



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BN032524 SAS No.: BN032524 SDG No.: BN032524
Instrument ID: BNA_N Calibration Date/Time: 3/25/2024 1:16:21
Lab File ID: BN030483.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD0.4363 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.486	0.529	0.010	8.8449	40.0
1,4-Dioxane-d8	0.470	0.510	0.010	8.5921	40.0
Naphthalene	1.141	1.175	0.600	2.9782	30.0
1-Methylnaphthalene	0.783	0.809	0.300	3.3811	30.0
2-Methylnaphthalene	0.739	0.764	0.300	3.3251	30.0
Acenaphthylene	2.028	2.009	0.900	-0.9328	30.0
Acenaphthene	1.562	1.583	0.500	1.3475	30.0
Fluorene	1.788	1.804	0.700	0.9022	30.0
Pentachlorophenol	0.075	0.072	0.010	-4.3973	50.0
Phenanthrene	1.343	1.351	0.300	0.569	30.0
Anthracene	1.135	1.141	0.400	0.5305	30.0
Fluoranthene	1.903	2.020	0.400	6.1564	30.0
Pyrene	1.879	2.007	0.500	6.8545	30.0
Benzo(a)anthracene	1.649	1.622	0.400	-1.6885	30.0
Chrysene	1.744	1.776	0.400	1.8339	30.0
Benzo(b)fluoranthene	1.892	1.893	0.200	0.0641	30.0
Benzo(k)fluoranthene	1.933	2.017	0.200	4.3448	30.0
Benzo(a)pyrene	1.515	1.542	0.200	1.7697	30.0
Indeno(1,2,3-cd)pyrene	1.837	1.882	0.200	2.4913	30.0
Dibenzo(a,h)anthracene	1.467	1.521	0.200	3.6479	30.0
Benzo(g,h,i)perylene	1.590	1.591	0.200	0.0717	30.0
Fluoranthene-d10	1.248	1.342	0.400	7.5443	30.0
2-Methylnaphthalene-d10	0.564	0.583	0.300	3.539	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.: BN032524 SAS No.: BN032524 SDG No.: BN032524

Instrument ID: BNA_N Calibration Date/Time: 3/26/2024 1:00:47

Lab File ID: BN030496.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD0.4364 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.486	0.502	0.010	3.3527	50.0
1,4-Dioxane-d8	0.470	0.484	0.010	2.8774	50.0
Naphthalene	1.141	1.164	0.600	2.0181	50.0
1-Methylnaphthalene	0.783	0.805	0.300	2.8854	50.0
2-Methylnaphthalene	0.739	0.760	0.300	2.859	50.0
Acenaphthylene	2.028	2.050	0.900	1.1001	50.0
Acenaphthene	1.562	1.587	0.500	1.6051	50.0
Fluorene	1.788	1.823	0.700	1.9714	50.0
Pentachlorophenol	0.075	0.073	0.010	-2.8335	50.0
Phenanthrene	1.343	1.357	0.300	0.997	50.0
Anthracene	1.135	1.142	0.400	0.6288	50.0
Fluoranthene	1.903	2.031	0.400	6.7254	50.0
Pyrene	1.879	1.990	0.500	5.9344	50.0
Benzo(a)anthracene	1.649	1.625	0.400	-1.4765	50.0
Chrysene	1.744	1.785	0.400	2.34	50.0
Benzo(b)fluoranthene	1.892	1.789	0.200	-5.4565	50.0
Benzo(k)fluoranthene	1.933	1.972	0.200	2.0322	50.0
Benzo(a)pyrene	1.515	1.465	0.200	-3.3315	50.0
Indeno(1,2,3-cd)pyrene	1.837	1.832	0.200	-0.2273	50.0
Dibenzo(a,h)anthracene	1.467	1.468	0.200	0.0209	50.0
Benzo(g,h,i)perylene	1.590	1.443	0.200	-9.25	50.0
Fluoranthene-d10	1.248	1.341	0.400	7.4596	50.0
2-Methylnaphthalene-d10	0.564	0.579	0.300	2.6809	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.: BN032524 SAS No.: BN032524 SDG No.: BN032524
Instrument ID: BNA_N Calibration Date/Time: 3/25/2024 1:13:51
Lab File ID: BN030479.D Init. Calib. Date(s): _____
EPA Sample No.: SICV208 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.486	0.498	0.010	2.5446	40.0
1,4-Dioxane-d8	0.470	0.449	0.010	-4.5712	40.0
Naphthalene	1.141	1.222	0.600	7.1556	30.0
1-Methylnaphthalene	0.783	0.755	0.300	-3.5247	30.0
2-Methylnaphthalene	0.739	0.807	0.300	9.2332	30.0
Acenaphthylene	2.028	2.155	0.900	6.2528	30.0
Acenaphthene	1.562	1.613	0.500	3.2758	30.0
Fluorene	1.788	1.865	0.700	4.3455	30.0
Pentachlorophenol	0.075	0.071	0.010	-6.2485	50.0
Phenanthrene	1.343	1.388	0.300	3.2962	30.0
Anthracene	1.135	1.152	0.400	1.5553	30.0
Fluoranthene	1.903	2.024	0.400	6.3501	30.0
Pyrene	1.879	2.021	0.500	7.5783	30.0
Benzo(a)anthracene	1.649	1.631	0.400	-1.0906	30.0
Chrysene	1.744	1.841	0.400	5.5701	30.0
Benzo(b)fluoranthene	1.892	1.803	0.200	-4.7423	30.0
Benzo(k)fluoranthene	1.933	1.986	0.200	2.7233	30.0
Benzo(a)pyrene	1.515	1.438	0.200	-5.1082	30.0
Indeno(1,2,3-cd)pyrene	1.837	1.896	0.200	3.2205	30.0
Dibenzo(a,h)anthracene	1.467	1.538	0.200	4.8446	30.0
Benzo(g,h,i)perylene	1.590	1.501	0.200	-5.5925	30.0
Fluoranthene-d10	1.248	1.261	0.400	1.073	30.0
2-Methylnaphthalene-d10	0.564	0.560	0.300	-0.5429	30.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	SBLK745	SDG No.:	BN032524
Lab Sample ID:	PB159745BL	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
BN030480.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159745

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	4.818		15-120		60	SPK: -8
93951-69-0	Fluoranthene-d10	0.302		30-130		75	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.25		30-130		63	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9381	7.729				
1146-65-2	Naphthalene-d8	27712	10.513				
15067-26-2	Acenaphthene-d10	15546	14.363				
1517-22-2	Phenanthrene-d10	35599	17.112				
1719-03-5	Chrysene-d12	22574	21.304				
1520-96-3	Perylene-d12	20113	23.554				



Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	SBLK745	SDG No.:	BN032524
Lab Sample ID:	PB159745BL	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
BN030480.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159745

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:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	E0LY0	SDG No.:	BN032524
Lab Sample ID:	P1813-12	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
BN030481.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159745

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	3.821		15-120		48	SPK: -8
93951-69-0	Fluoranthene-d10	0.312		30-130		78	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.238		30-130		60	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9104		7.729			
1146-65-2	Naphthalene-d8	26818		10.513			
15067-26-2	Acenaphthene-d10	15094		14.363			
1517-22-2	Phenanthrene-d10	35035		17.108			
1719-03-5	Chrysene-d12	25753		21.304			
1520-96-3	Perylene-d12	21533		23.554			



Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	E0LY0	SDG No.:	BN032524
Lab Sample ID:	P1813-12	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
BN030481.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159745

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:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	E0LY1	SDG No.:	BN032524
Lab Sample ID:	P1813-13	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
BN030482.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159745

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	4.104		15-120		51	SPK: -8
93951-69-0	Fluoranthene-d10	0.36		30-130		90	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.275		30-130		69	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9639		7.728			
1146-65-2	Naphthalene-d8	28354		10.511			
15067-26-2	Acenaphthene-d10	16041		14.366			
1517-22-2	Phenanthrene-d10	36832		17.111			
1719-03-5	Chrysene-d12	26273		21.304			
1520-96-3	Perylene-d12	21492		23.555			



Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	E0LY1	SDG No.:	BN032524
Lab Sample ID:	P1813-13	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	980	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
BN030482.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159745

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:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	SBLK745	SDG No.:	BN032524
Lab Sample ID:	PB159745BL	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
BN030484.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159745

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	4.794		15-120		60	SPK: -8
93951-69-0	Fluoranthene-d10	0.303		30-130		76	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.251		30-130		63	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9842	7.728				
1146-65-2	Naphthalene-d8	29411	10.513				
15067-26-2	Acenaphthene-d10	16478	14.363				
1517-22-2	Phenanthrene-d10	37340	17.112				
1719-03-5	Chrysene-d12	23422	21.304				
1520-96-3	Perylene-d12	20992	23.554				



Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	SBLK745	SDG No.:	BN032524
Lab Sample ID:	PB159745BL	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
BN030484.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159745

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:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	SBLK747	SDG No.:	BN032524
Lab Sample ID:	PB159747BL	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
BN030485.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159747

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	6.142		15-120		77	SPK: -8
93951-69-0	Fluoranthene-d10	0.396		30-130		99	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.319		30-130		80	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8971		7.728			
1146-65-2	Naphthalene-d8	26714		10.513			
15067-26-2	Acenaphthene-d10	14935		14.363			
1517-22-2	Phenanthrene-d10	33811		17.112			
1719-03-5	Chrysene-d12	20910		21.301			
1520-96-3	Perylene-d12	17835		23.554			



Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	SBLK747	SDG No.:	BN032524
Lab Sample ID:	PB159747BL	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
BN030485.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159747

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:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	E0LX8	SDG No.:	BN032524
Lab Sample ID:	P1813-10	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
BN030486.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159745

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	0.12		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	0.03	J	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	3.886		15-120		49	SPK: -8
93951-69-0	Fluoranthene-d10	0.315		30-130		79	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.249		30-130		62	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	10470		7.728			
1146-65-2	Naphthalene-d8	32188		10.513			
15067-26-2	Acenaphthene-d10	18816		14.364			
1517-22-2	Phenanthrene-d10	44673		17.109			
1719-03-5	Chrysene-d12	33617		21.305			
1520-96-3	Perylene-d12	27766		23.555			



Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	E0LX8	SDG No.:	BN032524
Lab Sample ID:	P1813-10	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
BN030486.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159745

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:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	E0LX9	SDG No.:	BN032524
Lab Sample ID:	P1813-11	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
BN030487.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159745

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	3.991		15-120		50	SPK: -8
93951-69-0	Fluoranthene-d10	0.378		30-130		94	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.336		30-130		84	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	11285	7.729				
1146-65-2	Naphthalene-d8	36030	10.513				
15067-26-2	Acenaphthene-d10	23431	14.363				
1517-22-2	Phenanthrene-d10	49539	17.112				
1719-03-5	Chrysene-d12	34100	21.304				
1520-96-3	Perylene-d12	26123	23.554				



Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	E0LX9	SDG No.:	BN032524
Lab Sample ID:	P1813-11	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
BN030487.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159745

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:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	E0LY2	SDG No.:	BN032524
Lab Sample ID:	P1813-14	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
BN030488.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159745

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	J	0.04	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.02	J	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	J	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	0.03	J	0	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.02	J	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	J	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	4.19		15-120		52	SPK: -8
93951-69-0	Fluoranthene-d10	0.342		30-130		86	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.283		30-130		71	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9936		7.728			
1146-65-2	Naphthalene-d8	31553		10.512			
15067-26-2	Acenaphthene-d10	18745		14.364			
1517-22-2	Phenanthrene-d10	43673		17.113			
1719-03-5	Chrysene-d12	32701		21.304			
1520-96-3	Perylene-d12	27410		23.555			



Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	E0LY2	SDG No.:	BN032524
Lab Sample ID:	P1813-14	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
BN030488.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159745

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:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	E0LY3	SDG No.:	BN032524
Lab Sample ID:	P1813-15	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
BN030489.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159747

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	4.361		15-120		55	SPK: -8
93951-69-0	Fluoranthene-d10	0.409		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	9253	7.729				
1146-65-2	Naphthalene-d8	29493	10.507				
15067-26-2	Acenaphthene-d10	17586	14.363				
1517-22-2	Phenanthrene-d10	41420	17.108				
1719-03-5	Chrysene-d12	30569	21.304				
1520-96-3	Perylene-d12	25612	23.554				



Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	E0LY3	SDG No.:	BN032524
Lab Sample ID:	P1813-15	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
BN030489.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159747

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:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	C0AK3	SDG No.:	BN032524
Lab Sample ID:	P1841-01	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
BN030490.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159747

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.3		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	5.915		15-120		74	SPK: -8
93951-69-0	Fluoranthene-d10	0.402		30-130		100	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.329		30-130		82	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9107		7.729			
1146-65-2	Naphthalene-d8	28534		10.513			
15067-26-2	Acenaphthene-d10	17145		14.363			
1517-22-2	Phenanthrene-d10	39930		17.108			
1719-03-5	Chrysene-d12	27654		21.301			
1520-96-3	Perylene-d12	24041		23.552			



Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	C0AK3	SDG No.:	BN032524
Lab Sample ID:	P1841-01	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	980	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
BN030490.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159747

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:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	C0AK4	SDG No.:	BN032524
Lab Sample ID:	P1841-02	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
BN030491.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159747

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.3		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	4.82		15-120		60	SPK: -8
93951-69-0	Fluoranthene-d10	0.411		30-130		103	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	8871		7.728			
1146-65-2	Naphthalene-d8	27910		10.507			
15067-26-2	Acenaphthene-d10	16788		14.363			
1517-22-2	Phenanthrene-d10	40273		17.108			
1719-03-5	Chrysene-d12	27240		21.304			
1520-96-3	Perylene-d12	22718		23.554			



Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	C0AK4	SDG No.:	BN032524
Lab Sample ID:	P1841-02	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
BN030491.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159747

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:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	C0AK7	SDG No.:	BN032524
Lab Sample ID:	P1841-03	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
BN030492.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159747

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.1		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	4.299		15-120		54	SPK: -8
93951-69-0	Fluoranthene-d10	0.415		30-130		104	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.348		30-130		87	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8690	7.728				
1146-65-2	Naphthalene-d8	27096	10.507				
15067-26-2	Acenaphthene-d10	16243	14.363				
1517-22-2	Phenanthrene-d10	38663	17.108				
1719-03-5	Chrysene-d12	25860	21.304				
1520-96-3	Perylene-d12	21290	23.554				



Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	C0AK7	SDG No.:	BN032524
Lab Sample ID:	P1841-03	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
BN030492.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159747

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:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	C0AK9	SDG No.:	BN032524
Lab Sample ID:	P1841-04	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
BN030493.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159747

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	4.524		15-120		57	SPK: -8
93951-69-0	Fluoranthene-d10	0.451		30-130		113	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.366		30-130		91	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7647		7.728			
1146-65-2	Naphthalene-d8	23680		10.507			
15067-26-2	Acenaphthene-d10	13986		14.363			
1517-22-2	Phenanthrene-d10	31886		17.108			
1719-03-5	Chrysene-d12	21774		21.301			
1520-96-3	Perylene-d12	17734		23.551			



Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	C0AK9	SDG No.:	BN032524
Lab Sample ID:	P1841-04	Matrix:	Water
Analytical Method:	SFAM_SVOASIM	% Moisture:	100
Sample Wt/Vol:	980	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
BN030493.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159747

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:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	SLCS745	SDG No.:	BN032524
Lab Sample ID:	PB159745BS	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
BN030494.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159745

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.9		0.031	0	0.2	ug/L
91-20-3	Naphthalene	0.37		0.011	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.36		0.024	0.05	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.38		0.011	0.05	0.1	ug/L
208-96-8	Acenaphthylene	0.37		0.014	0.05	0.1	ug/L
83-32-9	Acenaphthene	0.36		0.013	0.05	0.1	ug/L
86-73-7	Fluorene	0.36		0.022	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.78		0.041	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.36		0.014	0.05	0.1	ug/L
120-12-7	Anthracene	0.37		0.011	0.05	0.1	ug/L
206-44-0	Fluoranthene	0.39		0.022	0.05	0.1	ug/L
129-00-0	Pyrene	0.4		0.016	0.05	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.38		0.015	0.05	0.1	ug/L
218-01-9	Chrysene	0.39		0.014	0.05	0.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.38		0.004	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.4		0.019	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.4		0.012	0.05	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.38		0.023	0.05	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.38		0.026	0.05	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.36		0.025	0.05	0.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.701		15-120		88	SPK: -0.8
93951-69-0	Fluoranthene-d10	0.405		30-130		101	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.381		30-130		95	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8313		7.724			
1146-65-2	Naphthalene-d8	23798		10.506			
15067-26-2	Acenaphthene-d10	13439		14.362			
1517-22-2	Phenanthrene-d10	30549		17.111			
1719-03-5	Chrysene-d12	21790		21.299			
1520-96-3	Perylene-d12	18801		23.549			



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	SLCS745	SDG No.:	BN032524
Lab Sample ID:	PB159745BS	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
BN030494.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159745

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:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	SLCS747	SDG No.:	BN032524
Lab Sample ID:	PB159747BS	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
BN030495.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159747

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.7		0.031	0	0.2	ug/L
91-20-3	Naphthalene	0.33		0.011	0.05	0.1	ug/L
90-12-0	1-Methylnaphthalene	0.32		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	0.33		0.022	0.05	0.1	ug/L
87-86-5	Pentachlorophenol	0.65		0.041	0.1	0.2	ug/L
85-01-8	Phenanthrene	0.32		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	0.35		0.022	0.05	0.1	ug/L
129-00-0	Pyrene	0.35		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	0.32		0.004	0.05	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.35		0.019	0.05	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.33		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	0.31		0.025	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	0.355		30-130		89	SPK: -0.4
7297-45-2	2-Methylnaphthalene-d10	0.337		30-130		84	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9361		7.724			
1146-65-2	Naphthalene-d8	26792		10.507			
15067-26-2	Acenaphthene-d10	15057		14.363			
1517-22-2	Phenanthrene-d10	34774		17.108			
1719-03-5	Chrysene-d12	24447		21.301			
1520-96-3	Perylene-d12	21605		23.552			



Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	SLCS747	SDG No.:	BN032524
Lab Sample ID:	PB159747BS	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
BN030495.D	1	3/22/2024 12:00:00 AM	3/25/2024 12:00:00 AM	PB159747

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

Hit Summary Sheet

SW-846

SDG No.: BN032524

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : E0LX8								
P1813-10	E0LX8	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L
			Total Tics :			0.00		
P1813-10	E0LX8	Water	Acenaphthene		0.120	0.01	0.1	ug/L
P1813-10	E0LX8	Water	Fluoranthene		0.030	J 0.02	0.1	ug/L
			Total Svoc :			0.15		
			Total Concentration:			0.15		
Client ID : E0LX9								
P1813-11	E0LX9	Water	Total Alkanes	*	0.000	0.031	0.2	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID : E0LY0								
P1813-12	E0LY0	Water	Total Alkanes	*	0.000	0.031	0.2	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID : E0LY1								
P1813-13	E0LY1	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID : E0LY2								
P1813-14	E0LY2	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L
			Total Tics :			0.00		
P1813-14	E0LY2	Water	Benzo(b)fluoranthene		0.030	J 0	0.1	ug/L
P1813-14	E0LY2	Water	Benzo(k)fluoranthene		0.020	J 0.02	0.1	ug/L
P1813-14	E0LY2	Water	Fluoranthene		0.020	J 0.02	0.1	ug/L
P1813-14	E0LY2	Water	Indeno(1,2,3-cd)pyrene		0.020	J 0.02	0.1	ug/L
P1813-14	E0LY2	Water	Pentachlorophenol		0.040	J 0.04	0.2	ug/L
P1813-14	E0LY2	Water	Phenanthrene		0.020	J 0.01	0.1	ug/L
			Total Svoc :			0.15		
			Total Concentration:			0.15		
Client ID : E0LY3								
P1813-15	E0LY3	Water	Total Alkanes	*	0.000	0.031	0.2	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID : C0AK3								
P1841-01	C0AK3	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L
			Total Tics :			0.00		
P1841-01	C0AK3	Water	1,4-Dioxane		1.300	0.03	0.2	ug/L



Hit Summary Sheet
SW-846

SDG No.: BN032524

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
			Total Svoc :			1.30		
			Total Concentration:			1.30		
Client ID : C0AK4								
P1841-02	C0AK4	Water	Total Alkanes	*	0.000	0.03	0.2	ug/L
			Total Tics :			0.00		
P1841-02	C0AK4	Water	1,4-Dioxane		1.300	0.03	0.2	ug/L
			Total Svoc :			1.30		
			Total Concentration:			1.30		
Client ID : C0AK7								
P1841-03	C0AK7	Water	Total Alkanes	*	0.000	0.031	0.2	ug/L
			Total Tics :			0.00		
P1841-03	C0AK7	Water	1,4-Dioxane		1.100	0.031	0.2	ug/L
			Total Svoc :			1.10		
			Total Concentration:			1.10		
Client ID : C0AK9								
P1841-04	C0AK9	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.: BN032524 SAS No.: BN032524 SDG No.: BN032524
Instrument ID: _____ Calibration Date(s): 3/25/2024 : _____
Calibration Time(s): 10:05 : _____

LAB FILE ID:		RRFAL1 = BN030473.D			RRFAL2 = BN030474.D		RRFAL3 = BN030475.D	
		RRFAL4 = BN030476.D			RRFAL5 = BN030477.D		RRFAL6 = BN030478.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane		0.484	0.490	0.499	0.485	0.471	0.486	2.1
1,4-Dioxane-d8		0.490	0.480	0.478	0.460	0.442	0.470	4.1
Naphthalene	1.140	1.138	1.170	1.144	1.111		1.141	1.8
1-Methylnaphthalene	0.779	0.772	0.803	0.787	0.772		0.783	1.7
2-Methylnaphthalene	0.733	0.728	0.761	0.744	0.731		0.739	1.8
Acenaphthylene	1.974	1.965	2.083	2.058	2.060		2.028	2.7
Acenaphthene	1.545	1.529	1.604	1.584	1.546		1.562	2.0
Fluorene	1.743	1.722	1.839	1.824	1.812		1.788	2.9
Pentachlorophenol		0.064	0.076	0.073	0.077	0.086	0.075	10.5
Phenanthrene	1.321	1.315	1.368	1.361	1.351		1.343	1.8
Anthracene	1.070	1.078	1.161	1.167	1.199		1.135	5.1
Fluoranthene	1.661	1.983	2.023	1.946	1.903		1.903	7.5
Pyrene	1.689	1.977	1.988	1.899	1.840		1.879	6.5
Benzo(a)anthracene	1.821	1.521	1.629	1.617	1.660		1.649	6.6
Chrysene	1.742	1.756	1.792	1.745	1.686		1.744	2.2
Benzo(b)fluoranthene	1.739	1.841	1.898	1.973	2.009		1.892	5.7
Benzo(k)fluoranthene	1.726	1.844	1.946	2.043	2.107		1.933	7.9
Benzo(a)pyrene	1.427	1.440	1.505	1.561	1.643		1.515	5.9
Indeno(1,2,3-cd)pyrene	1.643	1.722	1.858	1.950	2.010		1.837	8.3
Dibenzo(a,h)anthracene	1.302	1.349	1.494	1.569	1.622		1.467	9.4
Benzo(g,h,i)perylene	1.466	1.546	1.604	1.657	1.675		1.590	5.4
Fluoranthene-d10	1.133	1.314	1.323	1.258	1.212		1.248	6.3
2-Methylnaphthalene-d10	0.567	0.558	0.577	0.565	0.551		0.564	1.7

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN032524 SAS No.: BN032524 SDG NO.: BN032524

EPA Sample No.: SSTD0.4204 Date Analyzed: Mar 25 2024 12:00AM

Lab File ID: BN030475.D Time Analyzed: 13:51

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	10457	7.728	29319	10.51	15853	14.37
UPPER LIMIT	20914	8.228	58638	11.012	31706	14.867
LOWER LIMIT	5228.5	7.228	14659.5	10.012	7926.5	13.867
EPA SAMPLE NO.						
01 SICV208	9948	7.72	28015	10.51	15011	14.36
02 SBLK745	9381	7.73	27712	10.51	15546	14.36
03 E0LY0	9104	7.73	26818	10.51	15094	14.36
04 E0LY1	9639	7.73	28354	10.51	16041	14.37
05 SBLK745	9842	7.73	29411	10.51	16478	14.36
06 SBLK747	8971	7.73	26714	10.51	14935	14.36
07 E0LX8	10470	7.73	32188	10.51	18816	14.36
08 E0LX9	11285	7.73	36030	10.51	23431	14.36
09 E0LY2	9936	7.73	31553	10.51	18745	14.36
10 E0LY3	9253	7.73	29493	10.51	17586	14.36
11 C0AK3	9107	7.73	28534	10.51	17145	14.36
12 C0AK4	8871	7.73	27910	10.51	16788	14.36
13 C0AK7	8690	7.73	27096	10.51	16243	14.36
14 C0AK9	7647	7.73	23680	10.51	13986	14.36
15 SLCS745	8313	7.72	23798	10.51	13439	14.36
16 SLCS747	9361	7.72	26792	10.51	15057	14.36

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: CHEMTECHLab Code: CHEM Case No.: BN032524 SAS No.: BN032524 SDG NO.: BN032524EPA Sample No.: SSTD0.4363 Date Analyzed: Mar 25 2024 12:00AMLab File ID: BN030483.D Time Analyzed: 16:57Instrument 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	8748	7.724	24715	10.51	13506	14.36
UPPER LIMIT	17496	8.224	49430	11.013	27012	14.864
LOWER LIMIT	4374	7.224	12357.5	10.013	6753	13.864
EPA SAMPLE NO.						
01 SBLK745	9842	7.73	29411	10.51	16478	14.36
02 SBLK747	8971	7.73	26714	10.51	14935	14.36
03 E0LX8	10470	7.73	32188	10.51	18816	14.36
04 E0LX9	11285	7.73	36030	10.51	23431	14.36
05 E0LY2	9936	7.73	31553	10.51	18745	14.36
06 E0LY3	9253	7.73	29493	10.51	17586	14.36
07 C0AK3	9107	7.73	28534	10.51	17145	14.36
08 C0AK4	8871	7.73	27910	10.51	16788	14.36
09 C0AK7	8690	7.73	27096	10.51	16243	14.36
10 C0AK9	7647	7.73	23680	10.51	13986	14.36
11 SLCS745	8313	7.72	23798	10.51	13439	14.36
12 SLCS747	9361	7.72	26792	10.51	15057	14.36

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: CHEMTECHLab Code: CHEM Case No.: BN032524 SAS No.: BN032524 SDG NO.: BN032524EPA Sample No.: SSTD0.4204Date Analyzed: Mar 25 2024 12:00AMLab File ID: BN030475.DTime Analyzed: 13:51Instrument ID: BNA_NGC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	35822	17.112	26308	21.303	22871	23.551
	UPPER LIMIT	71644	17.612	52616	21.803	45742	24.051
	LOWER LIMIT	17911	16.612	13154	20.803	11435.5	23.051
	EPA SAMPLE NO.						
01	SICV208	33528	17.11	24779	21.31	23779	23.56
02	SBLK745	35599	17.11	22574	21.30	20113	23.55
03	E0LY0	35035	17.11	25753	21.30	21533	23.55
04	E0LY1	36832	17.11	26273	21.30	21492	23.56
05	SBLK745	37340	17.11	23422	21.30	20992	23.55
06	SBLK747	33811	17.11	20910	21.30	17835	23.55
07	E0LX8	44673	17.11	33617	21.31	27766	23.56
08	E0LX9	49539	17.11	34100	21.30	26123	23.55
09	E0LY2	43673	17.11	32701	21.30	27410	23.56
10	E0LY3	41420	17.11	30569	21.30	25612	23.55
11	C0AK3	39930	17.11	27654	21.30	24041	23.55
12	C0AK4	40273	17.11	27240	21.30	22718	23.55
13	C0AK7	38663	17.11	25860	21.30	21290	23.55
14	C0AK9	31886	17.11	21774	21.30	17734	23.55
15	SLCS745	30549	17.11	21790	21.30	18801	23.55
16	SLCS747	34774	17.11	24447	21.30	21605	23.55

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN032524 SAS No.: BN032524 SDG NO.: BN032524

EPA Sample No.: SSTD0.4204

Date Analyzed: Mar 25 2024 12:00AM

Lab File ID: BN030475.D

Time Analyzed: 23:35

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	35822	17.112	26308	21.303	22871	23.551
UPPER LIMIT	71644	17.612	52616	21.803	45742	24.051
LOWER LIMIT	17911	16.612	13154	20.803	11435.5	23.051
EPA SAMPLE NO.						

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.: BN032524 SAS No.: BN032524 SDG NO.: BN032524

EPA Sample No.: SSTD0.4363 Date Analyzed: Mar 25 2024 12:00AM

Lab File ID: BN030483.D Time Analyzed: 16:57

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	30169	17.109	21914	21.305	18388	23.555
UPPER LIMIT	60338	17.609	43828	21.805	36776	24.055
LOWER LIMIT	15084.5	16.609	10957	20.805	9194	23.055
EPA SAMPLE NO.						
01 SBLK745	37340	17.11	23422	21.30	20992	23.55
02 SBLK747	33811	17.11	20910	21.30	17835	23.55
03 E0LX8	44673	17.11	33617	21.31	27766	23.56
04 E0LX9	49539	17.11	34100	21.30	26123	23.55
05 E0LY2	43673	17.11	32701	21.30	27410	23.56
06 E0LY3	41420	17.11	30569	21.30	25612	23.55
07 C0AK3	39930	17.11	27654	21.30	24041	23.55
08 C0AK4	40273	17.11	27240	21.30	22718	23.55
09 C0AK7	38663	17.11	25860	21.30	21290	23.55
10 C0AK9	31886	17.11	21774	21.30	17734	23.55
11 SLCS745	30549	17.11	21790	21.30	18801	23.55
12 SLCS747	34774	17.11	24447	21.30	21605	23.55

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.: BN032524

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.: BN032524

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159745BS	1,4-Dioxane	2	1.9	ug/L	95				0	0	
	Naphthalene	0.4	0.37	ug/L	93				0	0	
	1-Methylnaphthalene	0.4	0.36	ug/L	90				0	0	
	2-Methylnaphthalene	0.4	0.38	ug/L	95				0	0	
	Acenaphthylene	0.4	0.37	ug/L	93				0	0	
	Acenaphthene	0.4	0.36	ug/L	90				0	0	
	Fluorene	0.4	0.36	ug/L	90				0	0	
	Pentachlorophenol	0.8	0.78	ug/L	98				0	0	
	Phenanthrene	0.4	0.36	ug/L	90				0	0	
	Anthracene	0.4	0.37	ug/L	93				0	0	
	Fluoranthene	0.4	0.39	ug/L	98				0	0	
	Pyrene	0.4	0.4	ug/L	100				0	0	
	Benzo(a)anthracene	0.4	0.38	ug/L	95				0	0	
	Chrysene	0.4	0.39	ug/L	98				0	0	
	Benzo(b)fluoranthene	0.4	0.38	ug/L	95				0	0	
	Benzo(k)fluoranthene	0.4	0.4	ug/L	100				0	0	
	Benzo(a)pyrene	0.4	0.4	ug/L	100				0	0	
	Indeno(1,2,3-cd)pyrene	0.4	0.38	ug/L	95				0	0	
	Dibenzo(a,h)anthracene	0.4	0.38	ug/L	95				0	0	
	Benzo(g,h,i)perylene	0.4	0.36	ug/L	90				0	0	



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

SDG No.: BN032524

Client: _____

Analytical Method: SFAM_SVOASIM

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159747BS	1,4-Dioxane	2	1.7	ug/L	85				0	0	
	Naphthalene	0.4	0.33	ug/L	83				0	0	
	1-Methylnaphthalene	0.4	0.32	ug/L	80				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	0.33	ug/L	83				0	0	
	Pentachlorophenol	0.8	0.65	ug/L	81				0	0	
	Phenanthrene	0.4	0.32	ug/L	80				0	0	
	Anthracene	0.4	0.32	ug/L	80				0	0	
	Fluoranthene	0.4	0.35	ug/L	88				0	0	
	Pyrene	0.4	0.35	ug/L	88				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	0.32	ug/L	80				0	0	
	Benzo(k)fluoranthene	0.4	0.35	ug/L	88				0	0	
	Benzo(a)pyrene	0.4	0.33	ug/L	83				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	0.31	ug/L	78				0	0	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK745

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN032524SAS No.: BN032524 SDG NO.: BN032524Lab File ID: BN030480.DLab Sample ID: PB159745BLInstrument ID: BNA_NDate Extracted: 03/22/2024Matrix: (soil/water) WaterDate Analyzed: 03/25/2024Level: (low/med) LOWTime Analyzed: 14:27

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E0LY0	P1813-12	BN030481.D	03/25/2024
E0LY1	P1813-13	BN030482.D	03/25/2024
PB159745BS	PB159745BS	BN030494.D	03/25/2024
E0LX8	P1813-10	BN030486.D	03/25/2024
E0LX9	P1813-11	BN030487.D	03/25/2024
E0LY2	P1813-14	BN030488.D	03/25/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK747

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN032524SAS No.: BN032524 SDG NO.: BN032524Lab File ID: BN030485.DLab Sample ID: PB159747BLInstrument ID: BNA_NDate Extracted: 03/22/2024Matrix: (soil/water) WaterDate Analyzed: 03/25/2024Level: (low/med) LOWTime Analyzed: 17:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159747BS	PB159747BS	BN030495.D	03/25/2024
E0LY3	P1813-15	BN030489.D	03/25/2024
C0AK3	P1841-01	BN030490.D	03/25/2024
C0AK4	P1841-02	BN030491.D	03/25/2024
C0AK7	P1841-03	BN030492.D	03/25/2024
C0AK9	P1841-04	BN030493.D	03/25/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BN032524

Client: _____

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1813-10	E0LX8	BN030486.D	1,4-Dioxane-d8	8	3.89	49		15	120
			Fluoranthene-d10	0.4	0.32	79		30	130
			2-Methylnaphthalene-d10	0.4	0.25	62		30	130
P1813-11	E0LX9	BN030487.D	1,4-Dioxane-d8	8	3.99	50		15	120
			Fluoranthene-d10	0.4	0.38	94		30	130
			2-Methylnaphthalene-d10	0.4	0.34	84		30	130
P1813-12	E0LY0	BN030481.D	1,4-Dioxane-d8	8	3.82	48		15	120
			Fluoranthene-d10	0.4	0.31	78		30	130
			2-Methylnaphthalene-d10	0.4	0.24	60		30	130
P1813-13	E0LY1	BN030482.D	1,4-Dioxane-d8	8	4.10	51		15	120
			Fluoranthene-d10	0.4	0.36	90		30	130
			2-Methylnaphthalene-d10	0.4	0.28	69		30	130
P1813-14	E0LY2	BN030488.D	1,4-Dioxane-d8	8	4.19	52		15	120
			Fluoranthene-d10	0.4	0.34	86		30	130
			2-Methylnaphthalene-d10	0.4	0.28	71		30	130
PB159745BL	PB159745BL	BN030484.D	1,4-Dioxane-d8	8	4.79	60		15	120
		BN030480.D	1,4-Dioxane-d8	8	4.82	60		15	120
		BN030484.D	Fluoranthene-d10	0.4	0.30	76		30	130
		BN030480.D	Fluoranthene-d10	0.4	0.30	75		30	130
		BN030484.D	2-Methylnaphthalene-d10	0.4	0.25	63		30	130
PB159745BS	PB159745BS	BN030484.D	2-Methylnaphthalene-d10	0.4	0.25	63		30	130
		BN030494.D	1,4-Dioxane-d8	0.8	0.70	88		15	120
			Fluoranthene-d10	0.4	0.41	101		30	130
			2-Methylnaphthalene-d10	0.4	0.38	95		30	130



Surrogate Summary
SW-846

SDG No.: BN032524

Client:

Analytical Method: SFAM_SVOASIM

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1813-15	E0LY3	BN030489.D	1,4-Dioxane-d8	8	4.36	55		15	120
			Fluoranthene-d10	0.4	0.41	102		30	130
			2-Methylnaphthalene-d10	0.4	0.35	86		30	130
P1841-01	C0AK3	BN030490.D	1,4-Dioxane-d8	8	5.92	74		15	120
			Fluoranthene-d10	0.4	0.40	100		30	130
			2-Methylnaphthalene-d10	0.4	0.33	82		30	130
P1841-02	C0AK4	BN030491.D	1,4-Dioxane-d8	8	4.82	60		15	120
			Fluoranthene-d10	0.4	0.41	103		30	130
			2-Methylnaphthalene-d10	0.4	0.33	83		30	130
P1841-03	C0AK7	BN030492.D	1,4-Dioxane-d8	8	4.30	54		15	120
			Fluoranthene-d10	0.4	0.42	104		30	130
			2-Methylnaphthalene-d10	0.4	0.35	87		30	130
P1841-04	C0AK9	BN030493.D	1,4-Dioxane-d8	8	4.52	57		15	120
			Fluoranthene-d10	0.4	0.45	113		30	130
			2-Methylnaphthalene-d10	0.4	0.37	91		30	130
PB159747BL	PB159747BL	BN030485.D	1,4-Dioxane-d8	8	6.14	77		15	120
			Fluoranthene-d10	0.4	0.40	99		30	130
			2-Methylnaphthalene-d10	0.4	0.32	80		30	130
PB159747BS	PB159747BS	BN030495.D	1,4-Dioxane-d8	0.8	0.63	79		15	120
			Fluoranthene-d10	0.4	0.36	89		30	130
			2-Methylnaphthalene-d10	0.4	0.34	84		30	130



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BN032524Lab Code: CHEMSAS No.: BN032524 SDG NO.: BN032524Lab File ID: BN030472.DDFTPP Injection Date: 03/25/2024Instrument ID: BNA_NDFTPP Injection Time: 09:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.6
68	Less than 2.0% of mass 69	0.7 (1.6) 1
69	Mass 69 relative abundance	44.1
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	51.7
197	Less than 2.0% of mass 198	0.3
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	24.7
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	7.8
442	Greater than 50% of mass 198	51.2
443	15.0 - 24.0% of mass 442	8.9 (17.4) 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
SSTD0.1202	SSTD0.174	BN030473.D	03/25/2024	10:05
SSTD0.2203	SSTD0.275	BN030474.D	03/25/2024	10:41
SSTD0.4204	SSTD0.476	BN030475.D	03/25/2024	11:17
SSTD0.8205	SSTD0.877	BN030476.D	03/25/2024	11:53
SSTD1.6206	SSTD1.678	BN030477.D	03/25/2024	12:29
SSTD3.2207	SSTD3.279	BN030478.D	03/25/2024	13:05
SICV208	SSTDICV0.4	BN030479.D	03/25/2024	13:51
SBLK745	PB159745BL	BN030480.D	03/25/2024	14:27
E0LY0	P1813-12	BN030481.D	03/25/2024	15:03
E0LY1	P1813-13	BN030482.D	03/25/2024	15:40
SSTD0.4363	SSTDCCC0.4	BN030483.D	03/25/2024	16:21
SBLK745	PB159745BL	BN030484.D	03/25/2024	16:57
SBLK747	PB159747BL	BN030485.D	03/25/2024	17:33
E0LX8	P1813-10	BN030486.D	03/25/2024	18:10
E0LX9	P1813-11	BN030487.D	03/25/2024	18:46
E0LY2	P1813-14	BN030488.D	03/25/2024	19:22
E0LY3	P1813-15	BN030489.D	03/25/2024	19:59
C0AK3	P1841-01	BN030490.D	03/25/2024	20:35
C0AK4	P1841-02	BN030491.D	03/25/2024	21:11



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BN032524Lab Code: CHEMSAS No.: BN032524 SDG NO.: BN032524Lab File ID: BN030472.DDFTPP Injection Date: 03/25/2024Instrument ID: BNA_NDFTPP Injection Time: 09:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.6
68	Less than 2.0% of mass 69	0.7 (1.6) 1
69	Mass 69 relative abundance	44.1
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	51.7
197	Less than 2.0% of mass 198	0.3
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	24.7
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	7.8
442	Greater than 50% of mass 198	51.2
443	15.0 - 24.0% of mass 442	8.9 (17.4) 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
C0AK7	P1841-03	BN030492.D	03/25/2024	21:47
C0AK9	P1841-04	BN030493.D	03/25/2024	22:23
SLCS745	PB159745BS	BN030494.D	03/25/2024	22:59
SLCS747	PB159747BS	BN030495.D	03/25/2024	23:35
SSTD0.4364	SSTDCCC0.4EC	BN030496.D	03/26/2024	00:47