

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM081424 SAS No.: BM081424 SDG No.: BM081424

Instrument ID: BNA_M Calibration Date/Time: 8/13/2024 1:16:06

Lab File ID: BM047176.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4198 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.451	0.558	0.010	23.8731	40.0
1,4-Dioxane-d8	0.403	0.455	0.010	12.7916	40.0
Naphthalene	1.045	1.025	0.600	-1.8947	30.0
1-Methylnaphthalene	0.713	0.664	0.300	-6.9201	30.0
2-Methylnaphthalene	0.682	0.640	0.300	-6.2019	30.0
Acenaphthylene	1.855	1.803	0.900	-2.7983	30.0
Acenaphthene	1.263	1.269	0.500	0.4552	30.0
Fluorene	1.470	1.461	0.700	-0.6062	30.0
Pentachlorophenol	0.127	0.128	0.010	0.2275	50.0
Phenanthrene	1.152	1.093	0.300	-5.1169	30.0
Anthracene	1.028	0.963	0.400	-6.3482	30.0
Fluoranthene	1.622	1.519	0.400	-6.3286	30.0
Pyrene	1.697	1.640	0.500	-3.3214	30.0
Benzo (a) anthracene	1.469	1.448	0.400	-1.4247	30.0
Chrysene	1.558	1.531	0.400	-1.7841	30.0
Benzo (b) fluoranthene	1.589	1.512	0.200	-4.8643	30.0
Benzo (k) fluoranthene	1.661	1.626	0.200	-2.1385	30.0
Benzo (a) pyrene	1.255	1.233	0.200	-1.7497	30.0
Indeno (1,2,3-cd) pyrene	1.908	1.877	0.200	-1.5911	30.0
Dibenzo (a,h) anthracene	1.484	1.456	0.200	-1.88	30.0
Benzo (g,h,i) perylene	1.580	1.562	0.200	-1.1411	30.0
Fluoranthene-d10	1.156	1.120	0.400	-3.0948	30.0
2-Methylnaphthalene-d10	0.597	0.565	0.300	-5.2686	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.: BM081424 SAS No.: BM081424 SDG No.: BM081424

Instrument ID: BNA_M Calibration Date/Time: 8/13/2024 1:20:23

Lab File ID: BM047183.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4199 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.451	0.592	0.010	31.409	50.0
1,4-Dioxane-d8	0.403	0.493	0.010	22.2709	50.0
Naphthalene	1.045	1.024	0.600	-1.9755	50.0
1-Methylnaphthalene	0.713	0.645	0.300	-9.505	50.0
2-Methylnaphthalene	0.682	0.618	0.300	-9.482	50.0
Acenaphthylene	1.855	1.791	0.900	-3.4616	50.0
Acenaphthene	1.263	1.303	0.500	3.1728	50.0
Fluorene	1.470	1.431	0.700	-2.6612	50.0
Pentachlorophenol	0.127	0.093	0.010	-26.8145	50.0
Phenanthrene	1.152	1.112	0.300	-3.4645	50.0
Anthracene	1.028	0.939	0.400	-8.7379	50.0
Fluoranthene	1.622	1.606	0.400	-0.9682	50.0
Pyrene	1.697	1.688	0.500	-0.5227	50.0
Benzo (a) anthracene	1.469	1.417	0.400	-3.5499	50.0
Chrysene	1.558	1.568	0.400	0.6081	50.0
Benzo (b) fluoranthene	1.589	1.530	0.200	-3.7046	50.0
Benzo (k) fluoranthene	1.661	1.631	0.200	-1.807	50.0
Benzo (a) pyrene	1.255	1.224	0.200	-2.4738	50.0
Indeno (1,2,3-cd) pyrene	1.908	1.963	0.200	2.919	50.0
Dibenzo (a,h) anthracene	1.484	1.519	0.200	2.4096	50.0
Benzo (g,h,i) perylene	1.580	1.666	0.200	5.4215	50.0
Fluoranthene-d10	1.156	1.165	0.400	0.7774	50.0
2-Methylnaphthalene-d10	0.597	0.536	0.300	-10.1949	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	SBLK637	SDG No.:	BM081424
Lab Sample ID:	PB162637BL	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
BM047177.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162637

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	8.09		15-120		101	SPK: -8
93951-69-0	Fluoranthene-d10	0.36		30-130		90	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	4927		7.372			
1146-65-2	Naphthalene-d8	14790		10.124			
15067-26-2	Acenaphthene-d10	7560		14.027			

Report of Analysis

Client:		Date Collected:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	SBLK637	SDG No.:	BM081424
Lab Sample ID:	PB162637BL	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
BM047177.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	16094	16.788				
1719-03-5	Chrysene-d12	11762	21.015				
1520-96-3	Perylene-d12	10165	23.114				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	BH7N1	SDG No.:	BM081424
Lab Sample ID:	P3538-01	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
BM047178.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.96		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	0.03	J	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	0.03	J	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.04	J	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.05	J	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.05	J	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.03	J	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	J	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	J	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	J	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.81		15-120		85	SPK: -8
93951-69-0	Fluoranthene-d10	0.489		30-130		122	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.449		30-130		112	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5889	7.372				
1146-65-2	Naphthalene-d8	18388	10.124				
15067-26-2	Acenaphthene-d10	10110	14.027				

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	BH7N1	SDG No.:	BM081424
Lab Sample ID:	P3538-01	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
BM047178.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	22878	16.788				
1719-03-5	Chrysene-d12	16701	21.015				
1520-96-3	Perylene-d12	14300	23.108				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	BH7N2	SDG No.:	BM081424
Lab Sample ID:	P3538-02	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047179.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.98		0.03	0	0.2	ug/L
91-20-3	Naphthalene	0	U	0	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.02	U	0.02	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.01	U	0.01	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.01	U	0.01	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.01	U	0.01	0.05	0.1	ug/L
86-73-7	Fluorene	0.01	U	0.01	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.06	U	0.06	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.01	U	0.01	0.05	0.1	ug/L
120-12-7	Anthracene	0.01	U	0.01	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.01	U	0.01	0.05	0.1	ug/L
129-00-0	Pyrene	0.01	U	0.01	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0	U	0	0.05	0.1	ug/L
218-01-9	Chrysene	0.02	J	0.01	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.03	J	0.01	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.02	J	0.01	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.02	U	0.02	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.02	U	0.02	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.01	U	0.01	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.02	U	0.02	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.579		15-120		82	SPK: -8
93951-69-0	Fluoranthene-d10	0.503		30-130		126	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.439		30-130		110	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5206	7.372				
1146-65-2	Naphthalene-d8	15702	10.124				
15067-26-2	Acenaphthene-d10	8033	14.027				

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	BH7N2	SDG No.:	BM081424
Lab Sample ID:	P3538-02	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	980 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
BM047179.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	17029	16.788				
1719-03-5	Chrysene-d12	12144	21.015				
1520-96-3	Perylene-d12	10384	23.111				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.03	U			99	ug/L

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	C0B39	SDG No.:	BM081424
Lab Sample ID:	P3540-02	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047180.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.5		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.511		15-120		81	SPK: -8
93951-69-0	Fluoranthene-d10	0.522	*	30-130		131	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.423		30-130		106	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5351		7.372			
1146-65-2	Naphthalene-d8	16375		10.124			
15067-26-2	Acenaphthene-d10	8362		14.027			

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	C0B39	SDG No.:	BM081424
Lab Sample ID:	P3540-02	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047180.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	17039	16.788				
1719-03-5	Chrysene-d12	12266	21.015				
1520-96-3	Perylene-d12	10917	23.111				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	C0B42	SDG No.:	BM081424
Lab Sample ID:	P3540-04	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
BM047181.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.4		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.0043	U	0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.015	U	0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.0053	U	0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.012	U	0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.0074	U	0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.0067	U	0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.063	U	0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.0068	U	0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.008	U	0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.0079	U	0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.006	U	0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.0036	U	0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.0077	U	0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.013	U	0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.0098	U	0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.017	U	0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.017	U	0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.014	U	0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.022	U	0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.076		15-120		76	SPK: -8
93951-69-0	Fluoranthene-d10	0.525	*	30-130		131	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.409		30-130		102	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5312		7.372			
1146-65-2	Naphthalene-d8	16019		10.124			
15067-26-2	Acenaphthene-d10	8081		14.027			

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	C0B42	SDG No.:	BM081424
Lab Sample ID:	P3540-04	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
BM047181.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	16981	16.788				
1719-03-5	Chrysene-d12	12158	21.015				
1520-96-3	Perylene-d12	10195	23.111				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Report of Analysis

Client:		Date Collected:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	SLCS637	SDG No.:	BM081424
Lab Sample ID:	PB162637BS	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
BM047182.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.3		0.029	0	0.2	ug/L
91-20-3	Naphthalene	0.39		0.0043	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.42		0.015	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.37		0.0053	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.37		0.012	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.41		0.0074	0.05	0.1	ug/L
86-73-7	Fluorene	0.38		0.0067	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.64		0.063	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.38		0.0068	0.05	0.1	ug/L
120-12-7	Anthracene	0.36		0.008	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.4		0.0079	0.05	0.1	ug/L
129-00-0	Pyrene	0.41		0.006	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.39		0.0036	0.05	0.1	ug/L
218-01-9	Chrysene	0.41		0.0077	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.4		0.013	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.41		0.0098	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.44		0.017	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.42		0.017	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.42		0.014	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.43		0.022	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.934		15-120		117	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.45		30-130		113	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.393		30-130		98	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6101	7.372				
1146-65-2	Naphthalene-d8	17576	10.124				
15067-26-2	Acenaphthene-d10	9007	14.027				

Report of Analysis

Client:		Date Collected:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	SLCS637	SDG No.:	BM081424
Lab Sample ID:	PB162637BS	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
BM047182.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1517-22-2	Phenanthrene-d10	17518	16.792				
1719-03-5	Chrysene-d12	12657	21.012				
1520-96-3	Perylene-d12	12800	23.113				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.029	U			99	ug/L

Hit Summary Sheet SW-846

SDG No.: BM081424

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : BH7N1								
P3538-01	BH7N1	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
			Total Tics :			0.00		
P3538-01	BH7N1	Water	1,4-Dioxane		0.960	0.029	0.2	ug/L
P3538-01	BH7N1	Water	Benzo(a)anthracene		0.030	J 0.0036	0.1	ug/L
P3538-01	BH7N1	Water	Benzo(a)pyrene		0.030	J 0.017	0.1	ug/L
P3538-01	BH7N1	Water	Benzo(b)fluoranthene		0.050	J 0.013	0.1	ug/L
P3538-01	BH7N1	Water	Benzo(g,h,i)perylene		0.050	J 0.022	0.1	ug/L
P3538-01	BH7N1	Water	Benzo(k)fluoranthene		0.050	J 0.0098	0.1	ug/L
P3538-01	BH7N1	Water	Chrysene		0.040	J 0.0077	0.1	ug/L
P3538-01	BH7N1	Water	Dibenzo(a,h)anthracene		0.040	J 0.014	0.1	ug/L
P3538-01	BH7N1	Water	Fluoranthene		0.030	J 0.0079	0.1	ug/L
P3538-01	BH7N1	Water	Indeno(1,2,3-cd)pyrene		0.040	J 0.017	0.1	ug/L
			Total Svoc :			1.32		
			Total Concentration:			1.32		
Client ID : BH7N2								
P3538-02	BH7N2	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L
			Total Tics :			0.00		
P3538-02	BH7N2	Water	1,4-Dioxane		0.980	0.03	0.2	ug/L
P3538-02	BH7N2	Water	Benzo(b)fluoranthene		0.030	J 0.01	0.1	ug/L
P3538-02	BH7N2	Water	Benzo(k)fluoranthene		0.020	J 0.01	0.1	ug/L
P3538-02	BH7N2	Water	Chrysene		0.020	J 0.01	0.1	ug/L
			Total Svoc :			1.05		
			Total Concentration:			1.05		
Client ID : C0B39								
P3540-02	C0B39	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
			Total Tics :			0.00		
P3540-02	C0B39	Water	1,4-Dioxane		2.500	0.029	0.2	ug/L
			Total Svoc :			2.50		
			Total Concentration:			2.50		
Client ID : C0B42								
P3540-04	C0B42	Water	Total Alkanes	*	0.000	0.029	0.2	ug/L
			Total Tics :			0.00		
P3540-04	C0B42	Water	1,4-Dioxane		2.400	0.029	0.2	ug/L
			Total Svoc :			2.40		
			Total Concentration:			2.40		



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

Hit Summary Sheet
SW-846

SDG No.: BM081424

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
-----------	-----------	-----------	---------------	---	-----	-----	-------



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM080724 SAS No.: BM080724 SDG No.: BM080724
Instrument ID: _____ Calibration Date(s): 8/8/2024 1: _____
Calibration Time(s): 00:49 _____

LAB FILE ID:		RRFAL1 = BM047070.D			RRFAL2 = BM047071.D		RRFAL3 = BM047072.D	
		RRFAL4 = BM047073.D			RRFAL5 = BM047074.D		RRFAL6 = BM047075.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane		0.471	0.464	0.465	0.429	0.425	0.451	4.9
1,4-Dioxane-d8		0.403	0.417	0.415	0.393	0.388	0.403	3.2
Naphthalene	1.080	1.042	1.018	1.066	1.019		1.045	2.7
1-Methylnaphthalene	0.732	0.701	0.702	0.729	0.701		0.713	2.2
2-Methylnaphthalene	0.692	0.672	0.674	0.698	0.674		0.682	1.8
Acenaphthylene	1.911	1.824	1.866	1.872	1.804		1.855	2.3
Acenaphthene	1.294	1.245	1.271	1.287	1.218		1.263	2.5
Fluorene	1.487	1.430	1.495	1.509	1.430		1.470	2.6
Pentachlorophenol		0.143	0.120	0.125	0.118	0.131	0.127	7.7
Phenanthrene	1.216	1.151	1.095	1.170	1.127		1.152	4.0
Anthracene	1.037	1.010	0.979	1.074	1.042		1.028	3.5
Fluoranthene	1.774	1.622	1.545	1.612	1.555		1.622	5.7
Pyrene	1.850	1.713	1.616	1.681	1.623		1.697	5.6
Benzo(a)anthracene	1.705	1.494	1.361	1.413	1.371		1.469	9.7
Chrysene	1.957	1.642	1.436	1.434	1.323		1.558	16.1
Benzo(b)fluoranthene	1.874	1.646	1.488	1.502	1.436		1.589	11.1
Benzo(k)fluoranthene	1.999	1.716	1.527	1.588	1.476		1.661	12.6
Benzo(a)pyrene	1.359	1.295	1.195	1.237	1.190		1.255	5.7
Indeno(1,2,3-cd)pyrene	2.265	1.933	1.755	1.845	1.740		1.908	11.2
Dibenzo(a,h)anthracene	1.770	1.506	1.366	1.430	1.345		1.484	11.6
Benzo(g,h,i)perylene	1.894	1.613	1.454	1.521	1.418		1.580	12.0
Fluoranthene-d10	1.168	1.149	1.122	1.185	1.156		1.156	2.0
2-Methylnaphthalene-d10	0.610	0.585	0.587	0.614	0.589		0.597	2.3

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.: BM081424 SAS No.: BM081424 SDG NO.: BM081424

EPA Sample No.: SSTD0.4003 Date Analyzed: Aug 13 2024 12:00AM

Lab File ID: BM047072.D Time Analyzed: 16:43

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	6794	7.397	21516	10.15	12285	14.05
UPPER LIMIT	13588	7.897	43032	10.651	24570	14.55
LOWER LIMIT	3397	6.897	10758	9.651	6142.5	13.55
EPA SAMPLE NO.						
01 SBLK637	4927	7.37	14790	10.12	7560	14.03
02 BH7N1	5889	7.37	18388	10.12	10110	14.03
03 BH7N2	5206	7.37	15702	10.12	8033	14.03
04 C0B39	5351	7.37	16375	10.12	8362	14.03
05 C0B42	5312	7.37	16019	10.12	8081	14.03
06 SLCS637	6101	7.37	17576	10.12	9007	14.03

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.: BM081424 SAS No.: BM081424 SDG NO.: BM081424

EPA Sample No.: SSTD0.4198 Date Analyzed: Aug 13 2024 12:00AM

Lab File ID: BM047176.D Time Analyzed: 16:43

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	5582	7.372	15910	10.12	8219	14.03
UPPER LIMIT	11164	7.872	31820	10.624	16438	14.527
LOWER LIMIT	2791	6.872	7955	9.624	4109.5	13.527
EPA SAMPLE NO.						
01 SBLK637	4927	7.37	14790	10.12	7560	14.03
02 BH7N1	5889	7.37	18388	10.12	10110	14.03
03 BH7N2	5206	7.37	15702	10.12	8033	14.03
04 C0B39	5351	7.37	16375	10.12	8362	14.03
05 C0B42	5312	7.37	16019	10.12	8081	14.03
06 SLCS637	6101	7.37	17576	10.12	9007	14.03

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.: BM081424 SAS No.: BM081424 SDG NO.: BM081424

EPA Sample No.: SSTD0.4003 Date Analyzed: Aug 13 2024 12:00AM

Lab File ID: BM047072.D Time Analyzed: 16:43

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	25688	16.809	19720	21.024	18391	23.128
UPPER LIMIT	51376	17.309	39440	21.524	36782	23.628
LOWER LIMIT	12844	16.309	9860	20.524	9195.5	22.628
EPA SAMPLE NO.						
01 SBLK637	16094	16.79	11762	21.02	10165	23.11
02 BH7N1	22878	16.79	16701	21.02	14300	23.11
03 BH7N2	17029	16.79	12144	21.02	10384	23.11
04 C0B39	17039	16.79	12266	21.02	10917	23.11
05 C0B42	16981	16.79	12158	21.02	10195	23.11
06 SLCS637	17518	16.79	12657	21.01	12800	23.11

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.: BM081424 SAS No.: BM081424 SDG NO.: BM081424

EPA Sample No.: SSTD0.4198 Date Analyzed: Aug 13 2024 12:00AM

Lab File ID: BM047176.D Time Analyzed: 16:43

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	17243	16.788	14425	21.012	14608	23.114
UPPER LIMIT	34486	17.288	28850	21.512	29216	23.614
LOWER LIMIT	8621.5	16.288	7212.5	20.512	7304	22.614
EPA SAMPLE NO.						
01 SBLK637	16094	16.79	11762	21.02	10165	23.11
02 BH7N1	22878	16.79	16701	21.02	14300	23.11
03 BH7N2	17029	16.79	12144	21.02	10384	23.11
04 C0B39	17039	16.79	12266	21.02	10917	23.11
05 C0B42	16981	16.79	12158	21.02	10195	23.11
06 SLCS637	17518	16.79	12657	21.01	12800	23.11

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.: **BM081424**

Client:

Analytical Method: **SFAM_SVOASIM**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB162637BS	1,4-Dioxane	2	2.3	ug/L	115				0	0		
	Naphthalene	0.4	0.39	ug/L	98				0	0		
	1-Methylnaphthalene	0.4	0.42	ug/L	105				0	0		
	2-Methylnaphthalene	0.4	0.37	ug/L	93				0	0		
	Acenaphthylene	0.4	0.37	ug/L	93				0	0		
	Acenaphthene	0.4	0.41	ug/L	103				0	0		
	Fluorene	0.4	0.38	ug/L	95				0	0		
	Pentachlorophenol	0.8	0.64	ug/L	80				0	0		
	Phenanthrene	0.4	0.38	ug/L	95				0	0		
	Anthracene	0.4	0.36	ug/L	90				0	0		
	Fluoranthene	0.4	0.4	ug/L	100				0	0		
	Pyrene	0.4	0.41	ug/L	103				0	0		
	Benzo(a)anthracene	0.4	0.39	ug/L	98				0	0		
	Chrysene	0.4	0.41	ug/L	103				0	0		
	Benzo(b)fluoranthene	0.4	0.4	ug/L	100				0	0		
	Benzo(k)fluoranthene	0.4	0.41	ug/L	103				0	0		
	Benzo(a)pyrene	0.4	0.44	ug/L	110				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0.42	ug/L	105				0	0		
	Dibenzo(a,h)anthracene	0.4	0.42	ug/L	105				0	0		
	Benzo(g,h,i)perylene	0.4	0.43	ug/L	108				0	0		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK637

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM081424

SAS No.: BM081424 SDG NO.: BM081424

Lab File ID: BM047177.D

Lab Sample ID: PB162637BL

Instrument ID: BNA_M

Date Extracted: 08/09/2024

Matrix: (soil/water) Water

Date Analyzed: 08/13/2024

Level: (low/med) LOW

Time Analyzed: 16:43

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BH7N1	P3538-01	BM047178.D	08/13/2024
BH7N2	P3538-02	BM047179.D	08/13/2024
C0B39	P3540-02	BM047180.D	08/13/2024
C0B42	P3540-04	BM047181.D	08/13/2024
PB162637BS	PB162637BS	BM047182.D	08/13/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: **BM081424**

Client: _____

Analytical Method: **SFAM_SVOASIM**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3538-01	BH7N1	BM047178.D	1,4-Dioxane-d8	8	6.81	85		15	120
			Fluoranthene-d10	0.4	0.49	122		30	130
			2-Methylnaphthalene-d10	0.4	0.45	112		30	130
P3538-02	BH7N2	BM047179.D	1,4-Dioxane-d8	8	6.58	82		15	120
			Fluoranthene-d10	0.4	0.50	126		30	130
			2-Methylnaphthalene-d10	0.4	0.44	110		30	130
P3540-02	C0B39	BM047180.D	1,4-Dioxane-d8	8	6.51	81		15	120
			Fluoranthene-d10	0.4	0.52	131	*	30	130
			2-Methylnaphthalene-d10	0.4	0.42	106		30	130
P3540-04	C0B42	BM047181.D	1,4-Dioxane-d8	8	6.08	76		15	120
			Fluoranthene-d10	0.4	0.53	131	*	30	130
			2-Methylnaphthalene-d10	0.4	0.41	102		30	130
PB162637BL	PB162637BL	BM047177.D	1,4-Dioxane-d8	8	8.09	101		15	120
			Fluoranthene-d10	0.4	0.36	90		30	130
			2-Methylnaphthalene-d10	0.4	0.33	83		30	130
PB162637BS	PB162637BS	BM047182.D	1,4-Dioxane-d8	0.8	0.93	117		15	120
			Fluoranthene-d10	0.4	0.45	113		30	130
			2-Methylnaphthalene-d10	0.4	0.39	98		30	130

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM081424

Lab Code: CHEM

SAS No.: BM081424

SDG NO.: BM081424

Lab File ID: BM047175.D

DFTPP Injection Date: 08/13/2024

Instrument ID: BNA_M

DFTPP Injection Time: 15:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.6
68	Less than 2.0% of mass 69	0.5 (1.3) 1
69	Mass 69 relative abundance	38.2
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	44.6
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	6.8
275	10.0 - 60.0% of mass 198	26.3
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	9.7
442	Greater than 50% of mass 198	61.4
443	15.0 - 24.0% of mass 442	11.8 (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
SSTD0.4198	SSTDCCC0.4	BM047176.D	08/13/2024	16:06
SBLK637	PB162637BL	BM047177.D	08/13/2024	16:43
BH7N1	P3538-01	BM047178.D	08/13/2024	17:19
BH7N2	P3538-02	BM047179.D	08/13/2024	17:56
C0B39	P3540-02	BM047180.D	08/13/2024	18:33
C0B42	P3540-04	BM047181.D	08/13/2024	19:10
SLCS637	PB162637BS	BM047182.D	08/13/2024	19:47
SSTD0.4199	SSTDCCC0.4EC	BM047183.D	08/13/2024	20:23