.081	10303	21.263	11327	23.496
	UPPER LIMIT	24684	17.581	20606	21.763	22654	23.996
	LOWER LIMIT	6171	16.581	5151.5	20.763	5663.5	22.996
	EPA SAMPLE NO.						
01	SSTD0.4076	9069	17.14	8316	21.30	8925	23.53
02	SICV040	15578	17.08	13682	21.27	15025	23.49
03	SBLK609	13202	17.07	10258	21.28	8337	23.49
04	SLCS673	9898	17.09	8713	21.27	9585	23.50
05	C0PI6	12143	17.07	9762	21.28	7947	23.49
06	CC0P1	12581	17.07	9981	21.27	8530	23.49
07	CC0P5	12469	17.07	10477	21.27	8810	23.48
08	CC0R5	12834	17.07	10297	21.27	8448	23.48
09	SBLK609	15149	17.07	11738	21.28	9858	23.48
10	C0PI8	15233	17.07	12794	21.26	11418	23.48
11	C0PI9	15554	17.06	12436	21.26	11553	23.48
12	C0PI2	17796	17.07	16150	21.25	15208	23.47
13	CC0P3	15456	17.07	12622	21.26	10819	23.48
14	C0PI0	15969	17.06	12430	21.26	10938	23.48
15	CC0P7	16171	17.06	13234	21.25	13162	23.48
16	CC0P9	15516	17.06	13248	21.25	13719	23.47
17	CC0Q1	17619	17.06	15378	21.25	15349	23.47
18	CC0R4	16364	17.06	13011	21.25	12648	23.48
19	CC0Q6	15270	17.06	13052	21.25	12764	23.48
20	CC0Q8	15102	17.06	13438	21.25	13196	23.47
21	CC0R3	15200	17.06	12909	21.25	12744	23.48

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM110624 SAS No.: BM110624 SDG NO.: BM110624

EPA Sample No.: SSTD0.4036 Date Analyzed: Nov 7 2024 12:00AM

Lab File ID: BM048473.D Time Analyzed: 04:25

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	12342	17.081	10303	21.263	11327	23.496
UPPER LIMIT	24684	17.581	20606	21.763	22654	23.996
LOWER LIMIT	6171	16.581	5151.5	20.763	5663.5	22.996
EPA SAMPLE NO.						
22 CC0R7	15444	17.07	12320	21.26	12157	23.48
23 CC0R7MS	15086	17.07	13259	21.25	14493	23.48
24 CC0R7MSD	13946	17.07	12812	21.25	13877	23.48
25 SLCS609	15292	17.07	13476	21.25	15193	23.48

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.: BM110624 SAS No.: BM110624 SDG NO.: BM110624

EPA Sample No.: SSTD0.4076 Date Analyzed: Nov 6 2024 12:00AM

Lab File ID: BM048484.D Time Analyzed: 20:34

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	11756	17.089	9577	21.266	10242	23.496
	UPPER LIMIT	23512	17.589	19154	21.766	20484	23.996
	LOWER LIMIT	5878	16.589	4788.5	20.766	5121	22.996
	EPA SAMPLE NO.						
01	SBLK609	15149	17.07	11738	21.28	9858	23.48
02	C0PI8	15233	17.07	12794	21.26	11418	23.48
03	C0PI9	15554	17.06	12436	21.26	11553	23.48
04	C0PI2	17796	17.07	16150	21.25	15208	23.47
05	CC0P3	15456	17.07	12622	21.26	10819	23.48
06	C0PI0	15969	17.06	12430	21.26	10938	23.48
07	CC0P7	16171	17.06	13234	21.25	13162	23.48
08	CC0P9	15516	17.06	13248	21.25	13719	23.47
09	CC0Q1	17619	17.06	15378	21.25	15349	23.47
10	CC0R4	16364	17.06	13011	21.25	12648	23.48
11	CC0Q6	15270	17.06	13052	21.25	12764	23.48
12	CC0Q8	15102	17.06	13438	21.25	13196	23.47
13	CC0R3	15200	17.06	12909	21.25	12744	23.48
14	CC0R7	15444	17.07	12320	21.26	12157	23.48
15	CC0R7MS	15086	17.07	13259	21.25	14493	23.48
16	CC0R7MSD	13946	17.07	12812	21.25	13877	23.48
17	SLCS609	15292	17.07	13476	21.25	15193	23.48

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM110624 SAS No.: BM110624 SDG NO.: BM110624

EPA Sample No.: SSTD0.4076 Date Analyzed: Nov 7 2024 12:00AM

Lab File ID: BM048484.D Time Analyzed: 06:13

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	11756	17.089	9577	21.266	10242	23.496
UPPER LIMIT	23512	17.589	19154	21.766	20484	23.996
LOWER LIMIT	5878	16.589	4788.5	20.766	5121	22.996
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM110624

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.: BM110624

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164609BS	1,4-Dioxane	66.7	82	ug/Kg	123				0	0		
	Naphthalene	13.3	19	ug/Kg	143				0	0		
	1-Methylnaphthalene	13.3	22	ug/Kg	165				0	0		
	2-Methylnaphthalene	13.3	19	ug/Kg	143				0	0		
	Acenaphthylene	13.3	20	ug/Kg	150				0	0		
	Acenaphthene	13.3	19	ug/Kg	143				0	0		
	Fluorene	13.3	19	ug/Kg	143				0	0		
	Pentachlorophenol	26.7	31	ug/Kg	116				0	0		
	Phenanthrene	13.3	19	ug/Kg	143				0	0		
	Anthracene	13.3	19	ug/Kg	143				0	0		
	Fluoranthene	13.3	19	ug/Kg	143				0	0		
	Pyrene	13.3	19	ug/Kg	143				0	0		
	Benzo(a)anthracene	13.3	20	ug/Kg	150				0	0		
	Chrysene	13.3	20	ug/Kg	150				0	0		
	Benzo(b)fluoranthene	13.3	20	ug/Kg	150				0	0		
	Benzo(k)fluoranthene	13.3	20	ug/Kg	150				0	0		
	Benzo(a)pyrene	13.3	21	ug/Kg	158				0	0		
	Indeno(1,2,3-cd)pyrene	13.3	20	ug/Kg	150				0	0		
	Dibenzo(a,h)anthracene	13.3	20	ug/Kg	150				0	0		
	Benzo(g,h,i)perylene	13.3	20	ug/Kg	150				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM110624

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164673BS	1,4-Dioxane	2	1.8	ug/L	90				0	0		
	Naphthalene	0.4	0.37	ug/L	93				0	0		
	1-Methylnaphthalene	0.4	0.36	ug/L	90				0	0		
	2-Methylnaphthalene	0.4	0.37	ug/L	93				0	0		
	Acenaphthylene	0.4	0.38	ug/L	95				0	0		
	Acenaphthene	0.4	0.38	ug/L	95				0	0		
	Fluorene	0.4	0.38	ug/L	95				0	0		
	Pentachlorophenol	0.8	0.77	ug/L	96				0	0		
	Phenanthrene	0.4	0.39	ug/L	98				0	0		
	Anthracene	0.4	0.37	ug/L	93				0	0		
	Fluoranthene	0.4	0.4	ug/L	100				0	0		
	Pyrene	0.4	0.4	ug/L	100				0	0		
	Benzo(a)anthracene	0.4	0.37	ug/L	93				0	0		
	Chrysene	0.4	0.45	ug/L	113				0	0		
	Benzo(b)fluoranthene	0.4	0.42	ug/L	105				0	0		
	Benzo(k)fluoranthene	0.4	0.46	ug/L	115				0	0		
	Benzo(a)pyrene	0.4	0.43	ug/L	108				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0.43	ug/L	108				0	0		
	Dibenzo(a,h)anthracene	0.4	0.43	ug/L	108				0	0		
	Benzo(g,h,i)perylene	0.4	0.44	ug/L	110				0	0		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SSTD0.4076

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM110624

SAS No.: BM110624 SDG NO.: BM110624

Lab File ID: BM048470.D

Lab Sample ID: SSTDCCC0.4

Instrument ID: BNA_M

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 11/06/2024

Level: (low/med) LOW

Time Analyzed: 09:27

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SSTD0.4076	SSTDCCC0.4	BM048470.D	11/06/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK609

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM110624

SAS No.: BM110624 SDG NO.: BM110624

Lab File ID: BM048478.D

Lab Sample ID: PB164609BL

Instrument ID: BNA_M

Date Extracted: 11/01/2024

Matrix: (soil/water) Solid

Date Analyzed: 11/06/2024

Level: (low/med) LOW

Time Analyzed: 15:21

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
C0PI8	P4634-04	BM048486.D	11/06/2024
C0PI9	P4634-05	BM048487.D	11/06/2024
C0PI2	P4634-02	BM048488.D	11/06/2024
CC0P3	P4634-07	BM048489.D	11/06/2024
C0PI0	P4634-01	BM048490.D	11/06/2024
CC0P7	P4634-09	BM048491.D	11/07/2024
CC0P9	P4634-10	BM048492.D	11/07/2024
CC0Q1	P4634-11	BM048493.D	11/07/2024
CC0R4	P4634-15	BM048494.D	11/07/2024
CC0Q6	P4634-12	BM048495.D	11/07/2024
CC0Q8	P4634-13	BM048496.D	11/07/2024
CC0R3	P4634-14	BM048497.D	11/07/2024
CC0R7	P4634-17	BM048498.D	11/07/2024
CC0R7MS	P4634-18MS	BM048499.D	11/07/2024
CC0R7MSD	P4634-19MSD	BM048500.D	11/07/2024
PB164609BS	PB164609BS	BM048501.D	11/07/2024
C0PI6	P4634-03	BM048480.D	11/06/2024
CC0P1	P4634-06	BM048481.D	11/06/2024
CC0P5	P4634-08	BM048482.D	11/06/2024
CC0R5	P4634-16	BM048483.D	11/06/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SLCS673

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM110624

SAS No.: BM110624 SDG NO.: BM110624

Lab File ID: BM048479.D

Lab Sample ID: PB164673BS

Instrument ID: BNA_M

Date Extracted: 11/04/2024

Matrix: (soil/water) Water

Date Analyzed: 11/06/2024

Level: (low/med) LOW

Time Analyzed: 16:13

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164673BS	PB164673BS	BM048479.D	11/06/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM110624

Client: _____

Analytical Method: SFAM_SVOASIM

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4634-18MS	Client Sample ID:	CC0R7MS					DataFile:	BM048499.D		
1,4-Dioxane	81.9		48	ug/Kg	59				15	120	
Naphthalene	16.4		13	ug/Kg	79				0	0	
1-Methylnaphthalene	16.4		13	ug/Kg	79				0	0	
2-Methylnaphthalene	16.4		12	ug/Kg	73				0	0	
Acenaphthylene	16.4		13	ug/Kg	79				0	0	
Acenaphthene	16.4		13	ug/Kg	79				31	137	
Fluorene	16.4		13	ug/Kg	79				0	0	
Pentachlorophenol	32.8		3.6	ug/Kg	11	*			17	109	
Phenanthrene	16.4		13	ug/Kg	79				0	0	
Anthracene	16.4		13	ug/Kg	79				0	0	
Fluoranthene	16.4		13	ug/Kg	79				0	0	
Pyrene	16.4		13	ug/Kg	79				35	142	
Benzo(a)anthracene	16.4		14	ug/Kg	85				0	0	
Chrysene	16.4		13	ug/Kg	79				0	0	
Benzo(b)fluoranthene	16.4		14	ug/Kg	85				0	0	
Benzo(k)fluoranthene	16.4		13	ug/Kg	79				0	0	
Benzo(a)pyrene	16.4		13	ug/Kg	79				0	0	
Indeno(1,2,3-cd)pyrene	16.4		13	ug/Kg	79				0	0	
Dibenzo(a,h)anthracene	16.4		13	ug/Kg	79				0	0	
Benzo(g,h,i)perylene	16.4		13	ug/Kg	79				0	0	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BM110624

Client: _____

Analytical Method: SFAM_SVOASIM

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4634-19MSD	Client Sample ID:	CC0R7MSD					DataFile:	BM048500.D		
1,4-Dioxane	81.9		53	ug/Kg	65		10		15	120	50
Naphthalene	16.4		13	ug/Kg	79		0		0	0	0
1-Methylnaphthalene	16.4		13	ug/Kg	79		0		0	0	0
2-Methylnaphthalene	16.4		13	ug/Kg	79		8	*	0	0	0
Acenaphthylene	16.4		13	ug/Kg	79		0		0	0	0
Acenaphthene	16.4		13	ug/Kg	79		0		31	137	19
Fluorene	16.4		13	ug/Kg	79		0		0	0	0
Pentachlorophenol	32.8		3.4	ug/Kg	10	*	10		17	109	47
Phenanthrene	16.4		14	ug/Kg	85		7	*	0	0	0
Anthracene	16.4		13	ug/Kg	79		0		0	0	0
Fluoranthene	16.4		13	ug/Kg	79		0		0	0	0
Pyrene	16.4		13	ug/Kg	79		0		35	142	36
Benzo(a)anthracene	16.4		14	ug/Kg	85		0		0	0	0
Chrysene	16.4		14	ug/Kg	85		7	*	0	0	0
Benzo(b)fluoranthene	16.4		14	ug/Kg	85		0		0	0	0
Benzo(k)fluoranthene	16.4		14	ug/Kg	85		7	*	0	0	0
Benzo(a)pyrene	16.4		14	ug/Kg	85		7	*	0	0	0
Indeno(1,2,3-cd)pyrene	16.4		14	ug/Kg	85		7	*	0	0	0
Dibenzo(a,h)anthracene	16.4		13	ug/Kg	79		0		0	0	0
Benzo(g,h,i)perylene	16.4		13	ug/Kg	79		0		0	0	0

Surrogate Summary

SW-846

SDG No.: BM110624

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDCCC0.4	SSTD0.4076	BM048470.D	1,4-Dioxane-d8	8	733.00	9163	*	15	120
			Fluoranthene-d10	0.4	379.00	94750	*	30	130
			2-Methylnaphthalene-d10	0.4	352.00	88000	*	30	130

Surrogate Summary

SW-846

SDG No.: **BM110624**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4634-01	C0PI0	BM048490.D	1,4-Dioxane-d8	8	3.91	49		15	120
			Fluoranthene-d10	0.4	0.28	70		30	130
			2-Methylnaphthalene-d10	0.4	0.24	61		20	140
P4634-02	C0PI2	BM048488.D	1,4-Dioxane-d8	8	2.12	26		15	120
			Fluoranthene-d10	0.4	0.15	38		30	130
			2-Methylnaphthalene-d10	0.4	0.14	34		20	140
P4634-03	C0PI6	BM048480.D	1,4-Dioxane-d8	8	5.21	65		15	120
			Fluoranthene-d10	0.4	0.38	94		30	130
			2-Methylnaphthalene-d10	0.4	0.33	83		20	140
P4634-04	C0PI8	BM048486.D	1,4-Dioxane-d8	8	3.68	46		15	120
			Fluoranthene-d10	0.4	0.24	59		30	130
			2-Methylnaphthalene-d10	0.4	0.23	57		20	140
P4634-05	C0PI9	BM048487.D	1,4-Dioxane-d8	8	6.07	76		15	120
			Fluoranthene-d10	0.4	0.43	108		30	130
			2-Methylnaphthalene-d10	0.4	0.38	96		20	140
P4634-06	CC0P1	BM048481.D	1,4-Dioxane-d8	8	3.96	50		15	120
			Fluoranthene-d10	0.4	0.28	69		30	130
			2-Methylnaphthalene-d10	0.4	0.24	60		20	140
P4634-07	CC0P3	BM048489.D	1,4-Dioxane-d8	8	4.61	58		15	120
			Fluoranthene-d10	0.4	0.33	83		30	130
			2-Methylnaphthalene-d10	0.4	0.30	75		20	140
P4634-08	CC0P5	BM048482.D	1,4-Dioxane-d8	8	4.07	51		15	120
			Fluoranthene-d10	0.4	0.27	66		30	130
			2-Methylnaphthalene-d10	0.4	0.24	61		20	140
P4634-09	CC0P7	BM048491.D	1,4-Dioxane-d8	8	2.67	33		15	120
			Fluoranthene-d10	0.4	0.19	46		30	130
			2-Methylnaphthalene-d10	0.4	0.17	41		20	140
P4634-10	CC0P9	BM048492.D	1,4-Dioxane-d8	8	1.69	21		15	120
			Fluoranthene-d10	0.4	0.14	35		30	130
			2-Methylnaphthalene-d10	0.4	0.12	29		20	140
P4634-11	CC0Q1	BM048493.D	1,4-Dioxane-d8	8	3.80	48		15	120
			Fluoranthene-d10	0.4	0.26	65		30	130
			2-Methylnaphthalene-d10	0.4	0.27	67		20	140
P4634-12	CC0Q6	BM048495.D	1,4-Dioxane-d8	8	3.95	49		15	120
			Fluoranthene-d10	0.4	0.28	70		30	130
			2-Methylnaphthalene-d10	0.4	0.27	67		20	140
P4634-13	CC0Q8	BM048496.D	1,4-Dioxane-d8	8	1.19	15		15	120
			Fluoranthene-d10	0.4	0.09	23	*	30	130
			2-Methylnaphthalene-d10	0.4	0.08	21		20	140
P4634-14	CC0R3	BM048497.D	1,4-Dioxane-d8	8	4.31	54		15	120
			Fluoranthene-d10	0.4	0.28	71		30	130
			2-Methylnaphthalene-d10	0.4	0.28	69		20	140
P4634-15	CC0R4	BM048494.D	1,4-Dioxane-d8	8	5.08	64		15	120
			Fluoranthene-d10	0.4	0.36	90		30	130
			2-Methylnaphthalene-d10	0.4	0.33	83		20	140
P4634-16	CC0R5	BM048483.D	1,4-Dioxane-d8	8	4.69	59		15	120
			Fluoranthene-d10	0.4	0.30	75		30	130
			2-Methylnaphthalene-d10	0.4	0.27	68		20	140
P4634-17	CC0R7	BM048498.D	1,4-Dioxane-d8	8	4.46	56		15	120

Surrogate Summary

SW-846

SDG No.: BM110624

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4634-17	CC0R7	BM048498.D	Fluoranthene-d10	0.4	0.33	81		30	130
			2-Methylnaphthalene-d10	0.4	0.30	75		20	140
P4634-18MS	CC0R7MS	BM048499.D	1,4-Dioxane-d8	0.8	0.54	68		15	120
			Fluoranthene-d10	0.4	0.34	84		30	130
P4634-19MSD	CC0R7MSD	BM048500.D	2-Methylnaphthalene-d10	0.4	0.33	83		20	140
			1,4-Dioxane-d8	0.8	0.57	72		15	120
			Fluoranthene-d10	0.4	0.34	86		30	130
			2-Methylnaphthalene-d10	0.4	0.34	85		20	140
PB164609BL	PB164609BL	BM048485.D	1,4-Dioxane-d8	8	4.70	59		15	120
		BM048478.D	1,4-Dioxane-d8	8	4.82	60		15	120
			Fluoranthene-d10	0.4	0.31	77		30	130
			Fluoranthene-d10	0.4	0.30	75		30	130
			2-Methylnaphthalene-d10	0.4	0.27	67		20	140
			2-Methylnaphthalene-d10	0.4	0.27	66		20	140
PB164609BS	PB164609BS	BM048501.D	1,4-Dioxane-d8	0.8	1.02	127	*	15	120
			Fluoranthene-d10	0.4	0.60	149	*	30	130
			2-Methylnaphthalene-d10	0.4	0.60	150	*	20	140

Surrogate Summary

SW-846

SDG No.: BM110624

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB164673BS	PB164673BS	BM048479.D	1,4-Dioxane-d8	0.8	0.81	101		15	120
			Fluoranthene-d10	0.4	0.44	110		30	130
			2-Methylnaphthalene-d10	0.4	0.42	104		30	130

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM110624

Lab Code: CHEM

SAS No.: BM110624 SDG NO.: BM110624

Lab File ID: BM048469.D

DFTPP Injection Date: 11/06/2024

Instrument ID: BNA_M

DFTPP Injection Time: 08:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.8
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	34.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.3
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	12.1
442	Greater than 50% of mass 198	77
443	15.0 - 24.0% of mass 442	15.2 (19.8) 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
SSTD0.4076	SSTDCCC0.4	BM048470.D	11/06/2024	09:27
SSTD0.1034	SSTD0.106	BM048471.D	11/06/2024	11:03
SSTD0.2035	SSTD0.207	BM048472.D	11/06/2024	11:40
SSTD0.4036	SSTD0.408	BM048473.D	11/06/2024	12:16
SSTD0.8037	SSTD0.809	BM048474.D	11/06/2024	12:52
SSTD1.6038	SSTD1.610	BM048475.D	11/06/2024	13:29
SSTD3.2039	SSTD3.211	BM048476.D	11/06/2024	14:05
SICV040	SSTDICV0.4	BM048477.D	11/06/2024	14:44
SBLK609	PB164609BL	BM048478.D	11/06/2024	15:21
SLCS673	PB164673BS	BM048479.D	11/06/2024	16:13
C0PI6	P4634-03	BM048480.D	11/06/2024	16:55
CC0P1	P4634-06	BM048481.D	11/06/2024	17:32
CC0P5	P4634-08	BM048482.D	11/06/2024	18:08
CC0R5	P4634-16	BM048483.D	11/06/2024	18:45
SSTD0.4076	SSTDCCC0.4	BM048484.D	11/06/2024	19:58
SBLK609	PB164609BL	BM048485.D	11/06/2024	20:34
C0PI8	P4634-04	BM048486.D	11/06/2024	21:11
C0PI9	P4634-05	BM048487.D	11/06/2024	21:47

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM110624

Lab Code: CHEM

SAS No.: BM110624 SDG NO.: BM110624

Lab File ID: BM048469.D

DFTPP Injection Date: 11/06/2024

Instrument ID: BNA_M

DFTPP Injection Time: 08:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.8
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	34.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.3
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	12.1
442	Greater than 50% of mass 198	77
443	15.0 - 24.0% of mass 442	15.2 (19.8) 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
C0PI2	P4634-02	BM048488.D	11/06/2024	22:23
CC0P3	P4634-07	BM048489.D	11/06/2024	22:59
C0PI0	P4634-01	BM048490.D	11/06/2024	23:36
CC0P7	P4634-09	BM048491.D	11/07/2024	00:12
CC0P9	P4634-10	BM048492.D	11/07/2024	00:48
CC0Q1	P4634-11	BM048493.D	11/07/2024	01:24
CC0R4	P4634-15	BM048494.D	11/07/2024	02:00
CC0Q6	P4634-12	BM048495.D	11/07/2024	02:36
CC0Q8	P4634-13	BM048496.D	11/07/2024	03:13
CC0R3	P4634-14	BM048497.D	11/07/2024	03:49
CC0R7	P4634-17	BM048498.D	11/07/2024	04:25
CC0R7MS	P4634-18MS	BM048499.D	11/07/2024	05:01
CC0R7MSD	P4634-19MSD	BM048500.D	11/07/2024	05:37
SLCS609	PB164609BS	BM048501.D	11/07/2024	06:13
SSTD0.4077	SSTDCCC0.4EC	BM048502.D	11/07/2024	07:26