

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM120324 SAS No.: BM120324 SDG No.: BM120324

Instrument ID: BNA_M Calibration Date/Time: 12/3/2024 1:09:27

Lab File ID: BM048817.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4093 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.605	0.681	0.010	12.6211	40.0
1,4-Dioxane-d8	0.511	0.532	0.010	4.17	40.0
Naphthalene	1.011	1.023	0.600	1.1982	30.0
1-Methylnaphthalene	0.618	0.620	0.300	0.2698	30.0
2-Methylnaphthalene	0.584	0.600	0.300	2.6947	30.0
Acenaphthylene	1.753	1.786	0.900	1.8759	30.0
Acenaphthene	1.266	1.301	0.500	2.8187	30.0
Fluorene	1.310	1.377	0.700	5.1359	30.0
Pentachlorophenol	0.035	0.037	0.010	6.7467	50.0
Phenanthrene	1.014	1.010	0.300	-0.3984	30.0
Anthracene	0.904	0.910	0.400	0.7293	30.0
Fluoranthene	1.839	1.774	0.400	-3.5369	30.0
Pyrene	1.914	1.824	0.500	-4.725	30.0
Benzo (a) anthracene	1.129	1.192	0.400	5.5289	30.0
Chrysene	1.787	1.809	0.400	1.2506	30.0
Benzo (b) fluoranthene	1.124	1.134	0.200	0.8378	30.0
Benzo (k) fluoranthene	1.575	1.625	0.200	3.1511	30.0
Benzo (a) pyrene	1.152	1.203	0.200	4.476	30.0
Indeno (1,2,3-cd) pyrene	1.522	1.576	0.200	3.4923	30.0
Dibenzo (a,h) anthracene	1.138	1.180	0.200	3.7058	30.0
Benzo (g,h,i) perylene	1.320	1.391	0.200	5.364	30.0
Fluoranthene-d10	1.235	1.244	0.400	0.7593	30.0
2-Methylnaphthalene-d10	0.481	0.479	0.300	-0.5107	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.: BM120324 SAS No.: BM120324 SDG No.: BM120324

Instrument ID: BNA_M Calibration Date/Time: 12/3/2024 1:17:03

Lab File ID: BM048822.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4094 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.605	0.579	0.010	-4.2107	50.0
1,4-Dioxane-d8	0.511	0.496	0.010	-2.9741	50.0
Naphthalene	1.011	1.037	0.600	2.5855	50.0
1-Methylnaphthalene	0.618	0.636	0.300	2.8351	50.0
2-Methylnaphthalene	0.584	0.607	0.300	3.8524	50.0
Acenaphthylene	1.753	1.741	0.900	-0.6838	50.0
Acenaphthene	1.266	1.296	0.500	2.4103	50.0
Fluorene	1.310	1.365	0.700	4.2216	50.0
Pentachlorophenol	0.035	0.029	0.010	-16.147	50.0
Phenanthrene	1.014	1.024	0.300	0.9841	50.0
Anthracene	0.904	0.877	0.400	-2.9584	50.0
Fluoranthene	1.839	1.963	0.400	6.7186	50.0
Pyrene	1.914	1.983	0.500	3.5685	50.0
Benzo (a) anthracene	1.129	1.132	0.400	0.1875	50.0
Chrysene	1.787	1.792	0.400	0.2523	50.0
Benzo (b) fluoranthene	1.124	1.248	0.200	11.041	50.0
Benzo (k) fluoranthene	1.575	1.672	0.200	6.1441	50.0
Benzo (a) pyrene	1.152	1.184	0.200	2.8383	50.0
Indeno (1,2,3-cd) pyrene	1.522	1.543	0.200	1.3301	50.0
Dibenzo (a,h) anthracene	1.138	1.165	0.200	2.3553	50.0
Benzo (g,h,i) perylene	1.320	1.369	0.200	3.664	50.0
Fluoranthene-d10	1.235	1.380	0.400	11.7449	50.0
2-Methylnaphthalene-d10	0.481	0.498	0.300	3.4997	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.: BM120324 SAS No.: BM120324 SDG No.: BM120324

Instrument ID: BNA_M Calibration Date/Time: 12/2/2024 1: 21:06

Lab File ID: BM048815.D Init. Calib. Date(s): _____

EPA Sample No.: SICV005 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.605	0.523	0.010	-13.5894	40.0
1,4-Dioxane-d8	0.511	0.460	0.010	-9.9811	40.0
Naphthalene	1.011	0.875	0.600	-13.4761	30.0
1-Methylnaphthalene	0.618	0.511	0.300	-17.2836	30.0
2-Methylnaphthalene	0.584	0.513	0.300	-12.2402	30.0
Acenaphthylene	1.753	1.551	0.900	-11.5099	30.0
Acenaphthene	1.266	1.106	0.500	-12.5848	30.0
Fluorene	1.310	1.153	0.700	-11.9874	30.0
Pentachlorophenol	0.035	0.023	0.010	-33.7334	50.0
Phenanthrene	1.014	0.830	0.300	-18.1598	30.0
Anthracene	0.904	0.756	0.400	-16.3	30.0
Fluoranthene	1.839	1.583	0.400	-13.9061	30.0
Pyrene	1.914	1.626	0.500	-15.0528	30.0
Benzo (a) anthracene	1.129	0.877	0.400	-22.3219	30.0
Chrysene	1.787	1.576	0.400	-11.8324	30.0
Benzo (b) fluoranthene	1.124	0.938	0.200	-16.5839	30.0
Benzo (k) fluoranthene	1.575	1.351	0.200	-14.194	30.0
Benzo (a) pyrene	1.152	1.044	0.200	-9.3524	30.0
Indeno (1,2,3-cd) pyrene	1.522	1.329	0.200	-12.7158	30.0
Dibenzo (a,h) anthracene	1.138	0.996	0.200	-12.5244	30.0
Benzo (g,h,i) perylene	1.320	1.176	0.200	-10.9571	30.0
Fluoranthene-d10	1.235	1.095	0.400	-11.2804	30.0
2-Methylnaphthalene-d10	0.481	0.408	0.300	-15.2467	30.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	11/19/2024 12:00:00 AM
Project:		Date Received:	11/19/2024 12:00:00 AM
Client Sample ID:	SBLK115	SDG No.:	BM120324
Lab Sample ID:	PB165115BL	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
BM048818.D	1	11/19/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165115

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	5.402		15-120		68	SPK: -8
93951-69-0	Fluoranthene-d10	0.407		30-130		102	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.346		30-130		86	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3402	7.603				
1146-65-2	Naphthalene-d8	9408	10.37				
15067-26-2	Acenaphthene-d10	4737	14.238				

Report of Analysis

Client:		Date Collected:	11/19/2024 12:00:00 AM
Project:		Date Received:	11/19/2024 12:00:00 AM
Client Sample ID:	SBLK115	SDG No.:	BM120324
Lab Sample ID:	PB165115BL	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
BM048818.D	1	11/19/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	8767	16.985				
1719-03-5	Chrysene-d12	4731	21.193				
1520-96-3	Perylene-d12	4831	23.361				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	11/22/2024 12:00:00 AM
Project:		Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	SBLK213	SDG No.:	BM120324
Lab Sample ID:	PB165213BL	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
BM048819.D	1	11/22/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165213

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.89	U	0.89	0	6.7	ug/Kg
91-20-3	Naphthalene	0.2	U	0.2	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	0.52	U	0.52	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	0.19	U	0.19	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	0.33	U	0.33	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	0.18	U	0.18	0.83	3.3	ug/Kg
86-73-7	Fluorene	0.22	U	0.22	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	2	U	2	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	0.18	U	0.18	0.83	3.3	ug/Kg
120-12-7	Anthracene	0.17	U	0.17	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	0.18	U	0.18	0.83	3.3	ug/Kg
129-00-0	Pyrene	0.24	U	0.24	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	0.09	U	0.09	0.83	3.3	ug/Kg
218-01-9	Chrysene	0.25	U	0.25	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.47	U	0.47	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.32	U	0.32	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	0.32	U	0.32	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.52	U	0.52	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	0.47	U	0.47	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	0.75	U	0.75	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.382		15-120		67	SPK: -8
93951-69-0	Fluoranthene-d10	0.4		30-130		100	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.333		20-140		83	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3406		7.603			
1146-65-2	Naphthalene-d8	9272		10.37			
15067-26-2	Acenaphthene-d10	4730		14.238			

Report of Analysis

Client:		Date Collected:	11/22/2024 12:00:00 AM
Project:		Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	SBLK213	SDG No.:	BM120324
Lab Sample ID:	PB165213BL	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
BM048819.D	1	11/22/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165213

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	8850	16.985				
1719-03-5	Chrysene-d12	4564	21.192				
1520-96-3	Perylene-d12	4336	23.358				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	MDL-WATER-QT4-2024-07	SDG No.:	BM120324
Lab Sample ID:	P4776-01	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
BM048820.D	1	11/19/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.08	J	0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.08	J	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.08	J	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.07	J	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.07	J	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.08	J	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.07	J	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.09	J	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.07	J	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.06	J	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.09	J	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.08	J	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.07	J	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.09	J	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.09	J	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.08	J	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.08	J	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.08	J	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.07	J	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.08	J	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.633		15-120		79	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.51		30-130		127	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.421		30-130		105	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3034	7.603				
1146-65-2	Naphthalene-d8	7681	10.37				
15067-26-2	Acenaphthene-d10	4334	14.238				

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	MDL-WATER-QT4-2024-07	SDG No.:	BM120324
Lab Sample ID:	P4776-01	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
BM048820.D	1	11/19/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165115

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	7667	16.989				
1719-03-5	Chrysene-d12	4588	21.192				
1520-96-3	Perylene-d12	5553	23.367				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	MDL-SOIL-QT4-2024-07	SDG No.:	BM120324
Lab Sample ID:	P4776-03	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
BM048821.D	1	11/22/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165213

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.3	J	0.89	0	6.7	ug/Kg
91-20-3	Naphthalene	2.5	J	0.2	0.83	3.3	ug/Kg
90-12-0	1-Methylnaphthalene	2.5	J	0.52	0.83	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	2.4	J	0.19	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	2.4	J	0.33	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	2.5	J	0.18	0.83	3.3	ug/Kg
86-73-7	Fluorene	2.4	J	0.22	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	2.5	J	2	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	2.3	J	0.18	0.83	3.3	ug/Kg
120-12-7	Anthracene	2.2	J	0.17	0.83	3.3	ug/Kg
206-44-0	Fluoranthene	2.9	J	0.18	0.83	3.3	ug/Kg
129-00-0	Pyrene	2.9	J	0.24	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	2.2	J	0.09	0.83	3.3	ug/Kg
218-01-9	Chrysene	2.9	J	0.25	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	2.4	J	0.47	0.83	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	2.7	J	0.32	0.83	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	2	J	0.32	0.83	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2.4	J	0.52	0.83	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2.3	J	0.47	0.83	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2.5	J	0.75	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.652		15-120		81	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.521		30-130		130	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.42		20-140		105	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3295		7.602			
1146-65-2	Naphthalene-d8	8566		10.374			
15067-26-2	Acenaphthene-d10	5005		14.237			

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	MDL-SOIL-QT4-2024-07	SDG No.:	BM120324
Lab Sample ID:	P4776-03	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
BM048821.D	1	11/22/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165213

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	8550	16.988				
1719-03-5	Chrysene-d12	4743	21.187				
1520-96-3	Perylene-d12	5880	23.364				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.89	U			99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM120324

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MDL-WATER-QT4-2024-07							
P4776-01	MDL-WATER-QT4-2024 Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
		Total Tics :			0.00		
P4776-01	MDL-WATER-QT4-2024 Water	1,4-Dioxane		0.080 J	0.029	0.2	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	1-Methylnaphthalene		0.080 J	0.015	0.1	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	2-Methylnaphthalene		0.070 J	0.0053	0.1	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	Acenaphthene		0.080 J	0.0074	0.1	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	Acenaphthylene		0.070 J	0.012	0.1	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	Anthracene		0.060 J	0.008	0.1	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	Benzo(a)anthracene		0.070 J	0.0036	0.1	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	Benzo(a)pyrene		0.080 J	0.017	0.1	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	Benzo(b)fluoranthene		0.090 J	0.013	0.1	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	Benzo(g,h,i)perylene		0.080 J	0.022	0.1	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	Benzo(k)fluoranthene		0.080 J	0.0098	0.1	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	Chrysene		0.090 J	0.0077	0.1	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	Dibenzo(a,h)anthracene		0.070 J	0.014	0.1	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	Fluoranthene		0.090 J	0.0079	0.1	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	Fluorene		0.070 J	0.0067	0.1	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	Indeno(1,2,3-cd)pyrene		0.080 J	0.017	0.1	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	Naphthalene		0.080 J	0.0043	0.1	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	Pentachlorophenol		0.090 J	0.063	0.2	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	Phenanthrene		0.070 J	0.0068	0.1	ug/L
P4776-01	MDL-WATER-QT4-2024 Water	Pyrene		0.080 J	0.006	0.1	ug/L
		Total Svoc :			1.56		
		Total Concentration:			1.56		
Client ID : MDL-SOIL-QT4-2024-07							
P4776-03	MDL-SOIL-QT4-2024-0` Solid	Total Alkanes	*	0.000	0.89	6.7	ug/Kg
		Total Tics :			0.00		
P4776-03	MDL-SOIL-QT4-2024-0` Solid	1,4-Dioxane		2.300 J	0.89	6.7	ug/Kg
P4776-03	MDL-SOIL-QT4-2024-0` Solid	1-Methylnaphthalene		2.500 J	0.52	3.3	ug/Kg
P4776-03	MDL-SOIL-QT4-2024-0` Solid	2-Methylnaphthalene		2.400 J	0.19	3.3	ug/Kg
P4776-03	MDL-SOIL-QT4-2024-0` Solid	Acenaphthene		2.500 J	0.18	3.3	ug/Kg
P4776-03	MDL-SOIL-QT4-2024-0` Solid	Acenaphthylene		2.400 J	0.33	3.3	ug/Kg
P4776-03	MDL-SOIL-QT4-2024-0` Solid	Anthracene		2.200 J	0.17	3.3	ug/Kg
P4776-03	MDL-SOIL-QT4-2024-0` Solid	Benzo(a)anthracene		2.200 J	0.09	3.3	ug/Kg
P4776-03	MDL-SOIL-QT4-2024-0` Solid	Benzo(a)pyrene		2.000 J	0.32	3.3	ug/Kg
P4776-03	MDL-SOIL-QT4-2024-0` Solid	Benzo(b)fluoranthene		2.400 J	0.47	3.3	ug/Kg
P4776-03	MDL-SOIL-QT4-2024-0` Solid	Benzo(g,h,i)perylene		2.500 J	0.75	3.3	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM120324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4776-03	MDL-SOIL-QT4-2024-0	Solid	Benzo(k)fluoranthene	2.700	J	0.32	3.3	ug/Kg
P4776-03	MDL-SOIL-QT4-2024-0	Solid	Chrysene	2.900	J	0.25	3.3	ug/Kg
P4776-03	MDL-SOIL-QT4-2024-0	Solid	Dibenzo(a,h)anthracene	2.300	J	0.47	3.3	ug/Kg
P4776-03	MDL-SOIL-QT4-2024-0	Solid	Fluoranthene	2.900	J	0.18	3.3	ug/Kg
P4776-03	MDL-SOIL-QT4-2024-0	Solid	Fluorene	2.400	J	0.22	3.3	ug/Kg
P4776-03	MDL-SOIL-QT4-2024-0	Solid	Indeno(1,2,3-cd)pyrene	2.400	J	0.52	3.3	ug/Kg
P4776-03	MDL-SOIL-QT4-2024-0	Solid	Naphthalene	2.500	J	0.2	3.3	ug/Kg
P4776-03	MDL-SOIL-QT4-2024-0	Solid	Pentachlorophenol	2.500	J	2	6.7	ug/Kg
P4776-03	MDL-SOIL-QT4-2024-0	Solid	Phenanthrene	2.300	J	0.18	3.3	ug/Kg
P4776-03	MDL-SOIL-QT4-2024-0	Solid	Pyrene	2.900	J	0.24	3.3	ug/Kg
Total Svoc :				49.20				
Total Concentration:				49.20				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM120324 SAS No.: BM120324 SDG No.: BM120324
Instrument ID: _____ Calibration Date(s): 12/2/2024 : _____
Calibration Time(s): 17:32 _____

LAB FILE ID:		RRFAL1 = BM048809.D			RRFAL2 = BM048810.D		RRFAL3 = BM048811.D	
		RRFAL4 = BM048812.D			RRFAL5 = BM048813.D		RRFAL6 = BM048814.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane		0.711	0.642	0.604	0.551	0.515	0.605	12.7
1,4-Dioxane-d8		0.552	0.532	0.513	0.490	0.468	0.511	6.5
Naphthalene	1.064	1.029	1.024	0.988	0.949		1.011	4.3
1-Methylnaphthalene	0.640	0.624	0.625	0.593	0.607		0.618	2.9
2-Methylnaphthalene	0.592	0.577	0.586	0.580	0.585		0.584	1.0
Acenaphthylene	1.799	1.756	1.777	1.731	1.703		1.753	2.2
Acenaphthene	1.297	1.257	1.283	1.252	1.240		1.266	1.9
Fluorene	1.264	1.268	1.335	1.333	1.351		1.310	3.1
Pentachlorophenol		0.024	0.029	0.035	0.038	0.047	0.035	25.3
Phenanthrene	1.049	0.973	0.991	1.043	1.014		1.014	3.2
Anthracene	0.855	0.876	0.895	0.944	0.949		0.904	4.6
Fluoranthene	2.072	1.942	1.852	1.688	1.641		1.839	9.7
Pyrene	2.213	2.046	1.939	1.722	1.652		1.914	12.1
Benzo(a)anthracene	1.213	1.103	1.092	1.102	1.139		1.129	4.4
Chrysene	2.019	1.907	1.807	1.655	1.547		1.787	10.6
Benzo(b)fluoranthene	1.189	1.066	1.066	1.159	1.140		1.124	5.0
Benzo(k)fluoranthene	1.625	1.598	1.576	1.550	1.526		1.575	2.5
Benzo(a)pyrene	1.147	1.173	1.140	1.160	1.139		1.152	1.3
Indeno(1,2,3-cd)pyrene	1.559	1.471	1.489	1.545	1.548		1.522	2.6
Dibenzo(a,h)anthracene	1.091	1.099	1.136	1.174	1.191		1.138	3.9
Benzo(g,h,i)perylene	1.377	1.283	1.302	1.335	1.305		1.320	2.8
Fluoranthene-d10	1.281	1.284	1.293	1.177	1.139		1.235	5.8
2-Methylnaphthalene-d10	0.484	0.477	0.490	0.476	0.481		0.481	1.1

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.: BM120324 SAS No.: BM120324 SDG NO.: BM120324

EPA Sample No.: SSTD0.4001 Date Analyzed: Dec 2 2024 12:00AM

Lab File ID: BM048811.D Time Analyzed: 21:06

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	3158	7.611	8838	10.38	4778	14.24
UPPER LIMIT	6316	8.111	17676	10.875	9556	14.743
LOWER LIMIT	1579	7.111	4419	9.875	2389	13.743
EPA SAMPLE NO.						
01 SICV005	3309	7.61	8845	10.38	4811	14.24
02 SBLK115	3402	7.60	9408	10.37	4737	14.24
03 SBLK213	3406	7.60	9272	10.37	4730	14.24
04 MDL-WATER-QT4-2024-07	3034	7.60	7681	10.37	4334	14.24
05 MDL-SOIL-QT4-2024-07	3295	7.60	8566	10.37	5005	14.24

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.: BM120324 SAS No.: BM120324 SDG NO.: BM120324

EPA Sample No.: SSTD0.4093 Date Analyzed: Dec 3 2024 12:00AM

Lab File ID: BM048817.D Time Analyzed: 10:08

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	2743	7.607	7537	10.38	3965	14.24
UPPER LIMIT	5486	8.107	15074	10.876	7930	14.738
LOWER LIMIT	1371.5	7.107	3768.5	9.876	1982.5	13.738
EPA SAMPLE NO.						
01 SBLK115	3402	7.60	9408	10.37	4737	14.24
02 SBLK213	3406	7.60	9272	10.37	4730	14.24
03 MDL-WATER-QT4-2024-07	3034	7.60	7681	10.37	4334	14.24
04 MDL-SOIL-QT4-2024-07	3295	7.60	8566	10.37	5005	14.24

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.: BM120324 SAS No.: BM120324 SDG NO.: BM120324

EPA Sample No.: SSTD0.4001 Date Analyzed: Dec 2 2024 12:00AM

Lab File ID: BM048811.D Time Analyzed: 21:06

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	8953	16.989	5613	21.186	6682	23.37
UPPER LIMIT	17906	17.489	11226	21.686	13364	23.87
LOWER LIMIT	4476.5	16.489	2806.5	20.686	3341	22.87
EPA SAMPLE NO.						
01 SICV005	9162	16.99	5797	21.19	6678	23.36
02 SBLK115	8767	16.99	4731	21.19	4831	23.36
03 SBLK213	8850	16.99	4564	21.19	4336	23.36
04 MDL-WATER-QT4-2024-07	7667	16.99	4588	21.19	5553	23.37
05 MDL-SOIL-QT4-2024-07	8550	16.99	4743	21.19	5880	23.36

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.: BM120324 SAS No.: BM120324 SDG NO.: BM120324

EPA Sample No.: SSTD0.4093 Date Analyzed: Dec 3 2024 12:00AM

Lab File ID: BM048817.D Time Analyzed: 10:08

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	7746	16.989	5122	21.189	5893	23.367
UPPER LIMIT	15492	17.489	10244	21.689	11786	23.867
LOWER LIMIT	3873	16.489	2561	20.689	2946.5	22.867
EPA SAMPLE NO.						
01 SBLK115	8767	16.99	4731	21.19	4831	23.36
02 SBLK213	8850	16.99	4564	21.19	4336	23.36
03 MDL-WATER-QT4-2024-07	7667	16.99	4588	21.19	5553	23.37
04 MDL-SOIL-QT4-2024-07	8550	16.99	4743	21.19	5880	23.36

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.: BM120324

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.

SBLK115

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM120324

SAS No.: BM120324 SDG NO.: BM120324

Lab File ID: BM048818.D

Lab Sample ID: PB165115BL

Instrument ID: BNA_M

Date Extracted: 11/19/2024

Matrix: (soil/water) Water

Date Analyzed: 12/03/2024

Level: (low/med) LOW

Time Analyzed: 10:08

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MDL-WATER-QT4-2024-07	P4776-01	BM048820.D	12/03/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK213

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM120324

SAS No.: BM120324 SDG NO.: BM120324

Lab File ID: BM048819.D

Lab Sample ID: PB165213BL

Instrument ID: BNA_M

Date Extracted: 11/22/2024

Matrix: (soil/water) Solid

Date Analyzed: 12/03/2024

Level: (low/med) LOW

Time Analyzed: 10:46

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MDL-SOIL-QT4-2024-07	P4776-03	BM048821.D	12/03/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BM120324

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4776-01	MDL-WATER-QT4BM048820.D		1,4-Dioxane-d8	0.8	0.63	79		15	120
			Fluoranthene-d10	0.4	0.51	127		30	130
			2-Methylnaphthalene-d10	0.4	0.42	105		30	130
PB165115BL	PB165115BL	BM048818.D	1,4-Dioxane-d8	8	5.40	68		15	120
			Fluoranthene-d10	0.4	0.41	102		30	130
			2-Methylnaphthalene-d10	0.4	0.35	86		30	130

Surrogate Summary

SW-846

SDG No.: BM120324

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4776-03	MDL-SOIL-QT4-2(BM048821.D		1,4-Dioxane-d8	0.8	0.65	81		15	120
			Fluoranthene-d10	0.4	0.52	130		30	130
			2-Methylnaphthalene-d10	0.4	0.42	105		20	140
PB165213BL	PB165213BL	BM048819.D	1,4-Dioxane-d8	8	5.38	67		15	120
			Fluoranthene-d10	0.4	0.40	100		30	130
			2-Methylnaphthalene-d10	0.4	0.33	83		20	140

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM120324

Lab Code: CHEM

SAS No.: BM120324 SDG NO.: BM120324

Lab File ID: BM048808.D

DFTPP Injection Date: 12/02/2024

Instrument ID: BNA_M

DFTPP Injection Time: 16:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.9
68	Less than 2.0% of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	40.5
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.7
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	6.9
275	10.0 - 60.0% of mass 198	23.7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	10.5
442	Greater than 50% of mass 198	64.5
443	15.0 - 24.0% of mass 442	12.4 (19.2) 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
SSTD0.1048	SSTD0.118	BM048809.D	12/02/2024	17:32
SSTD0.2049	SSTD0.219	BM048810.D	12/02/2024	18:07
SSTD0.4001	SSTD0.420	BM048811.D	12/02/2024	18:43
SSTD0.8002	SSTD0.821	BM048812.D	12/02/2024	19:19
SSTD1.6003	SSTD1.622	BM048813.D	12/02/2024	19:55
SSTD3.2004	SSTD3.223	BM048814.D	12/02/2024	20:31
SICV005	SSTDICV0.4	BM048815.D	12/02/2024	21:06

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM120324

Lab Code: CHEM

SAS No.: BM120324

SDG NO.: BM120324

Lab File ID: BM048816.D

DFTPP Injection Date: 12/03/2024

Instrument ID: BNA_M

DFTPP Injection Time: 08:18

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	44.2
68	Less than 2.0% of mass 69	0.7 (1.5) 1
69	Mass 69 relative abundance	44.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.6
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	6.7
275	10.0 - 60.0% of mass 198	22.5
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	10.4
442	Greater than 50% of mass 198	63.6
443	15.0 - 24.0% of mass 442	12.1 (19.1) 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
SSTD0.4093	SSTDCCC0.4	BM048817.D	12/03/2024	09:27
SBLK115	PB165115BL	BM048818.D	12/03/2024	10:08
SBLK213	PB165213BL	BM048819.D	12/03/2024	10:46
MDL-WATER-QT4-2024-07	P4776-01	BM048820.D	12/03/2024	15:02
MDL-SOIL-QT4-2024-07	P4776-03	BM048821.D	12/03/2024	15:37
SSTD0.4094	SSTDCCC0.4EC	BM048822.D	12/03/2024	17:03