

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN051724 SAS No.: BN051724 SDG No.: BN051724

Instrument ID: BNA_N Calibration Date/Time: 5/16/2024 1:09:57

Lab File ID: BN031543.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4375 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.502	0.496	0.010	-1.1846	40.0
1,4-Dioxane-d8	0.482	0.473	0.010	-1.7767	40.0
Naphthalene	1.070	1.003	0.600	-6.2606	30.0
1-Methylnaphthalene	0.714	0.657	0.300	-7.9597	30.0
2-Methylnaphthalene	0.676	0.626	0.300	-7.2738	30.0
Acenaphthylene	1.816	1.620	0.900	-10.821	30.0
Acenaphthene	1.382	1.275	0.500	-7.7237	30.0
Fluorene	1.534	1.397	0.700	-8.9311	30.0
Pentachlorophenol	0.062	0.046	0.010	-25.7899	50.0
Phenanthrene	1.171	1.092	0.300	-6.7543	30.0
Anthracene	0.989	0.881	0.400	-10.8513	30.0
Fluoranthene	1.487	1.469	0.400	-1.2455	30.0
Pyrene	1.472	1.409	0.500	-4.284	30.0
Benzo (a) anthracene	1.384	1.205	0.400	-12.9811	30.0
Chrysene	1.495	1.357	0.400	-9.2339	30.0
Benzo (b) fluoranthene	1.473	1.362	0.200	-7.528	30.0
Benzo (k) fluoranthene	1.594	1.492	0.200	-6.4262	30.0
Benzo (a) pyrene	1.290	1.102	0.200	-14.5996	30.0
Indeno (1,2,3-cd) pyrene	1.500	1.274	0.200	-15.031	30.0
Dibenzo (a,h) anthracene	1.189	1.003	0.200	-15.6237	30.0
Benzo (g,h,i) perylene	1.206	0.989	0.200	-17.9899	30.0
Fluoranthene-d10	1.110	1.080	0.400	-2.6998	30.0
2-Methylnaphthalene-d10	0.567	0.521	0.300	-8.1259	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.: BN051724 SAS No.: BN051724 SDG No.: BN051724
 Instrument ID: BNA_N Calibration Date/Time: 5/16/2024 1:17:28
 Lab File ID: BN031554.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTD0.4376 Init. Calib. Time(s): _____
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.502	0.488	0.010	-2.7104	50.0
1,4-Dioxane-d8	0.482	0.457	0.010	-5.1713	50.0
Naphthalene	1.070	1.006	0.600	-6.0199	50.0
1-Methylnaphthalene	0.714	0.678	0.300	-5.0926	50.0
2-Methylnaphthalene	0.676	0.639	0.300	-5.4118	50.0
Acenaphthylene	1.816	1.668	0.900	-8.175	50.0
Acenaphthene	1.382	1.277	0.500	-7.6121	50.0
Fluorene	1.534	1.402	0.700	-8.5935	50.0
Pentachlorophenol	0.062	0.049	0.010	-21.2535	50.0
Phenanthrene	1.171	1.079	0.300	-7.8542	50.0
Anthracene	0.989	0.912	0.400	-7.8099	50.0
Fluoranthene	1.487	1.552	0.400	4.3466	50.0
Pyrene	1.472	1.519	0.500	3.1974	50.0
Benzo (a) anthracene	1.384	1.252	0.400	-9.5371	50.0
Chrysene	1.495	1.343	0.400	-10.1787	50.0
Benzo (b) fluoranthene	1.473	1.409	0.200	-4.3387	50.0
Benzo (k) fluoranthene	1.594	1.514	0.200	-5.065	50.0
Benzo (a) pyrene	1.290	1.161	0.200	-10.0426	50.0
Indeno (1,2,3-cd) pyrene	1.500	1.295	0.200	-13.6295	50.0
Dibenzo (a,h) anthracene	1.189	1.016	0.200	-14.5125	50.0
Benzo (g,h,i) perylene	1.206	0.996	0.200	-17.3756	50.0
Fluoranthene-d10	1.110	1.163	0.400	4.8082	50.0
2-Methylnaphthalene-d10	0.567	0.534	0.300	-5.7979	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	SBLK898	SDG No.:	BN051724
Lab Sample ID:	PB160898BL	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
BN031544.D	1	5/13/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160898

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.031	U	0.031	0	0.2	ug/L
91-20-3	Naphthalene	0.011	U	0.011	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.024	U	0.024	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.011	U	0.011	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.014	U	0.014	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.013	U	0.013	0.05	0.1	ug/L
86-73-7	Fluorene	0.022	U	0.022	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.041	U	0.041	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.014	U	0.014	0.05	0.1	ug/L
120-12-7	Anthracene	0.011	U	0.011	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.022	U	0.022	0.05	0.1	ug/L
129-00-0	Pyrene	0.016	U	0.016	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.015	U	0.015	0.05	0.1	ug/L
218-01-9	Chrysene	0.014	U	0.014	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.004	U	0.004	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.019	U	0.019	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.012	U	0.012	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.023	U	0.023	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.026	U	0.026	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.025	U	0.025	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.592		15-120		74	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.353		30-130		88	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.288		30-130		72	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	14519	7.7				
1146-65-2	Naphthalene-d8	45364	10.481				
15067-26-2	Acenaphthene-d10	23328	14.332				

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	SBLK898	SDG No.:	BN051724
Lab Sample ID:	PB160898BL	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
BN031544.D	1	5/13/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160898

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	52246	17.079				
1719-03-5	Chrysene-d12	34450	21.261				
1520-96-3	Perylene-d12	28766	23.497				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	MDL-WATER-QT2-2024-03	SDG No.:	BN051724
Lab Sample ID:	P2409-01	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
BN031545.D	1	5/13/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160898

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.1	J	0.031	0	0.2	ug/L
91-20-3	Naphthalene	0.07	J	0.011	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.07	J	0.024	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.07	J	0.011	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.07	J	0.014	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.07	J	0.013	0.05	0.1	ug/L
86-73-7	Fluorene	0.07	J	0.022	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.06	J	0.041	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.07	J	0.014	0.05	0.1	ug/L
120-12-7	Anthracene	0.06	J	0.011	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.08	J	0.022	0.05	0.1	ug/L
129-00-0	Pyrene	0.08	J	0.016	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.06	J	0.015	0.05	0.1	ug/L
218-01-9	Chrysene	0.07	J	0.014	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.06	J	0.004	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.07	J	0.019	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	J	0.012	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.06	J	0.023	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.06	J	0.026	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.06	J	0.025	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.41		15-120		51	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.463		30-130		116	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.372		30-130		93	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	11093	7.7				
1146-65-2	Naphthalene-d8	34784	10.481				
15067-26-2	Acenaphthene-d10	17785	14.332				

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	MDL-WATER-QT2-2024-03	SDG No.:	BN051724
Lab Sample ID:	P2409-01	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
BN031545.D	1	5/13/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160898

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	39749	17.079				
1719-03-5	Chrysene-d12	26328	21.261				
1520-96-3	Perylene-d12	23532	23.491				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	MDL-SOIL-QT2-2024-03	SDG No.:	BN051724
Lab Sample ID:	P2409-03	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
BN031546.D	1	5/13/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.3	J	1.1	0	6.7	ug/Kg
91-20-3	Naphthalene	2.3	J	0.37	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	2.2	J	0.85	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	2.3	J	0.34	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	2.3	J	0.47	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	2.4	J	0.39	0.83	3.3	ug/Kg
86-73-7	Fluorene	2.3	J	0.68	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	2.1	J	1.4	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	2.2	J	0.51	0.83	3.3	ug/Kg
120-12-7	Anthracene	2.1	J	0.52	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	2.7	J	0.68	0.83	3.3	ug/Kg
129-00-0	Pyrene	2.6	J	0.52	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	2	J	0.42	0.83	3.3	ug/Kg
218-01-9	Chrysene	2.2	J	0.42	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	2	J	0.21	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	2.3	J	0.39	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	2	J	0.36	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2	J	0.86	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.9	J	0.89	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1.8	J	0.98	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.425		15-120		53	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.472		30-130		118	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.371		20-140		93	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	11547	7.7				
1146-65-2	Naphthalene-d8	35889	10.479				
15067-26-2	Acenaphthene-d10	18329	14.335				

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	MDL-SOIL-QT2-2024-03	SDG No.:	BN051724
Lab Sample ID:	P2409-03	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
BN031546.D	1	5/13/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	40825	17.078				
1719-03-5	Chrysene-d12	26627	21.263				
1520-96-3	Perylene-d12	23539	23.496				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	SBLK894	SDG No.:	BN051724
Lab Sample ID:	PB160894BL	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
BN031547.D	1	5/13/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	6.7	ug/Kg
91-20-3	Naphthalene	0.37	U	0.37	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	0.85	U	0.85	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	0.34	U	0.34	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	0.47	U	0.47	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	0.39	U	0.39	0.83	3.3	ug/Kg
86-73-7	Fluorene	0.68	U	0.68	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	1.4	U	1.4	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	0.51	U	0.51	0.83	3.3	ug/Kg
120-12-7	Anthracene	0.52	U	0.52	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	0.68	U	0.68	0.83	3.3	ug/Kg
129-00-0	Pyrene	0.52	U	0.52	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	0.42	U	0.42	0.83	3.3	ug/Kg
218-01-9	Chrysene	0.42	U	0.42	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.21	U	0.21	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.39	U	0.39	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	0.36	U	0.36	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.86	U	0.86	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.89	U	0.89	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.98	U	0.98	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.604		15-120		75	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.4		30-130		100	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.295		20-140		74	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	12809		7.696			
1146-65-2	Naphthalene-d8	39660		10.48			
15067-26-2	Acenaphthene-d10	20008		14.335			

Report of Analysis

Client:		Date Collected:	5/13/2024 12:00:00 AM
Project:		Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	SBLK894	SDG No.:	BN051724
Lab Sample ID:	PB160894BL	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
BN031547.D	1	5/13/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	44312	17.078				
1719-03-5	Chrysene-d12	25903	21.263				
1520-96-3	Perylene-d12	20554	23.493				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	E0Y32	SDG No.:	BN051724
Lab Sample ID:	P2321-01	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.9
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
BN031548.D	1	5/6/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160730

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.7	U	0.7	0	4.3	ug/Kg
91-20-3	Naphthalene	40	E	0.24	1.1	2.1	ug/Kg
90-12-0	1-Methylnaphthalene	8.6		0.54	1.1	2.1	ug/Kg
91-57-6	2-Methylnaphthalene	2.8		0.22	1.1	2.1	ug/Kg
208-96-8	Acenaphthylene	3.7		0.3	1.1	2.1	ug/Kg
83-32-9	Acenaphthene	20		0.25	1.1	2.1	ug/Kg
86-73-7	Fluorene	19		0.43	1.1	2.1	ug/Kg
87-86-5	Pentachlorophenol	0.89	U	0.89	2.1	4.3	ug/Kg
85-01-8	Phenanthrene	38	E	0.33	1.1	2.1	ug/Kg
120-12-7	Anthracene	8.1		0.33	1.1	2.1	ug/Kg
206-44-0	Fluoranthene	50	E	0.43	1.1	2.1	ug/Kg
129-00-0	Pyrene	41	E	0.33	1.1	2.1	ug/Kg
56-55-3	Benzo(a)anthracene	17		0.27	1.1	2.1	ug/Kg
218-01-9	Chrysene	16		0.27	1.1	2.1	ug/Kg
205-99-2	Benzo(b)fluoranthene	29		0.13	1.1	2.1	ug/Kg
207-08-9	Benzo(k)fluoranthene	11		0.25	1.1	2.1	ug/Kg
50-32-8	Benzo(a)pyrene	21		0.23	1.1	2.1	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	13		0.55	1.1	2.1	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	3.4		0.57	1.1	2.1	ug/Kg
191-24-2	Benzo(g,h,i)perylene	16		0.63	1.1	2.1	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.559		15-120		19	SPK: -8
93951-69-0	Fluoranthene-d10	0.1295		30-130		32	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.1025		20-140		26	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	13473	7.7				
1146-65-2	Naphthalene-d8	44371	10.481				
15067-26-2	Acenaphthene-d10	24496	14.332				

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	E0Y32	SDG No.:	BN051724
Lab Sample ID:	P2321-01	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.9
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
BN031548.D	1	5/6/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160730

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	58326	17.075				
1719-03-5	Chrysene-d12	44995	21.261				
1520-96-3	Perylene-d12	30124	23.494				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.7	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	E0Y32DL	SDG No.:	BN051724
Lab Sample ID:	P2321-01DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.9
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
BN031549.D	5	5/6/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160730

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.5	U	3.5	0	21	ug/Kg
91-20-3	Naphthalene	44	D	1.2	5.3	11	ug/Kg
90-12-0	1-Methylnaphthalene	9.8	JD	2.7	5.3	11	ug/Kg
91-57-6	2-Methylnaphthalene	3.2	JD	1.1	5.3	11	ug/Kg
208-96-8	Acenaphthylene	4.6	JD	1.5	5.3	11	ug/Kg
83-32-9	Acenaphthene	22	D	1.2	5.3	11	ug/Kg
86-73-7	Fluorene	21	D	2.2	5.3	11	ug/Kg
87-86-5	Pentachlorophenol	4.5	U	4.5	10.7	21	ug/Kg
85-01-8	Phenanthrene	42	D	1.6	5.3	11	ug/Kg
120-12-7	Anthracene	9.4	JD	1.7	5.3	11	ug/Kg
206-44-0	Fluoranthene	55	D	2.2	5.3	11	ug/Kg
129-00-0	Pyrene	49	D	1.7	5.3	11	ug/Kg
56-55-3	Benzo(a)anthracene	19	D	1.3	5.3	11	ug/Kg
218-01-9	Chrysene	19	D	1.3	5.3	11	ug/Kg
205-99-2	Benzo(b)fluoranthene	31	D	0.67	5.3	11	ug/Kg
207-08-9	Benzo(k)fluoranthene	12	D	1.2	5.3	11	ug/Kg
50-32-8	Benzo(a)pyrene	23	D	1.1	5.3	11	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	12	D	2.7	5.3	11	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	3.3	JD	2.8	5.3	11	ug/Kg
191-24-2	Benzo(g,h,i)perylene	15	D	3.1	5.3	11	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.7625		15-120		22	SPK: -8
93951-69-0	Fluoranthene-d10	0.145		30-130		36	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.1175		20-140		29	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	13561	7.7				
1146-65-2	Naphthalene-d8	45249	10.481				
15067-26-2	Acenaphthene-d10	24525	14.332				

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	E0Y32DL	SDG No.:	BN051724
Lab Sample ID:	P2321-01DL	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.9
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
BN031549.D	5	5/6/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160730

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	56085	17.075				
1719-03-5	Chrysene-d12	42565	21.261				
1520-96-3	Perylene-d12	31589	23.494				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	3.5	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	E0Y32MS	SDG No.:	BN051724
Lab Sample ID:	P2321-02MS	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.9
Sample Wt/Vol:	30.01 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
BN031550.D	1	5/6/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160730

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	20		0.7	0	4.3	ug/Kg
91-20-3	Naphthalene	49	E	0.24	1.1	2.1	ug/Kg
90-12-0	1-Methylnaphthalene	14		0.54	1.1	2.1	ug/Kg
91-57-6	2-Methylnaphthalene	8.3		0.22	1.1	2.1	ug/Kg
208-96-8	Acenaphthylene	11		0.3	1.1	2.1	ug/Kg
83-32-9	Acenaphthene	27		0.25	1.1	2.1	ug/Kg
86-73-7	Fluorene	25		0.44	1.1	2.1	ug/Kg
87-86-5	Pentachlorophenol	6.8		0.9	2.1	4.3	ug/Kg
85-01-8	Phenanthrene	58	E	0.33	1.1	2.1	ug/Kg
120-12-7	Anthracene	16		0.33	1.1	2.1	ug/Kg
206-44-0	Fluoranthene	93	E	0.44	1.1	2.1	ug/Kg
129-00-0	Pyrene	81	E	0.33	1.1	2.1	ug/Kg
56-55-3	Benzo(a)anthracene	41	E	0.27	1.1	2.1	ug/Kg
218-01-9	Chrysene	36	E	0.27	1.1	2.1	ug/Kg
205-99-2	Benzo(b)fluoranthene	54	E	0.13	1.1	2.1	ug/Kg
207-08-9	Benzo(k)fluoranthene	24		0.25	1.1	2.1	ug/Kg
50-32-8	Benzo(a)pyrene	40	E	0.23	1.1	2.1	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	25		0.55	1.1	2.1	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	9.9		0.57	1.1	2.1	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28		0.63	1.1	2.1	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.1785		15-120		22	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.151		30-130		38	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.1165		20-140		29	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	14459	7.696				
1146-65-2	Naphthalene-d8	48552	10.481				
15067-26-2	Acenaphthene-d10	27181	14.332				

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	E0Y32MS	SDG No.:	BN051724
Lab Sample ID:	P2321-02MS	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.9
Sample Wt/Vol:	30.01 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
BN031550.D	1	5/6/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160730

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	61467	17.075				
1719-03-5	Chrysene-d12	46213	21.261				
1520-96-3	Perylene-d12	37528	23.497				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.7	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	E0Y32MSD	SDG No.:	BN051724
Lab Sample ID:	P2321-03MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.9
Sample Wt/Vol:	30.03 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
BN031551.D	1	5/6/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160730

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	21		0.7	0	4.3	ug/Kg
91-20-3	Naphthalene	54	E	0.24	1.1	2.1	ug/Kg
90-12-0	1-Methylnaphthalene	16		0.54	1.1	2.1	ug/Kg
91-57-6	2-Methylnaphthalene	9.4		0.22	1.1	2.1	ug/Kg
208-96-8	Acenaphthylene	13		0.3	1.1	2.1	ug/Kg
83-32-9	Acenaphthene	30		0.25	1.1	2.1	ug/Kg
86-73-7	Fluorene	29		0.43	1.1	2.1	ug/Kg
87-86-5	Pentachlorophenol	7.9		0.9	2.1	4.3	ug/Kg
85-01-8	Phenanthrene	64	E	0.33	1.1	2.1	ug/Kg
120-12-7	Anthracene	19		0.33	1.1	2.1	ug/Kg
206-44-0	Fluoranthene	100	E	0.43	1.1	2.1	ug/Kg
129-00-0	Pyrene	90	E	0.33	1.1	2.1	ug/Kg
56-55-3	Benzo(a)anthracene	47	E	0.27	1.1	2.1	ug/Kg
218-01-9	Chrysene	40	E	0.27	1.1	2.1	ug/Kg
205-99-2	Benzo(b)fluoranthene	57	E	0.13	1.1	2.1	ug/Kg
207-08-9	Benzo(k)fluoranthene	28		0.25	1.1	2.1	ug/Kg
50-32-8	Benzo(a)pyrene	45	E	0.23	1.1	2.1	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	28		0.55	1.1	2.1	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	11		0.57	1.1	2.1	ug/Kg
191-24-2	Benzo(g,h,i)perylene	32		0.63	1.1	2.1	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.192		15-120		24	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.1705		30-130		43	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.1315		20-140		33	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	14499	7.7				
1146-65-2	Naphthalene-d8	49343	10.481				
15067-26-2	Acenaphthene-d10	28031	14.336				

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	E0Y32MSD	SDG No.:	BN051724
Lab Sample ID:	P2321-03MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOASIM	% Moisture:	21.9
Sample Wt/Vol:	30.03 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
BN031551.D	1	5/6/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160730

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	63282	17.079				
1719-03-5	Chrysene-d12	47649	21.261				
1520-96-3	Perylene-d12	40727	23.497				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.7	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/6/2024 12:00:00 AM
Project:		Date Received:	5/6/2024 12:00:00 AM
Client Sample ID:	SLCS730	SDG No.:	BN051724
Lab Sample ID:	PB160730BS	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
BN031552.D	1	5/6/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160730

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	26		0.55	0	3.4	ug/Kg
91-20-3	Naphthalene	5.3		0.19	0.83	1.7	ug/Kg
90-12-0	1-Methylnaphthalene	5.2		0.43	0.83	1.7	ug/Kg
91-57-6	2-Methylnaphthalene	5.4		0.17	0.83	1.7	ug/Kg
208-96-8	Acenaphthylene	5.1		0.24	0.83	1.7	ug/Kg
83-32-9	Acenaphthene	5.2		0.2	0.83	1.7	ug/Kg
86-73-7	Fluorene	5.1		0.34	0.83	1.7	ug/Kg
87-86-5	Pentachlorophenol	8.8		0.7	1.7	3.4	ug/Kg
85-01-8	Phenanthrene	5.2		0.26	0.83	1.7	ug/Kg
120-12-7	Anthracene	5.3		0.26	0.83	1.7	ug/Kg
206-44-0	Fluoranthene	6		0.34	0.83	1.7	ug/Kg
129-00-0	Pyrene	6		0.26	0.83	1.7	ug/Kg
56-55-3	Benzo(a)anthracene	5.6		0.21	0.83	1.7	ug/Kg
218-01-9	Chrysene	5.3		0.21	0.83	1.7	ug/Kg
205-99-2	Benzo(b)fluoranthene	5.9		0.11	0.83	1.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	5.4		0.2	0.83	1.7	ug/Kg
50-32-8	Benzo(a)pyrene	5.5		0.18	0.83	1.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4.9		0.43	0.83	1.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	4.9		0.45	0.83	1.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4.8		0.49	0.83	1.7	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.2855		15-120		36	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.18		30-130		45	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.158		20-140		40	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	13609	7.7				
1146-65-2	Naphthalene-d8	45713	10.481				
15067-26-2	Acenaphthene-d10	25342	14.332				

Report of Analysis

Client:		Date Collected:	5/6/2024 12:00:00 AM
Project:		Date Received:	5/6/2024 12:00:00 AM
Client Sample ID:	SLCS730	SDG No.:	BN051724
Lab Sample ID:	PB160730BS	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
BN031552.D	1	5/6/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160730

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	55618	17.075				
1719-03-5	Chrysene-d12	42530	21.261				
1520-96-3	Perylene-d12	34083	23.494				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.55	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/6/2024 12:00:00 AM
Project:		Date Received:	5/6/2024 12:00:00 AM
Client Sample ID:	SBLK730	SDG No.:	BN051724
Lab Sample ID:	PB160730BL	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
BN031553.D	1	5/6/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160730

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.55	U	0.55	0	3.4	ug/Kg
91-20-3	Naphthalene	0.19	U	0.19	0.83	1.7	ug/Kg
90-12-0	1-Methylnaphthalene	0.43	U	0.43	0.83	1.7	ug/Kg
91-57-6	2-Methylnaphthalene	0.17	U	0.17	0.83	1.7	ug/Kg
208-96-8	Acenaphthylene	0.24	U	0.24	0.83	1.7	ug/Kg
83-32-9	Acenaphthene	0.2	U	0.2	0.83	1.7	ug/Kg
86-73-7	Fluorene	0.34	U	0.34	0.83	1.7	ug/Kg
87-86-5	Pentachlorophenol	0.7	U	0.7	1.7	3.4	ug/Kg
85-01-8	Phenanthrene	0.26	U	0.26	0.83	1.7	ug/Kg
120-12-7	Anthracene	0.26	U	0.26	0.83	1.7	ug/Kg
206-44-0	Fluoranthene	0.34	U	0.34	0.83	1.7	ug/Kg
129-00-0	Pyrene	0.26	U	0.26	0.83	1.7	ug/Kg
56-55-3	Benzo(a)anthracene	0.21	U	0.21	0.83	1.7	ug/Kg
218-01-9	Chrysene	0.21	U	0.21	0.83	1.7	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.11	U	0.11	0.83	1.7	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.2	U	0.2	0.83	1.7	ug/Kg
50-32-8	Benzo(a)pyrene	0.18	U	0.18	0.83	1.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.43	U	0.43	0.83	1.7	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.45	U	0.45	0.83	1.7	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.49	U	0.49	0.83	1.7	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.119		15-120		26	SPK: -8
93951-69-0	Fluoranthene-d10	0.1475		30-130		37	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.1165		20-140		29	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	14927	7.7				
1146-65-2	Naphthalene-d8	50624	10.481				
15067-26-2	Acenaphthene-d10	27393	14.336				

Report of Analysis

Client:		Date Collected:	5/6/2024 12:00:00 AM
Project:		Date Received:	5/6/2024 12:00:00 AM
Client Sample ID:	SBLK730	SDG No.:	BN051724
Lab Sample ID:	PB160730BL	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
BN031553.D	1	5/6/2024 12:00:00 AM	5/16/2024 12:00:00 AM	PB160730

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	61867	17.075				
1719-03-5	Chrysene-d12	42689	21.261				
1520-96-3	Perylene-d12	31529	23.497				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.55	U			99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BN051724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : E0Y32								
P2321-01	E0Y32	Solid	Total Alkanes	*	0.000	0.7	4.3	ug/Kg
			Total Tics :			0.00		
P2321-01	E0Y32	Solid	1-Methylnaphthalene		8.600	0.54	2.1	ug/Kg
P2321-01	E0Y32	Solid	2-Methylnaphthalene		2.800	0.22	2.1	ug/Kg
P2321-01	E0Y32	Solid	Acenaphthene		20.000	0.25	2.1	ug/Kg
P2321-01	E0Y32	Solid	Acenaphthylene		3.700	0.3	2.1	ug/Kg
P2321-01	E0Y32	Solid	Anthracene		8.100	0.33	2.1	ug/Kg
P2321-01	E0Y32	Solid	Benzo(a)anthracene		17.000	0.27	2.1	ug/Kg
P2321-01	E0Y32	Solid	Benzo(a)pyrene		21.000	0.23	2.1	ug/Kg
P2321-01	E0Y32	Solid	Benzo(b)fluoranthene		29.000	0.13	2.1	ug/Kg
P2321-01	E0Y32	Solid	Benzo(g,h,i)perylene		16.000	0.63	2.1	ug/Kg
P2321-01	E0Y32	Solid	Benzo(k)fluoranthene		11.000	0.25	2.1	ug/Kg
P2321-01	E0Y32	Solid	Chrysene		16.000	0.27	2.1	ug/Kg
P2321-01	E0Y32	Solid	Dibenzo(a,h)anthracene		3.400	0.57	2.1	ug/Kg
P2321-01	E0Y32	Solid	Fluoranthene		50.000	E 0.43	2.1	ug/Kg
P2321-01	E0Y32	Solid	Fluorene		19.000	0.43	2.1	ug/Kg
P2321-01	E0Y32	Solid	Indeno(1,2,3-cd)pyrene		13.000	0.55	2.1	ug/Kg
P2321-01	E0Y32	Solid	Naphthalene		40.000	E 0.24	2.1	ug/Kg
P2321-01	E0Y32	Solid	Phenanthrene		38.000	E 0.33	2.1	ug/Kg
P2321-01	E0Y32	Solid	Pyrene		41.000	E 0.33	2.1	ug/Kg
			Total Svoc :			357.60		
			Total Concentration:			357.60		
Client ID : E0Y32DL								
P2321-01DL	E0Y32DL	Solid	Total Alkanes	*	0.000	D 3.5	21	ug/Kg
			Total Tics :			0.00		
P2321-01DL	E0Y32DL	Solid	1-Methylnaphthalene		9.800	JD 2.7	11	ug/Kg
P2321-01DL	E0Y32DL	Solid	2-Methylnaphthalene		3.200	JD 1.1	11	ug/Kg
P2321-01DL	E0Y32DL	Solid	Acenaphthene		22.000	D 1.2	11	ug/Kg
P2321-01DL	E0Y32DL	Solid	Acenaphthylene		4.600	JD 1.5	11	ug/Kg
P2321-01DL	E0Y32DL	Solid	Anthracene		9.400	JD 1.7	11	ug/Kg
P2321-01DL	E0Y32DL	Solid	Benzo(a)anthracene		19.000	D 1.3	11	ug/Kg
P2321-01DL	E0Y32DL	Solid	Benzo(a)pyrene		23.000	D 1.1	11	ug/Kg
P2321-01DL	E0Y32DL	Solid	Benzo(b)fluoranthene		31.000	D 0.67	11	ug/Kg
P2321-01DL	E0Y32DL	Solid	Benzo(g,h,i)perylene		15.000	D 3.1	11	ug/Kg
P2321-01DL	E0Y32DL	Solid	Benzo(k)fluoranthene		12.000	D 1.2	11	ug/Kg
P2321-01DL	E0Y32DL	Solid	Chrysene		19.000	D 1.3	11	ug/Kg
P2321-01DL	E0Y32DL	Solid	Dibenzo(a,h)anthracene		3.300	JD 2.8	11	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BN051724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2321-01DL	E0Y32DL	Solid	Fluoranthene	55.000	D	2.2	11	ug/Kg
P2321-01DL	E0Y32DL	Solid	Fluorene	21.000	D	2.2	11	ug/Kg
P2321-01DL	E0Y32DL	Solid	Indeno(1,2,3-cd)pyrene	12.000	D	2.7	11	ug/Kg
P2321-01DL	E0Y32DL	Solid	Naphthalene	44.000	D	1.2	11	ug/Kg
P2321-01DL	E0Y32DL	Solid	Phenanthrene	42.000	D	1.6	11	ug/Kg
P2321-01DL	E0Y32DL	Solid	Pyrene	49.000	D	1.7	11	ug/Kg
Total Svoc :				394.30				
Total Concentration:				394.30				

Client ID : MDL-WATER-QT2-2024-03

P2409-01	MDL-WATER-QT2-2024 Water	Total Alkanes	*	0.000	0.031	0.2	ug/L
Total Tics :				0.00			
P2409-01	MDL-WATER-QT2-2024 Water	1,4-Dioxane		0.100	J 0.031	0.2	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	1-Methylnaphthalene		0.070	J 0.024	0.1	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	2-Methylnaphthalene		0.070	J 0.011	0.1	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Acenaphthene		0.070	J 0.013	0.1	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Acenaphthylene		0.070	J 0.014	0.1	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Anthracene		0.060	J 0.011	0.1	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Benzo(a)anthracene		0.060	J 0.015	0.1	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Benzo(a)pyrene		0.060	J 0.012	0.1	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Benzo(b)fluoranthene		0.060	J 0.004	0.1	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Benzo(g,h,i)perylene		0.060	J 0.025	0.1	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Benzo(k)fluoranthene		0.070	J 0.019	0.1	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Chrysene		0.070	J 0.014	0.1	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Dibenzo(a,h)anthracene		0.060	J 0.026	0.1	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Fluoranthene		0.080	J 0.022	0.1	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Fluorene		0.070	J 0.022	0.1	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Indeno(1,2,3-cd)pyrene		0.060	J 0.023	0.1	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Naphthalene		0.070	J 0.011	0.1	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Pentachlorophenol		0.060	J 0.041	0.2	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Phenanthrene		0.070	J 0.014	0.1	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Pyrene		0.080	J 0.016	0.1	ug/L
Total Svoc :				1.37			
Total Concentration:				1.37			

Client ID : MDL-SOIL-QT2-2024-03

P2409-03	MDL-SOIL-QT2-2024-03 Solid	Total Alkanes	*	0.000	1.1	6.7	ug/Kg	
Total Tics :				0.00				
P2409-03	MDL-SOIL-QT2-2024-03 Solid	1,4-Dioxane		3.300	J	1.1	6.7	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-03 Solid	1-Methylnaphthalene		2.200	J	0.85	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-03 Solid	2-Methylnaphthalene		2.300	J	0.34	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-03 Solid	Acenaphthene		2.400	J	0.39	3.3	ug/Kg



SDG No.: BN051724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Acenaphthylene	2.300	J	0.47	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Anthracene	2.100	J	0.52	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Benzo(a)anthracene	2.000	J	0.42	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Benzo(a)pyrene	2.000	J	0.36	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Benzo(b)fluoranthene	2.000	J	0.21	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Benzo(g,h,i)perylene	1.800	J	0.98	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Benzo(k)fluoranthene	2.300	J	0.39	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Chrysene	2.200	J	0.42	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Dibenzo(a,h)anthracene	1.900	J	0.89	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Fluoranthene	2.700	J	0.68	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Fluorene	2.300	J	0.68	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Indeno(1,2,3-cd)pyrene	2.000	J	0.86	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Naphthalene	2.300	J	0.37	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Pentachlorophenol	2.100	J	1.4	6.7	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Phenanthrene	2.200	J	0.51	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Pyrene	2.600	J	0.52	3.3	ug/Kg
Total Svoc :				45.00				
Total Concentration:				45.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BN051624 SAS No.: BN051624 SDG No.: BN051624
Instrument ID: _____ Calibration Date(s): 5/15/2024 : _____
Calibration Time(s): 09:28 _____

LAB FILE ID:		RRFAL1 = BN031529.D			RRFAL2 = BN031530.D		RRFAL3 = BN031531.D	
		RRFAL4 = BN031532.D			RRFAL5 = BN031533.D		RRFAL6 = BN031534.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane		0.563	0.452	0.510	0.496	0.488	0.502	8.1
1,4-Dioxane-d8		0.529	0.451	0.490	0.473	0.466	0.482	6.2
Naphthalene	1.103	1.093	1.004	1.095	1.054		1.070	3.9
1-Methylnaphthalene	0.746	0.731	0.668	0.725	0.701		0.714	4.3
2-Methylnaphthalene	0.701	0.685	0.633	0.689	0.670		0.676	3.9
Acenaphthylene	1.815	1.827	1.691	1.880	1.868		1.816	4.1
Acenaphthene	1.397	1.402	1.285	1.426	1.401		1.382	4.0
Fluorene	1.519	1.534	1.416	1.603	1.596		1.534	4.9
Pentachlorophenol		0.055	0.056	0.064	0.067	0.071	0.062	11.0
Phenanthrene	1.193	1.178	1.078	1.214	1.189		1.171	4.6
Anthracene	0.959	0.974	0.905	1.051	1.054		0.989	6.5
Fluoranthene	1.359	1.576	1.398	1.600	1.503		1.487	7.2
Pyrene	1.399	1.578	1.374	1.554	1.455		1.472	6.2
Benzo(a)anthracene	1.559	1.345	1.207	1.415	1.397		1.384	9.2
Chrysene	1.571	1.551	1.365	1.520	1.468		1.495	5.5
Benzo(b)fluoranthene	1.416	1.421	1.308	1.599	1.619		1.473	9.0
Benzo(k)fluoranthene	1.501	1.561	1.445	1.742	1.723		1.594	8.3
Benzo(a)pyrene	1.382	1.234	1.122	1.333	1.381		1.290	8.6
Indeno(1,2,3-cd)pyrene	1.431	1.438	1.404	1.529	1.695		1.500	7.9
Dibenzo(a,h)anthracene	1.114	1.133	1.109	1.220	1.368		1.189	9.2
Benzo(g,h,i)perylene	1.077	1.192	1.149	1.230	1.380		1.206	9.4
Fluoranthene-d10	1.045	1.199	1.041	1.171	1.092		1.110	6.5
2-Methylnaphthalene-d10	0.596	0.582	0.529	0.572	0.554		0.567	4.6

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.: BN051724 SAS No.: BN051724 SDG NO.: BN051724

EPA Sample No.: SSTD0.4218 Date Analyzed: May 16 2024 12:00AM

Lab File ID: BN031531.D Time Analyzed: 10:33

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	11627	7.7	36377	10.48	19119	14.34
UPPER LIMIT	23254	8.2	72754	10.98	38238	14.835
LOWER LIMIT	5813.5	7.2	18188.5	9.98	9559.5	13.835
EPA SAMPLE NO.						
01 SBLK898	14519	7.70	45364	10.48	23328	14.33
02 MDL-WATER-QT2-2024-03	11093	7.70	34784	10.48	17785	14.33
03 MDL-SOIL-QT2-2024-03	11547	7.70	35889	10.48	18329	14.34
04 SBLK894	12809	7.70	39660	10.48	20008	14.34
05 E0Y32	13473	7.70	44371	10.48	24496	14.33
06 E0Y32DL	13561	7.70	45249	10.48	24525	14.33
07 E0Y32MS	14459	7.70	48552	10.48	27181	14.33
08 E0Y32MSD	14499	7.70	49343	10.48	28031	14.34
09 SLCS730	13609	7.70	45713	10.48	25342	14.33
10 SBLK730	14927	7.70	50624	10.48	27393	14.34

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.: BN051724 SAS No.: BN051724 SDG NO.: BN051724

EPA Sample No.: SSTD0.4375 Date Analyzed: May 16 2024 12:00AM

Lab File ID: BN031543.D Time Analyzed: 10:33

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	13696	7.7	42567	10.48	22038	14.33
UPPER LIMIT	27392	8.2	85134	10.981	44076	14.832
LOWER LIMIT	6848	7.2	21283.5	9.981	11019	13.832
EPA SAMPLE NO.						
01 SBLK898	14519	7.70	45364	10.48	23328	14.33
02 MDL-WATER-QT2-2024-03	11093	7.70	34784	10.48	17785	14.33
03 MDL-SOIL-QT2-2024-03	11547	7.70	35889	10.48	18329	14.34
04 SBLK894	12809	7.70	39660	10.48	20008	14.34
05 E0Y32	13473	7.70	44371	10.48	24496	14.33
06 E0Y32DL	13561	7.70	45249	10.48	24525	14.33
07 E0Y32MS	14459	7.70	48552	10.48	27181	14.33
08 E0Y32MSD	14499	7.70	49343	10.48	28031	14.34
09 SLCS730	13609	7.70	45713	10.48	25342	14.33
10 SBLK730	14927	7.70	50624	10.48	27393	14.34

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.: BN051724 SAS No.: BN051724 SDG NO.: BN051724

EPA Sample No.: SSTD0.4218 Date Analyzed: May 16 2024 12:00AM

Lab File ID: BN031531.D Time Analyzed: 10:33

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	42115	17.078	34832	21.266	31458	23.502
UPPER LIMIT	84230	17.578	69664	21.766	62916	24.002
LOWER LIMIT	21057.5	16.578	17416	20.766	15729	23.002
EPA SAMPLE NO.						
01 SBLK898	52246	17.08	34450	21.26	28766	23.50
02 MDL-WATER-QT2-2024-03	39749	17.08	26328	21.26	23532	23.49
03 MDL-SOIL-QT2-2024-03	40825	17.08	26627	21.26	23539	23.50
04 SBLK894	44312	17.08	25903	21.26	20554	23.49
05 E0Y32	58326	17.08	44995	21.26	30124	23.49
06 E0Y32DL	56085	17.08	42565	21.26	31589	23.49
07 E0Y32MS	61467	17.08	46213	21.26	37528	23.50
08 E0Y32MSD	63282	17.08	47649	21.26	40727	23.50
09 SLCS730	55618	17.08	42530	21.26	34083	23.49
10 SBLK730	61867	17.08	42689	21.26	31529	23.50

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.: BN051724 SAS No.: BN051724 SDG NO.: BN051724

EPA Sample No.: SSTD0.4375 Date Analyzed: May 16 2024 12:00AM

Lab File ID: BN031543.D Time Analyzed: 10:33

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	47480	17.079	36524	21.261	28672	23.494
UPPER LIMIT	94960	17.579	73048	21.761	57344	23.994
LOWER LIMIT	23740	16.579	18262	20.761	14336	22.994
EPA SAMPLE NO.						
01 SBLK898	52246	17.08	34450	21.26	28766	23.50
02 MDL-WATER-QT2-2024-03	39749	17.08	26328	21.26	23532	23.49
03 MDL-SOIL-QT2-2024-03	40825	17.08	26627	21.26	23539	23.50
04 SBLK894	44312	17.08	25903	21.26	20554	23.49
05 E0Y32	58326	17.08	44995	21.26	30124	23.49
06 E0Y32DL	56085	17.08	42565	21.26	31589	23.49
07 E0Y32MS	61467	17.08	46213	21.26	37528	23.50
08 E0Y32MSD	63282	17.08	47649	21.26	40727	23.50
09 SLCS730	55618	17.08	42530	21.26	34083	23.49
10 SBLK730	61867	17.08	42689	21.26	31529	23.50

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.: BN051724

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160730BS	1,4-Dioxane	33.3	26	ug/Kg	78				0	0		
	Naphthalene	6.7	5.3	ug/Kg	79				0	0		
	1-Methylnaphthalene	6.7	5.2	ug/Kg	78				0	0		
	2-Methylnaphthalene	6.7	5.4	ug/Kg	81				0	0		
	Acenaphthylene	6.7	5.1	ug/Kg	76				0	0		
	Acenaphthene	6.7	5.2	ug/Kg	78				0	0		
	Fluorene	6.7	5.1	ug/Kg	76				0	0		
	Pentachlorophenol	13.3	8.8	ug/Kg	66				0	0		
	Phenanthrene	6.7	5.2	ug/Kg	78				0	0		
	Anthracene	6.7	5.3	ug/Kg	79				0	0		
	Fluoranthene	6.7	6	ug/Kg	90				0	0		
	Pyrene	6.7	6	ug/Kg	90				0	0		
	Benzo(a)anthracene	6.7	5.6	ug/Kg	84				0	0		
	Chrysene	6.7	5.3	ug/Kg	79				0	0		
	Benzo(b)fluoranthene	6.7	5.9	ug/Kg	88				0	0		
	Benzo(k)fluoranthene	6.7	5.4	ug/Kg	81				0	0		
	Benzo(a)pyrene	6.7	5.5	ug/Kg	82				0	0		
	Indeno(1,2,3-cd)pyrene	6.7	4.9	ug/Kg	73				0	0		
	Dibenzo(a,h)anthracene	6.7	4.9	ug/Kg	73				0	0		
	Benzo(g,h,i)perylene	6.7	4.8	ug/Kg	72				0	0		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK730

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN051724

SAS No.: BN051724 SDG NO.: BN051724

Lab File ID: BN031553.D

Lab Sample ID: PB160730BL

Instrument ID: BNA_N

Date Extracted: 05/06/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/16/2024

Level: (low/med) LOW

Time Analyzed: 16:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E0Y32	P2321-01	BN031548.D	05/16/2024
E0Y32MS	P2321-02MS	BN031550.D	05/16/2024
E0Y32MSD	P2321-03MSD	BN031551.D	05/16/2024
PB160730BS	PB160730BS	BN031552.D	05/16/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK894

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN051724

SAS No.: BN051724 SDG NO.: BN051724

Lab File ID: BN031547.D

Lab Sample ID: PB160894BL

Instrument ID: BNA_N

Date Extracted: 05/13/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/16/2024

Level: (low/med) LOW

Time Analyzed: 13:06

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MDL-SOIL-QT2-2024-03	P2409-03	BN031546.D	05/16/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK898

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN051724

SAS No.: BN051724 SDG NO.: BN051724

Lab File ID: BN031544.D

Lab Sample ID: PB160898BL

Instrument ID: BNA_N

Date Extracted: 05/13/2024

Matrix: (soil/water) Water

Date Analyzed: 05/16/2024

Level: (low/med) LOW

Time Analyzed: 10:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MDL-WATER-QT2-2024-03	P2409-01	BN031545.D	05/16/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BN051724

Client: _____

Analytical Method: SFAM_SVOASIM

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2321-02MS	Client Sample ID:	E0Y32MS					DataFile:	BN031550.D		
1,4-Dioxane	42.7		20	ug/Kg	47				15	120	
Naphthalene	8.5	40	49	ug/Kg	106				0	0	
1-Methylnaphthalene	8.5	8.6	14	ug/Kg	64				0	0	
2-Methylnaphthalene	8.5	2.8	8.3	ug/Kg	65				0	0	
Acenaphthylene	8.5	3.7	11	ug/Kg	86				0	0	
Acenaphthene	8.5	20	27	ug/Kg	82				31	137	
Fluorene	8.5	19	25	ug/Kg	71				0	0	
Pentachlorophenol	17.1		6.8	ug/Kg	40				17	109	
Phenanthrene	8.5	38	58	ug/Kg	235				0	0	
Anthracene	8.5	8.1	16	ug/Kg	93				0	0	
Fluoranthene	8.5	50	93	ug/Kg	506				0	0	
Pyrene	8.5	41	81	ug/Kg	471	*			35	142	
Benzo(a)anthracene	8.5	17	41	ug/Kg	282				0	0	
Chrysene	8.5	16	36	ug/Kg	235				0	0	
Benzo(b)fluoranthene	8.5	29	54	ug/Kg	294				0	0	
Benzo(k)fluoranthene	8.5	11	24	ug/Kg	153				0	0	
Benzo(a)pyrene	8.5	21	40	ug/Kg	224				0	0	
Indeno(1,2,3-cd)pyrene	8.5	13	25	ug/Kg	141				0	0	
Dibenzo(a,h)anthracene	8.5	3.4	9.9	ug/Kg	76				0	0	
Benzo(g,h,i)perylene	8.5	16	28	ug/Kg	141				0	0	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BN051724

Client: _____

Analytical Method: SFAM_SVOASIM

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2321-03MSD	Client Sample ID:	E0Y32MSD					DataFile:	BN031551.D		
1,4-Dioxane	42.6		21	ug/Kg	49		4		15	120	50
Naphthalene	8.5	40	54	ug/Kg	165		44	*	0	0	0
1-Methylnaphthalene	8.5	8.6	16	ug/Kg	87		30	*	0	0	0
2-Methylnaphthalene	8.5	2.8	9.4	ug/Kg	78		18	*	0	0	0
Acenaphthylene	8.5	3.7	13	ug/Kg	109		24	*	0	0	0
Acenaphthene	8.5	20	30	ug/Kg	118		36	*	31	137	19
Fluorene	8.5	19	29	ug/Kg	118		50	*	0	0	0
Pentachlorophenol	17.1		7.9	ug/Kg	46		14		17	109	47
Phenanthrene	8.5	38	64	ug/Kg	306		26	*	0	0	0
Anthracene	8.5	8.1	19	ug/Kg	128		32	*	0	0	0
Fluoranthene	8.5	50	100	ug/Kg	588		15	*	0	0	0
Pyrene	8.5	41	90	ug/Kg	576	*	20		35	142	36
Benzo(a)anthracene	8.5	17	47	ug/Kg	353		22	*	0	0	0
Chrysene	8.5	16	40	ug/Kg	282		18	*	0	0	0
Benzo(b)fluoranthene	8.5	29	57	ug/Kg	329		11	*	0	0	0
Benzo(k)fluoranthene	8.5	11	28	ug/Kg	200		27	*	0	0	0
Benzo(a)pyrene	8.5	21	45	ug/Kg	282		23	*	0	0	0
Indeno(1,2,3-cd)pyrene	8.5	13	28	ug/Kg	176		22	*	0	0	0
Dibenzo(a,h)anthracene	8.5	3.4	11	ug/Kg	89		16	*	0	0	0
Benzo(g,h,i)perylene	8.5	16	32	ug/Kg	188		29	*	0	0	0



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

Surrogate Summary

SW-846

SDG No.: BN051724

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
P2321-01	E0Y32	BN031548.D	1,4-Dioxane-d8	8	1.56	19		15	120
			Fluoranthene-d10	0.4	0.13	32		30	130
			2-Methylnaphthalene-d10	0.4	0.10	26		20	140
P2321-01DL	E0Y32DL	BN031549.D	1,4-Dioxane-d8	8	1.76	22		15	120
			Fluoranthene-d10	0.4	0.15	36		30	130
			2-Methylnaphthalene-d10	0.4	0.12	29		20	140
P2321-02MS	E0Y32MS	BN031550.D	1,4-Dioxane-d8	0.8	0.18	22		15	120
			Fluoranthene-d10	0.4	0.15	38		30	130
			2-Methylnaphthalene-d10	0.4	0.12	29		20	140
P2321-03MSD	E0Y32MSD	BN031551.D	1,4-Dioxane-d8	0.8	0.19	24		15	120
			Fluoranthene-d10	0.4	0.17	43		30	130
			2-Methylnaphthalene-d10	0.4	0.13	33		20	140
PB160730BL	PB160730BL	BN031553.D	1,4-Dioxane-d8	8	2.12	26		15	120
			Fluoranthene-d10	0.4	0.15	37		30	130
			2-Methylnaphthalene-d10	0.4	0.12	29		20	140
PB160730BS	PB160730BS	BN031552.D	1,4-Dioxane-d8	0.8	0.29	36		15	120
			Fluoranthene-d10	0.4	0.18	45		30	130
			2-Methylnaphthalene-d10	0.4	0.16	40		20	140



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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BN051724

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
P2409-03	MDL-SOIL-QT2-2(BN031546.D		1,4-Dioxane-d8	0.8	0.43	53		15	120
			Fluoranthene-d10	0.4	0.47	118		30	130
			2-Methylnaphthalene-d10	0.4	0.37	93		20	140
PB160894BL	PB160894BL	BN031547.D	1,4-Dioxane-d8	0.8	0.60	75		15	120
			Fluoranthene-d10	0.4	0.40	100		30	130
			2-Methylnaphthalene-d10	0.4	0.30	74		20	140



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Surrogate Summary

SW-846

SDG No.: BN051724

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
P2409-01	MDL-WATER-QT2BN031545.D		1,4-Dioxane-d8	0.8	0.41	51		15	120
			Fluoranthene-d10	0.4	0.46	116		30	130
			2-Methylnaphthalene-d10	0.4	0.37	93		30	130
PB160898BL	PB160898BL	BN031544.D	1,4-Dioxane-d8	0.8	0.59	74		15	120
			Fluoranthene-d10	0.4	0.35	88		30	130
			2-Methylnaphthalene-d10	0.4	0.29	72		30	130

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN051724

Lab Code: CHEM

SAS No.: BN051724 SDG NO.: BN051724

Lab File ID: BN031542.D

DFTPP Injection Date: 05/16/2024

Instrument ID: BNA_N

DFTPP Injection Time: 09:18

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.7
68	Less than 2.0% of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	39.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48.2
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	25.1
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	9.2
442	Greater than 50% of mass 198	59.8
443	15.0 - 24.0% of mass 442	12 (20.1) 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
SSTD0.4375	SSTDCCC0.4	BN031543.D	05/16/2024	09:57
SBLK898	PB160898BL	BN031544.D	05/16/2024	10:33
MDL-WATER-QT2-2024-03	P2409-01	BN031545.D	05/16/2024	11:48
MDL-SOIL-QT2-2024-03	P2409-03	BN031546.D	05/16/2024	12:24
SBLK894	PB160894BL	BN031547.D	05/16/2024	13:06
E0Y32	P2321-01	BN031548.D	05/16/2024	13:42
E0Y32DL	P2321-01DL	BN031549.D	05/16/2024	14:18
E0Y32MS	P2321-02MS	BN031550.D	05/16/2024	15:03
E0Y32MSD	P2321-03MSD	BN031551.D	05/16/2024	15:39
SLCS730	PB160730BS	BN031552.D	05/16/2024	16:15
SBLK730	PB160730BL	BN031553.D	05/16/2024	16:52
SSTD0.4376	SSTDCCC0.4EC	BN031554.D	05/16/2024	17:28