

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN050824 SAS No.: BN050824 SDG No.: BN050824

Instrument ID: BNA_N Calibration Date/Time: 5/8/2024 12:10:23

Lab File ID: BN031432.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	0.592	0.634		7.095	20.0
Fluoranthene-d10	1.082	0.979		-9.519	20.0
n-Nitrosodimethylamine	0.476	0.441		-7.353	20.0
2-Fluorophenol	0.937	0.848		-9.498	20.0
Phenol-d6	1.113	1.005		-9.704	20.0
bis(2-Chloroethyl) ether	1.040	0.962		-7.5	20.0
Nitrobenzene-d5	0.351	0.300		-14.53	20.0
Naphthalene	1.118	1.018		-8.945	20.0
Hexachlorobutadiene	0.233	0.249		6.867	20.0
2-Methylnaphthalene	0.687	0.727		5.822	20.0
2-Fluorobiphenyl	1.480	1.240		-16.216	20.0
Acenaphthylene	1.755	1.575		-10.256	20.0
Acenaphthene	1.203	1.177		-2.161	20.0
Fluorene	1.556	1.514		-2.699	20.0
4,6-Dinitro-2-methylphenol	0.064	0.042		-34.375	20.0
2,4,6-Tribromophenol	0.178	0.137		-23.034	20.0
4-Bromophenyl-phenylether	0.231	0.217		-6.061	20.0
Hexachlorobenzene	0.264	0.258		-2.273	20.0
Atrazine	0.181	0.153		-15.47	20.0
Pentachlorophenol	0.109	0.076		-30.275	20.0
Phenanthrene	1.148	1.087		-5.314	20.0
Anthracene	0.965	0.855		-11.399	20.0
Fluoranthene	1.402	1.261		-10.057	20.0
Pyrene	1.612	1.503		-6.762	20.0
Terphenyl-d14	1.015	0.912		-10.148	20.0
Benzo(a)anthracene	1.381	1.265		-8.4	20.0
Chrysene	1.439	1.418		-1.459	20.0
Bis(2-ethylhexyl)phthalate	0.730	0.610		-16.438	20.0
Benzo(b)fluoranthene	1.569	1.490		-5.035	20.0
Benzo(k)fluoranthene	1.539	1.448		-5.913	20.0
Benzo(a)pyrene	1.317	1.277		-3.037	20.0
Indeno(1,2,3-cd)pyrene	1.616	1.565		-3.156	20.0
Dibenzo(a,h)anthracene	1.274	1.237		-2.904	20.0
Benzo(g,h,i)perylene	1.292	1.233		-4.567	20.0
1,4-Dioxane	0.477	0.461		-3.354	20.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160696BL	SDG No.:	BN050824
Lab Sample ID:	PB160696BL	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
BN031433.D	1	5/3/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160696

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:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160696BL	SDG No.:	BN050824
Lab Sample ID:	PB160696BL	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
BN031433.D	1	5/3/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160696

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.427		30-150		107	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.315		30-150		79	SPK: -0.4
367-12-4	2-Fluorophenol	0.352		10-92		88	SPK: -0.4
13127-88-3	Phenol-d6	0.292		10-100		73	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.124		11-175		31	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.572		10-175		143	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.331		24-148		83	SPK: -0.4
1718-51-0	Terphenyl-d14	0.532		54-171		133	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6382	7.567				
1146-65-2	Naphthalene-d8	18759	10.336				
15067-26-2	Acenaphthene-d10	6183	14.21				
1517-22-2	Phenanthrene-d10	22335	16.966				
1719-03-5	Chrysene-d12	10489	21.175				
1520-96-3	Perylene-d12	16438	23.358				

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	MW-17B-72-050324DL	SDG No.:	BN050824
Lab Sample ID:	P2394-03DL	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
BN031434.D	2	5/6/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160745

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.06	U	0.06	0.4	0.4	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.06	U	0.06	0.2	0.2	ug/L
91-20-3	Naphthalene	0.05	U	0.05	0.2	0.2	ug/L
87-68-3	Hexachlorobutadiene	0.05	U	0.05	0.2	0.2	ug/L
91-57-6	2-Methylnaphthalene	0.35	D	0.06	0.2	0.2	ug/L
208-96-8	Acenaphthylene	0.04	U	0.04	0.2	0.2	ug/L
83-32-9	Acenaphthene	0.04	U	0.04	0.2	0.2	ug/L
Total PAH	Total PAH	0.91	U	0.91	0.2	3.2	ug/L
86-73-7	Fluorene	0.04	U	0.04	0.2	0.2	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.4	0.4	ug/L
101-55-3	4-Bromophenyl-phenylether	0.05	U	0.05	0.2	0.2	ug/L
118-74-1	Hexachlorobenzene	0.06	U	0.06	0.2	0.2	ug/L
1912-24-9	Atrazine	0.05	U	0.05	0.2	0.2	ug/L
87-86-5	Pentachlorophenol	0.18	U	0.18	0.4	0.4	ug/L
85-01-8	Phenanthrene	0.07	JD	0.04	0.2	0.2	ug/L
120-12-7	Anthracene	0.05	U	0.05	0.2	0.2	ug/L
206-44-0	Fluoranthene	0.05	JD	0.05	0.2	0.2	ug/L
129-00-0	Pyrene	0.04	U	0.04	0.2	0.2	ug/L
56-55-3	Benzo(a)anthracene	0.04	U	0.04	0.2	0.2	ug/L
218-01-9	Chrysene	0.05	U	0.05	0.2	0.2	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.28	U	0.28	0.4	0.4	ug/L
205-99-2	Benzo(b)fluoranthene	0.06	U	0.06	0.2	0.2	ug/L
207-08-9	Benzo(k)fluoranthene	0.07	U	0.07	0.2	0.2	ug/L
50-32-8	Benzo(a)pyrene	0.11	U	0.11	0.2	0.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.08	U	0.08	0.2	0.2	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.08	U	0.08	0.2	0.2	ug/L
191-24-2	Benzo(g,h,i)perylene	0.07	U	0.07	0.2	0.2	ug/L
123-91-1	1,4-Dioxane	7.7	D	0.14	0.4	0.4	ug/L

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	MW-17B-72-050324DL	SDG No.:	BN050824
Lab Sample ID:	P2394-03DL	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
BN031434.D	2	5/6/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160745

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.57		30-150		142	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.318		30-150		79	SPK: -0.4
367-12-4	2-Fluorophenol	0.112		10-92		28	SPK: -0.4
13127-88-3	Phenol-d6	0.046		10-100		12	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.178		11-175		44	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.264		10-175		66	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.302		24-148		75	SPK: -0.4
1718-51-0	Terphenyl-d14	0.326		54-171		81	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4932	7.567				
1146-65-2	Naphthalene-d8	8276	10.336				
15067-26-2	Acenaphthene-d10	5170	14.21				
1517-22-2	Phenanthrene-d10	21576	16.967				
1719-03-5	Chrysene-d12	18487	21.175				
1520-96-3	Perylene-d12	19079	23.358				

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160696BS	SDG No.:	BN050824
Lab Sample ID:	PB160696BS	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
BN031435.D	1	5/3/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160696

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.37		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.36		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.37		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.37		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.5		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.36		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.39		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.39		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.3		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	0.34		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.36		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.36		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	0.21		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.4		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.37		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.4		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	0.38		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.4		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.39		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.39		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.4		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.44		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.38		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160696BS	SDG No.:	BN050824
Lab Sample ID:	PB160696BS	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
BN031435.D	1	5/3/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160696

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.489		30-150		122	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.318		30-150		79	SPK: -0.4
367-12-4	2-Fluorophenol	0.362		10-92		90	SPK: -0.4
13127-88-3	Phenol-d6	0.355		10-100		89	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.294		11-175		74	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.255		10-175		64	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.274		24-148		68	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	5510	7.567				
1146-65-2	Naphthalene-d8	17253	10.336				
15067-26-2	Acenaphthene-d10	9756	14.21				
1517-22-2	Phenanthrene-d10	21885	16.966				
1719-03-5	Chrysene-d12	18360	21.175				
1520-96-3	Perylene-d12	18680	23.358				

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160696BSD	SDG No.:	BN050824
Lab Sample ID:	PB160696BSD	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
BN031436.D	1	5/3/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160696

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.37		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.36		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.37		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.38		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.43		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.32		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.45		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.88		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.57		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.31		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	0.39		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	0.36		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	0.35		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.36		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.43		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.36		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.4		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.33		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.38		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.38		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	0.24		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.24		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.27		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.37		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160696BSD	SDG No.:	BN050824
Lab Sample ID:	PB160696BSD	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
BN031436.D	1	5/3/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160696

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.412		30-150		103	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.363		30-150		91	SPK: -0.4
367-12-4	2-Fluorophenol	0.36		10-92		90	SPK: -0.4
13127-88-3	Phenol-d6	0.354		10-100		88	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.301		11-175		75	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.328		10-175		82	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.405		24-148		101	SPK: -0.4
1718-51-0	Terphenyl-d14	0.356		54-171		89	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5549	7.567				
1146-65-2	Naphthalene-d8	16878	10.336				
15067-26-2	Acenaphthene-d10	6731	14.21				
1517-22-2	Phenanthrene-d10	21876	16.967				
1719-03-5	Chrysene-d12	18645	21.175				
1520-96-3	Perylene-d12	18937	23.358				

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	MW-18B-112-050124	SDG No.:	BN050824
Lab Sample ID:	P2352-02	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
BN031437.D	1	5/3/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160696

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	0.03	J	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	0.19		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	3.9		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	MW-18B-112-050124	SDG No.:	BN050824
Lab Sample ID:	P2352-02	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
BN031437.D	1	5/3/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160696

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.368		30-150		92	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.292		30-150		73	SPK: -0.4
367-12-4	2-Fluorophenol	0.028	*	10-92		7	SPK: -0.4
13127-88-3	Phenol-d6	0.032	*	10-100		8	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.098		11-175		24	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.335		10-175		84	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.101		24-148		25	SPK: -0.4
1718-51-0	Terphenyl-d14	0.298		54-171		75	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6694	7.559				
1146-65-2	Naphthalene-d8	20634	10.336				
15067-26-2	Acenaphthene-d10	9231	14.21				
1517-22-2	Phenanthrene-d10	25335	16.967				
1719-03-5	Chrysene-d12	22451	21.175				
1520-96-3	Perylene-d12	16702	23.361				

Report of Analysis

Client:		Date Collected:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160696BL	SDG No.:	BN050824
Lab Sample ID:	PB160696BL	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
BN031438.D	1	5/3/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160696

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:	5/3/2024 12:00:00 AM
Project:		Date Received:	5/3/2024 12:00:00 AM
Client Sample ID:	PB160696BL	SDG No.:	BN050824
Lab Sample ID:	PB160696BL	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
BN031438.D	1	5/3/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160696

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.387		30-150		97	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.316		30-150		79	SPK: -0.4
367-12-4	2-Fluorophenol	0.353		10-92		88	SPK: -0.4
13127-88-3	Phenol-d6	0.283		10-100		71	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.316		11-175		79	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.337		10-175		84	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.191		24-148		48	SPK: -0.4
1718-51-0	Terphenyl-d14	0.315		54-171		79	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5134	7.567				
1146-65-2	Naphthalene-d8	10314	10.336				
15067-26-2	Acenaphthene-d10	8360	14.21				
1517-22-2	Phenanthrene-d10	18487	16.967				
1719-03-5	Chrysene-d12	14850	21.175				
1520-96-3	Perylene-d12	9742	23.358				

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	PB160578BS	SDG No.:	BN050824
Lab Sample ID:	PB160578BS	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
BN031439.D	1	4/29/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160578

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.43		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.42		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	0.37		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.5		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.35		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.39		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.18		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.39		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	0.47		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.48		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.41		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.42		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	0.26		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.46		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.44		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.37		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	0.34		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.39		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.41		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.39		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	0.39		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.42		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.41		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	PB160578BS	SDG No.:	BN050824
Lab Sample ID:	PB160578BS	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
BN031439.D	1	4/29/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160578

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.492		30-150		123	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.46		30-150		115	SPK: -0.4
367-12-4	2-Fluorophenol	0.418	*	10-92		104	SPK: -0.4
13127-88-3	Phenol-d6	0.413	*	10-100		103	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.303		11-175		76	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.426		10-175		106	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.274		24-148		68	SPK: -0.4
1718-51-0	Terphenyl-d14	0.359		54-171		90	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5617	7.567				
1146-65-2	Naphthalene-d8	19424	10.336				
15067-26-2	Acenaphthene-d10	10994	14.21				
1517-22-2	Phenanthrene-d10	19395	16.967				
1719-03-5	Chrysene-d12	20730	21.166				
1520-96-3	Perylene-d12	20434	23.356				

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	PB160578BSD	SDG No.:	BN050824
Lab Sample ID:	PB160578BSD	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
BN031440.D	1	4/29/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160578

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.41		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.52		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.37		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.37		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.5		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.35		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.36		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.83		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.24		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.23		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	0.34		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.36		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	0.35		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.36		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.43		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.36		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	0.34		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.38		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.38		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.39		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.4		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.4		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.29		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.57		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	PB160578BSD	SDG No.:	BN050824
Lab Sample ID:	PB160578BSD	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
BN031440.D	1	4/29/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160578

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.486		30-150		122	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.366		30-150		91	SPK: -0.4
367-12-4	2-Fluorophenol	0.384	*	10-92		96	SPK: -0.4
13127-88-3	Phenol-d6	0.525	*	10-100		131	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.29		11-175		72	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.425		10-175		106	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.272		24-148		68	SPK: -0.4
1718-51-0	Terphenyl-d14	0.351		54-171		88	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3540	7.567				
1146-65-2	Naphthalene-d8	16298	10.336				
15067-26-2	Acenaphthene-d10	9097	14.21				
1517-22-2	Phenanthrene-d10	20152	16.967				
1719-03-5	Chrysene-d12	17544	21.166				
1520-96-3	Perylene-d12	18232	23.355				

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	PB160578BL	SDG No.:	BN050824
Lab Sample ID:	PB160578BL	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
BN031441.D	1	4/29/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160578

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:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	PB160578BL	SDG No.:	BN050824
Lab Sample ID:	PB160578BL	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
BN031441.D	1	4/29/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160578

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.427		30-150		107	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.313		30-150		78	SPK: -0.4
367-12-4	2-Fluorophenol	0.603	*	10-92		151	SPK: -0.4
13127-88-3	Phenol-d6	0.32		10-100		80	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.228		11-175		57	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.581		10-175		145	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.342		24-148		86	SPK: -0.4
1718-51-0	Terphenyl-d14	0.531		54-171		133	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3229	7.567				
1146-65-2	Naphthalene-d8	16070	10.336				
15067-26-2	Acenaphthene-d10	5267	14.21				
1517-22-2	Phenanthrene-d10	19814	16.967				
1719-03-5	Chrysene-d12	9357	21.175				
1520-96-3	Perylene-d12	10456	23.358				

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	PB160578BS	SDG No.:	BN050824
Lab Sample ID:	PB160578BS	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
BN031442.D	1	4/29/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160578

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.38		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.33		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.37		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.44		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.53		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.36		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.38		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.06		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.39		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	0.38		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.41		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.37		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.38		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	0.36		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.36		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.41		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.36		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.38		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.38		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.35		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.34		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.37		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.4		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.4		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.46		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.39		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	PB160578BS	SDG No.:	BN050824
Lab Sample ID:	PB160578BS	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
BN031442.D	1	4/29/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160578

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.531		30-150		133	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.377		30-150		94	SPK: -0.4
367-12-4	2-Fluorophenol	0.366		10-92		91	SPK: -0.4
13127-88-3	Phenol-d6	0.352		10-100		88	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.293		11-175		73	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.412		10-175		103	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.307		24-148		77	SPK: -0.4
1718-51-0	Terphenyl-d14	0.363		54-171		91	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3170	7.559				
1146-65-2	Naphthalene-d8	10016	10.336				
15067-26-2	Acenaphthene-d10	6506	14.21				
1517-22-2	Phenanthrene-d10	14456	16.967				
1719-03-5	Chrysene-d12	13163	21.175				
1520-96-3	Perylene-d12	14388	23.358				

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	PB160578BSD	SDG No.:	BN050824
Lab Sample ID:	PB160578BSD	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
BN031443.D	1	4/29/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160578

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.39		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.42		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.37		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.35		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.51		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	0.34		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.04		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.42		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.27		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	0.39		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.35		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.36		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	0.35		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.29		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.46		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.38		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.42		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.37		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.39		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.38		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	0.39		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.39		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.37		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.49		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	4/29/2024 12:00:00 AM
Project:		Date Received:	4/29/2024 12:00:00 AM
Client Sample ID:	PB160578BSD	SDG No.:	BN050824
Lab Sample ID:	PB160578BSD	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
BN031443.D	1	4/29/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160578

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.495		30-150		124	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.289		30-150		72	SPK: -0.4
367-12-4	2-Fluorophenol	0.425	*	10-92		106	SPK: -0.4
13127-88-3	Phenol-d6	0.427	*	10-100		107	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.315		11-175		79	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.41		10-175		102	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.318		24-148		79	SPK: -0.4
1718-51-0	Terphenyl-d14	0.359		54-171		90	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3842	7.559				
1146-65-2	Naphthalene-d8	13281	10.336				
15067-26-2	Acenaphthene-d10	7688	14.21				
1517-22-2	Phenanthrene-d10	21332	16.967				
1719-03-5	Chrysene-d12	16909	21.175				
1520-96-3	Perylene-d12	19484	23.355				

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	MW-18B-112-050124RE	SDG No.:	BN050824
Lab Sample ID:	P2352-02RE	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
BN031444.D	1	5/3/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160696

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	0.03	J	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	0.19		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	3.9		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	5/1/2024 12:00:00 AM
Project:		Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	MW-18B-112-050124RE	SDG No.:	BN050824
Lab Sample ID:	P2352-02RE	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
BN031444.D	1	5/3/2024 12:00:00 AM	5/8/2024 12:00:00 AM	PB160696

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.375		30-150		94	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.214		30-150		53	SPK: -0.4
367-12-4	2-Fluorophenol	0.027	*	10-92		7	SPK: -0.4
13127-88-3	Phenol-d6	0.031	*	10-100		8	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.158		11-175		40	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.192		10-175		48	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.097		24-148		24	SPK: -0.4
1718-51-0	Terphenyl-d14	0.27		54-171		68	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6299	7.559				
1146-65-2	Naphthalene-d8	19178	10.336				
15067-26-2	Acenaphthene-d10	10917	14.21				
1517-22-2	Phenanthrene-d10	24353	16.966				
1719-03-5	Chrysene-d12	21944	21.175				
1520-96-3	Perylene-d12	22125	23.355				



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Fax : 908 789 8922

Hit Summary Sheet SW-846

SDG No.: BN050824

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL		RDL	Units
Client ID :	MW-18B-112-050124								
P2352-02	MW-18B-112-050124	Water	1,4-Dioxane	3.900		0.07		0.2	ug/L
P2352-02	MW-18B-112-050124	Water	2-Methylnaphthalene	0.190		0.03		0.1	ug/L
P2352-02	MW-18B-112-050124	Water	Naphthalene	0.030	J	0.02		0.1	ug/L
Total Svoc :						4.12			
Total Concentration:						4.12			
Client ID :	MW-18B-112-050124RE								
P2352-02RE	MW-18B-112-050124RE	Water	1,4-Dioxane	3.900		0.07		0.2	ug/L
P2352-02RE	MW-18B-112-050124RE	Water	2-Methylnaphthalene	0.190		0.03		0.1	ug/L
P2352-02RE	MW-18B-112-050124RE	Water	Naphthalene	0.030	J	0.02		0.1	ug/L
Total Svoc :						4.12			
Total Concentration:						4.12			
Client ID :	MW-17B-72-050324DL								
P2394-03DL	MW-17B-72-050324DL	Water	1,4-Dioxane	7.700	D	0.14		0.4	ug/L
P2394-03DL	MW-17B-72-050324DL	Water	2-Methylnaphthalene	0.350	D	0.06		0.2	ug/L
P2394-03DL	MW-17B-72-050324DL	Water	Fluoranthene	0.050	JD	0.05		0.2	ug/L
P2394-03DL	MW-17B-72-050324DL	Water	Phenanthrene	0.070	JD	0.04		0.2	ug/L
Total Svoc :						8.17			
Total Concentration:						8.17			

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN050724 SAS No.: BN050724 SDG No.: BN050724

Instrument ID: _____ Calibration Date(s): 5/7/2024 1: _____

Calibration Time(s): 12:44 _____

LAB FILE ID:	RRF0.1 = BN031418.D			RRF0.2 = BN031419.D			RRF0.4 = BN031420.D	
	RRF0.8 = BN031421.D			RRF1.6 = BN031422.D			RRF3.2 = BN031423.D	
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.566	0.839	0.395	0.446	0.535	0.645	0.592	26.1
Fluoranthene-d10	0.861	1.204	1.001	1.070	1.199	1.164	1.082	11.4
n-Nitrosodimethylamine	0.478	0.479	0.445	0.476	0.508	0.493	0.476	4.4
2-Fluorophenol	0.871	0.947	0.907	0.921	0.992	0.961	0.937	4.3
Phenol-d6	0.940	1.033	1.037	1.072	1.217	1.239	1.113	11.0
bis(2-Chloroethyl)ether	0.889	0.997	0.992	1.024	1.141	1.125	1.040	8.8
Nitrobenzene-d5	0.250	0.367	0.331	0.369	0.481	0.314	0.351	19.9
Naphthalene	1.047	1.215	1.003	0.962	1.377	1.104	1.118	12.6
Hexachlorobutadiene	0.223	0.269	0.218	0.175	0.302	0.217	0.233	17.5
2-Methylnaphthalene	0.677	0.992	0.450	0.503	0.607	0.753	0.687	27.4
2-Fluorobiphenyl	1.582	1.646	0.908	1.408	1.645	1.563	1.480	17.9
Acenaphthylene	1.528	1.619	1.611	1.610	1.909	2.021	1.755	11.8
Acenaphthene	1.125	1.123	1.183	1.188	1.242	1.298	1.203	5.6
Fluorene	1.424	0.911	1.534	2.540	1.672	1.175	1.556	32.8
4,6-Dinitro-2-methylphenol	0.046	0.037	0.049	0.057	0.086	0.076	0.064	35.0
2,4,6-Tribromophenol	0.131	0.103	0.147	0.255	0.205	0.203	0.178	29.6
4-Bromophenyl-phenylether	0.209	0.216	0.221	0.227	0.242	0.251	0.231	7.2
Hexachlorobenzene	0.272	0.247	0.255	0.260	0.276	0.273	0.264	4.1
Atrazine	0.153	0.156	0.161	0.173	0.214	0.208	0.181	14.5
Pentachlorophenol	0.069	0.074	0.084	0.099	0.140	0.140	0.109	32.3
Phenanthrene	1.119	1.123	1.100	1.132	1.168	1.216	1.148	3.5
Anthracene	0.860	0.867	0.879	0.930	1.063	1.100	0.965	10.8
Fluoranthene	1.293	1.540	1.282	1.373	1.481	1.483	1.402	7.2
Pyrene	1.280	1.871	1.746	1.506	1.100	1.830	1.612	20.1
Terphenyl-d14	0.853	1.138	1.067	0.937	0.757	1.121	1.015	16.9
Benzo (a) anthracene	1.306	1.335	1.269	1.351	1.461	1.533	1.381	6.7
Chrysene	1.502	1.379	1.332	1.420	1.543	1.511	1.439	5.5
Bis(2-ethylhexyl)phthalate	0.758	0.693	0.475	0.642	0.816	0.828	0.730	19.3
Benzo (b) fluoranthene	1.532	1.534	1.455	1.515	1.701	1.625	1.569	5.3
Benzo (k) fluoranthene	1.494	1.505	1.437	1.511	1.654	1.604	1.539	4.8
Benzo (a) pyrene	1.305	1.247	1.216	1.260	1.415	1.392	1.317	6.0
Indeno (1,2,3-cd) pyrene	1.608	1.535	1.362	1.647	1.719	1.737	1.616	8.2
Dibenzo (a,h) anthracene	1.244	1.200	1.045	1.310	1.374	1.388	1.274	9.6
Benzo (g,h,i) perylene	1.454	0.879	1.136	1.250	1.477	1.394	1.292	17.1
1,4-Dioxane	0.608	0.503	0.454	0.454	0.465	0.437	0.477	13.2

All other compounds must meet a minimum RRF of 0.010.



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN050824 SAS No.: BN050824 SDG NO.: BN050824

EPA Sample No.: SSTDICCC0.4 Date Analyzed: May 8 2024 12:00AM

Lab File ID: BN031420.D Time Analyzed: 10:59

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	5969	7.566	14706	10.34	10587	14.21
UPPER LIMIT	11938	8.066	29412	10.836	21174	14.71
LOWER LIMIT	2984.5	7.066	7353	9.836	5293.5	13.71
EPA SAMPLE NO.						
01 PB160696BL	6382	7.57	18759	10.34	6183	14.21
02 MW-17B-72-050324DL	4932	7.57	8276	10.34	5170 *	14.21
03 PB160696BS	5510	7.57	17253	10.34	9756	14.21
04 PB160696BSD	5549	7.57	16878	10.34	6731	14.21
05 MW-18B-112-050124	6694	7.56	20634	10.34	9231	14.21
06 PB160696BL	5134	7.57	10314	10.34	8360	14.21
07 PB160578BS	5617	7.57	19424	10.34	10994	14.21
08 PB160578BSD	3540	7.57	16298	10.34	9097	14.21
09 PB160578BL	3229	7.57	16070	10.34	5267 *	14.21
10 PB160578BS	3170	7.56	10016	10.34	6506	14.21
11 PB160578BSD	3842	7.56	13281	10.34	7688	14.21
12 MW-18B-112-050124RE	6299	7.56	19178	10.34	10917	14.21

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.: BN050824 SAS No.: BN050824 SDG NO.: BN050824

EPA Sample No.: SSTDCCC0.4 Date Analyzed: May 8 2024 12:00AM

Lab File ID: BN031432.D Time Analyzed: 10:59

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	5519	7.559	8967	10.34	10044	14.21
UPPER LIMIT	11038	8.059	17934	10.836	20088	14.71
LOWER LIMIT	2759.5	7.059	4483.5	9.836	5022	13.71
EPA SAMPLE NO.						
01 PB160696BL	6382	7.57	18759 *	10.34	6183	14.21
02 MW-17B-72-050324DL	4932	7.57	8276	10.34	5170	14.21
03 PB160696BS	5510	7.57	17253	10.34	9756	14.21
04 PB160696BSD	5549	7.57	16878	10.34	6731	14.21
05 MW-18B-112-050124	6694	7.56	20634 *	10.34	9231	14.21
06 PB160696BL	5134	7.57	10314	10.34	8360	14.21
07 PB160578BS	5617	7.57	19424 *	10.34	10994	14.21
08 PB160578BSD	3540	7.57	16298	10.34	9097	14.21
09 PB160578BL	3229	7.57	16070	10.34	5267	14.21
10 PB160578BS	3170	7.56	10016	10.34	6506	14.21
11 PB160578BSD	3842	7.56	13281	10.34	7688	14.21
12 MW-18B-112-050124RE	6299	7.56	19178 *	10.34	10917	14.21

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.: BN050824 SAS No.: BN050824 SDG NO.: BN050824

EPA Sample No.: SSTDICCC0.4 Date Analyzed: May 8 2024 12:00AM

Lab File ID: BN031420.D Time Analyzed: 10:59

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	23884	16.966	17819	21.175	20666	23.358
UPPER LIMIT	47768	17.466	35638	21.675	41332	23.858
LOWER LIMIT	11942	16.466	8909.5	20.675	10333	22.858
EPA SAMPLE NO.						
01 PB160696BL	22335	16.97	10489	21.18	16438	23.36
02 MW-17B-72-050324DL	21576	16.97	18487	21.18	19079	23.36
03 PB160696BS	21885	16.97	18360	21.18	18680	23.36
04 PB160696BSD	21876	16.97	18645	21.18	18937	23.36
05 MW-18B-112-050124	25335	16.97	22451	21.18	16702	23.36
06 PB160696BL	18487	16.97	14850	21.18	9742 *	23.36
07 PB160578BS	19395	16.97	20730	21.17	20434	23.36
08 PB160578BSD	20152	16.97	17544	21.17	18232	23.36
09 PB160578BL	19814	16.97	9357	21.18	10456	23.36
10 PB160578BS	14456	16.97	13163	21.18	14388	23.36
11 PB160578BSD	21332	16.97	16909	21.18	19484	23.36
12 MW-18B-112-050124RE	24353	16.97	21944	21.18	22125	23.36

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.: BN050824 SAS No.: BN050824 SDG NO.: BN050824

EPA Sample No.: SSTDCCC0.4 Date Analyzed: May 8 2024 12:00AM

Lab File ID: BN031432.D Time Analyzed: 10:59

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	22311	16.967	18976	21.175	19551	23.358
	UPPER LIMIT	44622	17.467	37952	21.675	39102	23.858
	LOWER LIMIT	11155.5	16.467	9488	20.675	9775.5	22.858
	EPA SAMPLE NO.						
01	PB160696BL	22335	16.97	10489	21.18	16438	23.36
02	MW-17B-72-050324DL	21576	16.97	18487	21.18	19079	23.36
03	PB160696BS	21885	16.97	18360	21.18	18680	23.36
04	PB160696BSD	21876	16.97	18645	21.18	18937	23.36
05	MW-18B-112-050124	25335	16.97	22451	21.18	16702	23.36
06	PB160696BL	18487	16.97	14850	21.18	9742 *	23.36
07	PB160578BS	19395	16.97	20730	21.17	20434	23.36
08	PB160578BSD	20152	16.97	17544	21.17	18232	23.36
09	PB160578BL	19814	16.97	9357 *	21.18	10456	23.36
10	PB160578BS	14456	16.97	13163	21.18	14388	23.36
11	PB160578BSD	21332	16.97	16909	21.18	19484	23.36
12	MW-18B-112-050124RE	24353	16.97	21944	21.18	22125	23.36

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.: BN050824

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160578BS	n-Nitrosodimethylamine	0.4	0.43	ug/L	108				33	130	
	n-Nitrosodimethylamine	0.4	0.38	ug/L	95				33	130	
	bis(2-Chloroethyl)ether	0.4	0.33	ug/L	83				55	118	
	bis(2-Chloroethyl)ether	0.4	0.42	ug/L	105				55	118	
	Naphthalene	0.4	0.37	ug/L	93				67	120	
	Naphthalene	0.4	0.38	ug/L	95				67	120	
	Hexachlorobutadiene	0.4	0.37	ug/L	93				33	114	
	Hexachlorobutadiene	0.4	0.44	ug/L	110				33	114	
	2-Methylnaphthalene	0.4	0.53	ug/L	133		*		50	122	
	2-Methylnaphthalene	0.4	0.5	ug/L	125		*		50	122	
	Acenaphthylene	0.4	0.35	ug/L	88				60	119	
	Acenaphthylene	0.4	0.36	ug/L	90				60	119	
	Acenaphthene	0.4	0.38	ug/L	95				65	119	
	Total PAH	6.4	6.06	ug/L	95				65	119	
	Total PAH	6.4	6.18	ug/L	97				65	119	
	Acenaphthene	0.4	0.39	ug/L	98				65	119	
	Fluorene	0.4	0.39	ug/L	98				58	122	
	Fluorene	0.4	0.39	ug/L	98				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.35	ug/L	88				20	150	
	4,6-Dinitro-2-methylphenol	0.4	0.37	ug/L	93				20	150	
	4-Bromophenyl-phenylether	0.4	0.47	ug/L	117				20	150	
	4-Bromophenyl-phenylether	0.4	0.38	ug/L	95				20	150	
	Hexachlorobenzene	0.4	0.41	ug/L	103				62	127	
	Hexachlorobenzene	0.4	0.48	ug/L	120				62	127	
	Atrazine	0.4	0.37	ug/L	93				20	150	
	Atrazine	0.4	0.41	ug/L	103				20	150	
	Pentachlorophenol	0.8	0.38	ug/L	48				10	137	
	Pentachlorophenol	0.8	0.42	ug/L	52				10	137	
	Phenanthrene	0.4	0.37	ug/L	93				65	117	
	Phenanthrene	0.4	0.37	ug/L	93				65	117	
	Anthracene	0.4	0.36	ug/L	90				57	118	
	Anthracene	0.4	0.26	ug/L	65				57	118	
	Fluoranthene	0.4	0.36	ug/L	90				53	126	
	Fluoranthene	0.4	0.46	ug/L	115				53	126	
	Pyrene	0.4	0.44	ug/L	110				54	124	
	Pyrene	0.4	0.41	ug/L	103				54	124	
	Benzo(a)anthracene	0.4	0.36	ug/L	90				54	130	
	Benzo(a)anthracene	0.4	0.37	ug/L	93				54	130	
	Chrysene	0.4	0.39	ug/L	98				64	126	
	Chrysene	0.4	0.38	ug/L	95				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.38	ug/L	95				40	137	
	bis(2-Ethylhexyl)phthalate	0.4	0.34	ug/L	85				40	137	
	Benzo(b)fluoranthene	0.4	0.39	ug/L	98				65	121	
	Benzo(b)fluoranthene	0.4	0.35	ug/L	88				65	121	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN050824

Client: _____

Analytical Method: 8270-Modified

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB160578BS	Benzo(k)fluoranthene	0.4	0.34	ug/L	85				72	119	
	Benzo(k)fluoranthene	0.4	0.41	ug/L	103				72	119	
	Benzo(a)pyrene	0.4	0.37	ug/L	93				68	120	
	Benzo(a)pyrene	0.4	0.39	ug/L	98				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.4	ug/L	100				70	127	
	Indeno(1,2,3-cd)pyrene	0.4	0.38	ug/L	95				70	127	
	Dibenz(a,h)anthracene	0.4	0.4	ug/L	100				65	121	
	Dibenz(a,h)anthracene	0.4	0.39	ug/L	98				65	121	
	Benzo(g,h,i)perylene	0.4	0.42	ug/L	105				76	117	
	Benzo(g,h,i)perylene	0.4	0.46	ug/L	115				76	117	
	1,4-Dioxane	0.4	0.39	ug/L	98				60	132	
	1,4-Dioxane	0.4	0.41	ug/L	103				60	132	
PB160578BSD	n-Nitrosodimethylamine	0.4	0.41	ug/L	103	8			33	130	20
	n-Nitrosodimethylamine	0.4	0.39	ug/L	98	3			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.42	ug/L	105	24		*	55	118	20
	bis(2-Chloroethyl)ether	0.4	0.52	ug/L	130	45	*	*	55	118	20
	Naphthalene	0.4	0.37	ug/L	93	0			67	120	20
	Naphthalene	0.4	0.37	ug/L	93	0			67	120	20
	Hexachlorobutadiene	0.4	0.35	ug/L	88	23		*	33	114	20
	Hexachlorobutadiene	0.4	0.37	ug/L	93	17			33	114	20
	2-Methylnaphthalene	0.4	0.51	ug/L	128	4	*		50	122	20
	2-Methylnaphthalene	0.4	0.5	ug/L	125	6	*		50	122	20
	Acenaphthylene	0.4	0.35	ug/L	88	3			60	119	20
	Acenaphthylene	0.4	0.34	ug/L	85	6			60	119	20
	Acenaphthene	0.4	0.34	ug/L	85	11			65	119	20
	Total PAH	6.4	6.04	ug/L	94	0			65	119	20
	Acenaphthene	0.4	0.36	ug/L	90	5			65	119	20
	Total PAH	6.4	5.83	ug/L	91	4			65	119	20
	Fluorene	0.4	0.24	ug/L	60	48		*	58	122	20
	Fluorene	0.4	0.42	ug/L	105	7			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.23	ug/L	58	41		*	20	150	20
	4,6-Dinitro-2-methylphenol	0.4	0.27	ug/L	68	26		*	20	150	20
	4-Bromophenyl-phenylether	0.4	0.37	ug/L	93	3			20	150	20
	4-Bromophenyl-phenylether	0.4	0.37	ug/L	93	3			20	150	20
	Hexachlorobenzene	0.4	0.38	ug/L	95	8			62	127	20
	Hexachlorobenzene	0.4	0.39	ug/L	98	5			62	127	20
	Atrazine	0.4	0.35	ug/L	88	6			20	150	20
	Atrazine	0.4	0.34	ug/L	85	8			20	150	20
	Pentachlorophenol	0.8	0.36	ug/L	45	5			10	137	20
	Pentachlorophenol	0.8	0.36	ug/L	45	5			10	137	20
	Phenanthrene	0.4	0.37	ug/L	93	0			65	117	20
	Phenanthrene	0.4	0.38	ug/L	95	3			65	117	20
	Anthracene	0.4	0.35	ug/L	88	3			57	118	20
	Anthracene	0.4	0.35	ug/L	88	3			57	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN050824

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits	
							Qual	Qual	Low	High
PB160578BSD	Fluoranthene	0.4	0.29	ug/L	73	22	*		53	126
	Fluoranthene	0.4	0.36	ug/L	90	0			53	126
	Pyrene	0.4	0.43	ug/L	108	5			54	124
	Pyrene	0.4	0.46	ug/L	115	11			54	124
	Benzo(a)anthracene	0.4	0.38	ug/L	95	5			54	130
	Benzo(a)anthracene	0.4	0.36	ug/L	90	0			54	130
	Chrysene	0.4	0.39	ug/L	98	3			64	126
	Chrysene	0.4	0.42	ug/L	105	10			64	126
	bis(2-Ethylhexyl)phthalate	0.4	0.37	ug/L	93	3			40	137
	bis(2-Ethylhexyl)phthalate	0.4	0.34	ug/L	85	11			40	137
	Benzo(b)fluoranthene	0.4	0.38	ug/L	95	8			65	121
	Benzo(b)fluoranthene	0.4	0.39	ug/L	98	11			65	121
	Benzo(k)fluoranthene	0.4	0.38	ug/L	95	11			72	119
	Benzo(k)fluoranthene	0.4	0.38	ug/L	95	11			72	119
	Benzo(a)pyrene	0.4	0.39	ug/L	98	5			68	120
	Benzo(a)pyrene	0.4	0.38	ug/L	95	3			68	120
	Indeno(1,2,3-cd)pyrene	0.4	0.39	ug/L	98	3			70	127
	Indeno(1,2,3-cd)pyrene	0.4	0.4	ug/L	100	0			70	127
	Dibenz(a,h)anthracene	0.4	0.4	ug/L	100	0			65	121
	Dibenz(a,h)anthracene	0.4	0.39	ug/L	98	3			65	121
	Benzo(g,h,i)perylene	0.4	0.37	ug/L	93	22		*	76	117
	Benzo(g,h,i)perylene	0.4	0.29	ug/L	73	45	*	*	76	117
	1,4-Dioxane	0.4	0.57	ug/L	143	38	*	*	60	132
	1,4-Dioxane	0.4	0.49	ug/L	123	23		*	60	132

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN050824

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB160696BS	n-Nitrosodimethylamine	0.4	0.37	ug/L	93				33	130	
	bis(2-Chloroethyl)ether	0.4	0.36	ug/L	90				55	118	
	Naphthalene	0.4	0.37	ug/L	93				67	120	
	Hexachlorobutadiene	0.4	0.37	ug/L	93				33	114	
	2-Methylnaphthalene	0.4	0.5	ug/L	125		*		50	122	
	Acenaphthylene	0.4	0.36	ug/L	90				60	119	
	Acenaphthene	0.4	0.39	ug/L	98				65	119	
	Total PAH	6.4	6	ug/L	94				65	119	
	Fluorene	0.4	0.39	ug/L	98				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.3	ug/L	75				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	0.34	ug/L	85				20	150	
	Pentachlorophenol	0.8	0.36	ug/L	45				10	137	
	Phenanthrene	0.4	0.36	ug/L	90				65	117	
	Anthracene	0.4	0.35	ug/L	88				57	118	
	Fluoranthene	0.4	0.21	ug/L	52				53	126	
	Pyrene	0.4	0.4	ug/L	100				54	124	
	Benzo(a)anthracene	0.4	0.37	ug/L	93				54	130	
	Chrysene	0.4	0.4	ug/L	100				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.35	ug/L	88				40	137	
	Benzo(b)fluoranthene	0.4	0.38	ug/L	95				65	121	
	Benzo(k)fluoranthene	0.4	0.4	ug/L	100				72	119	
	Benzo(a)pyrene	0.4	0.39	ug/L	98				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.39	ug/L	98				70	127	
	Dibenz(a,h)anthracene	0.4	0.4	ug/L	100				65	121	
	Benzo(g,h,i)perylene	0.4	0.44	ug/L	110				76	117	
	1,4-Dioxane	0.4	0.38	ug/L	95				60	132	
PB160696BSD	n-Nitrosodimethylamine	0.4	0.37	ug/L	93	0			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.36	ug/L	90	0			55	118	20
	Naphthalene	0.4	0.37	ug/L	93	0			67	120	20
	Hexachlorobutadiene	0.4	0.38	ug/L	95	3			33	114	20
	2-Methylnaphthalene	0.4	0.43	ug/L	108	15			50	122	20
	Acenaphthylene	0.4	0.32	ug/L	80	12			60	119	20
	Acenaphthene	0.4	0.45	ug/L	113	14			65	119	20
	Total PAH	6.4	5.88	ug/L	92	2			65	119	20
	Fluorene	0.4	0.57	ug/L	143	38	*	*	58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.31	ug/L	78	3			20	150	20
	4-Bromophenyl-phenylether	0.4	0.37	ug/L	93	0			20	150	20
	Hexachlorobenzene	0.4	0.39	ug/L	98	3			62	127	20
	Atrazine	0.4	0.34	ug/L	85	0			20	150	20
	Pentachlorophenol	0.8	0.36	ug/L	45	0			10	137	20
	Phenanthrene	0.4	0.38	ug/L	95	5			65	117	20
	Anthracene	0.4	0.35	ug/L	88	0			57	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN050824

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB160696BSD	Fluoranthene	0.4	0.36	ug/L	90	53		*	53	126	20
	Pyrene	0.4	0.43	ug/L	108	7			54	124	20
	Benzo(a)anthracene	0.4	0.36	ug/L	90	3			54	130	20
	Chrysene	0.4	0.4	ug/L	100	0			64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.33	ug/L	83	6			40	137	20
	Benzo(b)fluoranthene	0.4	0.38	ug/L	95	0			65	121	20
	Benzo(k)fluoranthene	0.4	0.38	ug/L	95	5			72	119	20
	Benzo(a)pyrene	0.4	0.38	ug/L	95	3			68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.24	ug/L	60	48	*	*	70	127	20
	Dibenz(a,h)anthracene	0.4	0.24	ug/L	60	50	*	*	65	121	20
	Benzo(g,h,i)perylene	0.4	0.27	ug/L	68	48	*	*	76	117	20
	1,4-Dioxane	0.4	0.37	ug/L	93	3			60	132	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160578BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN050824

SAS No.: BN050824 SDG NO.: BN050824

Lab File ID: BN031441.D

Lab Sample ID: PB160578BL

Instrument ID: BNA_N

Date Extracted: 04/29/2024

Matrix: (soil/water) Water

Date Analyzed: 05/08/2024

Level: (low/med) LOW

Time Analyzed: 15:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160578BS	PB160578BS	BN031442.D	05/08/2024
PB160578BSD	PB160578BSD	BN031443.D	05/08/2024
PB160578BS	PB160578BS	BN031439.D	05/08/2024
PB160578BSD	PB160578BSD	BN031440.D	05/08/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160696BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN050824

SAS No.: BN050824 SDG NO.: BN050824

Lab File ID: BN031433.D

Lab Sample ID: PB160696BL

Instrument ID: BNA_N

Date Extracted: 05/03/2024

Matrix: (soil/water) Water

Date Analyzed: 05/08/2024

Level: (low/med) LOW

Time Analyzed: 10:59

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160696BS	PB160696BS	BN031435.D	05/08/2024
PB160696BSD	PB160696BSD	BN031436.D	05/08/2024
MW-18B-112-050124	P2352-02	BN031437.D	05/08/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: **BN050824**

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160578BL	PB160578BL	BN031441.D	2-Methylnaphthalene-d10	0.4	0.43	107		30	150
			Fluoranthene-d10	0.4	0.31	78		30	150
			2-Fluorophenol	0.4	0.60	151	*	10	92
			Phenol-d6	0.4	0.32	80		10	100
			Nitrobenzene-d5	0.4	0.23	57		11	175
			2-Fluorobiphenyl	0.4	0.58	145		10	175
			2,4,6-Tribromophenol	0.4	0.34	86		24	148
			Terphenyl-d14	0.4	0.53	133		54	171
PB160578BS	PB160578BS	BN031442.D	2-Methylnaphthalene-d10	0.4	0.53	133		30	150
			2-Methylnaphthalene-d10	0.4	0.49	123		30	150
		BN031439.D	Fluoranthene-d10	0.4	0.46	115		30	150
			Fluoranthene-d10	0.4	0.38	94		30	150
		BN031442.D	2-Fluorophenol	0.4	0.42	104	*	10	92
			2-Fluorophenol	0.4	0.37	91		10	92
		BN031439.D	Phenol-d6	0.4	0.41	103	*	10	100
			Phenol-d6	0.4	0.35	88		10	100
		BN031442.D	Nitrobenzene-d5	0.4	0.29	73		11	175
			Nitrobenzene-d5	0.4	0.30	76		11	175
		BN031439.D	2-Fluorobiphenyl	0.4	0.43	106		10	175
			2-Fluorobiphenyl	0.4	0.41	103		10	175
		BN031442.D	2,4,6-Tribromophenol	0.4	0.31	77		24	148
			2,4,6-Tribromophenol	0.4	0.27	68		24	148
		BN031439.D	Terphenyl-d14	0.4	0.36	90		54	171
			Terphenyl-d14	0.4	0.36	91		54	171
PB160578BSD	PB160578BSD	BN031440.D	2-Methylnaphthalene-d10	0.4	0.49	122		30	150
			2-Methylnaphthalene-d10	0.4	0.50	124		30	150
		BN031443.D	Fluoranthene-d10	0.4	0.29	72		30	150
			Fluoranthene-d10	0.4	0.37	91		30	150
		BN031440.D	2-Fluorophenol	0.4	0.38	96	*	10	92
			2-Fluorophenol	0.4	0.43	106	*	10	92
		BN031443.D	Phenol-d6	0.4	0.43	107	*	10	100
			Phenol-d6	0.4	0.53	131	*	10	100
		BN031440.D	Nitrobenzene-d5	0.4	0.29	72		11	175
			Nitrobenzene-d5	0.4	0.32	79		11	175
		BN031443.D	2-Fluorobiphenyl	0.4	0.41	102		10	175
			2-Fluorobiphenyl	0.4	0.43	106		10	175
		BN031440.D	2,4,6-Tribromophenol	0.4	0.27	68		24	148
			2,4,6-Tribromophenol	0.4	0.32	79		24	148
		BN031443.D	Terphenyl-d14	0.4	0.35	88		54	171
			Terphenyl-d14	0.4	0.36	90		54	171

Surrogate Summary

SW-846

SDG No.: **BN050824**

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2352-02	MW-18B-112-0501	BN031437.D	2-Methylnaphthalene-d10	0.4	0.37	92		30	150
			Fluoranthene-d10	0.4	0.29	73		30	150
			2-Fluorophenol	0.4	0.03	7	*	10	92
			Phenol-d6	0.4	0.03	8	*	10	100
			Nitrobenzene-d5	0.4	0.10	24		11	175
			2-Fluorobiphenyl	0.4	0.34	84		10	175
			2,4,6-Tribromophenol	0.4	0.10	25		24	148
			Terphenyl-d14	0.4	0.30	75		54	171
P2352-02RE	MW-18B-112-0501	BN031444.D	2-Methylnaphthalene-d10	0.4	0.38	94		30	150
			Fluoranthene-d10	0.4	0.21	53		30	150
			2-Fluorophenol	0.4	0.03	7	*	10	92
			Phenol-d6	0.4	0.03	8	*	10	100
			Nitrobenzene-d5	0.4	0.16	40		11	175
			2-Fluorobiphenyl	0.4	0.19	48		10	175
			2,4,6-Tribromophenol	0.4	0.10	24		24	148
			Terphenyl-d14	0.4	0.27	68		54	171
PB160696BL	PB160696BL	BN031433.D	2-Methylnaphthalene-d10	0.4	0.43	107		30	150
		BN031438.D	2-Methylnaphthalene-d10	0.4	0.39	97		30	150
			Fluoranthene-d10	0.4	0.32	79		30	150
		BN031433.D	Fluoranthene-d10	0.4	0.32	79		30	150
			2-Fluorophenol	0.4	0.35	88		10	92
		BN031438.D	2-Fluorophenol	0.4	0.35	88		10	92
			Phenol-d6	0.4	0.28	71		10	100
		BN031433.D	Phenol-d6	0.4	0.29	73		10	100
			Nitrobenzene-d5	0.4	0.12	31		11	175
		BN031438.D	Nitrobenzene-d5	0.4	0.32	79		11	175
			2-Fluorobiphenyl	0.4	0.34	84		10	175
		BN031433.D	2-Fluorobiphenyl	0.4	0.57	143		10	175
			2,4,6-Tribromophenol	0.4	0.33	83		24	148
		BN031438.D	2,4,6-Tribromophenol	0.4	0.19	48		24	148
		BN031433.D	Terphenyl-d14	0.4	0.53	133		54	171
		BN031438.D	Terphenyl-d14	0.4	0.32	79		54	171
PB160696BS	PB160696BS	BN031435.D	2-Methylnaphthalene-d10	0.4	0.49	122		30	150
			Fluoranthene-d10	0.4	0.32	79		30	150
			2-Fluorophenol	0.4	0.36	90		10	92
			Phenol-d6	0.4	0.36	89		10	100
			Nitrobenzene-d5	0.4	0.29	74		11	175
			2-Fluorobiphenyl	0.4	0.26	64		10	175
			2,4,6-Tribromophenol	0.4	0.27	68		24	148
			Terphenyl-d14	0.4	0.34	84		54	171
			2-Methylnaphthalene-d10	0.4	0.41	103		30	150
			Fluoranthene-d10	0.4	0.36	91		30	150
PB160696BSD	PB160696BSD	BN031436.D	2-Fluorophenol	0.4	0.36	90		10	92
			Phenol-d6	0.4	0.35	88		10	100
			Nitrobenzene-d5	0.4	0.30	75		11	175
			2-Fluorobiphenyl	0.4	0.33	82		10	175
			2,4,6-Tribromophenol	0.4	0.41	101		24	148
			Terphenyl-d14	0.4	0.36	89		54	171



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Surrogate Summary

SW-846

SDG No.: BN050824

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2394-03DL	MW-17B-72-05032	BN031434.D	2-Methylnaphthalene-d10	0.4	0.57	142		30	150
			Fluoranthene-d10	0.4	0.32	79		30	150
			2-Fluorophenol	0.4	0.11	28		10	92
			Phenol-d6	0.4	0.05	12		10	100
			Nitrobenzene-d5	0.4	0.18	44		11	175
			2-Fluorobiphenyl	0.4	0.26	66		10	175
			2,4,6-Tribromophenol	0.4	0.30	75		24	148
			Terphenyl-d14	0.4	0.33	81		54	171

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN050824

Lab Code: CHEM

SAS No.: BN050824

SDG NO.: BN050824

Lab File ID: BN031431.D

DFTPP Injection Date: 05/08/2024

Instrument ID: BNA_N

DFTPP Injection Time: 08:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.5
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.1
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	26.3
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	11.8
442	Greater than 50% of mass 198	70.5
443	15.0 - 24.0% of mass 442	13.9 (19.8) 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	BN031432.D	05/08/2024	10:23
PB160696BL	PB160696BL	BN031433.D	05/08/2024	10:59
MW-17B-72-050324DL	P2394-03DL	BN031434.D	05/08/2024	11:36
PB160696BS	PB160696BS	BN031435.D	05/08/2024	12:12
PB160696BSD	PB160696BSD	BN031436.D	05/08/2024	12:48
MW-18B-112-050124	P2352-02	BN031437.D	05/08/2024	13:25
PB160696BL	PB160696BL	BN031438.D	05/08/2024	14:02
PB160578BS	PB160578BS	BN031439.D	05/08/2024	14:38
PB160578BSD	PB160578BSD	BN031440.D	05/08/2024	15:15
PB160578BL	PB160578BL	BN031441.D	05/08/2024	15:52
PB160578BS	PB160578BS	BN031442.D	05/08/2024	16:29
PB160578BSD	PB160578BSD	BN031443.D	05/08/2024	17:06
MW-18B-112-050124RE	P2352-02RE	BN031444.D	05/08/2024	17:43