

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM042524 SAS No.: BM042524 SDG No.: BM042524

Instrument ID: BNA_M Calibration Date/Time: 4/25/2024 17:14

Lab File ID: BM045566.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4095 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.516	0.599	0.010	16.2232	40.0
1,4-Dioxane-d8	0.536	0.577	0.010	7.5658	40.0
Naphthalene	1.074	1.051	0.600	-2.1569	30.0
1-Methylnaphthalene	0.688	0.636	0.300	-7.4865	30.0
2-Methylnaphthalene	0.614	0.597	0.300	-2.622	30.0
Acenaphthylene	1.973	2.060	0.900	4.4126	30.0
Acenaphthene	1.465	1.425	0.500	-2.7507	30.0
Fluorene	1.567	1.445	0.700	-7.8108	30.0
Pentachlorophenol	0.080	0.108	0.010	35.3765	50.0
Phenanthrene	1.165	1.087	0.300	-6.6926	30.0
Anthracene	1.090	1.116	0.400	2.3745	30.0
Fluoranthene	1.846	1.539	0.400	-16.6183	30.0
Pyrene	1.897	1.649	0.500	-13.1059	30.0
Benzo (a) anthracene	1.279	1.411	0.400	10.3479	30.0
Chrysene	1.966	1.787	0.400	-9.0895	30.0
Benzo (b) fluoranthene	1.346	1.295	0.200	-3.7785	30.0
Benzo (k) fluoranthene	1.700	1.603	0.200	-5.6932	30.0
Benzo (a) pyrene	1.395	1.388	0.200	-0.5038	30.0
Indeno (1,2,3-cd) pyrene	2.028	2.005	0.200	-1.1398	30.0
Dibenzo (a,h) anthracene	1.609	1.576	0.200	-2.0273	30.0
Benzo (g,h,i) perylene	1.822	1.674	0.200	-8.1434	30.0
Fluoranthene-d10	1.259	1.062	0.400	-15.6414	30.0
2-Methylnaphthalene-d10	0.528	0.505	0.300	-4.2588	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.: BM042524 SAS No.: BM042524 SDG No.: BM042524
Instrument ID: BNA_M Calibration Date/Time: 4/26/2024 1:03:02
Lab File ID: BM045581.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD0.4096 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.516	0.583	0.010	12.9911	50.0
1,4-Dioxane-d8	0.536	0.618	0.010	15.2722	50.0
Naphthalene	1.074	1.063	0.600	-1.0254	50.0
1-Methylnaphthalene	0.688	0.658	0.300	-4.3727	50.0
2-Methylnaphthalene	0.614	0.626	0.300	2.0891	50.0
Acenaphthylene	1.973	2.157	0.900	9.3301	50.0
Acenaphthene	1.465	1.476	0.500	0.7493	50.0
Fluorene	1.567	1.505	0.700	-3.9279	50.0
Pentachlorophenol	0.080	0.108	0.010	35.598	50.0
Phenanthrene	1.165	1.115	0.300	-4.3086	50.0
Anthracene	1.090	1.142	0.400	4.803	50.0
Fluoranthene	1.846	1.599	0.400	-13.3637	50.0
Pyrene	1.897	1.705	0.500	-10.1303	50.0
Benzo (a) anthracene	1.279	1.512	0.400	18.2869	50.0
Chrysene	1.966	1.825	0.400	-7.1459	50.0
Benzo (b) fluoranthene	1.346	1.325	0.200	-1.5504	50.0
Benzo (k) fluoranthene	1.700	1.505	0.200	-11.4968	50.0
Benzo (a) pyrene	1.395	1.389	0.200	-0.4991	50.0
Indeno (1,2,3-cd) pyrene	2.028	2.006	0.200	-1.0921	50.0
Dibenzo (a,h) anthracene	1.609	1.556	0.200	-3.274	50.0
Benzo (g,h,i) perylene	1.822	1.684	0.200	-7.6044	50.0
Fluoranthene-d10	1.259	1.095	0.400	-13.0598	50.0
2-Methylnaphthalene-d10	0.528	0.491	0.300	-6.9816	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	SBLK494	SDG No.:	BM042524
Lab Sample ID:	PB160494BL	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045567.D	1	4/24/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160494

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.029	U	0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.321		15-120		79	SPK: -8
93951-69-0	Fluoranthene-d10	0.312		30-130		78	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.337		30-130		84	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	702		7.547			
1146-65-2	Naphthalene-d8	1989		10.309			
15067-26-2	Acenaphthene-d10	1006		14.196			

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	SBLK494	SDG No.:	BM042524
Lab Sample ID:	PB160494BL	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
BM045567.D	1	4/24/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160494

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	2002	16.963				
1719-03-5	Chrysene-d12	1596	21.196				
1520-96-3	Perylene-d12	1861	23.373				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	4/17/2024 12:00:00 AM
Project:		Date Received:	4/17/2024 12:00:00 AM
Client Sample ID:	YCSX4	SDG No.:	BM042524
Lab Sample ID:	P2142-02	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
BM045568.D	1	4/20/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.581		15-120		45	SPK: -8
93951-69-0	Fluoranthene-d10	0.391		30-130		98	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.357		30-130		89	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	862		7.543			
1146-65-2	Naphthalene-d8	2416		10.309			
15067-26-2	Acenaphthene-d10	1223		14.197			

Report of Analysis

Client:		Date Collected:	4/17/2024 12:00:00 AM
Project:		Date Received:	4/17/2024 12:00:00 AM
Client Sample ID:	YCSX4	SDG No.:	BM042524
Lab Sample ID:	P2142-02	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
BM045568.D	1	4/20/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	2471	16.96				
1719-03-5	Chrysene-d12	1958	21.192				
1520-96-3	Perylene-d12	2269	23.37				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	E1CY4	SDG No.:	BM042524
Lab Sample ID:	P2037-18	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	18
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
BM045569.D	1	4/15/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	8.1	ug/Kg
91-20-3	Naphthalene	25		0.24	1	4	ug/Kg
90-12-0	1-Methylnaphthalene	12		0.63	1	4	ug/Kg
91-57-6	2-Methylnaphthalene	20		0.23	1	4	ug/Kg
208-96-8	Acenaphthylene	7.6		0.4	1	4	ug/Kg
83-32-9	Acenaphthene	3.2	J	0.22	1	4	ug/Kg
86-73-7	Fluorene	1.9	J	0.27	1	4	ug/Kg
87-86-5	Pentachlorophenol	2.4	U	2.4	2	8.1	ug/Kg
85-01-8	Phenanthrene	98	E	0.22	1	4	ug/Kg
120-12-7	Anthracene	11		0.21	1	4	ug/Kg
206-44-0	Fluoranthene	84	E	0.22	1	4	ug/Kg
129-00-0	Pyrene	67	E	0.29	1	4	ug/Kg
56-55-3	Benzo(a)anthracene	58		0.11	1	4	ug/Kg
218-01-9	Chrysene	46		0.3	1	4	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	E	0.57	1	4	ug/Kg
207-08-9	Benzo(k)fluoranthene	20		0.39	1	4	ug/Kg
50-32-8	Benzo(a)pyrene	55		0.39	1	4	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	38		0.63	1	4	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	12		0.57	1	4	ug/Kg
191-24-2	Benzo(g,h,i)perylene	45		0.91	1	4	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.799		15-120		35	SPK: -8
93951-69-0	Fluoranthene-d10	0.164		30-130		41	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.208		20-140		52	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	852		7.547			
1146-65-2	Naphthalene-d8	2295		10.314			
15067-26-2	Acenaphthene-d10	1221		14.196			

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	E1CY4	SDG No.:	BM042524
Lab Sample ID:	P2037-18	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	18
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
BM045569.D	1	4/15/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	2542	16.959				
1719-03-5	Chrysene-d12	2096	21.178				
1520-96-3	Perylene-d12	3170	23.367				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	E1CY5	SDG No.:	BM042524
Lab Sample ID:	P2037-19	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	24.2
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045570.D	1	4/15/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	U	1.2	0	8.8	ug/Kg
91-20-3	Naphthalene	390	E	0.26	1.1	4.3	ug/Kg
90-12-0	1-Methylnaphthalene	14		0.68	1.1	4.3	ug/Kg
91-57-6	2-Methylnaphthalene	25		0.25	1.1	4.3	ug/Kg
208-96-8	Acenaphthylene	8.3		0.43	1.1	4.3	ug/Kg
83-32-9	Acenaphthene	5.2		0.24	1.1	4.3	ug/Kg
86-73-7	Fluorene	15		0.29	1.1	4.3	ug/Kg
87-86-5	Pentachlorophenol	2.6	U	2.6	2.2	8.8	ug/Kg
85-01-8	Phenanthrene	50		0.24	1.1	4.3	ug/Kg
120-12-7	Anthracene	17		0.22	1.1	4.3	ug/Kg
206-44-0	Fluoranthene	56		0.24	1.1	4.3	ug/Kg
129-00-0	Pyrene	48		0.32	1.1	4.3	ug/Kg
56-55-3	Benzo(a)anthracene	55		0.12	1.1	4.3	ug/Kg
218-01-9	Chrysene	37		0.33	1.1	4.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	99	E	0.62	1.1	4.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	31		0.42	1.1	4.3	ug/Kg
50-32-8	Benzo(a)pyrene	77	E	0.42	1.1	4.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	51		0.68	1.1	4.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	15		0.62	1.1	4.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	50		0.99	1.1	4.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.108		15-120		64	SPK: -8
93951-69-0	Fluoranthene-d10	0.307		30-130		77	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	902		7.547			
1146-65-2	Naphthalene-d8	2468		10.309			
15067-26-2	Acenaphthene-d10	1263		14.196			

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	E1CY5	SDG No.:	BM042524
Lab Sample ID:	P2037-19	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	24.2
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
BM045570.D	1	4/15/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	2506	16.959				
1719-03-5	Chrysene-d12	2029	21.181				
1520-96-3	Perylene-d12	2483	23.368				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.2	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	E1CY3	SDG No.:	BM042524
Lab Sample ID:	P2037-20	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	10.2
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045571.D	1	4/15/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.99	U	0.99	0	7.4	ug/Kg
91-20-3	Naphthalene	4.9		0.22	0.92	3.7	ug/Kg
90-12-0	1-Methylnaphthalene	2	J	0.58	0.92	3.7	ug/Kg
91-57-6	2-Methylnaphthalene	3.8		0.21	0.92	3.7	ug/Kg
208-96-8	Acenaphthylene	2.7	J	0.37	0.92	3.7	ug/Kg
83-32-9	Acenaphthene	1.1	J	0.2	0.92	3.7	ug/Kg
86-73-7	Fluorene	0.92	J	0.24	0.92	3.7	ug/Kg
87-86-5	Pentachlorophenol	2.2	U	2.2	1.9	7.4	ug/Kg
85-01-8	Phenanthrene	18		0.2	0.92	3.7	ug/Kg
120-12-7	Anthracene	3.6	J	0.19	0.92	3.7	ug/Kg
206-44-0	Fluoranthene	26		0.2	0.92	3.7	ug/Kg
129-00-0	Pyrene	20		0.27	0.92	3.7	ug/Kg
56-55-3	Benzo(a)anthracene	16		0.1	0.92	3.7	ug/Kg
218-01-9	Chrysene	15		0.28	0.92	3.7	ug/Kg
205-99-2	Benzo(b)fluoranthene	26		0.52	0.92	3.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	7.5		0.36	0.92	3.7	ug/Kg
50-32-8	Benzo(a)pyrene	13		0.36	0.92	3.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	11		0.58	0.92	3.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	3.3	J	0.52	0.92	3.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	13		0.83	0.92	3.7	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.969		15-120		62	SPK: -8
93951-69-0	Fluoranthene-d10	0.276		30-130		69	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.321		20-140		80	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	764		7.547			
1146-65-2	Naphthalene-d8	2193		10.309			
15067-26-2	Acenaphthene-d10	1175		14.196			

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	E1CY3	SDG No.:	BM042524
Lab Sample ID:	P2037-20	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	10.2
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
BM045571.D	1	4/15/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	2563	16.959				
1719-03-5	Chrysene-d12	2211	21.182				
1520-96-3	Perylene-d12	2848	23.368				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.99	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	E1CY6	SDG No.:	BM042524
Lab Sample ID:	P2037-21	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	10
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
BM045572.D	1	4/15/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.99	U	0.99	0	7.4	ug/Kg
91-20-3	Naphthalene	3.2	J	0.22	0.91	3.7	ug/Kg
90-12-0	1-Methylnaphthalene	1.4	J	0.58	0.91	3.7	ug/Kg
91-57-6	2-Methylnaphthalene	2.4	J	0.21	0.91	3.7	ug/Kg
208-96-8	Acenaphthylene	1.4	J	0.37	0.91	3.7	ug/Kg
83-32-9	Acenaphthene	0.2	U	0.2	0.91	3.7	ug/Kg
86-73-7	Fluorene	0.24	U	0.24	0.91	3.7	ug/Kg
87-86-5	Pentachlorophenol	2.2	U	2.2	1.9	7.4	ug/Kg
85-01-8	Phenanthrene	11		0.2	0.91	3.7	ug/Kg
120-12-7	Anthracene	0.19	U	0.19	0.91	3.7	ug/Kg
206-44-0	Fluoranthene	13		0.2	0.91	3.7	ug/Kg
129-00-0	Pyrene	10		0.27	0.91	3.7	ug/Kg
56-55-3	Benzo(a)anthracene	7.8		0.1	0.91	3.7	ug/Kg
218-01-9	Chrysene	9.2		0.28	0.91	3.7	ug/Kg
205-99-2	Benzo(b)fluoranthene	16		0.52	0.91	3.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	3.4	J	0.35	0.91	3.7	ug/Kg
50-32-8	Benzo(a)pyrene	7.1		0.35	0.91	3.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	6.2		0.58	0.91	3.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2	J	0.52	0.91	3.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	7.5		0.83	0.91	3.7	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.381		15-120		42	SPK: -8
93951-69-0	Fluoranthene-d10	0.208		30-130		52	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.217		20-140		54	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	754		7.547			
1146-65-2	Naphthalene-d8	2049		10.314			
15067-26-2	Acenaphthene-d10	1051		14.196			

Report of Analysis

Client:		Date Collected:	4/8/2024 12:00:00 AM
Project:		Date Received:	4/8/2024 12:00:00 AM
Client Sample ID:	E1CY6	SDG No.:	BM042524
Lab Sample ID:	P2037-21	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	10
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
BM045572.D	1	4/15/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	2196	16.963				
1719-03-5	Chrysene-d12	1913	21.181				
1520-96-3	Perylene-d12	2478	23.367				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.99	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/9/2024 12:00:00 AM
Project:		Date Received:	4/9/2024 12:00:00 AM
Client Sample ID:	E1CX7	SDG No.:	BM042524
Lab Sample ID:	P2037-22	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	7.8
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
BM045573.D	1	4/15/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.97	U	0.97	0	7.3	ug/Kg
91-20-3	Naphthalene	21		0.22	0.89	3.6	ug/Kg
90-12-0	1-Methylnaphthalene	4.6		0.56	0.89	3.6	ug/Kg
91-57-6	2-Methylnaphthalene	10		0.21	0.89	3.6	ug/Kg
208-96-8	Acenaphthylene	4.8		0.36	0.89	3.6	ug/Kg
83-32-9	Acenaphthene	1.7	J	0.2	0.89	3.6	ug/Kg
86-73-7	Fluorene	2.7	J	0.24	0.89	3.6	ug/Kg
87-86-5	Pentachlorophenol	2.2	U	2.2	1.8	7.3	ug/Kg
85-01-8	Phenanthrene	45		0.2	0.89	3.6	ug/Kg
120-12-7	Anthracene	10		0.18	0.89	3.6	ug/Kg
206-44-0	Fluoranthene	71	E	0.2	0.89	3.6	ug/Kg
129-00-0	Pyrene	61	E	0.26	0.89	3.6	ug/Kg
56-55-3	Benzo(a)anthracene	60	E	0.1	0.89	3.6	ug/Kg
218-01-9	Chrysene	50		0.27	0.89	3.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	E	0.51	0.89	3.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	24		0.35	0.89	3.6	ug/Kg
50-32-8	Benzo(a)pyrene	46		0.35	0.89	3.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	39		0.56	0.89	3.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	13		0.51	0.89	3.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	38		0.81	0.89	3.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.914		15-120		49	SPK: -8
93951-69-0	Fluoranthene-d10	0.231		30-130		58	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.264		20-140		66	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	712		7.543			
1146-65-2	Naphthalene-d8	2005		10.309			
15067-26-2	Acenaphthene-d10	1086		14.196			

Report of Analysis

Client:		Date Collected:	4/9/2024 12:00:00 AM
Project:		Date Received:	4/9/2024 12:00:00 AM
Client Sample ID:	E1CX7	SDG No.:	BM042524
Lab Sample ID:	P2037-22	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	7.8
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
BM045573.D	1	4/15/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	2366	16.959				
1719-03-5	Chrysene-d12	2127	21.176				
1520-96-3	Perylene-d12	2839	23.362				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.97	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/9/2024 12:00:00 AM
Project:		Date Received:	4/9/2024 12:00:00 AM
Client Sample ID:	E1CX8RE	SDG No.:	BM042524
Lab Sample ID:	P2037-23RE	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	6.4
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
BM045574.D	1	4/15/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.95	U	0.95	0	7.1	ug/Kg
91-20-3	Naphthalene	11		0.21	0.88	3.5	ug/Kg
90-12-0	1-Methylnaphthalene	14		0.55	0.88	3.5	ug/Kg
91-57-6	2-Methylnaphthalene	14		0.2	0.88	3.5	ug/Kg
208-96-8	Acenaphthylene	9.6		0.35	0.88	3.5	ug/Kg
83-32-9	Acenaphthene	3.3	J	0.19	0.88	3.5	ug/Kg
86-73-7	Fluorene	0.23	U	0.23	0.88	3.5	ug/Kg
87-86-5	Pentachlorophenol	2.1	U	2.1	1.8	7.1	ug/Kg
85-01-8	Phenanthrene	86	E	0.19	0.88	3.5	ug/Kg
120-12-7	Anthracene	0.18	U	0.18	0.88	3.5	ug/Kg
206-44-0	Fluoranthene	55		0.19	0.88	3.5	ug/Kg
129-00-0	Pyrene	73	E	0.26	0.88	3.5	ug/Kg
56-55-3	Benzo(a)anthracene	37		0.1	0.88	3.5	ug/Kg
218-01-9	Chrysene	47		0.27	0.88	3.5	ug/Kg
205-99-2	Benzo(b)fluoranthene	65	E	0.5	0.88	3.5	ug/Kg
207-08-9	Benzo(k)fluoranthene	18		0.34	0.88	3.5	ug/Kg
50-32-8	Benzo(a)pyrene	29		0.34	0.88	3.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	14		0.55	0.88	3.5	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.5	U	0.5	0.88	3.5	ug/Kg
191-24-2	Benzo(g,h,i)perylene	14		0.8	0.88	3.5	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.96		15-120		50	SPK: -8
93951-69-0	Fluoranthene-d10	0.224		30-130		56	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.364		20-140		91	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	904		7.547			
1146-65-2	Naphthalene-d8	2447		10.309			
15067-26-2	Acenaphthene-d10	1676		14.196			

Report of Analysis

Client:		Date Collected:	4/9/2024 12:00:00 AM
Project:		Date Received:	4/9/2024 12:00:00 AM
Client Sample ID:	E1CX8RE	SDG No.:	BM042524
Lab Sample ID:	P2037-23RE	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	6.4
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
BM045574.D	1	4/15/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	3880	16.963				
1719-03-5	Chrysene-d12	8608	21.19				
1520-96-3	Perylene-d12	11389	23.403				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.95	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/9/2024 12:00:00 AM
Project:		Date Received:	4/9/2024 12:00:00 AM
Client Sample ID:	E1CX9RE	SDG No.:	BM042524
Lab Sample ID:	P2037-24RE	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	10.5
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045575.D	1	4/15/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.99	U	0.99	0	7.5	ug/Kg
91-20-3	Naphthalene	32		0.22	0.92	3.7	ug/Kg
90-12-0	1-Methylnaphthalene	8.3		0.58	0.92	3.7	ug/Kg
91-57-6	2-Methylnaphthalene	11		0.21	0.92	3.7	ug/Kg
208-96-8	Acenaphthylene	7.4		0.37	0.92	3.7	ug/Kg
83-32-9	Acenaphthene	5		0.2	0.92	3.7	ug/Kg
86-73-7	Fluorene	4.6		0.24	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	65	E	0.2	0.92	3.7	ug/Kg
120-12-7	Anthracene	7.5		0.19	0.92	3.7	ug/Kg
206-44-0	Fluoranthene	51		0.2	0.92	3.7	ug/Kg
129-00-0	Pyrene	56		0.27	0.92	3.7	ug/Kg
56-55-3	Benzo(a)anthracene	32		0.1	0.92	3.7	ug/Kg
218-01-9	Chrysene	31		0.28	0.92	3.7	ug/Kg
205-99-2	Benzo(b)fluoranthene	50		0.52	0.92	3.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	15		0.36	0.92	3.7	ug/Kg
50-32-8	Benzo(a)pyrene	25		0.36	0.92	3.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	13		0.58	0.92	3.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.52	U	0.52	0.92	3.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	14		0.84	0.92	3.7	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.586		15-120		45	SPK: -8
93951-69-0	Fluoranthene-d10	0.216		30-130		54	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.274		20-140		68	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1170		7.547			
1146-65-2	Naphthalene-d8	3102		10.314			
15067-26-2	Acenaphthene-d10	1676		14.196			

Report of Analysis

Client:		Date Collected:	4/9/2024 12:00:00 AM
Project:		Date Received:	4/9/2024 12:00:00 AM
Client Sample ID:	E1CX9RE	SDG No.:	BM042524
Lab Sample ID:	P2037-24RE	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	10.5
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
BM045575.D	1	4/15/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160252

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	3710	16.963				
1719-03-5	Chrysene-d12	4633	21.181				
1520-96-3	Perylene-d12	6281	23.379				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.99	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	C0AA7RE	SDG No.:	BM042524
Lab Sample ID:	P2104-05RE	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	7.4
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045576.D	1	4/12/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160222

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	0.22	U	0.22	0.89	3.6	ug/Kg
90-12-0	1-Methylnaphthalene	0.56	U	0.56	0.89	3.6	ug/Kg
91-57-6	2-Methylnaphthalene	0.21	U	0.21	0.89	3.6	ug/Kg
208-96-8	Acenaphthylene	20		0.36	0.89	3.6	ug/Kg
83-32-9	Acenaphthene	1.5	J	0.19	0.89	3.6	ug/Kg
86-73-7	Fluorene	8		0.24	0.89	3.6	ug/Kg
87-86-5	Pentachlorophenol	2.2	U	2.2	1.8	7.2	ug/Kg
85-01-8	Phenanthrene	7.9		0.19	0.89	3.6	ug/Kg
120-12-7	Anthracene	20		0.18	0.89	3.6	ug/Kg
206-44-0	Fluoranthene	9.1		0.19	0.89	3.6	ug/Kg
129-00-0	Pyrene	2.1	J	0.26	0.89	3.6	ug/Kg
56-55-3	Benzo(a)anthracene	9		0.1	0.89	3.6	ug/Kg
218-01-9	Chrysene	3.2	J	0.27	0.89	3.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	6.3		0.51	0.89	3.6	ug/Kg
207-08-9	Benzo(k)fluoranthene	3.1	J	0.35	0.89	3.6	ug/Kg
50-32-8	Benzo(a)pyrene	1.9	J	0.35	0.89	3.6	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.4	J	0.56	0.89	3.6	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.51	U	0.51	0.89	3.6	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1	J	0.81	0.89	3.6	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.789		15-120		35	SPK: -8
93951-69-0	Fluoranthene-d10	0.002	*	30-130		1	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.009	*	20-140		2	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1031		7.551			
1146-65-2	Naphthalene-d8	2798		10.325			
15067-26-2	Acenaphthene-d10	1476		14.2			

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	C0AA7RE	SDG No.:	BM042524
Lab Sample ID:	P2104-05RE	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	7.4
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045576.D	1	4/12/2024 12:00:00 AM	4/25/2024 12:00:00 AM	PB160222

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	3169	16.967				
1719-03-5	Chrysene-d12	3766	21.178				
1520-96-3	Perylene-d12	4702	23.365				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.96	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/19/2024 12:00:00 AM
Project:		Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	YCSW0	SDG No.:	BM042524
Lab Sample ID:	P2141-05	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	990 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
BM045577.D	1	4/22/2024 12:00:00 AM	4/26/2024 12:00:00 AM	PB160429

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.03	U	0.03	0	0.2	ug/L
91-20-3	Naphthalene	0	U	0	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.02	U	0.02	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.01	U	0.01	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.01	U	0.01	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.01	U	0.01	0.05	0.1	ug/L
86-73-7	Fluorene	0.01	U	0.01	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.06	U	0.06	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.01	U	0.01	0.05	0.1	ug/L
120-12-7	Anthracene	0.01	U	0.01	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.01	U	0.01	0.05	0.1	ug/L
129-00-0	Pyrene	0.01	U	0.01	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0	U	0	0.05	0.1	ug/L
218-01-9	Chrysene	0.01	U	0.01	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.01	U	0.01	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.01	U	0.01	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.02	U	0.02	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.02	U	0.02	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.01	U	0.01	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.02	U	0.02	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.794		15-120		47	SPK: -8
93951-69-0	Fluoranthene-d10	0.349		30-130		87	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.358		30-130		90	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1052		7.547			
1146-65-2	Naphthalene-d8	2810		10.309			
15067-26-2	Acenaphthene-d10	1361		14.197			

Report of Analysis

Client:		Date Collected:	4/19/2024 12:00:00 AM
Project:		Date Received:	4/19/2024 12:00:00 AM
Client Sample ID:	YCSW0	SDG No.:	BM042524
Lab Sample ID:	P2141-05	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	
Injection Volume :		Level :	LOW
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045577.D	1	4/22/2024 12:00:00 AM	4/26/2024 12:00:00 AM	PB160429

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	2579	16.959				
1719-03-5	Chrysene-d12	2455	21.189				
1520-96-3	Perylene-d12	2858	23.372				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.03	U			99	ug/L

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	C0AP6	SDG No.:	BM042524
Lab Sample ID:	P2251-01	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
BM045578.D	1	4/24/2024 12:00:00 AM	4/26/2024 12:00:00 AM	PB160494

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.664		15-120		46	SPK: -8
93951-69-0	Fluoranthene-d10	0.327		30-130		82	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.311		30-130		78	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1148		7.547			
1146-65-2	Naphthalene-d8	3064		10.308			
15067-26-2	Acenaphthene-d10	1448		14.196			

Report of Analysis

Client:		Date Collected:	4/23/2024 12:00:00 AM
Project:		Date Received:	4/23/2024 12:00:00 AM
Client Sample ID:	C0AP6	SDG No.:	BM042524
Lab Sample ID:	P2251-01	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
BM045578.D	1	4/24/2024 12:00:00 AM	4/26/2024 12:00:00 AM	PB160494

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	2811	16.959				
1719-03-5	Chrysene-d12	2518	21.189				
1520-96-3	Perylene-d12	3016	23.369				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	SLCS494	SDG No.:	BM042524
Lab Sample ID:	PB160494BS	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
BM045579.D	1	4/24/2024 12:00:00 AM	4/26/2024 12:00:00 AM	PB160494

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.9		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.34		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.3		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.34		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.39		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.34		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.32		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.94		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.34		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	0.29		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.31		0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.43		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.33		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.36		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.33		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.36		0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.35		0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.35		0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.32		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.695		15-120		87	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.287		30-130		72	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.323		30-130		81	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	967	7.555				
1146-65-2	Naphthalene-d8	3040	10.33				
15067-26-2	Acenaphthene-d10	1382	14.205				

Report of Analysis

Client:		Date Collected:	4/24/2024 12:00:00 AM
Project:		Date Received:	4/24/2024 12:00:00 AM
Client Sample ID:	SLCS494	SDG No.:	BM042524
Lab Sample ID:	PB160494BS	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
BM045579.D	1	4/24/2024 12:00:00 AM	4/26/2024 12:00:00 AM	PB160494

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	2480	16.975				
1719-03-5	Chrysene-d12	2269	21.187				
1520-96-3	Perylene-d12	3476	23.376				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	4/13/2024 12:00:00 AM
Project:		Date Received:	4/13/2024 12:00:00 AM
Client Sample ID:	SLCS234	SDG No.:	BM042524
Lab Sample ID:	PB160234BS	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
BM045580.D	1	4/13/2024 12:00:00 AM	4/26/2024 12:00:00 AM	PB160234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.2		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	0.35		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.35		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.41		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.37		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.34		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	1.1		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.37		0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.42		0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.31		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.32		0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.44		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.36		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.39		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.36		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.39		0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.4		0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.4		0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.37		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.779		15-120		97	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.296		30-130		74	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.353		30-130		88	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	827		7.559			
1146-65-2	Naphthalene-d8	2541		10.331			
15067-26-2	Acenaphthene-d10	1205		14.205			

Report of Analysis

Client:		Date Collected:	4/13/2024 12:00:00 AM
Project:		Date Received:	4/13/2024 12:00:00 AM
Client Sample ID:	SLCS234	SDG No.:	BM042524
Lab Sample ID:	PB160234BS	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
BM045580.D	1	4/13/2024 12:00:00 AM	4/26/2024 12:00:00 AM	PB160234

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	2151	16.98				
1719-03-5	Chrysene-d12	2024	21.19				
1520-96-3	Perylene-d12	2953	23.379				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Hit Summary Sheet SW-846

SDG No.: BM042524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : E1CY4								
P2037-18	E1CY4	Solid	Total Alkanes	*	0.000	1.1	8.1	ug/Kg
			Total Tics :			0.00		
P2037-18	E1CY4	Solid	1-Methylnaphthalene		12.000	0.63	4	ug/Kg
P2037-18	E1CY4	Solid	2-Methylnaphthalene		20.000	0.23	4	ug/Kg
P2037-18	E1CY4	Solid	Acenaphthene		3.200 J	0.22	4	ug/Kg
P2037-18	E1CY4	Solid	Acenaphthylene		7.600	0.4	4	ug/Kg
P2037-18	E1CY4	Solid	Anthracene		11.000	0.21	4	ug/Kg
P2037-18	E1CY4	Solid	Benzo(a)anthracene		58.000	0.11	4	ug/Kg
P2037-18	E1CY4	Solid	Benzo(a)pyrene		55.000	0.39	4	ug/Kg
P2037-18	E1CY4	Solid	Benzo(b)fluoranthene		81.000 E	0.57	4	ug/Kg
P2037-18	E1CY4	Solid	Benzo(g,h,i)perylene		45.000	0.91	4	ug/Kg
P2037-18	E1CY4	Solid	Benzo(k)fluoranthene		20.000	0.39	4	ug/Kg
P2037-18	E1CY4	Solid	Chrysene		46.000	0.3	4	ug/Kg
P2037-18	E1CY4	Solid	Dibenzo(a,h)anthracene		12.000	0.57	4	ug/Kg
P2037-18	E1CY4	Solid	Fluoranthene		84.000 E	0.22	4	ug/Kg
P2037-18	E1CY4	Solid	Fluorene		1.900 J	0.27	4	ug/Kg
P2037-18	E1CY4	Solid	Indeno(1,2,3-cd)pyrene		38.000	0.63	4	ug/Kg
P2037-18	E1CY4	Solid	Naphthalene		25.000	0.24	4	ug/Kg
P2037-18	E1CY4	Solid	Phenanthrene		98.000 E	0.22	4	ug/Kg
P2037-18	E1CY4	Solid	Pyrene		67.000 E	0.29	4	ug/Kg
			Total Svoc :			684.70		
			Total Concentration:			684.70		
Client ID : E1CY5								
P2037-19	E1CY5	Solid	Total Alkanes	*	0.000	1.2	8.8	ug/Kg
			Total Tics :			0.00		
P2037-19	E1CY5	Solid	1-Methylnaphthalene		14.000	0.68	4.3	ug/Kg
P2037-19	E1CY5	Solid	2-Methylnaphthalene		25.000	0.25	4.3	ug/Kg
P2037-19	E1CY5	Solid	Acenaphthene		5.200	0.24	4.3	ug/Kg
P2037-19	E1CY5	Solid	Acenaphthylene		8.300	0.43	4.3	ug/Kg
P2037-19	E1CY5	Solid	Anthracene		17.000	0.22	4.3	ug/Kg
P2037-19	E1CY5	Solid	Benzo(a)anthracene		55.000	0.12	4.3	ug/Kg
P2037-19	E1CY5	Solid	Benzo(a)pyrene		77.000 E	0.42	4.3	ug/Kg
P2037-19	E1CY5	Solid	Benzo(b)fluoranthene		99.000 E	0.62	4.3	ug/Kg
P2037-19	E1CY5	Solid	Benzo(g,h,i)perylene		50.000	0.99	4.3	ug/Kg
P2037-19	E1CY5	Solid	Benzo(k)fluoranthene		31.000	0.42	4.3	ug/Kg
P2037-19	E1CY5	Solid	Chrysene		37.000	0.33	4.3	ug/Kg
P2037-19	E1CY5	Solid	Dibenzo(a,h)anthracene		15.000	0.62	4.3	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM042524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2037-19	E1CY5	Solid	Fluoranthene	56.000		0.24	4.3	ug/Kg
P2037-19	E1CY5	Solid	Fluorene	15.000		0.29	4.3	ug/Kg
P2037-19	E1CY5	Solid	Indeno(1,2,3-cd)pyrene	51.000		0.68	4.3	ug/Kg
P2037-19	E1CY5	Solid	Naphthalene	390.000	E	0.26	4.3	ug/Kg
P2037-19	E1CY5	Solid	Phenanthrene	50.000		0.24	4.3	ug/Kg
P2037-19	E1CY5	Solid	Pyrene	48.000		0.32	4.3	ug/Kg
Total Svoc :				1,043.50				
Total Concentration:				1,043.50				

Client ID : E1CY3

P2037-20	E1CY3	Solid	Total Alkanes	*	0.000	0.99	7.4	ug/Kg
Total Tics :				0.00				
P2037-20	E1CY3	Solid	1-Methylnaphthalene	J	2.000	0.58	3.7	ug/Kg
P2037-20	E1CY3	Solid	2-Methylnaphthalene		3.800	0.21	3.7	ug/Kg
P2037-20	E1CY3	Solid	Acenaphthene	J	1.100	0.2	3.7	ug/Kg
P2037-20	E1CY3	Solid	Acenaphthylene	J	2.700	0.37	3.7	ug/Kg
P2037-20	E1CY3	Solid	Anthracene	J	3.600	0.19	3.7	ug/Kg
P2037-20	E1CY3	Solid	Benzo(a)anthracene		16.000	0.1	3.7	ug/Kg
P2037-20	E1CY3	Solid	Benzo(a)pyrene		13.000	0.36	3.7	ug/Kg
P2037-20	E1CY3	Solid	Benzo(b)fluoranthene		26.000	0.52	3.7	ug/Kg
P2037-20	E1CY3	Solid	Benzo(g,h,i)perylene		13.000	0.83	3.7	ug/Kg
P2037-20	E1CY3	Solid	Benzo(k)fluoranthene		7.500	0.36	3.7	ug/Kg
P2037-20	E1CY3	Solid	Chrysene		15.000	0.28	3.7	ug/Kg
P2037-20	E1CY3	Solid	Dibenzo(a,h)anthracene	J	3.300	0.52	3.7	ug/Kg
P2037-20	E1CY3	Solid	Fluoranthene		26.000	0.2	3.7	ug/Kg
P2037-20	E1CY3	Solid	Fluorene	J	0.920	0.24	3.7	ug/Kg
P2037-20	E1CY3	Solid	Indeno(1,2,3-cd)pyrene		11.000	0.58	3.7	ug/Kg
P2037-20	E1CY3	Solid	Naphthalene		4.900	0.22	3.7	ug/Kg
P2037-20	E1CY3	Solid	Phenanthrene		18.000	0.2	3.7	ug/Kg
P2037-20	E1CY3	Solid	Pyrene		20.000	0.27	3.7	ug/Kg
Total Svoc :				187.82				
Total Concentration:				187.82				

Client ID : E1CY6

P2037-21	E1CY6	Solid	Total Alkanes	*	0.000	0.99	7.4	ug/Kg
Total Tics :				0.00				
P2037-21	E1CY6	Solid	1-Methylnaphthalene	J	1.400	0.58	3.7	ug/Kg
P2037-21	E1CY6	Solid	2-Methylnaphthalene	J	2.400	0.21	3.7	ug/Kg
P2037-21	E1CY6	Solid	Acenaphthylene	J	1.400	0.37	3.7	ug/Kg
P2037-21	E1CY6	Solid	Benzo(a)anthracene		7.800	0.1	3.7	ug/Kg
P2037-21	E1CY6	Solid	Benzo(a)pyrene		7.100	0.35	3.7	ug/Kg
P2037-21	E1CY6	Solid	Benzo(b)fluoranthene		16.000	0.52	3.7	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM042524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2037-21	E1CY6	Solid	Benzo(g,h,i)perylene	7.500		0.83	3.7	ug/Kg
P2037-21	E1CY6	Solid	Benzo(k)fluoranthene	3.400	J	0.35	3.7	ug/Kg
P2037-21	E1CY6	Solid	Chrysene	9.200		0.28	3.7	ug/Kg
P2037-21	E1CY6	Solid	Dibenzo(a,h)anthracene	2.000	J	0.52	3.7	ug/Kg
P2037-21	E1CY6	Solid	Fluoranthene	13.000		0.2	3.7	ug/Kg
P2037-21	E1CY6	Solid	Indeno(1,2,3-cd)pyrene	6.200		0.58	3.7	ug/Kg
P2037-21	E1CY6	Solid	Naphthalene	3.200	J	0.22	3.7	ug/Kg
P2037-21	E1CY6	Solid	Phenanthrene	11.000		0.2	3.7	ug/Kg
P2037-21	E1CY6	Solid	Pyrene	10.000		0.27	3.7	ug/Kg
Total Svoc :				101.60				
Total Concentration:				101.60				
Client ID : E1CX7								
P2037-22	E1CX7	Solid	Total Alkanes	*	0.000	0.97	7.3	ug/Kg
Total Tics :				0.00				
P2037-22	E1CX7	Solid	1-Methylnaphthalene		4.600	0.56	3.6	ug/Kg
P2037-22	E1CX7	Solid	2-Methylnaphthalene		10.000	0.21	3.6	ug/Kg
P2037-22	E1CX7	Solid	Acenaphthene		1.700	J 0.2	3.6	ug/Kg
P2037-22	E1CX7	Solid	Acenaphthylene		4.800	0.36	3.6	ug/Kg
P2037-22	E1CX7	Solid	Anthracene		10.000	0.18	3.6	ug/Kg
P2037-22	E1CX7	Solid	Benzo(a)anthracene		60.000	E 0.1	3.6	ug/Kg
P2037-22	E1CX7	Solid	Benzo(a)pyrene		46.000	0.35	3.6	ug/Kg
P2037-22	E1CX7	Solid	Benzo(b)fluoranthene		100.000	E 0.51	3.6	ug/Kg
P2037-22	E1CX7	Solid	Benzo(g,h,i)perylene		38.000	0.81	3.6	ug/Kg
P2037-22	E1CX7	Solid	Benzo(k)fluoranthene		24.000	0.35	3.6	ug/Kg
P2037-22	E1CX7	Solid	Chrysene		50.000	0.27	3.6	ug/Kg
P2037-22	E1CX7	Solid	Dibenzo(a,h)anthracene		13.000	0.51	3.6	ug/Kg
P2037-22	E1CX7	Solid	Fluoranthene		71.000	E 0.2	3.6	ug/Kg
P2037-22	E1CX7	Solid	Fluorene		2.700	J 0.24	3.6	ug/Kg
P2037-22	E1CX7	Solid	Indeno(1,2,3-cd)pyrene		39.000	0.56	3.6	ug/Kg
P2037-22	E1CX7	Solid	Naphthalene		21.000	0.22	3.6	ug/Kg
P2037-22	E1CX7	Solid	Phenanthrene		45.000	0.2	3.6	ug/Kg
P2037-22	E1CX7	Solid	Pyrene		61.000	E 0.26	3.6	ug/Kg
Total Svoc :				601.80				
Total Concentration:				601.80				
Client ID : E1CX8RE								
P2037-23RE	E1CX8RE	Solid	Total Alkanes	*	0.000	0.95	7.1	ug/Kg
Total Tics :				0.00				
P2037-23RE	E1CX8RE	Solid	1-Methylnaphthalene		14.000	0.55	3.5	ug/Kg
P2037-23RE	E1CX8RE	Solid	2-Methylnaphthalene		14.000	0.2	3.5	ug/Kg
P2037-23RE	E1CX8RE	Solid	Acenaphthene		3.300	J 0.19	3.5	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM042524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2037-23RE	E1CX8RE	Solid	Acenaphthylene	9.600		0.35	3.5	ug/Kg
P2037-23RE	E1CX8RE	Solid	Benzo(a)anthracene	37.000		0.1	3.5	ug/Kg
P2037-23RE	E1CX8RE	Solid	Benzo(a)pyrene	29.000		0.34	3.5	ug/Kg
P2037-23RE	E1CX8RE	Solid	Benzo(b)fluoranthene	65.000	E	0.5	3.5	ug/Kg
P2037-23RE	E1CX8RE	Solid	Benzo(g,h,i)perylene	14.000		0.8	3.5	ug/Kg
P2037-23RE	E1CX8RE	Solid	Benzo(k)fluoranthene	18.000		0.34	3.5	ug/Kg
P2037-23RE	E1CX8RE	Solid	Chrysene	47.000		0.27	3.5	ug/Kg
P2037-23RE	E1CX8RE	Solid	Fluoranthene	55.000		0.19	3.5	ug/Kg
P2037-23RE	E1CX8RE	Solid	Indeno(1,2,3-cd)pyrene	14.000		0.55	3.5	ug/Kg
P2037-23RE	E1CX8RE	Solid	Naphthalene	11.000		0.21	3.5	ug/Kg
P2037-23RE	E1CX8RE	Solid	Phenanthrene	86.000	E	0.19	3.5	ug/Kg
P2037-23RE	E1CX8RE	Solid	Pyrene	73.000	E	0.26	3.5	ug/Kg
Total Svoc :						489.90		
Total Concentration:						489.90		

Client ID : E1CX9RE

P2037-24RE	E1CX9RE	Solid	Total Alkanes	*	0.000	0.99	7.5	ug/Kg
Total Tics :						0.00		
P2037-24RE	E1CX9RE	Solid	1-Methylnaphthalene		8.300	0.58	3.7	ug/Kg
P2037-24RE	E1CX9RE	Solid	2-Methylnaphthalene		11.000	0.21	3.7	ug/Kg
P2037-24RE	E1CX9RE	Solid	Acenaphthene		5.000	0.2	3.7	ug/Kg
P2037-24RE	E1CX9RE	Solid	Acenaphthylene		7.400	0.37	3.7	ug/Kg
P2037-24RE	E1CX9RE	Solid	Anthracene		7.500	0.19	3.7	ug/Kg
P2037-24RE	E1CX9RE	Solid	Benzo(a)anthracene		32.000	0.1	3.7	ug/Kg
P2037-24RE	E1CX9RE	Solid	Benzo(a)pyrene		25.000	0.36	3.7	ug/Kg
P2037-24RE	E1CX9RE	Solid	Benzo(b)fluoranthene		50.000	0.52	3.7	ug/Kg
P2037-24RE	E1CX9RE	Solid	Benzo(g,h,i)perylene		14.000	0.84	3.7	ug/Kg
P2037-24RE	E1CX9RE	Solid	Benzo(k)fluoranthene		15.000	0.36	3.7	ug/Kg
P2037-24RE	E1CX9RE	Solid	Chrysene		31.000	0.28	3.7	ug/Kg
P2037-24RE	E1CX9RE	Solid	Fluoranthene		51.000	0.2	3.7	ug/Kg
P2037-24RE	E1CX9RE	Solid	Fluorene		4.600	0.24	3.7	ug/Kg
P2037-24RE	E1CX9RE	Solid	Indeno(1,2,3-cd)pyrene		13.000	0.58	3.7	ug/Kg
P2037-24RE	E1CX9RE	Solid	Naphthalene		32.000	0.22	3.7	ug/Kg
P2037-24RE	E1CX9RE	Solid	Phenanthrene		65.000	E 0.2	3.7	ug/Kg
P2037-24RE	E1CX9RE	Solid	Pyrene		56.000	0.27	3.7	ug/Kg
Total Svoc :						427.80		
Total Concentration:						427.80		

Client ID : C0AA7RE

P2104-05RE	C0AA7RE	Solid	Total Alkanes	*	0.000	0.96	7.2	ug/Kg
Total Tics :						0.00		
P2104-05RE	C0AA7RE	Solid	Acenaphthene		1.500	J 0.19	3.6	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM042524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2104-05RE	C0AA7RE	Solid	Acenaphthylene	20.000		0.36	3.6	ug/Kg
P2104-05RE	C0AA7RE	Solid	Anthracene	20.000		0.18	3.6	ug/Kg
P2104-05RE	C0AA7RE	Solid	Benzo(a)anthracene	9.000		0.1	3.6	ug/Kg
P2104-05RE	C0AA7RE	Solid	Benzo(a)pyrene	1.900	J	0.35	3.6	ug/Kg
P2104-05RE	C0AA7RE	Solid	Benzo(b)fluoranthene	6.300		0.51	3.6	ug/Kg
P2104-05RE	C0AA7RE	Solid	Benzo(g,h,i)perylene	1.000	J	0.81	3.6	ug/Kg
P2104-05RE	C0AA7RE	Solid	Benzo(k)fluoranthene	3.100	J	0.35	3.6	ug/Kg
P2104-05RE	C0AA7RE	Solid	Chrysene	3.200	J	0.27	3.6	ug/Kg
P2104-05RE	C0AA7RE	Solid	Fluoranthene	9.100		0.19	3.6	ug/Kg
P2104-05RE	C0AA7RE	Solid	Fluorene	8.000		0.24	3.6	ug/Kg
P2104-05RE	C0AA7RE	Solid	Indeno(1,2,3-cd)pyrene	1.400	J	0.56	3.6	ug/Kg
P2104-05RE	C0AA7RE	Solid	Phenanthrene	7.900		0.19	3.6	ug/Kg
P2104-05RE	C0AA7RE	Solid	Pyrene	2.100	J	0.26	3.6	ug/Kg
Total Svoc :						94.50		
Total Concentration:						94.50		
Client ID : YCSW0								
P2141-05	YCSW0	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L
Total Tics :						0.00		
Total Concentration:						0.00		
Client ID : YCSX4								
P2142-02	YCSX4	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
Total Tics :						0.00		
P2142-02	YCSX4	Water	1,4-Dioxane		1.000	0.029	0.2	ug/L
Total Svoc :						1.00		
Total Concentration:						1.00		
Client ID : C0AP6								
P2251-01	C0AP6	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
Total Tics :						0.00		
P2251-01	C0AP6	Water	1,4-Dioxane		1.200	0.029	0.2	ug/L
Total Svoc :						1.20		
Total Concentration:						1.20		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM042024 SAS No.: BM042024 SDG No.: BM042024
Instrument ID: _____ Calibration Date(s): 4/20/2024 : _____
Calibration Time(s): 13:42 _____

LAB FILE ID:		RRFAL1 = BM045422.D			RRFAL2 = BM045423.D		RRFAL3 = BM045424.D	
		RRFAL4 = BM045425.D			RRFAL5 = BM045426.D		RRFAL6 = BM045427.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane		0.605	0.525	0.495	0.480	0.475	0.516	10.4
1,4-Dioxane-d8		0.633	0.595	0.508	0.482	0.463	0.536	13.8
Naphthalene	1.089	1.048	1.108	1.078	1.048		1.074	2.4
1-Methylnaphthalene	0.680	0.672	0.703	0.714	0.671		0.688	2.8
2-Methylnaphthalene	0.553	0.551	0.656	0.669	0.638		0.614	9.3
Acenaphthylene	2.015	1.942	1.961	1.972	1.973		1.973	1.4
Acenaphthene	1.462	1.439	1.470	1.481	1.472		1.465	1.1
Fluorene	1.508	1.588	1.512	1.612	1.615		1.567	3.4
Pentachlorophenol		0.062	0.080	0.075	0.093	0.088	0.080	15.1
Phenanthrene	1.170	1.182	1.140	1.163	1.171		1.165	1.4
Anthracene	1.079	1.103	1.064	1.083	1.121		1.090	2.0
Fluoranthene	1.793	2.094	1.820	1.978	1.544		1.846	11.3
Pyrene	1.904	2.146	1.866	1.983	1.589		1.897	10.7
Benzo(a)anthracene	1.095	1.194	1.337	1.355	1.412		1.279	10.2
Chrysene	2.258	2.069	2.006	1.843	1.654		1.966	11.7
Benzo(b)fluoranthene	1.271	1.339	1.314	1.400	1.403		1.346	4.2
Benzo(k)fluoranthene	1.767	1.831	1.687	1.634	1.581		1.700	5.9
Benzo(a)pyrene	1.476	1.394	1.371	1.358	1.379		1.395	3.3
Indeno(1,2,3-cd)pyrene	2.064	2.016	2.016	2.034	2.011		2.028	1.1
Dibenzo(a,h)anthracene	1.643	1.592	1.591	1.611	1.606		1.609	1.3
Benzo(g,h,i)perylene	1.911	1.853	1.821	1.791	1.737		1.822	3.6
Fluoranthene-d10	1.159	1.428	1.259	1.376	1.075		1.259	11.7
2-Methylnaphthalene-d10	0.505	0.513	0.542	0.553	0.524		0.528	3.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM042524 SAS No.: BM042524 SDG NO.: BM042524

EPA Sample No.: SSTD0.4031 Date Analyzed: Apr 25 2024 12:00AM

Lab File ID: BM045424.D Time Analyzed: 17:51

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	787	7.585	2144	10.37	1138	14.23
UPPER LIMIT	1574	8.085	4288	10.874	2276	14.728
LOWER LIMIT	393.5	7.085	1072	9.874	569	13.728
EPA SAMPLE NO.						
01 SBLK494	702	7.55	1989	10.31	1006	14.20
02 YCSX4	862	7.54	2416	10.31	1223	14.20
03 E1CY4	852	7.55	2295	10.31	1221	14.20
04 E1CY5	902	7.55	2468	10.31	1263	14.20
05 E1CY3	764	7.55	2193	10.31	1175	14.20
06 E1CY6	754	7.55	2049	10.31	1051	14.20
07 E1CX7	712	7.54	2005	10.31	1086	14.20
08 E1CX8RE	904	7.55	2447	10.31	1676	14.20
09 E1CX9RE	1170	7.55	3102	10.31	1676	14.20
10 C0AA7RE	1031	7.55	2798	10.33	1476	14.20
11 YCSW0	1052	7.55	2810	10.31	1361	14.20
12 C0AP6	1148	7.55	3064	10.31	1448	14.20
13 SLCS494	967	7.56	3040	10.33	1382	14.21
14 SLCS234	827	7.56	2541	10.33	1205	14.21

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.: BM042524 SAS No.: BM042524 SDG NO.: BM042524

EPA Sample No.: SSTD0.4095 Date Analyzed: Apr 25 2024 12:00AM

Lab File ID: BM045566.D Time Analyzed: 17:51

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	704	7.576	2176	10.34	1055	14.21
UPPER LIMIT	1408	8.076	4352	10.836	2110	14.705
LOWER LIMIT	352	7.076	1088	9.836	527.5	13.705
EPA SAMPLE NO.						
01 SBLK494	702	7.55	1989	10.31	1006	14.20
02 YCSX4	862	7.54	2416	10.31	1223	14.20
03 E1CY4	852	7.55	2295	10.31	1221	14.20
04 E1CY5	902	7.55	2468	10.31	1263	14.20
05 E1CY3	764	7.55	2193	10.31	1175	14.20
06 E1CY6	754	7.55	2049	10.31	1051	14.20
07 E1CX7	712	7.54	2005	10.31	1086	14.20
08 E1CX8RE	904	7.55	2447	10.31	1676	14.20
09 E1CX9RE	1170	7.55	3102	10.31	1676	14.20
10 C0AA7RE	1031	7.55	2798	10.33	1476	14.20
11 YCSW0	1052	7.55	2810	10.31	1361	14.20
12 C0AP6	1148	7.55	3064	10.31	1448	14.20
13 SLCS494	967	7.56	3040	10.33	1382	14.21
14 SLCS234	827	7.56	2541	10.33	1205	14.21

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.: BM042524 SAS No.: BM042524 SDG NO.: BM042524

EPA Sample No.: SSTD0.4031 Date Analyzed: Apr 25 2024 12:00AM

Lab File ID: BM045424.D Time Analyzed: 17:51

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	2172	17.005	1443	21.216	2117	23.42
	UPPER LIMIT	4344	17.505	2886	21.716	4234	23.92
	LOWER LIMIT	1086	16.505	721.5	20.716	1058.5	22.92
	EPA SAMPLE NO.						
01	SBLK494	2002	16.96	1596	21.20	1861	23.37
02	YCSX4	2471	16.96	1958	21.19	2269	23.37
03	E1CY4	2542	16.96	2096	21.18	3170	23.37
04	E1CY5	2506	16.96	2029	21.18	2483	23.37
05	E1CY3	2563	16.96	2211	21.18	2848	23.37
06	E1CY6	2196	16.96	1913	21.18	2478	23.37
07	E1CX7	2366	16.96	2127	21.18	2839	23.36
08	E1CX8RE	3880	16.96	8608 *	21.19	11389 *	23.40
09	E1CX9RE	3710	16.96	4633 *	21.18	6281 *	23.38
10	C0AA7RE	3169	16.97	3766 *	21.18	4702 *	23.37
11	YCSW0	2579	16.96	2455	21.19	2858	23.37
12	C0AP6	2811	16.96	2518	21.19	3016	23.37
13	SLCS494	2480	16.98	2269	21.19	3476	23.38
14	SLCS234	2151	16.98	2024	21.19	2953	23.38

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.: BM042524 SAS No.: BM042524 SDG NO.: BM042524

EPA Sample No.: SSTD0.4095 Date Analyzed: Apr 25 2024 12:00AM

Lab File ID: BM045566.D Time Analyzed: 17:51

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	2047	16.98	1762	21.19	2528	23.379
	UPPER LIMIT	4094	17.48	3524	21.69	5056	23.879
	LOWER LIMIT	1023.5	16.48	881	20.69	1264	22.879
	EPA SAMPLE NO.						
01	SBLK494	2002	16.96	1596	21.20	1861	23.37
02	YCSX4	2471	16.96	1958	21.19	2269	23.37
03	E1CY4	2542	16.96	2096	21.18	3170	23.37
04	E1CY5	2506	16.96	2029	21.18	2483	23.37
05	E1CY3	2563	16.96	2211	21.18	2848	23.37
06	E1CY6	2196	16.96	1913	21.18	2478	23.37
07	E1CX7	2366	16.96	2127	21.18	2839	23.36
08	E1CX8RE	3880	16.96	8608 *	21.19	11389 *	23.40
09	E1CX9RE	3710	16.96	4633 *	21.18	6281 *	23.38
10	C0AA7RE	3169	16.97	3766 *	21.18	4702	23.37
11	YCSW0	2579	16.96	2455	21.19	2858	23.37
12	C0AP6	2811	16.96	2518	21.19	3016	23.37
13	SLCS494	2480	16.98	2269	21.19	3476	23.38
14	SLCS234	2151	16.98	2024	21.19	2953	23.38

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 LOWER 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.: BM042524

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160234BS	1,4-Dioxane	2	2.2	ug/L	110				0	0		
	Naphthalene	0.4	0.37	ug/L	93				0	0		
	1-Methylnaphthalene	0.4	0.35	ug/L	88				0	0		
	2-Methylnaphthalene	0.4	0.35	ug/L	88				0	0		
	Acenaphthylene	0.4	0.41	ug/L	103				0	0		
	Acenaphthene	0.4	0.37	ug/L	93				0	0		
	Fluorene	0.4	0.34	ug/L	85				0	0		
	Pentachlorophenol	0.8	1.1	ug/L	138				0	0		
	Phenanthrene	0.4	0.37	ug/L	93				0	0		
	Anthracene	0.4	0.42	ug/L	105				0	0		
	Fluoranthene	0.4	0.31	ug/L	78				0	0		
	Pyrene	0.4	0.32	ug/L	80				0	0		
	Benzo(a)anthracene	0.4	0.44	ug/L	110				0	0		
	Chrysene	0.4	0.36	ug/L	90				0	0		
	Benzo(b)fluoranthene	0.4	0.39	ug/L	98				0	0		
	Benzo(k)fluoranthene	0.4	0.36	ug/L	90				0	0		
	Benzo(a)pyrene	0.4	0.39	ug/L	98				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0.4	ug/L	100				0	0		
	Dibenzo(a,h)anthracene	0.4	0.4	ug/L	100				0	0		
	Benzo(g,h,i)perylene	0.4	0.37	ug/L	93				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM042524

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB160494BS	1,4-Dioxane	2	1.9	ug/L	95				0	0	
	Naphthalene	0.4	0.34	ug/L	85				0	0	
	1-Methylnaphthalene	0.4	0.3	ug/L	75				0	0	
	2-Methylnaphthalene	0.4	0.34	ug/L	85				0	0	
	Acenaphthylene	0.4	0.39	ug/L	98				0	0	
	Acenaphthene	0.4	0.34	ug/L	85				0	0	
	Fluorene	0.4	0.32	ug/L	80				0	0	
	Pentachlorophenol	0.8	0.94	ug/L	117				0	0	
	Phenanthrene	0.4	0.34	ug/L	85				0	0	
	Anthracene	0.4	0.37	ug/L	93				0	0	
	Fluoranthene	0.4	0.29	ug/L	73				0	0	
	Pyrene	0.4	0.31	ug/L	78				0	0	
	Benzo(a)anthracene	0.4	0.43	ug/L	108				0	0	
	Chrysene	0.4	0.33	ug/L	83				0	0	
	Benzo(b)fluoranthene	0.4	0.36	ug/L	90				0	0	
	Benzo(k)fluoranthene	0.4	0.33	ug/L	83				0	0	
	Benzo(a)pyrene	0.4	0.36	ug/L	90				0	0	
	Indeno(1,2,3-cd)pyrene	0.4	0.35	ug/L	88				0	0	
	Dibenzo(a,h)anthracene	0.4	0.35	ug/L	88				0	0	
	Benzo(g,h,i)perylene	0.4	0.32	ug/L	80				0	0	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SLCS234

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM042524

SAS No.: BM042524 SDG NO.: BM042524

Lab File ID: BM045580.D

Lab Sample ID: PB160234BS

Instrument ID: BNA_M

Date Extracted: 04/13/2024

Matrix: (soil/water) Water

Date Analyzed: 04/26/2024

Level: (low/med) LOW

Time Analyzed: 01:49

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160234BS	PB160234BS	BM045580.D	04/26/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

E1CY4

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM042524

SAS No.: BM042524 SDG NO.: BM042524

Lab File ID: BM045569.D

Lab Sample ID: P2037-18

Instrument ID: BNA_M

Date Extracted: 04/15/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/25/2024

Level: (low/med) LOW

Time Analyzed: 19:05

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E1CY4	P2037-18	BM045569.D	04/25/2024
E1CY5	P2037-19	BM045570.D	04/25/2024
E1CY3	P2037-20	BM045571.D	04/25/2024
E1CY6	P2037-21	BM045572.D	04/25/2024
E1CX7	P2037-22	BM045573.D	04/25/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

YCSX4

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM042524

SAS No.: BM042524 SDG NO.: BM042524

Lab File ID: BM045568.D

Lab Sample ID: P2142-02

Instrument ID: BNA_M

Date Extracted: 04/20/2024

Matrix: (soil/water) Water

Date Analyzed: 04/25/2024

Level: (low/med) LOW

Time Analyzed: 18:28

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
YCSX4	P2142-02	BM045568.D	04/25/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

YCSW0

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM042524

SAS No.: BM042524 SDG NO.: BM042524

Lab File ID: BM045577.D

Lab Sample ID: P2141-05

Instrument ID: BNA_M

Date Extracted: 04/22/2024

Matrix: (soil/water) Water

Date Analyzed: 04/26/2024

Level: (low/med) LOW

Time Analyzed: 00:00

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
YCSW0	P2141-05	BM045577.D	04/26/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK494

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM042524

SAS No.: BM042524 SDG NO.: BM042524

Lab File ID: BM045567.D

Lab Sample ID: PB160494BL

Instrument ID: BNA_M

Date Extracted: 04/24/2024

Matrix: (soil/water) Water

Date Analyzed: 04/25/2024

Level: (low/med) LOW

Time Analyzed: 17:51

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
C0AP6	P2251-01	BM045578.D	04/26/2024
PB160494BS	PB160494BS	BM045579.D	04/26/2024

COMMENTS: _____



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

Surrogate Summary

SW-846

SDG No.: BM042524

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
P2104-05RE	C0AA7RE	BM045576.D	1,4-Dioxane-d8	8	2.79	35		15	120
			Fluoranthene-d10	0.4	0.00	1	*	30	130
			2-Methylnaphthalene-d10	0.4	0.01	2	*	20	140



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Surrogate Summary

SW-846

SDG No.: BM042524

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
PB160234BS	PB160234BS	BM045580.D	1,4-Dioxane-d8	0.8	0.78	97		15	120
			Fluoranthene-d10	0.4	0.30	74		30	130
			2-Methylnaphthalene-d10	0.4	0.35	88		30	130

Surrogate Summary

SW-846

SDG No.: **BM042524**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
P2037-18	E1CY4	BM045569.D	1,4-Dioxane-d8	8	2.80	35		15	120
			Fluoranthene-d10	0.4	0.16	41		30	130
			2-Methylnaphthalene-d10	0.4	0.21	52		20	140
P2037-19	E1CY5	BM045570.D	1,4-Dioxane-d8	8	5.11	64		15	120
			Fluoranthene-d10	0.4	0.31	77		30	130
			2-Methylnaphthalene-d10	0.4	0.33	83		20	140
P2037-20	E1CY3	BM045571.D	1,4-Dioxane-d8	8	4.97	62		15	120
			Fluoranthene-d10	0.4	0.28	69		30	130
			2-Methylnaphthalene-d10	0.4	0.32	80		20	140
P2037-21	E1CY6	BM045572.D	1,4-Dioxane-d8	8	3.38	42		15	120
			Fluoranthene-d10	0.4	0.21	52		30	130
			2-Methylnaphthalene-d10	0.4	0.22	54		20	140
P2037-22	E1CX7	BM045573.D	1,4-Dioxane-d8	8	3.91	49		15	120
			Fluoranthene-d10	0.4	0.23	58		30	130
			2-Methylnaphthalene-d10	0.4	0.26	66		20	140
P2037-23RE	E1CX8RE	BM045574.D	1,4-Dioxane-d8	8	3.96	50		15	120
			Fluoranthene-d10	0.4	0.22	56		30	130
			2-Methylnaphthalene-d10	0.4	0.36	91		20	140
P2037-24RE	E1CX9RE	BM045575.D	1,4-Dioxane-d8	8	3.59	45		15	120
			Fluoranthene-d10	0.4	0.22	54		30	130
			2-Methylnaphthalene-d10	0.4	0.27	68		20	140



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Surrogate Summary

SW-846

SDG No.: BM042524

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
P2142-02	YCSX4	BM045568.D	1,4-Dioxane-d8	8	3.58	45		15	120
			Fluoranthene-d10	0.4	0.39	98		30	130
			2-Methylnaphthalene-d10	0.4	0.36	89		30	130



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Surrogate Summary

SW-846

SDG No.: BM042524

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
P2141-05	YCSW0	BM045577.D	1,4-Dioxane-d8	8	3.79	47		15	120
			Fluoranthene-d10	0.4	0.35	87		30	130
			2-Methylnaphthalene-d10	0.4	0.36	90		30	130



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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: **BM042524**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
P2251-01	C0AP6	BM045578.D	1,4-Dioxane-d8	8	3.66	46		15	120
			Fluoranthene-d10	0.4	0.33	82		30	130
			2-Methylnaphthalene-d10	0.4	0.31	78		30	130
PB160494BL	PB160494BL	BM045567.D	1,4-Dioxane-d8	8	6.32	79		15	120
			Fluoranthene-d10	0.4	0.31	78		30	130
			2-Methylnaphthalene-d10	0.4	0.34	84		30	130
PB160494BS	PB160494BS	BM045579.D	1,4-Dioxane-d8	0.8	0.70	87		15	120
			Fluoranthene-d10	0.4	0.29	72		30	130
			2-Methylnaphthalene-d10	0.4	0.32	81		30	130

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM042524

Lab Code: CHEM

SAS No.: BM042524

SDG NO.: BM042524

Lab File ID: BM045565.D

DFTPP Injection Date: 04/25/2024

Instrument ID: BNA_M

DFTPP Injection Time: 16:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	70.7
68	Less than 2.0% of mass 69	1.3 (2) 1
69	Mass 69 relative abundance	66.1
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	65.1
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	6.2
275	10.0 - 60.0% of mass 198	24.6
365	Greater than 1% of mass 198	6.3
441	Present, but less than mass 443	12.8
442	Greater than 50% of mass 198	75.2
443	15.0 - 24.0% of mass 442	13.8 (18.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD0.4095	SSTDCCC0.4	BM045566.D	04/25/2024	17:14
SBLK494	PB160494BL	BM045567.D	04/25/2024	17:51
YCSX4	P2142-02	BM045568.D	04/25/2024	18:28
E1CY4	P2037-18	BM045569.D	04/25/2024	19:05
E1CY5	P2037-19	BM045570.D	04/25/2024	19:42
E1CY3	P2037-20	BM045571.D	04/25/2024	20:19
E1CY6	P2037-21	BM045572.D	04/25/2024	20:56
E1CX7	P2037-22	BM045573.D	04/25/2024	21:33
E1CX8RE	P2037-23RE	BM045574.D	04/25/2024	22:10
E1CX9RE	P2037-24RE	BM045575.D	04/25/2024	22:47
C0AA7RE	P2104-05RE	BM045576.D	04/25/2024	23:23
YCSW0	P2141-05	BM045577.D	04/26/2024	00:00
C0AP6	P2251-01	BM045578.D	04/26/2024	00:37
SLCS494	PB160494BS	BM045579.D	04/26/2024	01:13
SLCS234	PB160234BS	BM045580.D	04/26/2024	01:49
SSTD0.4096	SSTDCCC0.4EC	BM045581.D	04/26/2024	03:02