



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN031424 SAS No.: BN031424 SDG No.: BN031424

Instrument ID: BNA_N Calibration Date/Time: 3/14/2024 11:08

Lab File ID: BN030391.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.621	0.578		-6.924	20.0
Fluoranthene-d10	1.160	1.115		-3.879	20.0
n-Nitrosodimethylamine	0.509	0.461		-9.43	20.0
2-Fluorophenol	1.041	0.963		-7.493	20.0
Phenol-d6	1.015	0.920		-9.36	20.0
bis(2-Chloroethyl)ether	0.816	0.828		1.471	20.0
Nitrobenzene-d5	0.367	0.323		-11.989	20.0
Naphthalene	1.069	1.009		-5.613	20.0
Hexachlorobutadiene	0.331	0.309		-6.647	20.0
2-Methylnaphthalene	0.689	0.655		-4.935	20.0
2-Fluorobiphenyl	1.610	1.391		-13.602	20.0
Acenaphthylene	1.749	1.606		-8.176	20.0
Acenaphthene	1.147	1.083		-5.58	20.0
Fluorene	1.421	1.481		4.222	20.0
4,6-Dinitro-2-methylphenol	0.072	0.057		-20.833	20.0
2,4,6-Tribromophenol	0.233	0.200		-14.163	20.0
4-Bromophenyl-phenylether	0.236	0.219		-7.203	20.0
Hexachlorobenzene	0.282	0.265		-6.028	20.0
Atrazine	0.213	0.186		-12.676	20.0
Pentachlorophenol	0.148	0.117		-20.946	20.0
Phenanthrene	1.064	1.006		-5.451	20.0
Anthracene	0.975	0.909		-6.769	20.0
Fluoranthene	1.436	1.347		-6.198	20.0
Pyrene	1.493	1.414		-5.291	20.0
Terphenyl-d14	0.909	0.843		-7.261	20.0
Benzo(a)anthracene	1.329	1.223		-7.976	20.0
Chrysene	1.466	1.384		-5.593	20.0
Bis(2-ethylhexyl)phthalate	0.694	0.637		-8.213	20.0
Benzo(b)fluoranthene	1.305	1.154		-11.571	20.0
Benzo(k)fluoranthene	1.320	1.232		-6.667	20.0
Benzo(a)pyrene	1.211	1.134		-6.358	20.0
Indeno(1,2,3-cd)pyrene	1.703	1.553		-8.808	20.0
Dibenzo(a,h)anthracene	1.348	1.219		-9.57	20.0
Benzo(g,h,i)perylene	1.590	1.470		-7.547	20.0
1,4-Dioxane	0.555	0.511		-7.928	20.0

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN031424 SAS No.: BN031424 SDG No.: BN031424

Instrument ID: BNA_N Calibration Date/Time: 3/14/2024 1:17:12

Lab File ID: BN030401.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.621	0.563		-9.34	50.0
Fluoranthene-d10	1.160	1.079		-6.983	50.0
n-Nitrosodimethylamine	0.509	0.437		-14.145	50.0
2-Fluorophenol	1.041	0.984		-5.476	50.0
Phenol-d6	1.015	0.913		-10.049	50.0
bis(2-Chloroethyl)ether	0.816	0.771		-5.515	50.0
Nitrobenzene-d5	0.367	0.309		-15.804	50.0
Naphthalene	1.069	1.010		-5.519	50.0
Hexachlorobutadiene	0.331	0.311		-6.042	50.0
2-Methylnaphthalene	0.689	0.636		-7.692	50.0
2-Fluorobiphenyl	1.610	1.417		-11.988	50.0
Acenaphthylene	1.749	1.596		-8.748	50.0
Acenaphthene	1.147	1.080		-5.841	50.0
Fluorene	1.421	1.435		0.985	50.0
4,6-Dinitro-2-methylphenol	0.072	0.051		-29.167	50.0
2,4,6-Tribromophenol	0.233	0.189		-18.884	50.0
4-Bromophenyl-phenylether	0.236	0.206		-12.712	50.0
Hexachlorobenzene	0.282	0.267		-5.319	50.0
Atrazine	0.213	0.190		-10.798	50.0
Pentachlorophenol	0.148	0.105		-29.054	50.0
Phenanthrene	1.064	0.960		-9.774	50.0
Anthracene	0.975	0.870		-10.769	50.0
Fluoranthene	1.436	1.330		-7.382	50.0
Pyrene	1.493	1.428		-4.354	50.0
Terphenyl-d14	0.909	0.847		-6.821	50.0
Benzo(a)anthracene	1.329	1.112		-16.328	50.0
Chrysene	1.466	1.397		-4.707	50.0
Bis(2-ethylhexyl)phthalate	0.694	0.616		-11.239	50.0
Benzo(b)fluoranthene	1.305	1.133		-13.18	50.0
Benzo(k)fluoranthene	1.320	1.247		-5.53	50.0
Benzo(a)pyrene	1.211	1.089		-10.074	50.0
Indeno(1,2,3-cd)pyrene	1.703	1.501		-11.861	50.0
Dibenzo(a,h)anthracene	1.348	1.206		-10.534	50.0
Benzo(g,h,i)perylene	1.590	1.439		-9.497	50.0
1,4-Dioxane	0.555	0.514		-7.387	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	PB159550BL	SDG No.:	BN031424
Lab Sample ID:	PB159550BL	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	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
BN030392.D	1	3/12/2024 12:00:00 AM	3/14/2024 12:00:00 AM	PB159550

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1.3	U	1.3	6.6	6.6	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	0.85	U	0.85	3.3	3.3	ug/Kg
91-20-3	Naphthalene	0.69	U	0.69	3.3	3.3	ug/Kg
87-68-3	Hexachlorobutadiene	0.69	U	0.69	3.3	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	0.8	U	0.8	3.3	3.3	ug/Kg
208-96-8	Acenaphthylene	0.63	U	0.63	3.3	3.3	ug/Kg
83-32-9	Acenaphthene	0.55	U	0.55	3.3	3.3	ug/Kg
Total PAH	Total PAH	14.61	U	14.61	3.3	52.8	ug/Kg
86-73-7	Fluorene	0.6	U	0.6	3.3	3.3	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	4.2	U	4.2	6.6	6.6	ug/Kg
101-55-3	4-Bromophenyl-phenylether	0.79	U	0.79	3.3	3.3	ug/Kg
118-74-1	Hexachlorobenzene	0.85	U	0.85	3.3	3.3	ug/Kg
1912-24-9	Atrazine	0.76	U	0.76	3.3	3.3	ug/Kg
87-86-5	Pentachlorophenol	2.8	U	2.8	6.6	6.6	ug/Kg
85-01-8	Phenanthrene	0.63	U	0.63	3.3	3.3	ug/Kg
120-12-7	Anthracene	0.79	U	0.79	3.3	3.3	ug/Kg
206-44-0	Fluoranthene	0.67	U	0.67	3.3	3.3	ug/Kg
129-00-0	Pyrene	0.95	U	0.95	3.3	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	0.76	U	0.76	3.3	3.3	ug/Kg
218-01-9	Chrysene	0.86	U	0.86	3.3	3.3	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1.5	U	1.5	6.6	6.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	1.2	U	1.2	3.3	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.98	U	0.98	3.3	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	1.7	U	1.7	3.3	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.3	U	1.3	3.3	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	3.3	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1.1	U	1.1	3.3	3.3	ug/Kg
123-91-1	1,4-Dioxane	2.2	U	2.2	6.6	6.6	ug/Kg
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.295		21-128		74	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.325		13-127		81	SPK: -0.4

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	PB159550BL	SDG No.:	BN031424
Lab Sample ID:	PB159550BL	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	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
BN030392.D	1	3/12/2024 12:00:00 AM	3/14/2024 12:00:00 AM	PB159550

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.32		28-122		80	SPK: -0.4
13127-88-3	Phenol-d6	0.246		12-126		62	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.279		14-112		70	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.409		22-114		102	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.219		10-137		55	SPK: -0.4
1718-51-0	Terphenyl-d14	0.352		21-130		88	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1850	7.645				
1146-65-2	Naphthalene-d8	4199	10.423				
15067-26-2	Acenaphthene-d10	2398	14.287				
1517-22-2	Phenanthrene-d10	4529	17.057				
1719-03-5	Chrysene-d12	4234	21.259				
1520-96-3	Perylene-d12	5048	23.493				

Report of Analysis

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	PB159518BL	SDG No.:	BN031424
Lab Sample ID:	PB159518BL	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN030393.D	1	3/8/2024 12:00:00 AM	3/14/2024 12:00:00 AM	PB159518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.02	U	0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.1	0.1	ug/L
Total PAH	Total PAH	0.45	U	0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.09	U	0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.02	U	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.14	U	0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.07	U	0.07	0.2	0.2	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.314		30-150		79	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.324		30-150		81	SPK: -0.4

Report of Analysis

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	PB159518BL	SDG No.:	BN031424
Lab Sample ID:	PB159518BL	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN030393.D	1	3/8/2024 12:00:00 AM	3/14/2024 12:00:00 AM	PB159518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.307		10-92		77	SPK: -0.4
13127-88-3	Phenol-d6	0.236		10-100		59	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.27		11-175		68	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.373		10-175		93	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.212		24-148		53	SPK: -0.4
1718-51-0	Terphenyl-d14	0.337		54-171		84	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1795	7.645				
1146-65-2	Naphthalene-d8	3876	10.423				
15067-26-2	Acenaphthene-d10	2349	14.297				
1517-22-2	Phenanthrene-d10	4511	17.057				
1719-03-5	Chrysene-d12	4381	21.259				
1520-96-3	Perylene-d12	5281	23.49				

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	SP-100-20240307	SDG No.:	BN031424
Lab Sample ID:	P1716-01	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN030394.D	1	3/8/2024 12:00:00 AM	3/14/2024 12:00:00 AM	PB159518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.02	U	0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.1	0.1	ug/L
Total PAH	Total PAH	0.45	U	0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.09	U	0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.02	U	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.23		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	3.8		0.07	0.2	0.2	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.262		30-150		65	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.324		30-150		81	SPK: -0.4

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	SP-100-20240307	SDG No.:	BN031424
Lab Sample ID:	P1716-01	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN030394.D	1	3/8/2024 12:00:00 AM	3/14/2024 12:00:00 AM	PB159518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.082		10-92		20	SPK: -0.4
13127-88-3	Phenol-d6	0.035	*	10-100		9	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.217		11-175		54	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.305		10-175		76	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.183		24-148		46	SPK: -0.4
1718-51-0	Terphenyl-d14	0.41		54-171		102	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1486	7.645				
1146-65-2	Naphthalene-d8	3407	10.423				
15067-26-2	Acenaphthene-d10	2174	14.286				
1517-22-2	Phenanthrene-d10	4661	17.057				
1719-03-5	Chrysene-d12	4612	21.259				
1520-96-3	Perylene-d12	4755	23.49				

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	SP-201-20240307	SDG No.:	BN031424
Lab Sample ID:	P1716-02	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN030395.D	1	3/8/2024 12:00:00 AM	3/14/2024 12:00:00 AM	PB159518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.02	U	0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.1	0.1	ug/L
Total PAH	Total PAH	0.45	U	0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.09	U	0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.03	J	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.02	U	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.03	J	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.03	J	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	J	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.03	J	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.24		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.03	J	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.03	J	0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.07	U	0.07	0.2	0.2	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.282		30-150		70	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.312		30-150		78	SPK: -0.4

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	SP-201-20240307	SDG No.:	BN031424
Lab Sample ID:	P1716-02	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN030395.D	1	3/8/2024 12:00:00 AM	3/14/2024 12:00:00 AM	PB159518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.092		10-92		23	SPK: -0.4
13127-88-3	Phenol-d6	0.036	*	10-100		9	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.209		11-175		52	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.302		10-175		75	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.209		24-148		52	SPK: -0.4
1718-51-0	Terphenyl-d14	0.366		54-171		91	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1633	7.645				
1146-65-2	Naphthalene-d8	3618	10.423				
15067-26-2	Acenaphthene-d10	2407	14.287				
1517-22-2	Phenanthrene-d10	5221	17.057				
1719-03-5	Chrysene-d12	5268	21.259				
1520-96-3	Perylene-d12	5888	23.487				

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	SP-303-20240307	SDG No.:	BN031424
Lab Sample ID:	P1716-03	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN030396.D	1	3/8/2024 12:00:00 AM	3/14/2024 12:00:00 AM	PB159518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.02	U	0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.1	0.1	ug/L
Total PAH	Total PAH	0.45	U	0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.09	U	0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.02	U	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.23		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.07	U	0.07	0.2	0.2	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.238		30-150		60	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.298		30-150		75	SPK: -0.4

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	SP-303-20240307	SDG No.:	BN031424
Lab Sample ID:	P1716-03	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN030396.D	1	3/8/2024 12:00:00 AM	3/14/2024 12:00:00 AM	PB159518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.073		10-92		18	SPK: -0.4
13127-88-3	Phenol-d6	0.03	*	10-100		7	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.187		11-175		47	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.293		10-175		73	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.149		24-148		37	SPK: -0.4
1718-51-0	Terphenyl-d14	0.361		54-171		90	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1595	7.645				
1146-65-2	Naphthalene-d8	3562	10.424				
15067-26-2	Acenaphthene-d10	2299	14.287				
1517-22-2	Phenanthrene-d10	4726	17.057				
1719-03-5	Chrysene-d12	4490	21.259				
1520-96-3	Perylene-d12	4566	23.49				

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	M6-CONCRETE	SDG No.:	BN031424
Lab Sample ID:	P1726-01	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	0
Sample Wt/Vol:	30.06 Units: g	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
BN030397.D	1	3/12/2024 12:00:00 AM	3/14/2024 12:00:00 AM	PB159550

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1.3	U	1.3	6.6	6.6	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	0.85	U	0.85	3.3	3.3	ug/Kg
91-20-3	Naphthalene	0.69	U	0.69	3.3	3.3	ug/Kg
87-68-3	Hexachlorobutadiene	0.69	U	0.69	3.3	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	0.8	U	0.8	3.3	3.3	ug/Kg
208-96-8	Acenaphthylene	0.63	U	0.63	3.3	3.3	ug/Kg
83-32-9	Acenaphthene	0.55	U	0.55	3.3	3.3	ug/Kg
Total PAH	Total PAH	39.2	U	14.61	3.3	52.8	ug/Kg
86-73-7	Fluorene	0.6	U	0.6	3.3	3.3	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	4.2	U	4.2	6.6	6.6	ug/Kg
101-55-3	4-Bromophenyl-phenylether	0.79	U	0.79	3.3	3.3	ug/Kg
118-74-1	Hexachlorobenzene	0.85	U	0.85	3.3	3.3	ug/Kg
1912-24-9	Atrazine	0.76	U	0.76	3.3	3.3	ug/Kg
87-86-5	Pentachlorophenol	2.8	U	2.8	6.6	6.6	ug/Kg
85-01-8	Phenanthrene	2.5	J	0.63	3.3	3.3	ug/Kg
120-12-7	Anthracene	0.79	U	0.79	3.3	3.3	ug/Kg
206-44-0	Fluoranthene	7.6		0.67	3.3	3.3	ug/Kg
129-00-0	Pyrene	4.8		0.95	3.3	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	2.8	J	0.76	3.3	3.3	ug/Kg
218-01-9	Chrysene	4.7		0.86	3.3	3.3	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	6.5	J	1.5	6.6	6.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	6.1		1.2	3.3	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	2.1	J	0.98	3.3	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	3	J	1.7	3.3	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2.5	J	1.3	3.3	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	3.3	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	3.1	J	1.1	3.3	3.3	ug/Kg
123-91-1	1,4-Dioxane	2.2	U	2.2	6.6	6.6	ug/Kg
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.209		21-128		52	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.221		13-127		55	SPK: -0.4

**Report of Analysis**

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	M6-CONCRETE	SDG No.:	BN031424
Lab Sample ID:	P1726-01	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	0
Sample Wt/Vol:	30.06	Units:	g
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
BN030397.D	1	3/12/2024 12:00:00 AM	3/14/2024 12:00:00 AM	PB159550

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.17		28-122		43	SPK: -0.4
13127-88-3	Phenol-d6	0.155		12-126		39	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.179		14-112		45	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.217		22-114		54	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.146		10-137		36	SPK: -0.4
1718-51-0	Terphenyl-d14	0.197		21-130		49	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1670	7.645				
1146-65-2	Naphthalene-d8	3786	10.423				
15067-26-2	Acenaphthene-d10	2395	14.287				
1517-22-2	Phenanthrene-d10	5099	17.044				
1719-03-5	Chrysene-d12	6164	21.259				
1520-96-3	Perylene-d12	8498	23.484				

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	PB159550BS	SDG No.:	BN031424
Lab Sample ID:	PB159550BS	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	0
Sample Wt/Vol:	30 Units: g	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
BN030398.D	1	3/12/2024 12:00:00 AM	3/14/2024 12:00:00 AM	PB159550

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.1		1.3	6.6	6.6	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	12		0.85	3.3	3.3	ug/Kg
91-20-3	Naphthalene	11.4		0.69	3.3	3.3	ug/Kg
87-68-3	Hexachlorobutadiene	10.5		0.69	3.3	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	11.2		0.8	3.3	3.3	ug/Kg
208-96-8	Acenaphthylene	11.8		0.63	3.3	3.3	ug/Kg
83-32-9	Acenaphthene	11.3		0.55	3.3	3.3	ug/Kg
Total PAH	Total PAH	184.1		14.61	3.3	52.8	ug/Kg
86-73-7	Fluorene	11.5		0.6	3.3	3.3	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	12.5		4.3	6.6	6.6	ug/Kg
101-55-3	4-Bromophenyl-phenylether	11.4		0.79	3.3	3.3	ug/Kg
118-74-1	Hexachlorobenzene	12.3		0.85	3.3	3.3	ug/Kg
1912-24-9	Atrazine	10.9		0.76	3.3	3.3	ug/Kg
87-86-5	Pentachlorophenol	18.9		2.8	6.6	6.6	ug/Kg
85-01-8	Phenanthrene	11.4		0.63	3.3	3.3	ug/Kg
120-12-7	Anthracene	11.3		0.79	3.3	3.3	ug/Kg
206-44-0	Fluoranthene	9.9		0.67	3.3	3.3	ug/Kg
129-00-0	Pyrene	12.4		0.95	3.3	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	11.2		0.76	3.3	3.3	ug/Kg
218-01-9	Chrysene	12.2		0.86	3.3	3.3	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	13.1		1.5	6.6	6.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	10.9		1.2	3.3	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	11.9		0.98	3.3	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	12.2		1.7	3.3	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	11.8		1.3	3.3	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	11.8		1.2	3.3	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	11.1		1.1	3.3	3.3	ug/Kg
123-91-1	1,4-Dioxane	8.3		2.2	6.6	6.6	ug/Kg
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.549	*	21-128		137	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.297		13-127		74	SPK: -0.4

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	PB159550BS	SDG No.:	BN031424
Lab Sample ID:	PB159550BS	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	0
Sample Wt/Vol:	30 Units: g	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
BN030398.D	1	3/12/2024 12:00:00 AM	3/14/2024 12:00:00 AM	PB159550

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.308		28-122		77	SPK: -0.4
13127-88-3	Phenol-d6	0.308		12-126		77	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.336		14-112		84	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.285		22-114		71	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.241		10-137		60	SPK: -0.4
1718-51-0	Terphenyl-d14	0.366		21-130		91	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2771	7.645				
1146-65-2	Naphthalene-d8	6602	10.423				
15067-26-2	Acenaphthene-d10	3595	14.286				
1517-22-2	Phenanthrene-d10	6760	17.044				
1719-03-5	Chrysene-d12	5347	21.259				
1520-96-3	Perylene-d12	6132	23.487				

Report of Analysis

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	PB159518BS	SDG No.:	BN031424
Lab Sample ID:	PB159518BS	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN030399.D	1	3/8/2024 12:00:00 AM	3/14/2024 12:00:00 AM	PB159518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.32		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.31		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.33		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.3		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.32		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.34		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.32		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.3		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.34		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.36		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.32		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.34		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.32		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.3		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.33		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.32		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.3		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.34		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.33		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.35		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.36		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.31		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.33		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.35		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.35		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.33		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.33		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.26		0.07	0.2	0.2	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.421		30-150		105	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.313		30-150		78	SPK: -0.4

**Report of Analysis**

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	PB159518BS	SDG No.:	BN031424
Lab Sample ID:	PB159518BS	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN030399.D	1	3/8/2024 12:00:00 AM	3/14/2024 12:00:00 AM	PB159518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.306		10-92		76	SPK: -0.4
13127-88-3	Phenol-d6	0.293		10-100		73	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.33		11-175		83	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.315		10-175		79	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.225		24-148		56	SPK: -0.4
1718-51-0	Terphenyl-d14	0.361		54-171		90	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2079	7.645				
1146-65-2	Naphthalene-d8	4785	10.423				
15067-26-2	Acenaphthene-d10	2590	14.287				
1517-22-2	Phenanthrene-d10	5102	17.044				
1719-03-5	Chrysene-d12	4397	21.25				
1520-96-3	Perylene-d12	5459	23.487				

Report of Analysis

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	PB159518BSD	SDG No.:	BN031424
Lab Sample ID:	PB159518BSD	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN030400.D	1	3/8/2024 12:00:00 AM	3/14/2024 12:00:00 AM	PB159518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.33		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.34		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.34		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.32		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.34		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.36		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.59		0.45	0.1	1.6	ug/L
83-32-9	Acenaphthene	0.33		0.02	0.1	0.1	ug/L
86-73-7	Fluorene	0.36		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.38		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.34		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.35		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.34		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.6		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.34		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.35		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.31		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.36		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.33		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.35		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.35		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.32		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.36		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.38		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.38		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.36		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.36		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.27		0.07	0.2	0.2	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.534		30-150		133	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.31		30-150		77	SPK: -0.4

Report of Analysis

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	PB159518BSD	SDG No.:	BN031424
Lab Sample ID:	PB159518BSD	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN030400.D	1	3/8/2024 12:00:00 AM	3/14/2024 12:00:00 AM	PB159518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.297		10-92		74	SPK: -0.4
13127-88-3	Phenol-d6	0.296		10-100		74	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.322		11-175		81	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.301		10-175		75	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.257		24-148		64	SPK: -0.4
1718-51-0	Terphenyl-d14	0.354		54-171		88	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1775	7.645				
1146-65-2	Naphthalene-d8	3989	10.423				
15067-26-2	Acenaphthene-d10	2231	14.286				
1517-22-2	Phenanthrene-d10	4495	17.044				
1719-03-5	Chrysene-d12	3873	21.25				
1520-96-3	Perylene-d12	4550	23.487				

Hit Summary Sheet

SW-846

SDG No.: BN031424

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : SP-100-20240307								
P1716-01	SP-100-20240307	Water	1,4-Dioxane	3.800		0.07	0.2	ug/L
P1716-01	SP-100-20240307	Water	Bis(2-ethylhexyl)phthalate	0.230		0.14	0.2	ug/L
Total Svoc :						4.03		
Total Concentration:						4.03		
Client ID : SP-201-20240307								
P1716-02	SP-201-20240307	Water	Benzo(a)anthracene	0.020	J	0.02	0.1	ug/L
P1716-02	SP-201-20240307	Water	Benzo(b)fluoranthene	0.030	J	0.03	0.1	ug/L
P1716-02	SP-201-20240307	Water	Benzo(k)fluoranthene	0.030	J	0.03	0.1	ug/L
P1716-02	SP-201-20240307	Water	Bis(2-ethylhexyl)phthalate	0.240		0.14	0.2	ug/L
P1716-02	SP-201-20240307	Water	Chrysene	0.030	J	0.03	0.1	ug/L
P1716-02	SP-201-20240307	Water	Fluoranthene	0.030	J	0.02	0.1	ug/L
P1716-02	SP-201-20240307	Water	Phenanthrene	0.030	J	0.02	0.1	ug/L
P1716-02	SP-201-20240307	Water	Pyrene	0.030	J	0.02	0.1	ug/L
Total Svoc :						0.44		
Total Concentration:						0.44		
Client ID : SP-303-20240307								
P1716-03	SP-303-20240307	Water	Bis(2-ethylhexyl)phthalate	0.230		0.14	0.2	ug/L
Total Svoc :						0.23		
Total Concentration:						0.23		
Client ID : M6-CONCRETE								
P1726-01	M6-CONCRETE	Solid	Benzo(a)anthracene	2.800	J	0.76	3.3	ug/Kg
P1726-01	M6-CONCRETE	Solid	Benzo(a)pyrene	3.000	J	1.7	3.3	ug/Kg
P1726-01	M6-CONCRETE	Solid	Benzo(b)fluoranthene	6.100		1.2	3.3	ug/Kg
P1726-01	M6-CONCRETE	Solid	Benzo(g,h,i)perylene	3.100	J	1.1	3.3	ug/Kg
P1726-01	M6-CONCRETE	Solid	Benzo(k)fluoranthene	2.100	J	0.98	3.3	ug/Kg
P1726-01	M6-CONCRETE	Solid	Bis(2-ethylhexyl)phthalate	6.500	J	1.5	6.6	ug/Kg
P1726-01	M6-CONCRETE	Solid	Chrysene	4.700		0.86	3.3	ug/Kg
P1726-01	M6-CONCRETE	Solid	Fluoranthene	7.600		0.67	3.3	ug/Kg
P1726-01	M6-CONCRETE	Solid	Indeno(1,2,3-cd)pyrene	2.500	J	1.3	3.3	ug/Kg
P1726-01	M6-CONCRETE	Solid	Phenanthrene	2.500	J	0.63	3.3	ug/Kg
P1726-01	M6-CONCRETE	Solid	Pyrene	4.800		0.95	3.3	ug/Kg
Total Svoc :						45.70		
Total Concentration:						45.70		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BN031324

SAS No.: BN031324

SDG No.: BN031324

Instrument ID:

Calibration Date(s): 3/13/2024 :

Calibration Time(s): 14:33

LAB FILE ID:		RRF0.1 = BN030381.D		RRF0.2 = BN030382.D		RRF0.4 = BN030383.D		
		RRF0.8 = BN030384.D		RRF1.6 = BN030385.D		RRF3.2 = BN030386.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.568	0.620	0.595	0.607	0.664	0.651	0.621	5.4
Fluoranthene-d10	1.151	1.164	1.092	1.138	1.197	1.212	1.160	3.4
n-Nitrosodimethylamine	0.468	0.549	0.439	0.510	0.537	0.544	0.509	8.1
2-Fluorophenol	1.088	1.077	1.015	1.010	1.063	1.055	1.041	3.8
Phenol-d6	0.905	0.957	0.945	0.969	1.116	1.121	1.015	9.0
bis(2-Chloroethyl)ether	0.804	0.758	0.750	0.784	0.866	0.891	0.816	6.9
Nitrobenzene-d5	0.333	0.328	0.331	0.360	0.406	0.402	0.367	10.2
Naphthalene	1.072	1.094	1.017	1.037	1.113	1.078	1.069	3.1
Hexachlorobutadiene	0.335	0.348	0.323	0.322	0.346	0.326	0.331	3.6
2-Methylnaphthalene	0.646	0.693	0.664	0.670	0.730	0.717	0.689	4.4
2-Fluorobiphenyl	1.374	1.560	1.478	1.605	1.806	1.737	1.610	9.5
Acenaphthylene	1.598	1.758	1.588	1.697	1.880	1.860	1.749	7.1
Acenaphthene	1.094	1.182	1.073	1.116	1.204	1.197	1.147	4.6
Fluorene	1.335	1.498	1.305	1.343	1.499	1.497	1.421	6.3
4,6-Dinitro-2-methylphenol		0.051	0.057	0.067	0.087	0.096	0.072	26.9
2,4,6-Tribromophenol	0.226	0.250	0.206	0.217	0.243	0.247	0.233	7.3
4-Bromophenyl-phenylether	0.211	0.231	0.218	0.233	0.256	0.257	0.236	7.6
Hexachlorobenzene	0.292	0.290	0.263	0.276	0.291	0.285	0.282	3.7
Atrazine	0.207	0.227	0.197	0.202	0.222	0.221	0.213	5.3
Pentachlorophenol	0.174	0.148	0.125	0.132	0.149	0.152	0.148	10.7
Phenanthrene	1.045	1.048	0.980	1.033	1.133	1.117	1.064	5.0
Anthracene	0.889	0.934	0.909	0.948	1.048	1.053	0.975	7.2
Fluoranthene	1.454	1.425	1.320	1.386	1.499	1.512	1.436	4.6
Pyrene	1.538	1.544	1.438	1.448	1.533	1.494	1.493	3.1
Terphenyl-d14	0.981	0.951	0.846	0.877	0.931	0.903	0.909	5.3
Benzo(a)anthracene	1.276	1.261	1.203	1.280	1.426	1.440	1.329	7.2
Chrysene	1.513	1.519	1.414	1.416	1.516	1.468	1.466	3.4
Bis(2-ethylhexyl)phthalate	0.822	0.786	0.639	0.642	0.665	0.666	0.694	11.0
Benzo(b)fluoranthene	1.212	1.255	1.184	1.267	1.378	1.443	1.305	7.6
Benzo(k)fluoranthene	1.237	1.273	1.208	1.298	1.423	1.417	1.320	6.6
Benzo(a)pyrene	1.147	1.135	1.136	1.204	1.286	1.299	1.211	6.1
Indeno(1,2,3-cd)pyrene	1.586	1.585	1.577	1.684	1.834	1.846	1.703	7.3
Dibenzo(a,h)anthracene	1.175	1.225	1.260	1.363	1.479	1.493	1.348	9.6
Benzo(g,h,i)perylene	1.498	1.539	1.493	1.598	1.696	1.677	1.590	5.2
1,4-Dioxane	0.629	0.624	0.526	0.523	0.556	0.520	0.555	9.1

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.: BN031424 SAS No.: BN031424 SDG NO.: BN031424EPA Sample No.: SSTDICCC0.4 Date Analyzed: Mar 14 2024 12:00AMLab File ID: BN030383.D Time Analyzed: 11:44Instrument 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	1486	7.789	3405	10.58	2077	14.45
	UPPER LIMIT	2972	8.289	6810	11.083	4154	14.947
	LOWER LIMIT	743	7.289	1702.5	10.083	1038.5	13.947
	EPA SAMPLE NO.						
01	PB159550BL	1850	7.65	4199	10.42	2398	14.29
02	PB159518BL	1795	7.65	3876	10.42	2349	14.30
03	SP-100-20240307	1486	7.65	3407	10.42	2174	14.29
04	SP-201-20240307	1633	7.65	3618	10.42	2407	14.29
05	SP-303-20240307	1595	7.65	3562	10.42	2299	14.29
06	M6-CONCRETE	1670	7.65	3786	10.42	2395	14.29
07	PB159550BS	2771	7.65	6602	10.42	3595	14.29
08	PB159518BS	2079	7.65	4785	10.42	2590	14.29
09	PB159518BSD	1775	7.65	3989	10.42	2231	14.29

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.: BN031424 SAS No.: BN031424 SDG NO.: BN031424

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Mar 14 2024 12:00AM

Lab File ID: BN030391.D Time Analyzed: 11:44

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	1747	7.638	4165	10.42	2533	14.29
UPPER LIMIT	3494	8.138	8330	10.924	5066	14.787
LOWER LIMIT	873.5	7.138	2082.5	9.924	1266.5	13.787
EPA SAMPLE NO.						
01 PB159550BL	1850	7.65	4199	10.42	2398	14.29
02 PB159518BL	1795	7.65	3876	10.42	2349	14.30
03 SP-100-20240307	1486	7.65	3407	10.42	2174	14.29
04 SP-201-20240307	1633	7.65	3618	10.42	2407	14.29
05 SP-303-20240307	1595	7.65	3562	10.42	2299	14.29
06 M6-CONCRETE	1670	7.65	3786	10.42	2395	14.29
07 PB159550BS	2771	7.65	6602	10.42	3595	14.29
08 PB159518BS	2079	7.65	4785	10.42	2590	14.29
09 PB159518BSD	1775	7.65	3989	10.42	2231	14.29

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.: BN031424 SAS No.: BN031424 SDG NO.: BN031424

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Mar 14 2024 12:00AM

Lab File ID: BN030383.D Time Analyzed: 11:44

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	4629	17.206	4493	21.438	5329	23.794
UPPER LIMIT	9258	17.706	8986	21.938	10658	24.294
LOWER LIMIT	2314.5	16.706	2246.5	20.938	2664.5	23.294
EPA SAMPLE NO.						
01 PB159550BL	4529	17.06	4234	21.26	5048	23.49
02 PB159518BL	4511	17.06	4381	21.26	5281	23.49
03 SP-100-20240307	4661	17.06	4612	21.26	4755	23.49
04 SP-201-20240307	5221	17.06	5268	21.26	5888	23.49
05 SP-303-20240307	4726	17.06	4490	21.26	4566	23.49
06 M6-CONCRETE	5099	17.04	6164	21.26	8498	23.48
07 PB159550BS	6760	17.04	5347	21.26	6132	23.49
08 PB159518BS	5102	17.04	4397	21.25	5459	23.49
09 PB159518BSD	4495	17.04	3873	21.25	4550	23.49

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.: BN031424 SAS No.: BN031424 SDG NO.: BN031424

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Mar 14 2024 12:00AM

Lab File ID: BN030391.D Time Analyzed: 11:44

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	5716	17.044	5711	21.25	6729	23.49
UPPER LIMIT	11432	17.544	11422	21.75	13458	23.99
LOWER LIMIT	2858	16.544	2855.5	20.75	3364.5	22.99
EPA SAMPLE NO.						
01 PB159550BL	4529	17.06	4234	21.26	5048	23.49
02 PB159518BL	4511	17.06	4381	21.26	5281	23.49
03 SP-100-20240307	4661	17.06	4612	21.26	4755	23.49
04 SP-201-20240307	5221	17.06	5268	21.26	5888	23.49
05 SP-303-20240307	4726	17.06	4490	21.26	4566	23.49
06 M6-CONCRETE	5099	17.04	6164	21.26	8498	23.48
07 PB159550BS	6760	17.04	5347	21.26	6132	23.49
08 PB159518BS	5102	17.04	4397	21.25	5459	23.49
09 PB159518BSD	4495	17.04	3873	21.25	4550	23.49

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.: BN031424

Client: _____

Analytical Method: 8270-Modified DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159518BS	n-Nitrosodimethylamine	0.4	0.32	ug/L	80				33	130		
	bis(2-Chloroethyl)ether	0.4	0.31	ug/L	78				55	118		
	Naphthalene	0.4	0.33	ug/L	83				67	120		
	Hexachlorobutadiene	0.4	0.3	ug/L	75				33	114		
	2-Methylnaphthalene	0.4	0.32	ug/L	80				50	122		
	Acenaphthylene	0.4	0.34	ug/L	85				60	119		
	Acenaphthene	0.4	0.32	ug/L	80				65	119		
	Total PAH	6.4	5.3	ug/L	83				65	119		
	Fluorene	0.4	0.34	ug/L	85				58	122		
	4,6-Dinitro-2-methylphenol	0.4	0.36	ug/L	90				20	150		
	4-Bromophenyl-phenylether	0.4	0.32	ug/L	80				20	150		
	Hexachlorobenzene	0.4	0.34	ug/L	85				62	127		
	Atrazine	0.4	0.32	ug/L	80				20	150		
	Pentachlorophenol	0.8	0.3	ug/L	38				10	137		
	Phenanthrene	0.4	0.33	ug/L	83				65	117		
	Anthracene	0.4	0.32	ug/L	80				57	118		
	Fluoranthene	0.4	0.3	ug/L	75				53	126		
	Pyrene	0.4	0.34	ug/L	85				54	124		
	Benzo(a)anthracene	0.4	0.33	ug/L	83				54	130		
	Chrysene	0.4	0.35	ug/L	88				64	126		
	bis(2-Ethylhexyl)phthalate	0.4	0.36	ug/L	90				40	137		
	Benzo(b)fluoranthene	0.4	0.31	ug/L	78				65	121		
	Benzo(k)fluoranthene	0.4	0.33	ug/L	83				72	119		
	Benzo(a)pyrene	0.4	0.35	ug/L	88				68	120		
	Indeno(1,2,3-cd)pyrene	0.4	0.35	ug/L	88				70	127		
	Dibenz(a,h)anthracene	0.4	0.33	ug/L	83				65	121		
	Benzo(g,h,i)perylene	0.4	0.33	ug/L	83				76	117		
	1,4-Dioxane	0.4	0.26	ug/L	65				60	132		
PB159518BSD	n-Nitrosodimethylamine	0.4	0.33	ug/L	83				33	130	20	
	bis(2-Chloroethyl)ether	0.4	0.34	ug/L	85				55	118	20	
	Naphthalene	0.4	0.34	ug/L	85				67	120	20	
	Hexachlorobutadiene	0.4	0.32	ug/L	80				33	114	20	
	2-Methylnaphthalene	0.4	0.34	ug/L	85				50	122	20	
	Acenaphthylene	0.4	0.36	ug/L	90				60	119	20	
	Acenaphthene	0.4	0.33	ug/L	83				65	119	20	
	Total PAH	6.4	5.59	ug/L	87				65	119	20	
	Fluorene	0.4	0.36	ug/L	90				58	122	20	
	4,6-Dinitro-2-methylphenol	0.4	0.38	ug/L	95				20	150	20	
	4-Bromophenyl-phenylether	0.4	0.34	ug/L	85				20	150	20	
	Hexachlorobenzene	0.4	0.35	ug/L	88				62	127	20	
	Atrazine	0.4	0.34	ug/L	85				20	150	20	
	Pentachlorophenol	0.8	0.6	ug/L	75				10	137	20	
	Phenanthrene	0.4	0.34	ug/L	85				65	117	20	
	Anthracene	0.4	0.35	ug/L	88				57	118	20	
	Fluoranthene	0.4	0.31	ug/L	78				53	126	20	
	Pyrene	0.4	0.36	ug/L	90				54	124	20	



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

SDG No.: BN031424

Client: _____

Analytical Method: 8270-Modified DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159518BSD	Benzo(a)anthracene	0.4	0.33	ug/L	83				54	130	20
	Chrysene	0.4	0.35	ug/L	88				64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.35	ug/L	88				40	137	20
	Benzo(b)fluoranthene	0.4	0.32	ug/L	80				65	121	20
	Benzo(k)fluoranthene	0.4	0.36	ug/L	90				72	119	20
	Benzo(a)pyrene	0.4	0.38	ug/L	95				68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.38	ug/L	95				70	127	20
	Dibenz(a,h)anthracene	0.4	0.36	ug/L	90				65	121	20
	Benzo(g,h,i)perylene	0.4	0.36	ug/L	90				76	117	20
	1,4-Dioxane	0.4	0.27	ug/L	68				60	132	20



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

SDG No.: BN031424

Client:

Analytical Method: 8270-Modified

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159550BS	n-Nitrosodimethylamine	13.3	10.1	ug/Kg	76				27	120		
	bis(2-Chloroethyl)ether	13.3	12	ug/Kg	90				48	114		
	Naphthalene	13.3	11.4	ug/Kg	86				63	120		
	Hexachlorobutadiene	13.3	10.5	ug/Kg	79				47	116		
	2-Methylnaphthalene	13.3	11.2	ug/Kg	84				54	111		
	Acenaphthylene	13.3	11.8	ug/Kg	89				61	110		
	Acenaphthene	13.3	11.3	ug/Kg	85				65	112		
	Total PAH	212.8	184.1	ug/Kg	87				65	112		
	Fluorene	13.3	11.5	ug/Kg	86				61	115		
	4,6-Dinitro-2-methylphenol	13.3	12.5	ug/Kg	94				20	150		
	4-Bromophenyl-phenylether	13.3	11.4	ug/Kg	86				20	150		
	Hexachlorobenzene	13.3	12.3	ug/Kg	92				52	117		
	Atrazine	13.3	10.9	ug/Kg	82				20	150		
	Pentachlorophenol	26.7	18.9	ug/Kg	71				47	116		
	Phenanthrene	13.3	11.4	ug/Kg	86				61	120		
	Anthracene	13.3	11.3	ug/Kg	85				60	115		
	Fluoranthene	13.3	9.9	ug/Kg	74				56	124		
	Pyrene	13.3	12.4	ug/Kg	93				58	125		
	Benzo(a)anthracene	13.3	11.2	ug/Kg	84				45	129		
	Chrysene	13.3	12.2	ug/Kg	92				62	123		
	bis(2-Ethylhexyl)phthalate	13.3	13.1	ug/Kg	98				60	119		
	Benzo(b)fluoranthene	13.3	10.9	ug/Kg	82				47	123		
	Benzo(k)fluoranthene	13.3	11.9	ug/Kg	89				69	123		
	Benzo(a)pyrene	13.3	12.2	ug/Kg	92				53	123		
	Indeno(1,2,3-cd)pyrene	13.3	11.8	ug/Kg	89				62	131		
	Dibenz(a,h)anthracene	13.3	11.8	ug/Kg	89				57	120		
	Benzo(g,h,i)perylene	13.3	11.1	ug/Kg	83				66	121		
	1,4-Dioxane	13.3	8.3	ug/Kg	62		*		70	130		



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159518BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN031424SAS No.: BN031424 SDG NO.: BN031424Lab File ID: BN030393.DLab Sample ID: PB159518BLInstrument ID: BNA_NDate Extracted: 03/08/2024Matrix: (soil/water) WaterDate Analyzed: 03/14/2024Level: (low/med) LOWTime Analyzed: 12:20

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SP-100-20240307	P1716-01	BN030394.D	03/14/2024
SP-201-20240307	P1716-02	BN030395.D	03/14/2024
SP-303-20240307	P1716-03	BN030396.D	03/14/2024
PB159518BS	PB159518BS	BN030399.D	03/14/2024
PB159518BSD	PB159518BSD	BN030400.D	03/14/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159550BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN031424SAS No.: BN031424 SDG NO.: BN031424Lab File ID: BN030392.DLab Sample ID: PB159550BLInstrument ID: BNA_NDate Extracted: 03/12/2024Matrix: (soil/water) SolidDate Analyzed: 03/14/2024Level: (low/med) LOWTime Analyzed: 11:44

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
M6-CONCRETE	P1726-01	BN030397.D	03/14/2024
PB159550BS	PB159550BS	BN030398.D	03/14/2024

COMMENTS: _____

Surrogate Summary
SW-846

SDG No.: BN031424

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1716-01	SP-100-20240307	BN030394.D	2-Methylnaphthalene-d10	0.4	0.26	65		30	150
			Fluoranthene-d10	0.4	0.32	81		30	150
			2-Fluorophenol	0.4	0.08	20		10	92
			Phenol-d6	0.4	0.04	9	*	10	100
			Nitrobenzene-d5	0.4	0.22	54		11	175
			2-Fluorobiphenyl	0.4	0.31	76		10	175
			2,4,6-Tribromophenol	0.4	0.18	46		24	148
			Terphenyl-d14	0.4	0.41	102		54	171
P1716-02	SP-201-20240307	BN030395.D	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
			Fluoranthene-d10	0.4	0.31	78		30	150
			2-Fluorophenol	0.4	0.09	23		10	92
			Phenol-d6	0.4	0.04	9	*	10	100
			Nitrobenzene-d5	0.4	0.21	52		11	175
			2-Fluorobiphenyl	0.4	0.30	75		10	175
			2,4,6-Tribromophenol	0.4	0.21	52		24	148
			Terphenyl-d14	0.4	0.37	91		54	171
P1716-03	SP-303-20240307	BN030396.D	2-Methylnaphthalene-d10	0.4	0.24	60		30	150
			Fluoranthene-d10	0.4	0.30	75		30	150
			2-Fluorophenol	0.4	0.07	18		10	92
			Phenol-d6	0.4	0.03	7	*	10	100
			Nitrobenzene-d5	0.4	0.19	47		11	175
			2-Fluorobiphenyl	0.4	0.29	73		10	175
			2,4,6-Tribromophenol	0.4	0.15	37		24	148
			Terphenyl-d14	0.4	0.36	90		54	171
PB159518BL	PB159518BL	BN030393.D	2-Methylnaphthalene-d10	0.4	0.31	79		30	150
			Fluoranthene-d10	0.4	0.32	81		30	150
			2-Fluorophenol	0.4	0.31	77		10	92
			Phenol-d6	0.4	0.24	59		10	100
			Nitrobenzene-d5	0.4	0.27	68		11	175
			2-Fluorobiphenyl	0.4	0.37	93		10	175
			2,4,6-Tribromophenol	0.4	0.21	53		24	148
			Terphenyl-d14	0.4	0.34	84		54	171
PB159518BS	PB159518BS	BN030399.D	2-Methylnaphthalene-d10	0.4	0.42	105		30	150
			Fluoranthene-d10	0.4	0.31	78		30	150
			2-Fluorophenol	0.4	0.31	76		10	92
			Phenol-d6	0.4	0.29	73		10	100
			Nitrobenzene-d5	0.4	0.33	83		11	175
			2-Fluorobiphenyl	0.4	0.32	79		10	175
			2,4,6-Tribromophenol	0.4	0.23	56		24	148
			Terphenyl-d14	0.4	0.36	90		54	171
PB159518BSD	PB159518BSD	BN030400.D	2-Methylnaphthalene-d10	0.4	0.53	133		30	150
			Fluoranthene-d10	0.4	0.31	77		30	150
			2-Fluorophenol	0.4	0.30	74		10	92
			Phenol-d6	0.4	0.30	74		10	100
			Nitrobenzene-d5	0.4	0.32	81		11	175
			2-Fluorobiphenyl	0.4	0.30	75		10	175
			2,4,6-Tribromophenol	0.4	0.26	64		24	148
			Terphenyl-d14	0.4	0.35	88		54	171



Surrogate Summary

SW-846

SDG No.: BN031424

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1726-01	M6-CONCRETE	BN030397.D	2-Methylnaphthalene-d10	0.4	0.21	52		21	128
			Fluoranthene-d10	0.4	0.22	55		13	127
			2-Fluorophenol	0.4	0.17	43		28	122
			Phenol-d6	0.4	0.16	39		12	126
			Nitrobenzene-d5	0.4	0.18	45		14	112
			2-Fluorobiphenyl	0.4	0.22	54		22	114
			2,4,6-Tribromophenol	0.4	0.15	36		10	137
			Terphenyl-d14	0.4	0.20	49		21	130
PB159550BL	PB159550BL	BN030392.D	2-Methylnaphthalene-d10	0.4	0.30	74		21	128
			Fluoranthene-d10	0.4	0.33	81		13	127
			2-Fluorophenol	0.4	0.32	80		28	122
			Phenol-d6	0.4	0.25	62		12	126
			Nitrobenzene-d5	0.4	0.28	70		14	112
			2-Fluorobiphenyl	0.4	0.41	102		22	114
			2,4,6-Tribromophenol	0.4	0.22	55		10	137
			Terphenyl-d14	0.4	0.35	88		21	130
PB159550BS	PB159550BS	BN030398.D	2-Methylnaphthalene-d10	0.4	0.55	137	*	21	128
			Fluoranthene-d10	0.4	0.30	74		13	127
			2-Fluorophenol	0.4	0.31	77		28	122
			Phenol-d6	0.4	0.31	77		12	126
			Nitrobenzene-d5	0.4	0.34	84		14	112
			2-Fluorobiphenyl	0.4	0.29	71		22	114
			2,4,6-Tribromophenol	0.4	0.24	60		10	137
			Terphenyl-d14	0.4	0.37	91		21	130



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN031424

Lab Code: CHEM

SAS No.: BN031424 SDG NO.: BN031424

Lab File ID: BN030390.D

DFTPP Injection Date: 03/14/2024

Instrument ID: BNA_N

DFTPP Injection Time: 10:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.6
68	Less than 2.0% of mass 69	0.9 (2) 1
69	Mass 69 relative abundance	42.6
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	41.2
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	29.5
365	Greater than 1% of mass 198	5.2
441	Present, but less than mass 443	11.1
442	Greater than 50% of mass 198	72.7
443	15.0 - 24.0% of mass 442	13.4 (18.5) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN030391.D	03/14/2024	11:08
PB159550BL	PB159550BL	BN030392.D	03/14/2024	11:44
PB159518BL	PB159518BL	BN030393.D	03/14/2024	12:20
SP-100-20240307	P1716-01	BN030394.D	03/14/2024	12:57
SP-201-20240307	P1716-02	BN030395.D	03/14/2024	13:33
SP-303-20240307	P1716-03	BN030396.D	03/14/2024	14:10
M6-CONCRETE	P1726-01	BN030397.D	03/14/2024	14:46
PB159550BS	PB159550BS	BN030398.D	03/14/2024	15:22
PB159518BS	PB159518BS	BN030399.D	03/14/2024	15:59
PB159518BSD	PB159518BSD	BN030400.D	03/14/2024	16:35
SSTDCCC0.4EC	SSTDCCC0.4	BN030401.D	03/14/2024	17:12