

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BN051624 SAS No.: BN051624 SDG No.: BN051624
 Instrument ID: BNA_N Calibration Date/Time: 5/15/2024 17:39
 Lab File ID: BN031541.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTD0.4374 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	0.530	0.010	5.5342	50.0
1,4-Dioxane-d8	0.482	0.564	0.010	17.1188	50.0
Naphthalene	1.070	1.017	0.600	-4.9521	50.0
1-Methylnaphthalene	0.714	1.156	0.300	61.8381	50.0
2-Methylnaphthalene	0.676	0.945	0.300	39.8316	50.0
Acenaphthylene	1.816	1.719	0.900	-5.3411	50.0
Acenaphthene	1.382	1.431	0.500	3.5104	50.0
Fluorene	1.534	3.700	0.700	141.248	50.0
Pentachlorophenol	0.062	0.092	0.010	46.9446	50.0
Phenanthrene	1.171	1.197	0.300	2.2096	50.0
Anthracene	0.989	1.208	0.400	22.136	50.0
Fluoranthene	1.487	1.403	0.400	-5.6374	50.0
Pyrene	1.472	1.511	0.500	2.6488	50.0
Benzo (a) anthracene	1.384	1.679	0.400	21.2609	50.0
Chrysene	1.495	1.555	0.400	3.9933	50.0
Benzo (b) fluoranthene	1.473	1.394	0.200	-5.3285	50.0
Benzo (k) fluoranthene	1.594	1.395	0.200	-12.5141	50.0
Benzo (a) pyrene	1.290	1.375	0.200	6.5411	50.0
Indeno (1,2,3-cd) pyrene	1.500	1.866	0.200	24.4417	50.0
Dibenzo (a,h) anthracene	1.189	1.479	0.200	24.3947	50.0
Benzo (g,h,i) perylene	1.206	1.523	0.200	26.3276	50.0
Fluoranthene-d10	1.110	0.018	0.400	-98.3736	50.0
2-Methylnaphthalene-d10	0.567	0.447	0.300	-21.1051	50.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN051624 SAS No.: BN051624 SDG No.: BN051624

Instrument ID: BNA_N Calibration Date/Time: 5/15/2024 1:13:06

Lab File ID: BN031535.D Init. Calib. Date(s): _____

EPA Sample No.: SICV222 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.502	0.527	0.010	4.9278	40.0
1,4-Dioxane-d8	0.482	0.497	0.010	3.1068	40.0
Naphthalene	1.070	1.096	0.600	2.4652	30.0
1-Methylnaphthalene	0.714	0.649	0.300	-9.0812	30.0
2-Methylnaphthalene	0.676	0.696	0.300	3.0329	30.0
Acenaphthylene	1.816	1.842	0.900	1.3834	30.0
Acenaphthene	1.382	1.368	0.500	-1.0122	30.0
Fluorene	1.534	1.557	0.700	1.5379	30.0
Pentachlorophenol	0.062	0.054	0.010	-13.4884	50.0
Phenanthrene	1.171	1.169	0.300	-0.1367	30.0
Anthracene	0.989	1.030	0.400	4.1606	30.0
Fluoranthene	1.487	1.525	0.400	2.5563	30.0
Pyrene	1.472	1.606	0.500	9.1247	30.0
Benzo (a) anthracene	1.384	1.267	0.400	-8.5133	30.0
Chrysene	1.495	1.514	0.400	1.2458	30.0
Benzo (b) fluoranthene	1.473	1.443	0.200	-1.9904	30.0
Benzo (k) fluoranthene	1.594	1.546	0.200	-3.066	30.0
Benzo (a) pyrene	1.290	1.331	0.200	3.1129	30.0
Indeno (1,2,3-cd) pyrene	1.500	1.467	0.200	-2.1705	30.0
Dibenzo (a,h) anthracene	1.189	1.146	0.200	-3.6286	30.0
Benzo (g,h,i) perylene	1.206	1.145	0.200	-5.0444	30.0
Fluoranthene-d10	1.110	1.124	0.400	1.3204	30.0
2-Methylnaphthalene-d10	0.567	0.550	0.300	-2.8716	30.0

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.:	BN051624
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
BN031536.D	1	5/13/2024 12:00:00 AM	5/15/2024 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	0.681		15-120		85	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.184		30-130		46	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.334		30-130		83	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7401	7.7				
1146-65-2	Naphthalene-d8	21848	10.481				
15067-26-2	Acenaphthene-d10	12955	14.336				

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.:	BN051624
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
BN031536.D	1	5/13/2024 12:00:00 AM	5/15/2024 12:00:00 AM	PB160898

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	45904	17.079				
1719-03-5	Chrysene-d12	37270	21.264				
1520-96-3	Perylene-d12	36500	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-SOIL-QT2-2024-03	SDG No.:	BN051624
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
BN031537.D	1	5/13/2024 12:00:00 AM	5/15/2024 12:00:00 AM	PB160894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	3.2	J	1.1	0	6.7	ug/Kg
91-20-3	Naphthalene	2.4	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	2.4	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	2.4	J	0.68	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	1.8	J	1.4	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	2.3	J	0.51	0.83	3.3	ug/Kg
120-12-7	Anthracene	2.2	J	0.52	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	2.6	J	0.68	0.83	3.3	ug/Kg
129-00-0	Pyrene	2.5	J	0.52	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	2.1	J	0.42	0.83	3.3	ug/Kg
218-01-9	Chrysene	2.3	J	0.42	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	2.3	J	0.21	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	2.1	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	2.1	J	0.86	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2.1	J	0.89	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2.3	J	0.98	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.42		15-120		52	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.439		30-130		110	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.376		20-140		94	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7513	7.7				
1146-65-2	Naphthalene-d8	22714	10.481				
15067-26-2	Acenaphthene-d10	11354	14.336				

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.:	BN051624
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
BN031537.D	1	5/13/2024 12:00:00 AM	5/15/2024 12:00:00 AM	PB160894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	25520	17.079				
1719-03-5	Chrysene-d12	18753	21.264				
1520-96-3	Perylene-d12	17555	23.497				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

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.:	BN051624
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
BN031538.D	1	5/13/2024 12:00:00 AM	5/15/2024 12:00:00 AM	PB160898

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.09	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	0.08	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	0.07	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	0.07	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	0.07	J	0.023	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.07	J	0.026	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.07	J	0.025	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.438		15-120		55	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.439		30-130		110	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.374		30-130		94	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7322	7.7				
1146-65-2	Naphthalene-d8	22173	10.481				
15067-26-2	Acenaphthene-d10	10966	14.336				

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.:	BN051624
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
BN031538.D	1	5/13/2024 12:00:00 AM	5/15/2024 12:00:00 AM	PB160898

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	24605	17.079				
1719-03-5	Chrysene-d12	18291	21.261				
1520-96-3	Perylene-d12	18026	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-SOIL-QT2-2024-03	SDG No.:	BN051624
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
BN031539.D	1	5/13/2024 12:00:00 AM	5/15/2024 12:00:00 AM	PB160894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.8	J	1.1	0	6.7	ug/Kg
91-20-3	Naphthalene	2.2	J	0.37	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	2	J	0.85	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	2.1	J	0.34	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	2.2	J	0.47	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	2.2	J	0.39	0.83	3.3	ug/Kg
86-73-7	Fluorene	2.2	J	0.68	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	2.3	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	J	0.52	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	2.3	J	0.68	0.83	3.3	ug/Kg
129-00-0	Pyrene	2.2	J	0.52	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	1.9	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	1.9	J	0.21	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	1.9	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	2.1	J	0.86	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2	J	0.89	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2	J	0.98	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.394		15-120		49	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.397		30-130		99	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.343		20-140		86	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7589	7.7				
1146-65-2	Naphthalene-d8	22740	10.481				
15067-26-2	Acenaphthene-d10	11332	14.336				

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.:	BN051624
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
BN031539.D	1	5/13/2024 12:00:00 AM	5/15/2024 12:00:00 AM	PB160894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	25251	17.079				
1719-03-5	Chrysene-d12	19098	21.264				
1520-96-3	Perylene-d12	19792	23.494				
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.:	BN051624
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
BN031540.D	1	5/13/2024 12:00:00 AM	5/15/2024 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	0.622		15-120		78	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.33		30-130		83	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.289		20-140		72	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6584	7.7				
1146-65-2	Naphthalene-d8	19707	10.48				
15067-26-2	Acenaphthene-d10	9808	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.:	BN051624
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
BN031540.D	1	5/13/2024 12:00:00 AM	5/15/2024 12:00:00 AM	PB160894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	22436	17.078				
1719-03-5	Chrysene-d12	16802	21.263				
1520-96-3	Perylene-d12	16815	23.496				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BN051624

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
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		0.090 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		0.070 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		0.070 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		0.070 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		0.070 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		0.080 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		0.070 J	0.016	0.1	ug/L
		Total Svoc :			1.41		
		Total Concentration:			1.41		
Client ID : MDL-SOIL-QT2-2024-03							
P2409-03	MDL-SOIL-QT2-2024-0: Solid	Total Alkanes	*	0.000	1.1	6.7	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0: Solid	Total Alkanes	*	0.000	1.1	6.7	ug/Kg
		Total Tics :			0.00		
P2409-03	MDL-SOIL-QT2-2024-0: Solid	1,4-Dioxane		3.200 J	1.1	6.7	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0: Solid	1-Methylnaphthalene		2.200 J	0.85	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0: Solid	2-Methylnaphthalene		2.300 J	0.34	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0: Solid	Acenaphthene		2.400 J	0.39	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0: Solid	Acenaphthylene		2.400 J	0.47	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0: Solid	Anthracene		2.200 J	0.52	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0: Solid	Benzo(a)anthracene		2.100 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		2.300 J	0.21	3.3	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BN051624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Benzo(g,h,i)perylene	2.300	J	0.98	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Benzo(k)fluoranthene	2.100	J	0.39	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Chrysene	2.300	J	0.42	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Dibenzo(a,h)anthracene	2.100	J	0.89	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Fluoranthene	2.600	J	0.68	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Fluorene	2.400	J	0.68	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Indeno(1,2,3-cd)pyrene	2.100	J	0.86	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Naphthalene	2.400	J	0.37	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Pentachlorophenol	1.800	J	1.4	6.7	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Phenanthrene	2.300	J	0.51	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Pyrene	2.500	J	0.52	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	1,4-Dioxane	2.800	J	1.1	6.7	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	1-Methylnaphthalene	2.000	J	0.85	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	2-Methylnaphthalene	2.100	J	0.34	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Acenaphthene	2.200	J	0.39	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Acenaphthylene	2.200	J	0.47	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Anthracene	2.000	J	0.52	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Benzo(a)anthracene	1.900	J	0.42	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Benzo(a)pyrene	2.000	J	0.36	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Benzo(b)fluoranthene	1.900	J	0.21	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Benzo(g,h,i)perylene	2.000	J	0.98	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Benzo(k)fluoranthene	1.900	J	0.39	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Chrysene	2.200	J	0.42	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Dibenzo(a,h)anthracene	2.000	J	0.89	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Fluoranthene	2.300	J	0.68	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Fluorene	2.200	J	0.68	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Indeno(1,2,3-cd)pyrene	2.100	J	0.86	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Naphthalene	2.200	J	0.37	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Pentachlorophenol	2.300	J	1.4	6.7	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Phenanthrene	2.200	J	0.51	3.3	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-01	Solid	Pyrene	2.200	J	0.52	3.3	ug/Kg

Total Svoc :

88.70

Total Concentration:

88.70



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.: BN051624 SAS No.: BN051624 SDG NO.: BN051624

EPA Sample No.: SSTD0.4218 Date Analyzed: May 15 2024 12:00AM

Lab File ID: BN031531.D Time Analyzed: 13:06

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 SICV222	10751	7.70	33261	10.48	17061	14.34
02 SBLK898	7401	7.70	21848	10.48	12955	14.34
03 MDL-SOIL-QT2-2024-03	7513	7.70	22714	10.48	11354	14.34
04 MDL-WATER-QT2-2024-03	7322	7.70	22173	10.48	10966	14.34
05 MDL-SOIL-QT2-2024-03	7589	7.70	22740	10.48	11332	14.34
06 SBLK894	6584	7.70	19707	10.48	9808	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.



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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN051624 SAS No.: BN051624 SDG NO.: BN051624

EPA Sample No.: _____ Date Analyzed: _____

Lab File ID: _____ Time Analyzed: _____

Instrument ID: _____ GC Column: _____ ID: _____ (mm)

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD						
UPPER LIMIT						
LOWER LIMIT						
EPA SAMPLE NO.						

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.: BN051624 SAS No.: BN051624 SDG NO.: BN051624

EPA Sample No.: SSTD0.4218 Date Analyzed: May 15 2024 12:00AM

Lab File ID: BN031531.D Time Analyzed: 13:06

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 SICV222	37560	17.08	30638	21.26	27352	23.50
02 SBLK898	45904	17.08	37270	21.26	36500	23.50
03 MDL-SOIL-QT2-2024-03	25520	17.08	18753	21.26	17555	23.50
04 MDL-WATER-QT2-2024-03	24605	17.08	18291	21.26	18026	23.50
05 MDL-SOIL-QT2-2024-03	25251	17.08	19098	21.26	19792	23.49
06 SBLK894	22436	17.08	16802 *	21.26	16815	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.: BN051624 SAS No.: BN051624 SDG NO.: BN051624

EPA Sample No.: _____ Date Analyzed: _____

Lab File ID: _____ Time Analyzed: _____

Instrument ID: _____ GC Column: _____ ID: _____ (mm)

	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
12 HOUR STD						
UPPER LIMIT						
LOWER LIMIT						
EPA SAMPLE NO.						

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.: BN051624

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK894

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN051624

SAS No.: BN051624 SDG NO.: BN051624

Lab File ID: BN031540.D

Lab Sample ID: PB160894BL

Instrument ID: BNA_N

Date Extracted: 05/13/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/15/2024

Level: (low/med) LOW

Time Analyzed: 17:03

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	BN031537.D	05/15/2024
MDL-SOIL-QT2-2024-03	P2409-03	BN031539.D	05/15/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK898

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN051624

SAS No.: BN051624 SDG NO.: BN051624

Lab File ID: BN031536.D

Lab Sample ID: PB160898BL

Instrument ID: BNA_N

Date Extracted: 05/13/2024

Matrix: (soil/water) Water

Date Analyzed: 05/15/2024

Level: (low/med) LOW

Time Analyzed: 14:37

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	BN031538.D	05/15/2024

COMMENTS: _____



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

Surrogate Summary

SW-846

SDG No.: BN051624

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2409-03	MDL-SOIL-QT2-2	BN031537.D	1,4-Dioxane-d8	0.8	0.42	52		15	120
		BN031539.D	1,4-Dioxane-d8	0.8	0.39	49		15	120
			Fluoranthene-d10	0.4	0.40	99		30	130
		BN031537.D	Fluoranthene-d10	0.4	0.44	110		30	130
			2-Methylnaphthalene-d10	0.4	0.38	94		20	140
		BN031539.D	2-Methylnaphthalene-d10	0.4	0.34	86		20	140
PB160894BL	PB160894BL	BN031540.D	1,4-Dioxane-d8	0.8	0.62	78		15	120
			Fluoranthene-d10	0.4	0.33	83		30	130
			2-Methylnaphthalene-d10	0.4	0.29	72		20	140



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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BN051624

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-QT2BN031538.D		1,4-Dioxane-d8	0.8	0.44	55		15	120
			Fluoranthene-d10	0.4	0.44	110		30	130
			2-Methylnaphthalene-d10	0.4	0.37	94		30	130
PB160898BL	PB160898BL	BN031536.D	1,4-Dioxane-d8	0.8	0.68	85		15	120
			Fluoranthene-d10	0.4	0.18	46		30	130
			2-Methylnaphthalene-d10	0.4	0.33	83		30	130

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN051624

Lab Code: CHEM

SAS No.: BN051624

SDG NO.: BN051624

Lab File ID: BN031528.D

DFTPP Injection Date: 05/15/2024

Instrument ID: BNA_N

DFTPP Injection Time: 08:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.4
68	Less than 2.0% of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	40.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.2
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	25.4
365	Greater than 1% of mass 198	2.7
441	Present, but less than mass 443	9.1
442	Greater than 50% of mass 198	58.5
443	15.0 - 24.0% of mass 442	11.4 (19.5) 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
SSTD0.1216	SSTD0.186	BN031529.D	05/15/2024	09:28
SSTD0.2217	SSTD0.287	BN031530.D	05/15/2024	10:04
SSTD0.4218	SSTD0.488	BN031531.D	05/15/2024	10:40
SSTD0.8219	SSTD0.889	BN031532.D	05/15/2024	11:17
SSTD1.6220	SSTD1.690	BN031533.D	05/15/2024	11:53
SSTD3.2221	SSTD3.291	BN031534.D	05/15/2024	12:30
SICV222	SSTDICV0.4	BN031535.D	05/15/2024	13:06
SBLK898	PB160898BL	BN031536.D	05/15/2024	14:37
MDL-SOIL-QT2-2024-03	P2409-03	BN031537.D	05/15/2024	15:14
MDL-WATER-QT2-2024-03	P2409-01	BN031538.D	05/15/2024	15:50
MDL-SOIL-QT2-2024-03	P2409-03	BN031539.D	05/15/2024	16:27
SBLK894	PB160894BL	BN031540.D	05/15/2024	17:03
SSTD0.4374	SSTDCCC0.4EC	BN031541.D	05/15/2024	17:39