

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN082624 SAS No.: BN082624 SDG No.: BN082624

Instrument ID: BNA_N Calibration Date/Time: 8/26/2024 1:12:41

Lab File ID: BN033618.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	0.572	0.574		0.35	20.0
Fluoranthene-d10	0.961	1.080		12.383	20.0
n-Nitrosodimethylamine	0.535	0.515		-3.738	20.0
2-Fluorophenol	1.271	1.229		-3.304	20.0
Phenol-d6	1.512	1.552		2.646	20.0
bis(2-Chloroethyl)ether	1.072	1.112		3.731	20.0
Nitrobenzene-d5	0.332	0.341		2.711	20.0
Naphthalene	1.069	1.028		-3.835	20.0
Hexachlorobutadiene	0.213	0.202		-5.164	20.0
2-Methylnaphthalene	0.677	0.658		-2.806	20.0
2-Fluorobiphenyl	1.634	1.480		-9.425	20.0
Acenaphthylene	1.754	1.668		-4.903	20.0
Acenaphthene	1.234	1.103		-10.616	20.0
Fluorene	1.555	1.444		-7.138	20.0
4,6-Dinitro-2-methylphenol	0.062	0.064		3.226	20.0
2,4,6-Tribromophenol	0.215	0.246		14.419	20.0
4-Bromophenyl-phenylether	0.243	0.224		-7.819	20.0
Hexachlorobenzene	0.268	0.249		-7.09	20.0
Atrazine	0.194	0.225		15.979	20.0
Pentachlorophenol	0.116	0.165		42.241	20.0
Phenanthrene	1.113	1.052		-5.481	20.0
Anthracene	0.985	0.986		0.102	20.0
Fluoranthene	1.230	1.310		6.504	20.0
Pyrene	1.785	1.452		-18.655	20.0
Terphenyl-d14	0.909	0.793		-12.761	20.0
Benzo(a)anthracene	1.446	1.449		0.207	20.0
Chrysene	1.437	1.382		-3.827	20.0
Bis(2-ethylhexyl)phthalate	0.915	1.523		66.448	20.0
Benzo(b)fluoranthene	1.494	1.347		-9.839	20.0
Benzo(k)fluoranthene	1.470	1.310		-10.884	20.0
Benzo(a)pyrene	1.236	1.186		-4.045	20.0
Indeno(1,2,3-cd)pyrene	1.661	1.494		-10.054	20.0
Dibenzo(a,h)anthracene	1.328	1.196		-9.94	20.0
Benzo(g,h,i)perylene	1.420	1.243		-12.465	20.0
1,4-Dioxane	0.460	0.418		-9.13	20.0

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.: BN082624 SAS No.: BN082624 SDG No.: BN082624

Instrument ID: BNA_N Calibration Date/Time: 8/26/2024 1:18:44

Lab File ID: BN033628.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	0.572	0.518		-9.441	50.0
Fluoranthene-d10	0.961	0.955		-0.624	50.0
n-Nitrosodimethylamine	0.535	0.464		-13.271	50.0
2-Fluorophenol	1.271	1.003		-21.086	50.0
Phenol-d6	1.512	1.252		-17.196	50.0
bis(2-Chloroethyl) ether	1.072	1.058		-1.306	50.0
Nitrobenzene-d5	0.332	0.315		-5.12	50.0
Naphthalene	1.069	0.994		-7.016	50.0
Hexachlorobutadiene	0.213	0.202		-5.164	50.0
2-Methylnaphthalene	0.677	0.631		-6.795	50.0
2-Fluorobiphenyl	1.634	1.450		-11.261	50.0
Acenaphthylene	1.754	1.618		-7.754	50.0
Acenaphthene	1.234	1.092		-11.507	50.0
Fluorene	1.555	1.400		-9.968	50.0
4,6-Dinitro-2-methylphenol	0.062	0.048		-22.581	50.0
2,4,6-Tribromophenol	0.215	0.187		-13.023	50.0
4-Bromophenyl-phenylether	0.243	0.216		-11.111	50.0
Hexachlorobenzene	0.268	0.244		-8.955	50.0
Atrazine	0.194	0.180		-7.216	50.0
Pentachlorophenol	0.116	0.110		-5.172	50.0
Phenanthrene	1.113	1.036		-6.918	50.0
Anthracene	0.985	0.941		-4.467	50.0
Fluoranthene	1.230	1.239		0.732	50.0
Pyrene	1.785	1.465		-17.927	50.0
Terphenyl-d14	0.909	0.713		-21.562	50.0
Benzo(a)anthracene	1.446	1.382		-4.426	50.0
Chrysene	1.437	1.337		-6.959	50.0
Bis(2-ethylhexyl)phthalate	0.915	1.006		9.945	50.0
Benzo(b)fluoranthene	1.494	1.347		-9.839	50.0
Benzo(k)fluoranthene	1.470	1.341		-8.776	50.0
Benzo(a)pyrene	1.236	1.149		-7.039	50.0
Indeno(1,2,3-cd)pyrene	1.661	1.335		-19.627	50.0
Dibenzo(a,h)anthracene	1.328	1.074		-19.127	50.0
Benzo(g,h,i)perylene	1.420	1.108		-21.972	50.0
1,4-Dioxane	0.460	0.395		-14.13	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	PB162941BL	SDG No.:	BN082624
Lab Sample ID:	PB162941BL	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
BN033619.D	1	8/23/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162941

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

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	PB162941BL	SDG No.:	BN082624
Lab Sample ID:	PB162941BL	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
BN033619.D	1	8/23/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.378		20-139		94	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.424		30-150		106	SPK: -0.4
367-12-4	2-Fluorophenol	0.32		10-100		80	SPK: -0.4
13127-88-3	Phenol-d6	0.338		10-100		84	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.389		27-123		97	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.36		34-132		90	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.246		10-131		62	SPK: -0.4
1718-51-0	Terphenyl-d14	0.369		35-157		92	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7536	7.538				
1146-65-2	Naphthalene-d8	20679	10.304				
15067-26-2	Acenaphthene-d10	10609	14.178				
1517-22-2	Phenanthrene-d10	21803	16.929				
1719-03-5	Chrysene-d12	19369	21.139				
1520-96-3	Perylene-d12	20958	23.306				

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	PB162941BS	SDG No.:	BN082624
Lab Sample ID:	PB162941BS	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
BN033620.D	1	8/23/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.36		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.41		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.38		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.39		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.39		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.38		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.37		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.98		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.37		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.37		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.37		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.38		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.43		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.45		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.38		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.39		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.42		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.33		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.4		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.39		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.48		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.37		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.35		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	0.36		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	0.35		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.36		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	PB162941BS	SDG No.:	BN082624
Lab Sample ID:	PB162941BS	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
BN033620.D	1	8/23/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.397		20-139		99	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.448		30-150		112	SPK: -0.4
367-12-4	2-Fluorophenol	0.384		10-100		96	SPK: -0.4
13127-88-3	Phenol-d6	0.403	*	10-100		101	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.398		27-123		100	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.375		34-132		94	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.441		10-131		110	SPK: -0.4
1718-51-0	Terphenyl-d14	0.355		35-157		89	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5964	7.538				
1146-65-2	Naphthalene-d8	16631	10.304				
15067-26-2	Acenaphthene-d10	8622	14.178				
1517-22-2	Phenanthrene-d10	18234	16.929				
1719-03-5	Chrysene-d12	17064	21.139				
1520-96-3	Perylene-d12	20017	23.303				

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	PB162941BSD	SDG No.:	BN082624
Lab Sample ID:	PB162941BSD	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
BN033621.D	1	8/23/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.36		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.41		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.39		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.39		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.38		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.38		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.37		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.98		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.38		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.35		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.36		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.37		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.42		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.41		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.37		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.38		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.42		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.33		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.4		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.39		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.46		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.36		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	0.36		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	0.35		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.36		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	8/23/2024 12:00:00 AM
Project:		Date Received:	8/23/2024 12:00:00 AM
Client Sample ID:	PB162941BSD	SDG No.:	BN082624
Lab Sample ID:	PB162941BSD	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
BN033621.D	1	8/23/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.397		20-139		99	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.435		30-150		109	SPK: -0.4
367-12-4	2-Fluorophenol	0.379		10-100		95	SPK: -0.4
13127-88-3	Phenol-d6	0.399		10-100		100	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.393		27-123		98	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.378		34-132		94	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.429		10-131		107	SPK: -0.4
1718-51-0	Terphenyl-d14	0.352		35-157		88	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6478	7.538				
1146-65-2	Naphthalene-d8	17890	10.304				
15067-26-2	Acenaphthene-d10	9199	14.178				
1517-22-2	Phenanthrene-d10	19866	16.929				
1719-03-5	Chrysene-d12	18218	21.139				
1520-96-3	Perylene-d12	20890	23.303				

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	MW-12A-15.5-082024-JS	SDG No.:	BN082624
Lab Sample ID:	P3706-01	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN033622.D	1	8/23/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162941

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

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	MW-12A-15.5-082024-JS	SDG No.:	BN082624
Lab Sample ID:	P3706-01	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN033622.D	1	8/23/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.311		20-139		78	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.401		30-150		100	SPK: -0.4
367-12-4	2-Fluorophenol	0.113		10-100		28	SPK: -0.4
13127-88-3	Phenol-d6	0.069		10-100		17	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.347		27-123		87	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.412		34-132		103	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.366		10-131		91	SPK: -0.4
1718-51-0	Terphenyl-d14	0.4		35-157		100	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7274	7.538				
1146-65-2	Naphthalene-d8	20101	10.304				
15067-26-2	Acenaphthene-d10	10251	14.178				
1517-22-2	Phenanthrene-d10	21325	16.929				
1719-03-5	Chrysene-d12	18976	21.139				
1520-96-3	Perylene-d12	22150	23.303				

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	MW-13A-10.5-082024	SDG No.:	BN082624
Lab Sample ID:	P3706-02	Matrix:	Water
Analytical Method:	8270-Modified	% 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
BN033623.D	1	8/23/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162941

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	0.35		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	0.08	J	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

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	MW-13A-10.5-082024	SDG No.:	BN082624
Lab Sample ID:	P3706-02	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
BN033623.D	1	8/23/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		20-139		80	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.398		30-150		100	SPK: -0.4
367-12-4	2-Fluorophenol	0.124		10-100		31	SPK: -0.4
13127-88-3	Phenol-d6	0.08		10-100		20	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.352		27-123		88	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.374		34-132		94	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.368		10-131		92	SPK: -0.4
1718-51-0	Terphenyl-d14	0.433		35-157		108	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9080	7.538				
1146-65-2	Naphthalene-d8	25115	10.304				
15067-26-2	Acenaphthene-d10	13222	14.178				
1517-22-2	Phenanthrene-d10	27276	16.929				
1719-03-5	Chrysene-d12	23814	21.139				
1520-96-3	Perylene-d12	27015	23.303				

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	MW-10A-9.5-082024	SDG No.:	BN082624
Lab Sample ID:	P3706-03	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
BN033624.D	1	8/23/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162941

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	0.25		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	0.02	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	0.76		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	0.15	J	0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	MW-10A-9.5-082024	SDG No.:	BN082624
Lab Sample ID:	P3706-03	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
BN033624.D	1	8/23/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.196		20-139		49	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.266		30-150		67	SPK: -0.4
367-12-4	2-Fluorophenol	0.081		10-100		20	SPK: -0.4
13127-88-3	Phenol-d6	0.057		10-100		14	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.22		27-123		55	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.246		34-132		62	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.283		10-131		71	SPK: -0.4
1718-51-0	Terphenyl-d14	0.42		35-157		105	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6632	7.538				
1146-65-2	Naphthalene-d8	18507	10.304				
15067-26-2	Acenaphthene-d10	9705	14.178				
1517-22-2	Phenanthrene-d10	20610	16.929				
1719-03-5	Chrysene-d12	19237	21.139				
1520-96-3	Perylene-d12	21439	23.309				

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	EB01-082024	SDG No.:	BN082624
Lab Sample ID:	P3706-04	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
BN033625.D	1	8/23/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162941

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

Report of Analysis

Client:		Date Collected:	8/20/2024 12:00:00 AM
Project:		Date Received:	8/20/2024 12:00:00 AM
Client Sample ID:	EB01-082024	SDG No.:	BN082624
Lab Sample ID:	P3706-04	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
BN033625.D	1	8/23/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.305		20-139		76	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.406		30-150		101	SPK: -0.4
367-12-4	2-Fluorophenol	0.115		10-100		29	SPK: -0.4
13127-88-3	Phenol-d6	0.071		10-100		18	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.327		27-123		82	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.285		34-132		71	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.314		10-131		79	SPK: -0.4
1718-51-0	Terphenyl-d14	0.378		35-157		94	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6462	7.538				
1146-65-2	Naphthalene-d8	17784	10.304				
15067-26-2	Acenaphthene-d10	9524	14.178				
1517-22-2	Phenanthrene-d10	19106	16.929				
1719-03-5	Chrysene-d12	16819	21.139				
1520-96-3	Perylene-d12	18102	23.309				

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	S-908-K1-0.5-1.0-081524DL	SDG No.:	BN082624
Lab Sample ID:	P3641-04DL	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	8.2
Sample Wt/Vol:	30.03 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
BN033626.D	5	8/20/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162859

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	7.1	U	7.1	35.9	35.9	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	4.6	U	4.6	18	18	ug/Kg
91-20-3	Naphthalene	6.5	JD	3.8	18	18	ug/Kg
87-68-3	Hexachlorobutadiene	3.8	U	3.8	18	18	ug/Kg
91-57-6	2-Methylnaphthalene	8.2	JD	4.4	18	18	ug/Kg
208-96-8	Acenaphthylene	12.7	JD	3.4	18	18	ug/Kg
83-32-9	Acenaphthene	12.3	JD	3	18	18	ug/Kg
Total PAH	Total PAH	2241.4	D	79.1	18	288	ug/Kg
86-73-7	Fluorene	12.5	JD	3.3	18	18	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	23.1	U	23.1	35.9	35.9	ug/Kg
101-55-3	4-Bromophenyl-phenylether	4.3	U	4.3	18	18	ug/Kg
118-74-1	Hexachlorobenzene	4.6	U	4.6	18	18	ug/Kg
1912-24-9	Atrazine	4.1	U	4.1	18	18	ug/Kg
87-86-5	Pentachlorophenol	15.3	U	15.3	35.9	35.9	ug/Kg
85-01-8	Phenanthrene	210	D	3.4	18	18	ug/Kg
120-12-7	Anthracene	38.8	D	4.3	18	18	ug/Kg
206-44-0	Fluoranthene	450	D	3.6	18	18	ug/Kg
129-00-0	Pyrene	290	D	5.2	18	18	ug/Kg
56-55-3	Benzo(a)anthracene	170	D	4.1	18	18	ug/Kg
218-01-9	Chrysene	200	D	4.7	18	18	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	12.2	JD	8	35.9	35.9	ug/Kg
205-99-2	Benzo(b)fluoranthene	280	D	6.5	18	18	ug/Kg
207-08-9	Benzo(k)fluoranthene	96.7	D	5.3	18	18	ug/Kg
50-32-8	Benzo(a)pyrene	190	D	9	18	18	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	D	6.9	18	18	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.9	D	6.4	18	18	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	D	6.2	18	18	ug/Kg
123-91-1	1,4-Dioxane	12.1	U	12.1	35.9	35.9	ug/Kg

Report of Analysis

Client:		Date Collected:	8/15/2024 12:00:00 AM
Project:		Date Received:	8/15/2024 12:00:00 AM
Client Sample ID:	S-908-K1-0.5-1.0-081524DL	SDG No.:	BN082624
Lab Sample ID:	P3641-04DL	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	8.2
Sample Wt/Vol:	30.03 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
BN033626.D	5	8/20/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162859

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.23		17-161		57	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.23		23-138		57	SPK: -0.4
367-12-4	2-Fluorophenol	0.195		28-122		49	SPK: -0.4
13127-88-3	Phenol-d6	0.205		25-125		51	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.245		33-121		61	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.205		32-121		51	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.23		19-110		57	SPK: -0.4
1718-51-0	Terphenyl-d14	0.205		21-130		51	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6215	7.538				
1146-65-2	Naphthalene-d8	17163	10.304				
15067-26-2	Acenaphthene-d10	9287	14.178				
1517-22-2	Phenanthrene-d10	18620	16.929				
1719-03-5	Chrysene-d12	16234	21.139				
1520-96-3	Perylene-d12	16635	23.303				

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	S-901-J-0-0.5-081624DL	SDG No.:	BN082624
Lab Sample ID:	P3660-01DL	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	22
Sample Wt/Vol:	30.04 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
BN033627.D	5	8/19/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162844

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	8.4	U	8.4	42.3	42.3	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	5.4	U	5.4	21.1	21.1	ug/Kg
91-20-3	Naphthalene	12.6	JD	4.4	21.1	21.1	ug/Kg
87-68-3	Hexachlorobutadiene	4.4	U	4.4	21.1	21.1	ug/Kg
91-57-6	2-Methylnaphthalene	6.2	JD	5.1	21.1	21.1	ug/Kg
208-96-8	Acenaphthylene	10.2	JD	4	21.1	21.1	ug/Kg
83-32-9	Acenaphthene	33.3	D	3.5	21.1	21.1	ug/Kg
Total PAH	Total PAH	3324.4	D	93	21.1	337.6	ug/Kg
86-73-7	Fluorene	37.6	D	3.8	21.1	21.1	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	27.2	U	27.2	42.3	42.3	ug/Kg
101-55-3	4-Bromophenyl-phenylether	5.1	U	5.1	21.1	21.1	ug/Kg
118-74-1	Hexachlorobenzene	5.4	U	5.4	21.1	21.1	ug/Kg
1912-24-9	Atrazine	4.9	U	4.9	21.1	21.1	ug/Kg
87-86-5	Pentachlorophenol	18.1	U	18.1	42.3	42.3	ug/Kg
85-01-8	Phenanthrene	380	D	4	21.1	21.1	ug/Kg
120-12-7	Anthracene	98.4	D	5.1	21.1	21.1	ug/Kg
206-44-0	Fluoranthene	650	D	4.3	21.1	21.1	ug/Kg
129-00-0	Pyrene	420	D	6.1	21.1	21.1	ug/Kg
56-55-3	Benzo(a)anthracene	280	D	4.9	21.1	21.1	ug/Kg
218-01-9	Chrysene	280	D	5.5	21.1	21.1	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	57	D	9.4	42.3	42.3	ug/Kg
205-99-2	Benzo(b)fluoranthene	360	D	7.6	21.1	21.1	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	D	6.3	21.1	21.1	ug/Kg
50-32-8	Benzo(a)pyrene	290	D	10.6	21.1	21.1	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	D	8.1	21.1	21.1	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	42.3	D	7.5	21.1	21.1	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	D	7.3	21.1	21.1	ug/Kg
123-91-1	1,4-Dioxane	14.2	U	14.2	42.3	42.3	ug/Kg

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	S-901-J-0-0.5-081624DL	SDG No.:	BN082624
Lab Sample ID:	P3660-01DL	Matrix:	Solid
Analytical Method:	8270-Modified	% Moisture:	22
Sample Wt/Vol:	30.04 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
BN033627.D	5	8/19/2024 12:00:00 AM	8/26/2024 12:00:00 AM	PB162844

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.19		17-161		47	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.135		23-138		34	SPK: -0.4
367-12-4	2-Fluorophenol	0.18		28-122		45	SPK: -0.4
13127-88-3	Phenol-d6	0.195		25-125		49	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.245		33-121		61	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.165		32-121		41	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.195		19-110		49	SPK: -0.4
1718-51-0	Terphenyl-d14	0.11		21-130		28	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6159	7.537				
1146-65-2	Naphthalene-d8	17295	10.303				
15067-26-2	Acenaphthene-d10	8806	14.178				
1517-22-2	Phenanthrene-d10	18608	16.929				
1719-03-5	Chrysene-d12	16818	21.139				
1520-96-3	Perylene-d12	16722	23.302				

Hit Summary Sheet SW-846

SDG No.: BN082624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	S-908-K1-0.5-1.0-081524DL							
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	2-Methylnaphthalene	8.200	JD	4.4	18	ug/Kg
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	Acenaphthene	12.300	JD	3	18	ug/Kg
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	Acenaphthylene	12.700	JD	3.4	18	ug/Kg
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	Anthracene	38.800	D	4.3	18	ug/Kg
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	Benzo(a)anthracene	170.000	D	4.1	18	ug/Kg
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	Benzo(a)pyrene	190.000	D	9	18	ug/Kg
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	Benzo(b)fluoranthene	280.000	D	6.5	18	ug/Kg
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	Benzo(g,h,i)perylene	130.000	D	6.2	18	ug/Kg
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	Benzo(k)fluoranthene	96.700	D	5.3	18	ug/Kg
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	Bis(2-ethylhexyl)phthalate	12.200	JD	8	35.9	ug/Kg
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	Chrysene	200.000	D	4.7	18	ug/Kg
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	Dibenzo(a,h)anthracene	31.900	D	6.4	18	ug/Kg
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	Fluoranthene	450.000	D	3.6	18	ug/Kg
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	Fluorene	12.500	JD	3.3	18	ug/Kg
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	Indeno(1,2,3-cd)pyrene	110.000	D	6.9	18	ug/Kg
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	Naphthalene	6.500	JD	3.8	18	ug/Kg
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	Phenanthrene	210.000	D	3.4	18	ug/Kg
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	Pyrene	290.000	D	5.2	18	ug/Kg
P3641-04DL	S-908-K1-0.5-1.0-081524	Solid	Total PAH	2,241.000	D	79.1	288	ug/Kg
Total Svoc :				4,502.80				
Total Concentration:				4,502.80				
Client ID :	S-901-J-0-0.5-081624DL							
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	2-Methylnaphthalene	6.200	JD	5.1	21.1	ug/Kg
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	Acenaphthene	33.300	D	3.5	21.1	ug/Kg
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	Acenaphthylene	10.200	JD	4	21.1	ug/Kg
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	Anthracene	98.400	D	5.1	21.1	ug/Kg
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	Benzo(a)anthracene	280.000	D	4.9	21.1	ug/Kg
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	Benzo(a)pyrene	290.000	D	10.6	21.1	ug/Kg
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	Benzo(b)fluoranthene	360.000	D	7.6	21.1	ug/Kg
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	Benzo(g,h,i)perylene	160.000	D	7.3	21.1	ug/Kg
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	Benzo(k)fluoranthene	130.000	D	6.3	21.1	ug/Kg
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	Bis(2-ethylhexyl)phthalate	57.000	D	9.4	42.3	ug/Kg
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	Chrysene	280.000	D	5.5	21.1	ug/Kg
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	Dibenzo(a,h)anthracene	42.300	D	7.5	21.1	ug/Kg
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	Fluoranthene	650.000	D	4.3	21.1	ug/Kg
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	Fluorene	37.600	D	3.8	21.1	ug/Kg
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	Indeno(1,2,3-cd)pyrene	140.000	D	8.1	21.1	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BN082624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	Naphthalene	12.600	JD	4.4	21.1	ug/Kg
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	Phenanthrene	380.000	D	4	21.1	ug/Kg
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	Pyrene	420.000	D	6.1	21.1	ug/Kg
P3660-01DL	S-901-J-0-0.5-081624DL	Solid	Total PAH	3,324.000	D	93	337.6	ug/Kg
Total Svoc :				6,711.60				
Total Concentration:				6,711.60				
Client ID :	MW-13A-10.5-082024							
P3706-02	MW-13A-10.5-082024	Water	Acenaphthene	0.350		0.02	0.1	ug/L
P3706-02	MW-13A-10.5-082024	Water	Fluorene	0.080	J	0.02	0.1	ug/L
Total Svoc :				0.43				
Total Concentration:				0.43				
Client ID :	MW-10A-9.5-082024							
P3706-03	MW-10A-9.5-082024	Water	1,4-Dioxane	0.150	J	0.07	0.2	ug/L
P3706-03	MW-10A-9.5-082024	Water	Bis(2-ethylhexyl)phthalate	0.760		0.14	0.2	ug/L
P3706-03	MW-10A-9.5-082024	Water	Pentachlorophenol	0.250		0.09	0.2	ug/L
P3706-03	MW-10A-9.5-082024	Water	Phenanthrene	0.030	J	0.02	0.1	ug/L
Total Svoc :				1.19				
Total Concentration:				1.19				

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN081924 SAS No.: BN081924 SDG No.: BN081924

Instrument ID: _____ Calibration Date(s): 8/19/2024 : _____

Calibration Time(s): 16:16 _____

LAB FILE ID:		RRF0.1 = BN033479.D		RRF0.2 = BN033480.D		RRF0.4 = BN033481.D		
		RRF0.8 = BN033482.D		RRF1.6 = BN033483.D		RRF3.2 = BN033484.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.577	0.566	0.492	0.616	0.603	0.566	0.572	7.0
Fluoranthene-d10	0.947	0.919	0.870	1.011	1.015	0.968	0.961	5.6
n-Nitrosodimethylamine	0.545	0.550	0.456	0.615	0.575	0.521	0.535	10.0
2-Fluorophenol	1.276	1.281	1.267	1.350	1.327	1.196	1.271	4.5
Phenol-d6	1.555	1.576	1.360	1.677	1.598	1.464	1.512	8.1
bis(2-Chloroethyl)ether	1.170	1.144	0.753	1.227	1.166	1.067	1.072	15.1
Nitrobenzene-d5	0.341	0.324	0.303	0.352	0.345	0.322	0.332	5.0
Naphthalene	1.082	1.068	0.947	1.155	1.127	1.042	1.069	6.2
Hexachlorobutadiene	0.217	0.213	0.192	0.230	0.225	0.207	0.213	5.9
2-Methylnaphthalene	0.665	0.667	0.586	0.732	0.716	0.678	0.677	7.0
2-Fluorobiphenyl	1.627	1.601	1.487	1.761	1.731	1.609	1.634	5.5
Acenaphthylene	1.626	1.609	1.535	1.870	1.893	1.837	1.754	9.0
Acenaphthene	1.185	1.177	1.104	1.325	1.322	1.249	1.234	6.7
Fluorene	1.558	1.483	1.381	1.667	1.647	1.567	1.555	6.3
4,6-Dinitro-2-methylphenol	0.051	0.051	0.051	0.064	0.069	0.072	0.062	18.8
2,4,6-Tribromophenol	0.212	0.202	0.185	0.220	0.226	0.223	0.215	8.0
4-Bromophenyl-phenylether	0.241	0.231	0.222	0.255	0.255	0.246	0.243	5.2
Hexachlorobenzene	0.271	0.260	0.249	0.281	0.280	0.266	0.268	4.2
Atrazine	0.188	0.184	0.173	0.201	0.203	0.198	0.194	6.5
Pentachlorophenol	0.114	0.098	0.097	0.118	0.122	0.128	0.116	12.8
Phenanthrene	1.093	1.067	1.033	1.177	1.168	1.113	1.113	4.7
Anthracene	0.931	0.912	0.876	1.035	1.046	1.035	0.985	7.7
Fluoranthene	1.178	1.153	1.106	1.303	1.313	1.266	1.230	6.7
Pyrene	1.756	1.763	1.704	1.901	1.855	1.751	1.785	3.8
Terphenyl-d14	0.907	0.896	0.862	0.966	0.943	0.890	0.909	3.8
Benzo (a) anthracene	1.485	1.369	1.317	1.525	1.529	1.426	1.446	5.5
Chrysene	1.435	1.392	1.331	1.557	1.514	1.403	1.437	5.3
Bis(2-ethylhexyl)phthalate	1.206	0.914	0.814	0.870	0.869	0.845	0.915	14.4
Benzo (b) fluoranthene	1.524	1.432	1.336	1.578	1.573	1.480	1.494	5.8
Benzo (k) fluoranthene	1.439	1.393	1.324	1.556	1.576	1.492	1.470	6.1
Benzo (a) pyrene	1.228	1.162	1.096	1.309	1.317	1.251	1.236	6.6
Indeno (1,2,3-cd) pyrene	1.616	1.580	1.535	1.779	1.759	1.661	1.661	5.4
Dibenzo (a,h) anthracene	1.283	1.264	1.231	1.426	1.410	1.329	1.328	5.6
Benzo (g,h,i) perylene	1.399	1.372	1.296	1.518	1.506	1.413	1.420	5.4
1,4-Dioxane	0.523	0.513	0.329	0.524	0.488	0.452	0.460	16.2

All other compounds must meet a minimum RRF of 0.010.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN082624 SAS No.: BN082624 SDG NO.: BN082624

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 26 2024 12:00AM

Lab File ID: BN033481.D Time Analyzed: 13:20

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	12893	7.559	24390	10.31	12011	14.19
UPPER LIMIT	25786	8.059	48780	10.814	24022	14.689
LOWER LIMIT	6446.5	7.059	12195	9.814	6005.5	13.689
EPA SAMPLE NO.						
01 PB162941BL	7536	7.54	20679	10.30	10609	14.18
02 PB162941BS	5964 *	7.54	16631	10.30	8622	14.18
03 PB162941BSD	6478	7.54	17890	10.30	9199	14.18
04 MW-12A-15.5-082024-JS	7274	7.54	20101	10.30	10251	14.18
05 MW-13A-10.5-082024	9080	7.54	25115	10.30	13222	14.18
06 MW-10A-9.5-082024	6632	7.54	18507	10.30	9705	14.18
07 EB01-082024	6462	7.54	17784	10.30	9524	14.18
08 S-908-K1-0.5-1.0-081524DL	6215 *	7.54	17163	10.30	9287	14.18
09 S-901-J-0-0.5-081624DL	6159 *	7.54	17295	10.30	8806	14.18

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN082624 SAS No.: BN082624 SDG NO.: BN082624

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 26 2024 12:00AM

Lab File ID: BN033618.D Time Analyzed: 13:20

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	6771	7.538	18820	10.29	10111	14.18
UPPER LIMIT	13542	8.038	37640	10.793	20222	14.678
LOWER LIMIT	3385.5	7.038	9410	9.793	5055.5	13.678
EPA SAMPLE NO.						
01 PB162941BL	7536	7.54	20679	10.30	10609	14.18
02 PB162941BS	5964	7.54	16631	10.30	8622	14.18
03 PB162941BSD	6478	7.54	17890	10.30	9199	14.18
04 MW-12A-15.5-082024-JS	7274	7.54	20101	10.30	10251	14.18
05 MW-13A-10.5-082024	9080	7.54	25115	10.30	13222	14.18
06 MW-10A-9.5-082024	6632	7.54	18507	10.30	9705	14.18
07 EB01-082024	6462	7.54	17784	10.30	9524	14.18
08 S-908-K1-0.5-1.0-081524DL	6215	7.54	17163	10.30	9287	14.18
09 S-901-J-0-0.5-081624DL	6159	7.54	17295	10.30	8806	14.18

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN082624 SAS No.: BN082624 SDG NO.: BN082624

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 26 2024 12:00AM

Lab File ID: BN033481.D Time Analyzed: 13:20

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	24497	16.942	16119	21.148	15903	23.32
UPPER LIMIT	48994	17.442	32238	21.648	31806	23.82
LOWER LIMIT	12248.5	16.442	8059.5	20.648	7951.5	22.82
EPA SAMPLE NO.						
01 PB162941BL	21803	16.93	19369	21.14	20958	23.31
02 PB162941BS	18234	16.93	17064	21.14	20017	23.30
03 PB162941BSD	19866	16.93	18218	21.14	20890	23.30
04 MW-12A-15.5-082024-JS	21325	16.93	18976	21.14	22150	23.30
05 MW-13A-10.5-082024	27276	16.93	23814	21.14	27015	23.30
06 MW-10A-9.5-082024	20610	16.93	19237	21.14	21439	23.31
07 EB01-082024	19106	16.93	16819	21.14	18102	23.31
08 S-908-K1-0.5-1.0-081524DL	18620	16.93	16234	21.14	16635	23.30
09 S-901-J-0-0.5-081624DL	18608	16.93	16818	21.14	16722	23.30

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN082624 SAS No.: BN082624 SDG NO.: BN082624

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 26 2024 12:00AM

Lab File ID: BN033618.D Time Analyzed: 13:20

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	21042	16.929	20165	21.139	23453	23.303
UPPER LIMIT	42084	17.429	40330	21.639	46906	23.803
LOWER LIMIT	10521	16.429	10082.5	20.639	11726.5	22.803
EPA SAMPLE NO.						
01 PB162941BL	21803	16.93	19369	21.14	20958	23.31
02 PB162941BS	18234	16.93	17064	21.14	20017	23.30
03 PB162941BSD	19866	16.93	18218	21.14	20890	23.30
04 MW-12A-15.5-082024-JS	21325	16.93	18976	21.14	22150	23.30
05 MW-13A-10.5-082024	27276	16.93	23814	21.14	27015	23.30
06 MW-10A-9.5-082024	20610	16.93	19237	21.14	21439	23.31
07 EB01-082024	19106	16.93	16819	21.14	18102	23.31
08 S-908-K1-0.5-1.0-081524DL	18620	16.93	16234	21.14	16635	23.30
09 S-901-J-0-0.5-081624DL	18608	16.93	16818	21.14	16722	23.30

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.: **BN082624**

Client:

Analytical Method: **8270-Modified**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB162941BS	n-Nitrosodimethylamine	0.4	0.36	ug/L	90				33	130	
	bis(2-Chloroethyl)ether	0.4	0.41	ug/L	103				55	118	
	Naphthalene	0.4	0.38	ug/L	95				67	120	
	Hexachlorobutadiene	0.4	0.39	ug/L	98				33	114	
	2-Methylnaphthalene	0.4	0.39	ug/L	98				50	122	
	Acenaphthylene	0.4	0.38	ug/L	95				60	119	
	Acenaphthene	0.4	0.37	ug/L	93				65	119	
	Total PAH	6.4	5.98	ug/L	93				65	119	
	Fluorene	0.4	0.37	ug/L	93				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.37	ug/L	93				20	150	
	4-Bromophenyl-phenylether	0.4	0.37	ug/L	93				20	150	
	Hexachlorobenzene	0.4	0.38	ug/L	95				62	127	
	Atrazine	0.4	0.43	ug/L	108				20	150	
	Pentachlorophenol	0.8	0.45	ug/L	56				10	137	
	Phenanthrene	0.4	0.38	ug/L	95				65	117	
	Anthracene	0.4	0.39	ug/L	98				57	118	
	Fluoranthene	0.4	0.42	ug/L	105				53	126	
	Pyrene	0.4	0.33	ug/L	83				54	124	
	Benzo(a)anthracene	0.4	0.4	ug/L	100				54	130	
	Chrysene	0.4	0.39	ug/L	98				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.48	ug/L	120				40	137	
	Benzo(b)fluoranthene	0.4	0.37	ug/L	93				65	121	
	Benzo(k)fluoranthene	0.4	0.35	ug/L	88				72	119	
	Benzo(a)pyrene	0.4	0.38	ug/L	95				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.36	ug/L	90				70	127	
	Dibenz(a,h)anthracene	0.4	0.36	ug/L	90				65	121	
	Benzo(g,h,i)perylene	0.4	0.35	ug/L	88				76	117	
	1,4-Dioxane	0.4	0.36	ug/L	90				42	127	
PB162941BSD	n-Nitrosodimethylamine	0.4	0.36	ug/L	90	0			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.41	ug/L	103	0			55	118	20
	Naphthalene	0.4	0.39	ug/L	98	3			67	120	20
	Hexachlorobutadiene	0.4	0.39	ug/L	98	0			33	114	20
	2-Methylnaphthalene	0.4	0.38	ug/L	95	3			50	122	20
	Acenaphthylene	0.4	0.38	ug/L	95	0			60	119	20
	Acenaphthene	0.4	0.37	ug/L	93	0			65	119	20
	Total PAH	6.4	5.98	ug/L	93	0			65	119	20
	Fluorene	0.4	0.38	ug/L	95	3			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.35	ug/L	88	6			20	150	20
	4-Bromophenyl-phenylether	0.4	0.36	ug/L	90	3			20	150	20
	Hexachlorobenzene	0.4	0.37	ug/L	93	3			62	127	20
	Atrazine	0.4	0.42	ug/L	105	2			20	150	20
	Pentachlorophenol	0.8	0.41	ug/L	51	9			10	137	20
	Phenanthrene	0.4	0.37	ug/L	93	3			65	117	20
	Anthracene	0.4	0.38	ug/L	95	3			57	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN082624

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB162941BSD	Fluoranthene	0.4	0.42	ug/L	105	0			53	126	20
	Pyrene	0.4	0.33	ug/L	83	0			54	124	20
	Benzo(a)anthracene	0.4	0.4	ug/L	100	0			54	130	20
	Chrysene	0.4	0.39	ug/L	98	0			64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.46	ug/L	115	4			40	137	20
	Benzo(b)fluoranthene	0.4	0.36	ug/L	90	3			65	121	20
	Benzo(k)fluoranthene	0.4	0.36	ug/L	90	3			72	119	20
	Benzo(a)pyrene	0.4	0.38	ug/L	95	0			68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.36	ug/L	90	0			70	127	20
	Dibenz(a,h)anthracene	0.4	0.36	ug/L	90	0			65	121	20
	Benzo(g,h,i)perylene	0.4	0.35	ug/L	88	0			76	117	20
	1,4-Dioxane	0.4	0.36	ug/L	90	0			42	127	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162941BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN082624

SAS No.: BN082624 SDG NO.: BN082624

Lab File ID: BN033619.D

Lab Sample ID: PB162941BL

Instrument ID: BNA_N

Date Extracted: 08/23/2024

Matrix: (soil/water) Water

Date Analyzed: 08/26/2024

Level: (low/med) LOW

Time Analyzed: 13:20

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162941BS	PB162941BS	BN033620.D	08/26/2024
PB162941BSD	PB162941BSD	BN033621.D	08/26/2024
MW-12A-15.5-082024-JS	P3706-01	BN033622.D	08/26/2024
MW-13A-10.5-082024	P3706-02	BN033623.D	08/26/2024
MW-10A-9.5-082024	P3706-03	BN033624.D	08/26/2024
EB01-082024	P3706-04	BN033625.D	08/26/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BN082624

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
P3660-01DL	S-901-J-0-0.5-0816:BN033627.D		2-Methylnaphthalene-d10	0.4	0.19	47		17	161
			Fluoranthene-d10	0.4	0.14	34		23	138
			2-Fluorophenol	0.4	0.18	45		28	122
			Phenol-d6	0.4	0.20	49		25	125
			Nitrobenzene-d5	0.4	0.25	61		33	121
			2-Fluorobiphenyl	0.4	0.17	41		32	121
			2,4,6-Tribromophenol	0.4	0.20	49		19	110
			Terphenyl-d14	0.4	0.11	28		21	130

Surrogate Summary

SW-846

SDG No.: BN082624

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
P3641-04DL	S-908-K1-0.5-1.0-0	BN033626.D	2-Methylnaphthalene-d10	0.4	0.23	57		17	161
			Fluoranthene-d10	0.4	0.23	57		23	138
			2-Fluorophenol	0.4	0.20	49		28	122
			Phenol-d6	0.4	0.21	51		25	125
			Nitrobenzene-d5	0.4	0.25	61		33	121
			2-Fluorobiphenyl	0.4	0.21	51		32	121
			2,4,6-Tribromophenol	0.4	0.23	57		19	110
			Terphenyl-d14	0.4	0.21	51		21	130

Surrogate Summary

SW-846

SDG No.: **BN082624**

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3706-01	MW-12A-15.5-082(BN033622.D		2-Methylnaphthalene-d10	0.4	0.31	78		20	139
			Fluoranthene-d10	0.4	0.40	100		30	150
			2-Fluorophenol	0.4	0.11	28		10	100
			Phenol-d6	0.4	0.07	17		10	100
			Nitrobenzene-d5	0.4	0.35	87		27	123
			2-Fluorobiphenyl	0.4	0.41	103		34	132
			2,4,6-Tribromophenol	0.4	0.37	91		10	131
			Terphenyl-d14	0.4	0.40	100		35	157
P3706-02	MW-13A-10.5-082(BN033623.D		2-Methylnaphthalene-d10	0.4	0.32	80		20	139
			Fluoranthene-d10	0.4	0.40	100		30	150
			2-Fluorophenol	0.4	0.12	31		10	100
			Phenol-d6	0.4	0.08	20		10	100
			Nitrobenzene-d5	0.4	0.35	88		27	123
			2-Fluorobiphenyl	0.4	0.37	94		34	132
			2,4,6-Tribromophenol	0.4	0.37	92		10	131
			Terphenyl-d14	0.4	0.43	108		35	157
P3706-03	MW-10A-9.5-0820(BN033624.D		2-Methylnaphthalene-d10	0.4	0.20	49		20	139
			Fluoranthene-d10	0.4	0.27	67		30	150
			2-Fluorophenol	0.4	0.08	20		10	100
			Phenol-d6	0.4	0.06	14		10	100
			Nitrobenzene-d5	0.4	0.22	55		27	123
			2-Fluorobiphenyl	0.4	0.25	62		34	132
			2,4,6-Tribromophenol	0.4	0.28	71		10	131
			Terphenyl-d14	0.4	0.42	105		35	157
P3706-04	EB01-082024	BN033625.D	2-Methylnaphthalene-d10	0.4	0.31	76		20	139
			Fluoranthene-d10	0.4	0.41	101		30	150
			2-Fluorophenol	0.4	0.12	29		10	100
			Phenol-d6	0.4	0.07	18		10	100
			Nitrobenzene-d5	0.4	0.33	82		27	123
			2-Fluorobiphenyl	0.4	0.29	71		34	132
			2,4,6-Tribromophenol	0.4	0.31	79		10	131
			Terphenyl-d14	0.4	0.38	94		35	157
PB162941BL	PB162941BL	BN033619.D	2-Methylnaphthalene-d10	0.4	0.38	94		20	139
			Fluoranthene-d10	0.4	0.42	106		30	150
			2-Fluorophenol	0.4	0.32	80		10	100
			Phenol-d6	0.4	0.34	84		10	100
			Nitrobenzene-d5	0.4	0.39	97		27	123
			2-Fluorobiphenyl	0.4	0.36	90		34	132
			2,4,6-Tribromophenol	0.4	0.25	62		10	131
			Terphenyl-d14	0.4	0.37	92		35	157
PB162941BS	PB162941BS	BN033620.D	2-Methylnaphthalene-d10	0.4	0.40	99		20	139
			Fluoranthene-d10	0.4	0.45	112		30	150
			2-Fluorophenol	0.4	0.38	96		10	100
			Phenol-d6	0.4	0.40	101	*	10	100
			Nitrobenzene-d5	0.4	0.40	100		27	123
			2-Fluorobiphenyl	0.4	0.38	94		34	132
			2,4,6-Tribromophenol	0.4	0.44	110		10	131
			Terphenyl-d14	0.4	0.36	89		35	157
PB162941BSD	PB162941BSD	BN033621.D	2-Methylnaphthalene-d10	0.4	0.40	99		20	139

Surrogate Summary

SW-846

SDG No.: BN082624

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162941BSD	PB162941BSD	BN033621.D	Fluoranthene-d10	0.4	0.44	109		30	150
			2-Fluorophenol	0.4	0.38	95		10	100
			Phenol-d6	0.4	0.40	100		10	100
			Nitrobenzene-d5	0.4	0.39	98		27	123
			2-Fluorobiphenyl	0.4	0.38	94		34	132
			2,4,6-Tribromophenol	0.4	0.43	107		10	131
			Terphenyl-d14	0.4	0.35	88		35	157

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN082624

Lab Code: CHEM

SAS No.: BN082624

SDG NO.: BN082624

Lab File ID: BN033617.D

DFTPP Injection Date: 08/26/2024

Instrument ID: BNA_N

DFTPP Injection Time: 10:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.3
68	Less than 2.0% of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	39.9
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	48.3
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	26.2
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	11.1
442	Greater than 50% of mass 198	73.9
443	15.0 - 24.0% of mass 442	13.7 (18.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN033618.D	08/26/2024	12:41
PB162941BL	PB162941BL	BN033619.D	08/26/2024	13:20
PB162941BS	PB162941BS	BN033620.D	08/26/2024	13:56
PB162941BSD	PB162941BSD	BN033621.D	08/26/2024	14:32
MW-12A-15.5-082024-JS	P3706-01	BN033622.D	08/26/2024	15:08
MW-13A-10.5-082024	P3706-02	BN033623.D	08/26/2024	15:44
MW-10A-9.5-082024	P3706-03	BN033624.D	08/26/2024	16:20
EB01-082024	P3706-04	BN033625.D	08/26/2024	16:56
S-908-K1-0.5-1.0-081524DL	P3641-04DL	BN033626.D	08/26/2024	17:32
S-901-J-0-0.5-081624DL	P3660-01DL	BN033627.D	08/26/2024	18:08
SSTDCCC0.4EC	SSTDCCC0.4	BN033628.D	08/26/2024	18:44