

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN031524 SAS No.: BN031524 SDG No.: BN031524

Instrument ID: BNA_N Calibration Date/Time: 3/15/2024 1:09:44

Lab File ID: BN030411.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4358 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.531	0.517	0.010	-2.6911	40.0
1,4-Dioxane-d8	0.488	0.484	0.010	-0.7277	40.0
Naphthalene	1.080	1.049	0.600	-2.8887	30.0
1-Methylnaphthalene	0.671	0.663	0.300	-1.1879	30.0
2-Methylnaphthalene	0.632	0.624	0.300	-1.3701	30.0
Acenaphthylene	1.907	1.849	0.900	-3.0346	30.0
Acenaphthene	1.397	1.360	0.500	-2.6692	30.0
Fluorene	1.537	1.518	0.700	-1.2688	30.0
Pentachlorophenol	0.115	0.108	0.010	-6.2092	50.0
Phenanthrene	1.179	1.136	0.300	-3.6408	30.0
Anthracene	1.077	1.024	0.400	-4.9508	30.0
Fluoranthene	1.582	1.523	0.400	-3.7223	30.0
Pyrene	1.691	1.642	0.500	-2.8935	30.0
Benzo(a)anthracene	1.342	1.306	0.400	-2.6313	30.0
Chrysene	1.543	1.507	0.400	-2.3446	30.0
Benzo(b)fluoranthene	1.341	1.299	0.200	-3.1434	30.0
Benzo(k)fluoranthene	1.632	1.615	0.200	-1.0706	30.0
Benzo(a)pyrene	1.417	1.363	0.200	-3.8145	30.0
Indeno(1,2,3-cd)pyrene	1.871	1.719	0.200	-8.163	30.0
Dibenzo(a,h)anthracene	1.429	1.321	0.200	-7.5278	30.0
Benzo(g,h,i)perylene	1.672	1.556	0.200	-6.9208	30.0
Fluoranthene-d10	1.231	1.196	0.400	-2.8447	30.0
2-Methylnaphthalene-d10	0.553	0.554	0.300	0.2293	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.: BN031524 SAS No.: BN031524 SDG No.: BN031524
Instrument ID: BNA_N Calibration Date/Time: 3/15/2024 1:13:26
Lab File ID: BN030416.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD0.4359 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.531	0.545	0.010	2.597	40.0
1,4-Dioxane-d8	0.488	0.517	0.010	6.0334	40.0
Naphthalene	1.080	1.039	0.600	-3.8264	30.0
1-Methylnaphthalene	0.671	0.679	0.300	1.1845	30.0
2-Methylnaphthalene	0.632	0.636	0.300	0.5188	30.0
Acenaphthylene	1.907	1.842	0.900	-3.4061	30.0
Acenaphthene	1.397	1.344	0.500	-3.8054	30.0
Fluorene	1.537	1.504	0.700	-2.1943	30.0
Pentachlorophenol	0.115	0.110	0.010	-3.9837	50.0
Phenanthrene	1.179	1.143	0.300	-3.0322	30.0
Anthracene	1.077	1.020	0.400	-5.3112	30.0
Fluoranthene	1.582	1.595	0.400	0.8116	30.0
Pyrene	1.691	1.709	0.500	1.0669	30.0
Benzo (a) anthracene	1.342	1.277	0.400	-4.7839	30.0
Chrysene	1.543	1.520	0.400	-1.4631	30.0
Benzo (b) fluoranthene	1.341	1.280	0.200	-4.5236	30.0
Benzo (k) fluoranthene	1.632	1.632	0.200	0.0005	30.0
Benzo (a) pyrene	1.417	1.371	0.200	-3.2096	30.0
Indeno (1,2,3-cd) pyrene	1.871	1.812	0.200	-3.1545	30.0
Dibenzo (a,h) anthracene	1.429	1.377	0.200	-3.6621	30.0
Benzo (g,h,i) perylene	1.672	1.650	0.200	-1.3421	30.0
Fluoranthene-d10	1.231	1.247	0.400	1.337	30.0
2-Methylnaphthalene-d10	0.553	0.569	0.300	2.9695	30.0

All other compounds must meet a minimum RRF of 0.010.



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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN031524 SAS No.: BN031524 SDG No.: BN031524

Instrument ID: BNA_N Calibration Date/Time: 3/15/2024 1: 22:26

Lab File ID: BN030423.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4360 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.531	0.512	0.010	-3.5807	50.0
1,4-Dioxane-d8	0.488	0.497	0.010	1.9341	50.0
Naphthalene	1.080	1.028	0.600	-4.7891	50.0
1-Methylnaphthalene	0.671	0.674	0.300	0.5388	50.0
2-Methylnaphthalene	0.632	0.630	0.300	-0.462	50.0
Acenaphthylene	1.907	1.842	0.900	-3.4083	50.0
Acenaphthene	1.397	1.357	0.500	-2.8236	50.0
Fluorene	1.537	1.539	0.700	0.1314	50.0
Pentachlorophenol	0.115	0.118	0.010	2.7925	50.0
Phenanthrene	1.179	1.161	0.300	-1.5401	50.0
Anthracene	1.077	1.041	0.400	-3.3748	50.0
Fluoranthene	1.582	1.508	0.400	-4.6679	50.0
Pyrene	1.691	1.622	0.500	-4.0493	50.0
Benzo (a) anthracene	1.342	1.307	0.400	-2.5748	50.0
Chrysene	1.543	1.513	0.400	-1.9634	50.0
Benzo (b) fluoranthene	1.341	1.328	0.200	-1.0134	50.0
Benzo (k) fluoranthene	1.632	1.573	0.200	-3.5999	50.0
Benzo (a) pyrene	1.417	1.364	0.200	-3.7254	50.0
Indeno (1,2,3-cd) pyrene	1.871	1.796	0.200	-4.0255	50.0
Dibenzo (a,h) anthracene	1.429	1.379	0.200	-3.4773	50.0
Benzo (g,h,i) perylene	1.672	1.612	0.200	-3.5935	50.0
Fluoranthene-d10	1.231	1.185	0.400	-3.7438	50.0
2-Methylnaphthalene-d10	0.553	0.550	0.300	-0.5223	50.0

All other compounds must meet a minimum RRF of 0.010.



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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BN031524 SAS No.: BN031524 SDG No.: BN031524
Instrument ID: BNA_N Calibration Date/Time: 3/14/2024 1: 22:49
Lab File ID: BN030409.D Init. Calib. Date(s): _____
EPA Sample No.: SICV201 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.531	0.491	0.010	-7.6071	40.0
1,4-Dioxane-d8	0.488	0.493	0.010	1.0423	40.0
Naphthalene	1.080	1.113	0.600	3.0873	30.0
1-Methylnaphthalene	0.671	0.659	0.300	-1.7381	30.0
2-Methylnaphthalene	0.632	0.657	0.300	3.8012	30.0
Acenaphthylene	1.907	1.934	0.900	1.4074	30.0
Acenaphthene	1.397	1.387	0.500	-0.7313	30.0
Fluorene	1.537	1.564	0.700	1.7205	30.0
Pentachlorophenol	0.115	0.105	0.010	-8.316	50.0
Phenanthrene	1.179	1.168	0.300	-0.9202	30.0
Anthracene	1.077	1.040	0.400	-3.464	30.0
Fluoranthene	1.582	1.563	0.400	-1.2333	30.0
Pyrene	1.691	1.694	0.500	0.2109	30.0
Benzo (a) anthracene	1.342	1.314	0.400	-2.0856	30.0
Chrysene	1.543	1.574	0.400	2.0091	30.0
Benzo (b) fluoranthene	1.341	1.366	0.200	1.8219	30.0
Benzo (k) fluoranthene	1.632	1.605	0.200	-1.671	30.0
Benzo (a) pyrene	1.417	1.390	0.200	-1.9149	30.0
Indeno (1,2,3-cd) pyrene	1.871	1.864	0.200	-0.4113	30.0
Dibenzo (a,h) anthracene	1.429	1.418	0.200	-0.8025	30.0
Benzo (g,h,i) perylene	1.672	1.604	0.200	-4.0505	30.0
Fluoranthene-d10	1.231	1.210	0.400	-1.714	30.0
2-Methylnaphthalene-d10	0.553	0.553	0.300	0.0019	30.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	SBLK426	SDG No.:	BN031524
Lab Sample ID:	PB159426BL	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
BN030412.D	1	3/4/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159426

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	0.706		15-120		88	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.35		30-130		88	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.259		30-130		65	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2602	7.603				
1146-65-2	Naphthalene-d8	5588	10.387				
15067-26-2	Acenaphthene-d10	3247	14.257				
1517-22-2	Phenanthrene-d10	5286	17.02				
1719-03-5	Chrysene-d12	5468	21.22				
1520-96-3	Perylene-d12	6137	23.429				



Report of Analysis

Client:		Date Collected:	3/4/2024 12:00:00 AM
Project:		Date Received:	3/4/2024 12:00:00 AM
Client Sample ID:	SBLK426	SDG No.:	BN031524
Lab Sample ID:	PB159426BL	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN030412.D	1	3/4/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-WATER-QT1-2024-01	SDG No.:	BN031524
Lab Sample ID:	P1601-01	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
BN030413.D	1	3/4/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.1	J	0.031	0	0.2	ug/L
91-20-3	Naphthalene	0.07	J	0.011	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.06	J	0.024	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.06	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	0.06	J	0.011	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.07	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	0.07	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	0.07	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	0.06	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	0.464	*	15-120		6	SPK: -8
93951-69-0	Fluoranthene-d10	0.406		30-130		101	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.322		30-130		81	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1588		7.607			
1146-65-2	Naphthalene-d8	3601		10.387			
15067-26-2	Acenaphthene-d10	2013		14.257			
1517-22-2	Phenanthrene-d10	3391		17.019			
1719-03-5	Chrysene-d12	3514		21.222			
1520-96-3	Perylene-d12	4072		23.432			



Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-WATER-QT1-2024-01	SDG No.:	BN031524
Lab Sample ID:	P1601-01	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
BN030413.D	1	3/4/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-SOIL-QT1-2024-01	SDG No.:	BN031524
Lab Sample ID:	P1601-03	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
BN030414.D	1	3/5/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.6	J	1.1	0	6.6	ug/Kg
91-20-3	Naphthalene	2.2	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	J	0.34	0.83	3.3	ug/Kg
208-96-8	Acenaphthylene	2.3	J	0.47	0.83	3.3	ug/Kg
83-32-9	Acenaphthene	2.4	J	0.39	0.83	3.3	ug/Kg
86-73-7	Fluorene	2.3	J	0.68	0.83	3.3	ug/Kg
87-86-5	Pentachlorophenol	2.6	J	1.4	1.7	6.7	ug/Kg
85-01-8	Phenanthrene	2.4	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	2.3	J	0.68	0.83	3.3	ug/Kg
129-00-0	Pyrene	2.4	J	0.52	0.83	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	2	J	0.42	0.83	3.3	ug/Kg
218-01-9	Chrysene	2.2	J	0.42	0.83	3.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	2.1	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	2.3	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	2.2	J	0.98	0.83	3.3	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.429	*	15-120		5	SPK: -8
93951-69-0	Fluoranthene-d10	0.41		30-130		102	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.338		20-140		84	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1718		7.603			
1146-65-2	Naphthalene-d8	3777		10.385			
15067-26-2	Acenaphthene-d10	2283		14.256			
1517-22-2	Phenanthrene-d10	4124		17.018			
1719-03-5	Chrysene-d12	4213		21.22			
1520-96-3	Perylene-d12	4869		23.427			



Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-SOIL-QT1-2024-01	SDG No.:	BN031524
Lab Sample ID:	P1601-03	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
BN030414.D	1	3/5/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	SBLK445	SDG No.:	BN031524
Lab Sample ID:	PB159445BL	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
BN030415.D	1	3/5/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1	U	1.1	0	6.6	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	0.748		15-120		94	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.321		30-130		80	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.236		20-140		59	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1546	7.607				
1146-65-2	Naphthalene-d8	3425	10.392				
15067-26-2	Acenaphthene-d10	1980	14.257				
1517-22-2	Phenanthrene-d10	3830	17.024				
1719-03-5	Chrysene-d12	3629	21.222				
1520-96-3	Perylene-d12	4078	23.429				



Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	SBLK445	SDG No.:	BN031524
Lab Sample ID:	PB159445BL	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
BN030415.D	1	3/5/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.1	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/15/2024 12:00:00 AM
Project:		Date Received:	3/15/2024 12:00:00 AM
Client Sample ID:	SBLK623	SDG No.:	BN031524
Lab Sample ID:	PB159623BL	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
BN030417.D	1	3/15/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159623

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	5.477		15-120		68	SPK: -8
93951-69-0	Fluoranthene-d10	0.336		30-130		84	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.318		30-130		79	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2721		7.594			
1146-65-2	Naphthalene-d8	7223		10.37			
15067-26-2	Acenaphthene-d10	4711		14.248			
1517-22-2	Phenanthrene-d10	10406		17.007			
1719-03-5	Chrysene-d12	7311		21.222			
1520-96-3	Perylene-d12	9249		23.426			



Report of Analysis

Client:		Date Collected:	3/15/2024 12:00:00 AM
Project:		Date Received:	3/15/2024 12:00:00 AM
Client Sample ID:	SBLK623	SDG No.:	BN031524
Lab Sample ID:	PB159623BL	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
BN030417.D	1	3/15/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	3/15/2024 12:00:00 AM
Project:		Date Received:	3/15/2024 12:00:00 AM
Client Sample ID:	SLCS623	SDG No.:	BN031524
Lab Sample ID:	PB159623BS	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
BN030418.D	1	3/15/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.8		0.031	0	0.2	ug/L
91-20-3	Naphthalene	0.32		0.011	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.33		0.024	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.33		0.011	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.32		0.014	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.33		0.013	0.05	0.1	ug/L
86-73-7	Fluorene	0.32		0.022	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.61		0.041	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.33		0.014	0.05	0.1	ug/L
120-12-7	Anthracene	0.32		0.011	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.36		0.022	0.05	0.1	ug/L
129-00-0	Pyrene	0.36		0.016	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.33		0.015	0.05	0.1	ug/L
218-01-9	Chrysene	0.35		0.014	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.34		0.004	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.36		0.019	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.35		0.012	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.33		0.023	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.33		0.026	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.34		0.025	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.725		15-120		91	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.375		30-130		94	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.335		30-130		84	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2304	7.602				
1146-65-2	Naphthalene-d8	5621	10.376				
15067-26-2	Acenaphthene-d10	3197	14.252				
1517-22-2	Phenanthrene-d10	5882	17.011				
1719-03-5	Chrysene-d12	4662	21.216				
1520-96-3	Perylene-d12	5075	23.423				



Report of Analysis

Client:		Date Collected:	3/15/2024 12:00:00 AM
Project:		Date Received:	3/15/2024 12:00:00 AM
Client Sample ID:	SLCS623	SDG No.:	BN031524
Lab Sample ID:	PB159623BS	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
BN030418.D	1	3/15/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	3/14/2024 12:00:00 AM
Project:		Date Received:	3/14/2024 12:00:00 AM
Client Sample ID:	C0AJ0	SDG No.:	BN031524
Lab Sample ID:	P1779-01	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
BN030419.D	1	3/15/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.4		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	6.383		15-120		80	SPK: -8
93951-69-0	Fluoranthene-d10	0.448		30-130		112	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.435		30-130		109	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1758		7.603			
1146-65-2	Naphthalene-d8	4133		10.374			
15067-26-2	Acenaphthene-d10	2432		14.251			
1517-22-2	Phenanthrene-d10	5315		17.006			
1719-03-5	Chrysene-d12	4533		21.217			
1520-96-3	Perylene-d12	7477		23.421			



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Report of Analysis

Client:		Date Collected:	3/14/2024 12:00:00 AM
Project:		Date Received:	3/14/2024 12:00:00 AM
Client Sample ID:	C0AJ0	SDG No.:	BN031524
Lab Sample ID:	P1779-01	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN030419.D	1	3/15/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	3/14/2024 12:00:00 AM
Project:		Date Received:	3/14/2024 12:00:00 AM
Client Sample ID:	C0AJ2	SDG No.:	BN031524
Lab Sample ID:	P1779-02	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
BN030420.D	1	3/15/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.87		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	4.374		15-120		55	SPK: -8
93951-69-0	Fluoranthene-d10	0.348		30-130		87	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.343		30-130		86	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1995		7.603			
1146-65-2	Naphthalene-d8	4802		10.374			
15067-26-2	Acenaphthene-d10	2813		14.251			
1517-22-2	Phenanthrene-d10	6278		17.01			
1719-03-5	Chrysene-d12	6171		21.217			
1520-96-3	Perylene-d12	9037		23.421			



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Report of Analysis

Client:		Date Collected:	3/14/2024 12:00:00 AM
Project:		Date Received:	3/14/2024 12:00:00 AM
Client Sample ID:	C0AJ2	SDG No.:	BN031524
Lab Sample ID:	P1779-02	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN030420.D	1	3/15/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.031	U			99	ug/L

Report of Analysis

Client:		Date Collected:	3/14/2024 12:00:00 AM
Project:		Date Received:	3/14/2024 12:00:00 AM
Client Sample ID:	C0AJ6	SDG No.:	BN031524
Lab Sample ID:	P1779-03	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN030421.D	1	3/15/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1		0.03	0	0.2	ug/L
91-20-3	Naphthalene	0.01	U	0.01	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	0.02	U	0.02	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.04	U	0.04	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	0.02	U	0.02	0.05	0.1	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.05	0.1	ug/L
218-01-9	Chrysene	0.01	U	0.01	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0	U	0	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.02	U	0.02	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.01	U	0.01	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	0.03	U	0.03	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.03	U	0.03	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.769		15-120		72	SPK: -8
93951-69-0	Fluoranthene-d10	0.44		30-130		110	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.402		30-130		100	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2107		7.603			
1146-65-2	Naphthalene-d8	5214		10.376			
15067-26-2	Acenaphthene-d10	2959		14.252			
1517-22-2	Phenanthrene-d10	6163		17.007			
1719-03-5	Chrysene-d12	5150		21.217			
1520-96-3	Perylene-d12	7892		23.423			



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Report of Analysis

Client:		Date Collected:	3/14/2024 12:00:00 AM
Project:		Date Received:	3/14/2024 12:00:00 AM
Client Sample ID:	C0AJ6	SDG No.:	BN031524
Lab Sample ID:	P1779-03	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN030421.D	1	3/15/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.03	U			99	ug/L

Report of Analysis

Client:		Date Collected:	3/14/2024 12:00:00 AM
Project:		Date Received:	3/14/2024 12:00:00 AM
Client Sample ID:	C0AJ8	SDG No.:	BN031524
Lab Sample ID:	P1779-04	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN030422.D	1	3/15/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.03	U	0.03	0	0.2	ug/L
91-20-3	Naphthalene	0.01	U	0.01	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	0.02	U	0.02	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.04	U	0.04	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	0.02	U	0.02	0.05	0.1	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.05	0.1	ug/L
218-01-9	Chrysene	0.01	U	0.01	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0	U	0	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.02	U	0.02	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.01	U	0.01	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	0.03	U	0.03	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.03	U	0.03	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.397		15-120		67	SPK: -8
93951-69-0	Fluoranthene-d10	0.465		30-130		116	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	2089		7.602			
1146-65-2	Naphthalene-d8	5089		10.376			
15067-26-2	Acenaphthene-d10	2937		14.252			
1517-22-2	Phenanthrene-d10	6282		17.007			
1719-03-5	Chrysene-d12	4779		21.219			
1520-96-3	Perylene-d12	7049		23.423			



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Report of Analysis

Client:		Date Collected:	3/14/2024 12:00:00 AM
Project:		Date Received:	3/14/2024 12:00:00 AM
Client Sample ID:	C0AJ8	SDG No.:	BN031524
Lab Sample ID:	P1779-04	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN030422.D	1	3/15/2024 12:00:00 AM	3/15/2024 12:00:00 AM	PB159623

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.03	U			99	ug/L

Hit Summary Sheet

SW-846

SDG No.: BN031524

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MDL-WATER-QT1-2024-01							
P1601-01	MDL-WATER-QT1-2024 Water	Total Alkanes	*	0.000	0.031	0.2	ug/L
		Total Tics :			0.00		
P1601-01	MDL-WATER-QT1-2024 Water	1,4-Dioxane		0.100 J	0.031	0.2	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	1-Methylnaphthalene		0.060 J	0.024	0.1	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	2-Methylnaphthalene		0.060 J	0.011	0.1	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	Acenaphthene		0.070 J	0.013	0.1	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	Acenaphthylene		0.070 J	0.014	0.1	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	Anthracene		0.060 J	0.011	0.1	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	Benzo(a)anthracene		0.060 J	0.015	0.1	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	Benzo(a)pyrene		0.070 J	0.012	0.1	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	Benzo(b)fluoranthene		0.070 J	0.004	0.1	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	Benzo(g,h,i)perylene		0.070 J	0.025	0.1	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	Benzo(k)fluoranthene		0.070 J	0.019	0.1	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	Chrysene		0.070 J	0.014	0.1	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	Dibenzo(a,h)anthracene		0.060 J	0.026	0.1	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	Fluoranthene		0.070 J	0.022	0.1	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	Fluorene		0.070 J	0.022	0.1	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	Indeno(1,2,3-cd)pyrene		0.070 J	0.023	0.1	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	Naphthalene		0.070 J	0.011	0.1	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	Pentachlorophenol		0.080 J	0.041	0.2	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	Phenanthrene		0.070 J	0.014	0.1	ug/L
P1601-01	MDL-WATER-QT1-2024 Water	Pyrene		0.070 J	0.016	0.1	ug/L
		Total Svoc :			1.39		
		Total Concentration:			1.39		
Client ID : MDL-SOIL-QT1-2024-01							
P1601-03	MDL-SOIL-QT1-2024-0 Solid	Total Alkanes	*	0.000	1.1	6.6	ug/Kg
		Total Tics :			0.00		
P1601-03	MDL-SOIL-QT1-2024-0 Solid	1,4-Dioxane		2.600 J	1.1	6.6	ug/Kg
P1601-03	MDL-SOIL-QT1-2024-0 Solid	1-Methylnaphthalene		2.200 J	0.85	3.3	ug/Kg
P1601-03	MDL-SOIL-QT1-2024-0 Solid	2-Methylnaphthalene		2.000 J	0.34	3.3	ug/Kg
P1601-03	MDL-SOIL-QT1-2024-0 Solid	Acenaphthene		2.400 J	0.39	3.3	ug/Kg
P1601-03	MDL-SOIL-QT1-2024-0 Solid	Acenaphthylene		2.300 J	0.47	3.3	ug/Kg
P1601-03	MDL-SOIL-QT1-2024-0 Solid	Anthracene		2.200 J	0.52	3.3	ug/Kg
P1601-03	MDL-SOIL-QT1-2024-0 Solid	Benzo(a)anthracene		2.000 J	0.42	3.3	ug/Kg
P1601-03	MDL-SOIL-QT1-2024-0 Solid	Benzo(a)pyrene		2.300 J	0.36	3.3	ug/Kg
P1601-03	MDL-SOIL-QT1-2024-0 Solid	Benzo(b)fluoranthene		2.100 J	0.21	3.3	ug/Kg
P1601-03	MDL-SOIL-QT1-2024-0 Solid	Benzo(g,h,i)perylene		2.200 J	0.98	3.3	ug/Kg
P1601-03	MDL-SOIL-QT1-2024-0 Solid	Benzo(k)fluoranthene		2.100 J	0.39	3.3	ug/Kg
P1601-03	MDL-SOIL-QT1-2024-0 Solid	Chrysene		2.200 J	0.42	3.3	ug/Kg

Hit Summary Sheet

SW-846

SDG No.: BN031524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1601-03	MDL-SOIL-QT1-2024-0	Solid	Dibenzo(a,h)anthracene	2.100	J	0.89	3.3	ug/Kg
P1601-03	MDL-SOIL-QT1-2024-0	Solid	Fluoranthene	2.300	J	0.68	3.3	ug/Kg
P1601-03	MDL-SOIL-QT1-2024-0	Solid	Fluorene	2.300	J	0.68	3.3	ug/Kg
P1601-03	MDL-SOIL-QT1-2024-0	Solid	Indeno(1,2,3-cd)pyrene	2.100	J	0.86	3.3	ug/Kg
P1601-03	MDL-SOIL-QT1-2024-0	Solid	Naphthalene	2.200	J	0.37	3.3	ug/Kg
P1601-03	MDL-SOIL-QT1-2024-0	Solid	Pentachlorophenol	2.600	J	1.4	6.7	ug/Kg
P1601-03	MDL-SOIL-QT1-2024-0	Solid	Phenanthrene	2.400	J	0.51	3.3	ug/Kg
P1601-03	MDL-SOIL-QT1-2024-0	Solid	Pyrene	2.400	J	0.52	3.3	ug/Kg
Total Svoc :				45.00				
Total Concentration:				45.00				
Client ID :	C0AJ0							
P1779-01	C0AJ0	Water	Total Alkanes	*	0.000	0.031	0.2	ug/L
Total Tics :				0.00				
P1779-01	C0AJ0	Water	1,4-Dioxane	1.400	0.031	0.2	ug/L	
Total Svoc :				1.40				
Total Concentration:				1.40				
Client ID :	C0AJ2							
P1779-02	C0AJ2	Water	Total Alkanes	*	0.000	0.031	0.2	ug/L
Total Tics :				0.00				
P1779-02	C0AJ2	Water	1,4-Dioxane	0.870	0.031	0.2	ug/L	
Total Svoc :				0.87				
Total Concentration:				0.87				
Client ID :	C0AJ6							
P1779-03	C0AJ6	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L
Total Tics :				0.00				
P1779-03	C0AJ6	Water	1,4-Dioxane	1.100	0.03	0.2	ug/L	
Total Svoc :				1.10				
Total Concentration:				1.10				
Client ID :	C0AJ8							
P1779-04	C0AJ8	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L
Total Tics :				0.00				
Total Concentration:				0.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN031524

SAS No.: BN031524

SDG No.: BN031524

Instrument ID: _____

Calibration Date(s): 3/14/2024 : _____

Calibration Time(s): 19:12 _____

LAB FILE ID:		RRFAL1 = BN030403.D			RRFAL2 = BN030404.D		RRFAL3 = BN030405.D	
		RRFAL4 = BN030406.D			RRFAL5 = BN030407.D		RRFAL6 = BN030408.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane		0.623	0.510	0.515	0.496	0.511	0.531	9.7
1,4-Dioxane-d8		0.537	0.476	0.492	0.461	0.473	0.488	6.1
Naphthalene	1.091	1.079	1.073	1.101	1.055		1.080	1.6
1-Methylnaphthalene	0.625	0.648	0.673	0.716	0.691		0.671	5.3
2-Methylnaphthalene	0.551	0.596	0.634	0.696	0.685		0.632	9.6
Acenaphthylene	1.952	1.911	1.838	1.943	1.890		1.907	2.4
Acenaphthene	1.460	1.405	1.347	1.409	1.363		1.397	3.2
Fluorene	1.524	1.503	1.481	1.615	1.564		1.537	3.5
Pentachlorophenol		0.113	0.101	0.116	0.119	0.127	0.115	8.3
Phenanthrene	1.211	1.194	1.151	1.186	1.151		1.179	2.3
Anthracene	1.089	1.089	1.042	1.090	1.077		1.077	1.9
Fluoranthene	1.572	1.594	1.574	1.608	1.563		1.582	1.2
Pyrene	1.727	1.745	1.675	1.692	1.613		1.691	3.0
Benzo(a)anthracene	1.293	1.329	1.285	1.402	1.398		1.342	4.2
Chrysene	1.566	1.574	1.482	1.581	1.512		1.543	2.8
Benzo(b)fluoranthene	1.335	1.301	1.297	1.400	1.374		1.341	3.4
Benzo(k)fluoranthene	1.694	1.670	1.587	1.614	1.595		1.632	2.9
Benzo(a)pyrene	1.503	1.388	1.380	1.421	1.391		1.417	3.6
Indeno(1,2,3-cd)pyrene	1.892	1.874	1.820	1.895	1.876		1.871	1.6
Dibenzo(a,h)anthracene	1.395	1.424	1.395	1.464	1.467		1.429	2.5
Benzo(g,h,i)perylene	1.702	1.708	1.645	1.670	1.635		1.672	2.0
Fluoranthene-d10	1.227	1.245	1.231	1.245	1.206		1.231	1.3
2-Methylnaphthalene-d10	0.470	0.514	0.562	0.616	0.602		0.553	11.1

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: CHEMTECHLab Code: CHEM Case No.: BN031524 SAS No.: BN031524 SDG NO.: BN031524EPA Sample No.: SSTD0.4246 Date Analyzed: Mar 14 2024 12:00AMLab File ID: BN030405.D Time Analyzed: 22:49Instrument 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	1755	7.608	3947	10.38	2264	14.25
UPPER LIMIT	3510	8.108	7894	10.883	4528	14.754
LOWER LIMIT	877.5	7.108	1973.5	9.883	1132	13.754
EPA SAMPLE NO.						
01 SICV201	1867	7.60	4210	10.38	2426	14.25
02 SBLK426	2602	7.60	5588	10.39	3247	14.26
03 MDL-WATER-QT1-2024-01	1588	7.61	3601	10.39	2013	14.26
04 MDL-SOIL-QT1-2024-01	1718	7.60	3777	10.39	2283	14.26
05 SBLK445	1546	7.61	3425	10.39	1980	14.26
06 SBLK623	2721	7.59	7223	10.37	4711 *	14.25
07 SLCS623	2304	7.60	5621	10.38	3197	14.25
08 C0AJ0	1758	7.60	4133	10.37	2432	14.25
09 C0AJ2	1995	7.60	4802	10.37	2813	14.25
10 C0AJ6	2107	7.60	5214	10.38	2959	14.25
11 C0AJ8	2089	7.60	5089	10.38	2937	14.25

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN031524 SAS No.: BN031524 SDG NO.: BN031524

EPA Sample No.: SSTD0.4358 Date Analyzed: Mar 15 2024 12:00AM

Lab File ID: BN030411.D Time Analyzed: 10:20

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	2301	7.604	5742	10.38	3290	14.25
UPPER LIMIT	4602	8.104	11484	10.877	6580	14.754
LOWER LIMIT	1150.5	7.104	2871	9.877	1645	13.754
EPA SAMPLE NO.						
01 SBLK426	2602	7.60	5588	10.39	3247	14.26
02 MDL-WATER-QT1-2024-01	1588	7.61	3601	10.39	2013	14.26
03 MDL-SOIL-QT1-2024-01	1718	7.60	3777	10.39	2283	14.26
04 SBLK445	1546	7.61	3425	10.39	1980	14.26

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN031524 SAS No.: BN031524 SDG NO.: BN031524

EPA Sample No.: SSTD0.4359 Date Analyzed: Mar 15 2024 12:00AM

Lab File ID: BN030416.D Time Analyzed: 18:13

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	1841	7.598	4607	10.38	2700	14.25
UPPER LIMIT	3682	8.098	9214	10.876	5400	14.752
LOWER LIMIT	920.5	7.098	2303.5	9.876	1350	13.752
EPA SAMPLE NO.						
01 SBLK623	2721	7.59	7223	10.37	4711	14.25
02 SLCS623	2304	7.60	5621	10.38	3197	14.25
03 C0AJ0	1758	7.60	4133	10.37	2432	14.25
04 C0AJ2	1995	7.60	4802	10.37	2813	14.25
05 C0AJ6	2107	7.60	5214	10.38	2959	14.25
06 C0AJ8	2089	7.60	5089	10.38	2937	14.25

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN031524 SAS No.: BN031524 SDG NO.: BN031524

EPA Sample No.: SSTD0.4246 Date Analyzed: Mar 14 2024 12:00AM

Lab File ID: BN030405.D Time Analyzed: 22:49

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	4302	17.013	3730	21.215	4309	23.422
UPPER LIMIT	8604	17.513	7460	21.715	8618	23.922
LOWER LIMIT	2151	16.513	1865	20.715	2154.5	22.922
EPA SAMPLE NO.						
01 SICV201	4856	17.01	4417	21.22	5159	23.43
02 SBLK426	5286	17.02	5468	21.22	6137	23.43
03 MDL-WATER-QT1-2024-01	3391	17.02	3514	21.22	4072	23.43
04 MDL-SOIL-QT1-2024-01	4124	17.02	4213	21.22	4869	23.43
05 SBLK445	3830	17.02	3629	21.22	4078	23.43
06 SBLK623	10406 *	17.01	7311	21.22	9249 *	23.43
07 SLCS623	5882	17.01	4662	21.22	5075	23.42
08 C0AJ0	5315	17.01	4533	21.22	7477	23.42
09 C0AJ2	6278	17.01	6171	21.22	9037 *	23.42
10 C0AJ6	6163	17.01	5150	21.22	7892	23.42
11 C0AJ8	6282	17.01	4779	21.22	7049	23.42

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN031524 SAS No.: BN031524 SDG NO.: BN031524

EPA Sample No.: SSTD0.4358

Date Analyzed: Mar 15 2024 12:00AM

Lab File ID: BN030411.D

Time Analyzed: 10:20

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	6629	17.013	5930	21.218	6686	23.428
UPPER LIMIT	13258	17.513	11860	21.718	13372	23.928
LOWER LIMIT	3314.5	16.513	2965	20.718	3343	22.928
EPA SAMPLE NO.						
01 SBLK426	5286	17.02	5468	21.22	6137	23.43
02 MDL-WATER-QT1-2024-01	3391	17.02	3514	21.22	4072	23.43
03 MDL-SOIL-QT1-2024-01	4124	17.02	4213	21.22	4869	23.43
04 SBLK445	3830	17.02	3629	21.22	4078	23.43

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.: BN031524 SAS No.: BN031524 SDG NO.: BN031524

EPA Sample No.: SSTD0.4359

Date Analyzed: Mar 15 2024 12:00AM

Lab File ID: BN030416.D

Time Analyzed: 18:13

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	5135	17.011	4276	21.217	4824	23.429
UPPER LIMIT	10270	17.511	8552	21.717	9648	23.929
LOWER LIMIT	2567.5	16.511	2138	20.717	2412	22.929
EPA SAMPLE NO.						
01 SBLK623	10406 *	17.01	7311	21.22	9249	23.43
02 SLCS623	5882	17.01	4662	21.22	5075	23.42
03 C0AJ0	5315	17.01	4533	21.22	7477	23.42
04 C0AJ2	6278	17.01	6171	21.22	9037	23.42
05 C0AJ6	6163	17.01	5150	21.22	7892	23.42
06 C0AJ8	6282	17.01	4779	21.22	7049	23.42

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.: BN031524

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	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BN031524

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159623BS	1,4-Dioxane	2	1.8	ug/L	90				0	0		
	Naphthalene	0.4	0.32	ug/L	80				0	0		
	1-Methylnaphthalene	0.4	0.33	ug/L	83				0	0		
	2-Methylnaphthalene	0.4	0.33	ug/L	83				0	0		
	Acenaphthylene	0.4	0.32	ug/L	80				0	0		
	Acenaphthene	0.4	0.33	ug/L	83				0	0		
	Fluorene	0.4	0.32	ug/L	80				0	0		
	Pentachlorophenol	0.8	0.61	ug/L	76				0	0		
	Phenanthrene	0.4	0.33	ug/L	83				0	0		
	Anthracene	0.4	0.32	ug/L	80				0	0		
	Fluoranthene	0.4	0.36	ug/L	90				0	0		
	Pyrene	0.4	0.36	ug/L	90				0	0		
	Benzo(a)anthracene	0.4	0.33	ug/L	83				0	0		
	Chrysene	0.4	0.35	ug/L	88				0	0		
	Benzo(b)fluoranthene	0.4	0.34	ug/L	85				0	0		
	Benzo(k)fluoranthene	0.4	0.36	ug/L	90				0	0		
	Benzo(a)pyrene	0.4	0.35	ug/L	88				0	0		
	Indeno(1,2,3-cd)pyrene	0.4	0.33	ug/L	83				0	0		
	Dibenzo(a,h)anthracene	0.4	0.33	ug/L	83				0	0		
	Benzo(g,h,i)perylene	0.4	0.34	ug/L	85				0	0		



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK426

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BN031524

SAS No.: BN031524 SDG NO.: BN031524

Lab File ID: BN030412.D

Lab Sample ID: PB159426BL

Instrument ID: BNA_N

Date Extracted: 03/04/2024

Matrix: (soil/water) Water

Date Analyzed: 03/15/2024

Level: (low/med) LOW

Time Analyzed: 10:20

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MDL-WATER-QT1-2024-01	P1601-01	BN030413.D	03/15/2024

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK445

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN031524SAS No.: BN031524 SDG NO.: BN031524Lab File ID: BN030415.DLab Sample ID: PB159445BLInstrument ID: BNA_NDate Extracted: 03/05/2024Matrix: (soil/water) SolidDate Analyzed: 03/15/2024Level: (low/med) LOWTime Analyzed: 12:11

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MDL-SOIL-QT1-2024-01	P1601-03	BN030414.D	03/15/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK623

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN031524SAS No.: BN031524 SDG NO.: BN031524Lab File ID: BN030417.DLab Sample ID: PB159623BLInstrument ID: BNA_NDate Extracted: 03/15/2024Matrix: (soil/water) WaterDate Analyzed: 03/15/2024Level: (low/med) LOWTime Analyzed: 18:13

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159623BS	PB159623BS	BN030418.D	03/15/2024
C0AJ0	P1779-01	BN030419.D	03/15/2024
C0AJ2	P1779-02	BN030420.D	03/15/2024
C0AJ6	P1779-03	BN030421.D	03/15/2024
C0AJ8	P1779-04	BN030422.D	03/15/2024

COMMENTS: _____



Surrogate Summary
SW-846

SDG No.: BN031524

Client:

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1601-01	MDL-WATER-QT1	BN030413.D	1,4-Dioxane-d8	8	0.46	6	*	15	120
			Fluoranthene-d10	0.4	0.41	101		30	130
			2-Methylnaphthalene-d10	0.4	0.32	81		30	130
PB159426BL	PB159426BL	BN030412.D	1,4-Dioxane-d8	0.8	0.71	88		15	120
			Fluoranthene-d10	0.4	0.35	88		30	130
			2-Methylnaphthalene-d10	0.4	0.26	65		30	130



Surrogate Summary
SW-846

SDG No.: BN031524

Client:

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1601-03	MDL-SOIL-QT1-2(BN030414.D		1,4-Dioxane-d8	8	0.43	5	*	15	120
			Fluoranthene-d10	0.4	0.41	102		30	130
			2-Methylnaphthalene-d10	0.4	0.34	84		20	140
PB159445BL	PB159445BL	BN030415.D	1,4-Dioxane-d8	0.8	0.75	94		15	120
			Fluoranthene-d10	0.4	0.32	80		30	130
			2-Methylnaphthalene-d10	0.4	0.24	59		20	140



Surrogate Summary
SW-846

SDG No.: BN031524

Client:

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1779-01	C0AJ0	BN030419.D	1,4-Dioxane-d8	8	6.38	80		15	120
			Fluoranthene-d10	0.4	0.45	112		30	130
			2-Methylnaphthalene-d10	0.4	0.44	109		30	130
P1779-02	C0AJ2	BN030420.D	1,4-Dioxane-d8	8	4.37	55		15	120
			Fluoranthene-d10	0.4	0.35	87		30	130
			2-Methylnaphthalene-d10	0.4	0.34	86		30	130
P1779-03	C0AJ6	BN030421.D	1,4-Dioxane-d8	8	5.77	72		15	120
			Fluoranthene-d10	0.4	0.44	110		30	130
			2-Methylnaphthalene-d10	0.4	0.40	100		30	130
P1779-04	C0AJ8	BN030422.D	1,4-Dioxane-d8	8	5.40	67		15	120
			Fluoranthene-d10	0.4	0.47	116		30	130
			2-Methylnaphthalene-d10	0.4	0.41	102		30	130
PB159623BL	PB159623BL	BN030417.D	1,4-Dioxane-d8	8	5.48	68		15	120
			Fluoranthene-d10	0.4	0.34	84		30	130
			2-Methylnaphthalene-d10	0.4	0.32	79		30	130
PB159623BS	PB159623BS	BN030418.D	1,4-Dioxane-d8	0.8	0.73	91		15	120
			Fluoranthene-d10	0.4	0.38	94		30	130
			2-Methylnaphthalene-d10	0.4	0.34	84		30	130



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BN031524Lab Code: CHEMSAS No.: BN031524 SDG NO.: BN031524Lab File ID: BN030402.DDFTPP Injection Date: 03/14/2024Instrument ID: BNA_NDFTPP Injection Time: 18:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.1
68	Less than 2.0% of mass 69	0.8 (1.8) 1
69	Mass 69 relative abundance	42.8
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	43.8
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 60.0% of mass 198	29.3
365	Greater than 1% of mass 198	5.7
441	Present, but less than mass 443	11.8
442	Greater than 50% of mass 198	68.5
443	15.0 - 24.0% of mass 442	12.7 (18.6) 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
SSTD0.1244	SSTD0.168	BN030403.D	03/14/2024	19:12
SSTD0.2245	SSTD0.269	BN030404.D	03/14/2024	19:49
SSTD0.4246	SSTD0.470	BN030405.D	03/14/2024	20:25
SSTD0.8247	SSTD0.871	BN030406.D	03/14/2024	21:01
SSTD1.6248	SSTD1.672	BN030407.D	03/14/2024	21:37
SSTD3.2249	SSTD3.273	BN030408.D	03/14/2024	22:13
SICV201	SSTDICV0.4	BN030409.D	03/14/2024	22:49



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BN031524Lab Code: CHEMSAS No.: BN031524 SDG NO.: BN031524Lab File ID: BN030410.DDFTPP Injection Date: 03/15/2024Instrument ID: BNA_NDFTPP Injection Time: 08:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.9
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	40.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	40.8
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	29.9
365	Greater than 1% of mass 198	5
441	Present, but less than mass 443	10.3
442	Greater than 50% of mass 198	72.9
443	15.0 - 24.0% of mass 442	12.4 (16.9) 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
SSTD0.4358	SSTDCCC0.4	BN030411.D	03/15/2024	09:44
SBLK426	PB159426BL	BN030412.D	03/15/2024	10:20
MDL-WATER-QT1-2024-01	P1601-01	BN030413.D	03/15/2024	10:57
MDL-SOIL-QT1-2024-01	P1601-03	BN030414.D	03/15/2024	11:34
SBLK445	PB159445BL	BN030415.D	03/15/2024	12:11
SSTD0.4359	SSTDCCC0.4	BN030416.D	03/15/2024	13:26
SBLK623	PB159623BL	BN030417.D	03/15/2024	18:13
SLCS623	PB159623BS	BN030418.D	03/15/2024	18:49
C0AJ0	P1779-01	BN030419.D	03/15/2024	19:25
C0AJ2	P1779-02	BN030420.D	03/15/2024	20:01
C0AJ6	P1779-03	BN030421.D	03/15/2024	20:37
C0AJ8	P1779-04	BN030422.D	03/15/2024	21:14
SSTD0.4360	SSTDCCC0.4EC	BN030423.D	03/15/2024	22:26