

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN092024 SAS No.: BN092024 SDG No.: BN092024

Instrument ID: BNA_N Calibration Date/Time: 9/19/2024 1: 22:43

Lab File ID: BN034060.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	0.591	0.577		-2.369	20.0
Fluoranthene-d10	1.009	0.973		-3.568	20.0
n-Nitrosodimethylamine	0.569	0.566		-0.527	20.0
2-Fluorophenol	1.135	1.194		5.198	20.0
Phenol-d6	1.320	1.399		5.985	20.0
bis(2-Chloroethyl) ether	1.168	1.141		-2.312	20.0
Nitrobenzene-d5	0.306	0.290		-5.229	20.0
Naphthalene	1.098	1.077		-1.913	20.0
Hexachlorobutadiene	0.207	0.207		0.0	20.0
2-Methylnaphthalene	0.714	0.694		-2.801	20.0
2-Fluorobiphenyl	1.627	1.642		0.922	20.0
Acenaphthylene	1.712	1.633		-4.614	20.0
Acenaphthene	1.228	1.227		-0.081	20.0
Fluorene	1.612	1.606		-0.372	20.0
4,6-Dinitro-2-methylphenol	0.057	0.044		-22.807	20.0
2,4,6-Tribromophenol	0.181	0.188		3.867	20.0
4-Bromophenyl-phenylether	0.225	0.215		-4.444	20.0
Hexachlorobenzene	0.252	0.251		-0.397	20.0
Atrazine	0.186	0.208		11.828	20.0
Pentachlorophenol	0.083	0.095		14.458	20.0
Phenanthrene	1.149	1.137		-1.044	20.0
Anthracene	0.937	0.876		-6.51	20.0
Fluoranthene	1.331	1.299		-2.404	20.0
Pyrene	1.688	1.735		2.784	20.0
Terphenyl-d14	0.799	0.838		4.881	20.0
Benzo(a)anthracene	1.265	1.242		-1.818	20.0
Chrysene	1.510	1.556		3.046	20.0
Bis(2-ethylhexyl)phthalate	0.527	0.520		-1.328	20.0
Benzo(b)fluoranthene	1.567	1.444		-7.849	20.0
Benzo(k)fluoranthene	1.645	1.659		0.851	20.0
Benzo(a)pyrene	1.277	1.201		-5.951	20.0
Indeno(1,2,3-cd)pyrene	1.714	1.683		-1.809	20.0
Dibenzo(a,h)anthracene	1.331	1.266		-4.884	20.0
Benzo(g,h,i)perylene	1.495	1.369		-8.428	20.0
1,4-Dioxane	0.500	0.494		-1.2	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.: BN092024 SAS No.: BN092024 SDG No.: BN092024

Instrument ID: BNA_N Calibration Date/Time: 9/20/2024 1:08:59

Lab File ID: BN034077.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	0.591	0.587		-0.677	50.0
Fluoranthene-d10	1.009	0.976		-3.271	50.0
n-Nitrosodimethylamine	0.569	0.587		3.163	50.0
2-Fluorophenol	1.135	1.151		1.41	50.0
Phenol-d6	1.320	1.346		1.97	50.0
bis(2-Chloroethyl)ether	1.168	1.183		1.284	50.0
Nitrobenzene-d5	0.306	0.300		-1.961	50.0
Naphthalene	1.098	1.102		0.364	50.0
Hexachlorobutadiene	0.207	0.209		0.966	50.0
2-Methylnaphthalene	0.714	0.711		-0.42	50.0
2-Fluorobiphenyl	1.627	1.676		3.012	50.0
Acenaphthylene	1.712	1.672		-2.336	50.0
Acenaphthene	1.228	1.237		0.733	50.0
Fluorene	1.612	1.638		1.613	50.0
4,6-Dinitro-2-methylphenol	0.057	0.052		-8.772	50.0
2,4,6-Tribromophenol	0.181	0.167		-7.735	50.0
4-Bromophenyl-phenylether	0.225	0.224		-0.444	50.0
Hexachlorobenzene	0.252	0.254		0.794	50.0
Atrazine	0.186	0.171		-8.065	50.0
Pentachlorophenol	0.083	0.080		-3.614	50.0
Phenanthrene	1.149	1.165		1.393	50.0
Anthracene	0.937	0.925		-1.281	50.0
Fluoranthene	1.331	1.293		-2.855	50.0
Pyrene	1.688	1.937		14.751	50.0
Terphenyl-d14	0.799	0.894		11.89	50.0
Benzo(a)anthracene	1.265	1.323		4.585	50.0
Chrysene	1.510	1.563		3.51	50.0
Bis(2-ethylhexyl)phthalate	0.527	0.338		-35.863	50.0
Benzo(b)fluoranthene	1.567	1.615		3.063	50.0
Benzo(k)fluoranthene	1.645	1.803		9.605	50.0
Benzo(a)pyrene	1.277	1.284		0.548	50.0
Indeno(1,2,3-cd)pyrene	1.714	1.591		-7.176	50.0
Dibenzo(a,h)anthracene	1.331	1.219		-8.415	50.0
Benzo(g,h,i)perylene	1.495	1.351		-9.632	50.0
1,4-Dioxane	0.500	0.496		-0.8	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	9/13/2024 12:00:00 AM
Project:		Date Received:	9/13/2024 12:00:00 AM
Client Sample ID:	PB163368BL	SDG No.:	BN092024
Lab Sample ID:	PB163368BL	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
BN034061.D	1	9/13/2024 12:00:00 AM	9/19/2024 12:00:00 AM	PB163368

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:	9/13/2024 12:00:00 AM
Project:		Date Received:	9/13/2024 12:00:00 AM
Client Sample ID:	PB163368BL	SDG No.:	BN092024
Lab Sample ID:	PB163368BL	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
BN034061.D	1	9/13/2024 12:00:00 AM	9/19/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.365		20-139		91	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.423		30-150		106	SPK: -0.4
367-12-4	2-Fluorophenol	0.37		10-100		93	SPK: -0.4
13127-88-3	Phenol-d6	0.291		10-100		73	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.335		27-123		84	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.398		34-132		100	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.174		10-131		43	SPK: -0.4
1718-51-0	Terphenyl-d14	0.498		35-157		125	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5747	7.438				
1146-65-2	Naphthalene-d8	14805	10.191				
15067-26-2	Acenaphthene-d10	7784	14.083				
1517-22-2	Phenanthrene-d10	17247	16.846				
1719-03-5	Chrysene-d12	11127	21.062				
1520-96-3	Perylene-d12	8972	23.183				

Report of Analysis

Client:		Date Collected:	9/13/2024 12:00:00 AM
Project:		Date Received:	9/13/2024 12:00:00 AM
Client Sample ID:	PB163368BS	SDG No.:	BN092024
Lab Sample ID:	PB163368BS	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
BN034062.D	1	9/13/2024 12:00:00 AM	9/19/2024 12:00:00 AM	PB163368

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	0.37		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	0.41		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	0.4		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.27		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.4		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	0.39		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.4		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	0.28		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.4		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	0.39		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	0.38		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	0.21		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	0.42		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	0.37		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	0.41		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	9/13/2024 12:00:00 AM
Project:		Date Received:	9/13/2024 12:00:00 AM
Client Sample ID:	PB163368BS	SDG No.:	BN092024
Lab Sample ID:	PB163368BS	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
BN034062.D	1	9/13/2024 12:00:00 AM	9/19/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.365		20-139		91	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.367		30-150		92	SPK: -0.4
367-12-4	2-Fluorophenol	0.324		10-100		81	SPK: -0.4
13127-88-3	Phenol-d6	0.313		10-100		78	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.359		27-123		90	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.391		34-132		98	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.296		10-131		74	SPK: -0.4
1718-51-0	Terphenyl-d14	0.356		35-157		89	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6398	7.431				
1146-65-2	Naphthalene-d8	19035	10.191				
15067-26-2	Acenaphthene-d10	10903	14.083				
1517-22-2	Phenanthrene-d10	24994	16.833				
1719-03-5	Chrysene-d12	19095	21.053				
1520-96-3	Perylene-d12	18917	23.18				

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	RE126D2-20240912	SDG No.:	BN092024
Lab Sample ID:	P4003-14	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
BN034063.D	1	9/14/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163408

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	3.7		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	9/12/2024 12:00:00 AM
Project:		Date Received:	9/12/2024 12:00:00 AM
Client Sample ID:	RE126D2-20240912	SDG No.:	BN092024
Lab Sample ID:	P4003-14	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
BN034063.D	1	9/14/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.336		20-139		84	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.474		30-150		118	SPK: -0.4
367-12-4	2-Fluorophenol	0.117		10-100		29	SPK: -0.4
13127-88-3	Phenol-d6	0.057		10-100		14	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.284		27-123		71	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.34		34-132		85	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.267		10-131		67	SPK: -0.4
1718-51-0	Terphenyl-d14	0.499		35-157		125	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5386	7.438				
1146-65-2	Naphthalene-d8	15223	10.191				
15067-26-2	Acenaphthene-d10	8902	14.08				
1517-22-2	Phenanthrene-d10	20717	16.84				
1719-03-5	Chrysene-d12	16565	21.06				
1520-96-3	Perylene-d12	11088	23.181				

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	MW202D-20240909	SDG No.:	BN092024
Lab Sample ID:	P3957-01	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
BN034064.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

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	0.41		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	MW202D-20240909	SDG No.:	BN092024
Lab Sample ID:	P3957-01	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	
Extraction Type :		Level :	LOW
Decanted :			
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN034064.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.346		20-139		86	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.462		30-150		115	SPK: -0.4
367-12-4	2-Fluorophenol	0.13		10-100		32	SPK: -0.4
13127-88-3	Phenol-d6	0.069		10-100		17	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.299		27-123		75	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.365		34-132		91	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.334		10-131		83	SPK: -0.4
1718-51-0	Terphenyl-d14	0.573		35-157		143	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6031	7.438				
1146-65-2	Naphthalene-d8	16834	10.191				
15067-26-2	Acenaphthene-d10	9657	14.079				
1517-22-2	Phenanthrene-d10	21952	16.84				
1719-03-5	Chrysene-d12	15510	21.059				
1520-96-3	Perylene-d12	12786	23.178				

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	MW202D1-20240909	SDG No.:	BN092024
Lab Sample ID:	P3957-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	950 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
BN034065.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.21	0.21	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.11	0.11	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.11	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.11	0.11	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.11	0.11	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.11	0.11	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.11	0.11	ug/L
Total PAH	Total PAH	0.48	U	0.48	0.11	1.76	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.11	0.11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.15	U	0.15	0.21	0.21	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.11	0.11	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.11	0.11	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.11	0.11	ug/L
87-86-5	Pentachlorophenol	0.12	J	0.09	0.21	0.21	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.11	0.11	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.11	0.11	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.11	0.11	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.11	0.11	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.11	0.11	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.11	0.11	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.15	U	0.15	0.21	0.21	ug/L
205-99-2	Benzo(b)fluoranthene	0.03	U	0.03	0.11	0.11	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.11	0.11	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.11	0.11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.11	0.11	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.11	0.11	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.11	0.11	ug/L
123-91-1	1,4-Dioxane	0.25		0.07	0.21	0.21	ug/L

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	MW202D1-20240909	SDG No.:	BN092024
Lab Sample ID:	P3957-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	950 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
BN034065.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.341		20-139		85	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.462		30-150		115	SPK: -0.4
367-12-4	2-Fluorophenol	0.141		10-100		35	SPK: -0.4
13127-88-3	Phenol-d6	0.076		10-100		19	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.284		27-123		71	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.369		34-132		92	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.345		10-131		86	SPK: -0.4
1718-51-0	Terphenyl-d14	0.51		35-157		127	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5233	7.438				
1146-65-2	Naphthalene-d8	15507	10.191				
15067-26-2	Acenaphthene-d10	8960	14.083				
1517-22-2	Phenanthrene-d10	20931	16.833				
1719-03-5	Chrysene-d12	15933	21.053				
1520-96-3	Perylene-d12	13544	23.177				

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	MW203D-20240909	SDG No.:	BN092024
Lab Sample ID:	P3957-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	940	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
BN034066.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.21	0.21	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.11	0.11	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.11	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.11	0.11	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.11	0.11	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.11	0.11	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.11	0.11	ug/L
Total PAH	Total PAH	0.48	U	0.48	0.11	1.76	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.11	0.11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.15	U	0.15	0.21	0.21	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.11	0.11	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.11	0.11	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.11	0.11	ug/L
87-86-5	Pentachlorophenol	0.82		0.1	0.21	0.21	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.11	0.11	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.11	0.11	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.11	0.11	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.11	0.11	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.11	0.11	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.11	0.11	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.15	U	0.15	0.21	0.21	ug/L
205-99-2	Benzo(b)fluoranthene	0.03	U	0.03	0.11	0.11	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.11	0.11	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.11	0.11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.11	0.11	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.11	0.11	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.11	0.11	ug/L
123-91-1	1,4-Dioxane	0.24		0.07	0.21	0.21	ug/L

Report of Analysis

Client:		Date Collected:	9/9/2024 12:00:00 AM
Project:		Date Received:	9/9/2024 12:00:00 AM
Client Sample ID:	MW203D-20240909	SDG No.:	BN092024
Lab Sample ID:	P3957-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	940 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
BN034066.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.347		20-139		87	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.431		30-150		108	SPK: -0.4
367-12-4	2-Fluorophenol	0.152		10-100		38	SPK: -0.4
13127-88-3	Phenol-d6	0.085		10-100		21	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.311		27-123		78	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.381		34-132		95	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.326		10-131		81	SPK: -0.4
1718-51-0	Terphenyl-d14	0.554		35-157		138	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6093	7.431				
1146-65-2	Naphthalene-d8	16816	10.191				
15067-26-2	Acenaphthene-d10	9167	14.079				
1517-22-2	Phenanthrene-d10	19291	16.84				
1719-03-5	Chrysene-d12	12699	21.051				
1520-96-3	Perylene-d12	11247	23.178				

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW305D-20240910	SDG No.:	BN092024
Lab Sample ID:	P3957-04	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
BN034067.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

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	1.3		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	0.63		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW305D-20240910	SDG No.:	BN092024
Lab Sample ID:	P3957-04	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
BN034067.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.356		20-139		89	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.458		30-150		114	SPK: -0.4
367-12-4	2-Fluorophenol	0.14		10-100		35	SPK: -0.4
13127-88-3	Phenol-d6	0.073		10-100		18	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.307		27-123		77	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.371		34-132		93	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.348		10-131		87	SPK: -0.4
1718-51-0	Terphenyl-d14	0.516		35-157		129	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5360	7.438				
1146-65-2	Naphthalene-d8	15498	10.191				
15067-26-2	Acenaphthene-d10	9061	14.083				
1517-22-2	Phenanthrene-d10	21444	16.833				
1719-03-5	Chrysene-d12	16206	21.053				
1520-96-3	Perylene-d12	14678	23.177				

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW305I-20240910	SDG No.:	BN092024
Lab Sample ID:	P3957-05	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	960	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN034068.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.21	0.21	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	U	0.03	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
Total PAH	Total PAH	0.48	U	0.48	0.1	1.6	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.1	0.1	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	0.15	U	0.15	0.21	0.21	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	0.24		0.09	0.21	0.21	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.03	U	0.03	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	0.15	U	0.15	0.21	0.21	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	0.04	U	0.04	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	1		0.07	0.21	0.21	ug/L

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW305I-20240910	SDG No.:	BN092024
Lab Sample ID:	P3957-05	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	960 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
BN034068.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		20-139		88	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.446		30-150		112	SPK: -0.4
367-12-4	2-Fluorophenol	0.147		10-100		37	SPK: -0.4
13127-88-3	Phenol-d6	0.076		10-100		19	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.302		27-123		75	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.355		34-132		89	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.317		10-131		79	SPK: -0.4
1718-51-0	Terphenyl-d14	0.529		35-157		132	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5432	7.438				
1146-65-2	Naphthalene-d8	15912	10.191				
15067-26-2	Acenaphthene-d10	9260	14.08				
1517-22-2	Phenanthrene-d10	21595	16.84				
1719-03-5	Chrysene-d12	16421	21.051				
1520-96-3	Perylene-d12	14571	23.181				

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW179D1-20240910	SDG No.:	BN092024
Lab Sample ID:	P3957-06	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	970 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
BN034069.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.21	0.21	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	0.46	U	0.46	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	0.21	0.21	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	0.78		0.09	0.21	0.21	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	0.21	0.21	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	0.04	U	0.04	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	0.23		0.07	0.21	0.21	ug/L

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW179D1-20240910	SDG No.:	BN092024
Lab Sample ID:	P3957-06	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	970	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	
Extraction Type :		Level :	LOW
Injection Volume :		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN034069.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.361		20-139		90	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.427		30-150		107	SPK: -0.4
367-12-4	2-Fluorophenol	0.134		10-100		34	SPK: -0.4
13127-88-3	Phenol-d6	0.07		10-100		17	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.312		27-123		78	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.38		34-132		95	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.301		10-131		75	SPK: -0.4
1718-51-0	Terphenyl-d14	0.54		35-157		135	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5340	7.431				
1146-65-2	Naphthalene-d8	14993	10.191				
15067-26-2	Acenaphthene-d10	8392	14.079				
1517-22-2	Phenanthrene-d10	17914	16.84				
1719-03-5	Chrysene-d12	11647	21.051				
1520-96-3	Perylene-d12	9908	23.178				

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW179D2-20240910	SDG No.:	BN092024
Lab Sample ID:	P3957-07	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
BN034070.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

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	0.98		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW179D2-20240910	SDG No.:	BN092024
Lab Sample ID:	P3957-07	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
BN034070.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.368		20-139		92	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.437		30-150		109	SPK: -0.4
367-12-4	2-Fluorophenol	0.134		10-100		34	SPK: -0.4
13127-88-3	Phenol-d6	0.071		10-100		18	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.336		27-123		84	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.387		34-132		97	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.324		10-131		81	SPK: -0.4
1718-51-0	Terphenyl-d14	0.551		35-157		138	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5993	7.43				
1146-65-2	Naphthalene-d8	16724	10.191				
15067-26-2	Acenaphthene-d10	9408	14.079				
1517-22-2	Phenanthrene-d10	20793	16.84				
1719-03-5	Chrysene-d12	13634	21.051				
1520-96-3	Perylene-d12	11391	23.175				

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW179D-20240910	SDG No.:	BN092024
Lab Sample ID:	P3957-08	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	970 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
BN034071.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.21	0.21	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	J	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	0.46	U	0.46	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	0.21	0.21	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	0.1	J	0.09	0.21	0.21	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	0.21	0.21	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	0.04	U	0.04	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	0.28		0.07	0.21	0.21	ug/L

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW179D-20240910	SDG No.:	BN092024
Lab Sample ID:	P3957-08	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	970 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
BN034071.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.38		20-139		95	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.448		30-150		112	SPK: -0.4
367-12-4	2-Fluorophenol	0.141		10-100		35	SPK: -0.4
13127-88-3	Phenol-d6	0.073		10-100		18	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.332		27-123		83	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.407		34-132		102	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.343		10-131		86	SPK: -0.4
1718-51-0	Terphenyl-d14	0.567		35-157		142	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5596	7.431				
1146-65-2	Naphthalene-d8	15803	10.191				
15067-26-2	Acenaphthene-d10	8707	14.083				
1517-22-2	Phenanthrene-d10	18703	16.833				
1719-03-5	Chrysene-d12	12070	21.053				
1520-96-3	Perylene-d12	10320	23.177				

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW179D-20240910MS	SDG No.:	BN092024
Lab Sample ID:	P3957-09MS	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	970 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
BN034072.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.15	J	0.03	0.21	0.21	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.36		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.34		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.27		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.34		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.36		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.37		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.81		0.46	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	0.45		0.14	0.21	0.21	ug/L
101-55-3	4-Bromophenyl-phenylether	0.38		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.35		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.43		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.91		0.09	0.21	0.21	ug/L
85-01-8	Phenanthrene	0.45		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.44		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	0.48		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.47		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.48		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.3		0.14	0.21	0.21	ug/L
205-99-2	Benzo(b)fluoranthene	0.48		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.48		0.04	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.47		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	0.34		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.36		0.07	0.21	0.21	ug/L

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW179D-20240910MS	SDG No.:	BN092024
Lab Sample ID:	P3957-09MS	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	970 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
BN034072.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.325		20-139		81	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.446		30-150		112	SPK: -0.4
367-12-4	2-Fluorophenol	0.122		10-100		31	SPK: -0.4
13127-88-3	Phenol-d6	0.074		10-100		19	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.316		27-123		79	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.338		34-132		84	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.321		10-131		80	SPK: -0.4
1718-51-0	Terphenyl-d14	0.462		35-157		115	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5521	7.431				
1146-65-2	Naphthalene-d8	16016	10.191				
15067-26-2	Acenaphthene-d10	8933	14.08				
1517-22-2	Phenanthrene-d10	20983	16.828				
1719-03-5	Chrysene-d12	16720	21.051				
1520-96-3	Perylene-d12	14950	23.178				

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW179D-20240910MSD	SDG No.:	BN092024
Lab Sample ID:	P3957-10MSD	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	970 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
BN034073.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.15	J	0.03	0.21	0.21	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.36		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.33		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.26		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.33		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	0.36		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.77		0.46	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	0.44		0.14	0.21	0.21	ug/L
101-55-3	4-Bromophenyl-phenylether	0.39		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.35		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.42		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.89		0.09	0.21	0.21	ug/L
85-01-8	Phenanthrene	0.45		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.44		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.45		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.48		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.45		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.47		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.3		0.14	0.21	0.21	ug/L
205-99-2	Benzo(b)fluoranthene	0.5		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.48		0.04	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.48		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	0.34		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.35		0.07	0.21	0.21	ug/L

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW179D-20240910MSD	SDG No.:	BN092024
Lab Sample ID:	P3957-10MSD	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	970 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
BN034073.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

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	0.436		30-150		109	SPK: -0.4
367-12-4	2-Fluorophenol	0.121		10-100		30	SPK: -0.4
13127-88-3	Phenol-d6	0.073		10-100		18	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.31		27-123		77	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.334		34-132		83	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.306		10-131		76	SPK: -0.4
1718-51-0	Terphenyl-d14	0.472		35-157		118	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5920	7.43				
1146-65-2	Naphthalene-d8	16906	10.191				
15067-26-2	Acenaphthene-d10	9260	14.083				
1517-22-2	Phenanthrene-d10	21204	16.833				
1719-03-5	Chrysene-d12	16025	21.053				
1520-96-3	Perylene-d12	12836	23.177				

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW203D2-20240910	SDG No.:	BN092024
Lab Sample ID:	P3957-11	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
BN034074.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

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	0.95		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW203D2-20240910	SDG No.:	BN092024
Lab Sample ID:	P3957-11	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
BN034074.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		20-139		88	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.427		30-150		107	SPK: -0.4
367-12-4	2-Fluorophenol	0.132		10-100		33	SPK: -0.4
13127-88-3	Phenol-d6	0.066		10-100		16	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.308		27-123		77	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.366		34-132		91	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.29		10-131		72	SPK: -0.4
1718-51-0	Terphenyl-d14	0.54		35-157		135	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5791	7.43				
1146-65-2	Naphthalene-d8	16066	10.191				
15067-26-2	Acenaphthene-d10	8594	14.079				
1517-22-2	Phenanthrene-d10	18216	16.84				
1719-03-5	Chrysene-d12	11555	21.059				
1520-96-3	Perylene-d12	10350	23.181				

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW203D1-20240910	SDG No.:	BN092024
Lab Sample ID:	P3957-12	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	960	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
BN034075.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.21	0.21	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	U	0.03	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	0.48	U	0.48	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	0.15	U	0.15	0.21	0.21	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	0.21	0.21	ug/L
85-01-8	Phenanthrene	0.02	J	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.03	U	0.03	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	0.15	U	0.15	0.21	0.21	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	0.04	U	0.04	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	1		0.07	0.21	0.21	ug/L

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW203D1-20240910	SDG No.:	BN092024
Lab Sample ID:	P3957-12	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	960 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
BN034075.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.334		20-139		83	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.432		30-150		108	SPK: -0.4
367-12-4	2-Fluorophenol	0.14		10-100		35	SPK: -0.4
13127-88-3	Phenol-d6	0.078		10-100		20	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.29		27-123		72	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.346		34-132		86	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.282		10-131		70	SPK: -0.4
1718-51-0	Terphenyl-d14	0.529		35-157		132	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5499	7.43				
1146-65-2	Naphthalene-d8	15572	10.191				
15067-26-2	Acenaphthene-d10	8544	14.083				
1517-22-2	Phenanthrene-d10	18106	16.833				
1719-03-5	Chrysene-d12	11708	21.053				
1520-96-3	Perylene-d12	9662	23.18				

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW201D-20240910	SDG No.:	BN092024
Lab Sample ID:	P3957-13	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
BN034076.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

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	0.48		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	6.7	E	0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	MW201D-20240910	SDG No.:	BN092024
Lab Sample ID:	P3957-13	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
Extraction Type :		Test:	
Injection Volume :		Level :	LOW
		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN034076.D	1	9/13/2024 12:00:00 AM	9/20/2024 12:00:00 AM	PB163368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.37		20-139		93	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.471		30-150		118	SPK: -0.4
367-12-4	2-Fluorophenol	0.147		10-100		37	SPK: -0.4
13127-88-3	Phenol-d6	0.082		10-100		20	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.322		27-123		81	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.381		34-132		95	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.333		10-131		83	SPK: -0.4
1718-51-0	Terphenyl-d14	0.555		35-157		139	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5733	7.431				
1146-65-2	Naphthalene-d8	16521	10.191				
15067-26-2	Acenaphthene-d10	8976	14.079				
1517-22-2	Phenanthrene-d10	19353	16.828				
1719-03-5	Chrysene-d12	13143	21.051				
1520-96-3	Perylene-d12	11043	23.178				



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet SW-846

SDG No.: BN092024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW202D-20240909								
P3957-01	MW202D-20240909	Water	1,4-Dioxane	0.410		0.07	0.2	ug/L
			Total Svoc :			0.41		
			Total Concentration:			0.41		
Client ID : MW202D1-20240909								
P3957-02	MW202D1-20240909	Water	1,4-Dioxane	0.250		0.07	0.21	ug/L
P3957-02	MW202D1-20240909	Water	Pentachlorophenol	0.120	J	0.09	0.21	ug/L
			Total Svoc :			0.37		
			Total Concentration:			0.37		
Client ID : MW203D-20240909								
P3957-03	MW203D-20240909	Water	1,4-Dioxane	0.240		0.07	0.21	ug/L
P3957-03	MW203D-20240909	Water	Pentachlorophenol	0.820		0.1	0.21	ug/L
			Total Svoc :			1.06		
			Total Concentration:			1.06		
Client ID : MW305D-20240910								
P3957-04	MW305D-20240910	Water	1,4-Dioxane	0.630		0.07	0.2	ug/L
P3957-04	MW305D-20240910	Water	Pentachlorophenol	1.300		0.09	0.2	ug/L
			Total Svoc :			1.93		
			Total Concentration:			1.93		
Client ID : MW305I-20240910								
P3957-05	MW305I-20240910	Water	1,4-Dioxane	1.000		0.07	0.21	ug/L
P3957-05	MW305I-20240910	Water	Pentachlorophenol	0.240		0.09	0.21	ug/L
			Total Svoc :			1.24		
			Total Concentration:			1.24		
Client ID : MW179D1-20240910								
P3957-06	MW179D1-20240910	Water	1,4-Dioxane	0.230		0.07	0.21	ug/L
P3957-06	MW179D1-20240910	Water	Pentachlorophenol	0.780		0.09	0.21	ug/L
			Total Svoc :			1.01		
			Total Concentration:			1.01		
Client ID : MW179D2-20240910								
P3957-07	MW179D2-20240910	Water	1,4-Dioxane	0.980		0.07	0.2	ug/L
			Total Svoc :			0.98		
			Total Concentration:			0.98		
Client ID : MW179D-20240910								
P3957-08	MW179D-20240910	Water	1,4-Dioxane	0.280		0.07	0.21	ug/L
P3957-08	MW179D-20240910	Water	bis(2-Chloroethyl)ether	0.030	J	0.03	0.1	ug/L

Hit Summary Sheet SW-846

SDG No.: BN092024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
P3957-08	MW179D-20240910	Water	Pentachlorophenol	0.100	J	0.09	0.21	ug/L
			Total Svoc :			0.41		
			Total Concentration:			0.41		
Client ID : MW203D2-20240910								
P3957-11	MW203D2-20240910	Water	1,4-Dioxane	0.950		0.07	0.2	ug/L
			Total Svoc :			0.95		
			Total Concentration:			0.95		
Client ID : MW203D1-20240910								
P3957-12	MW203D1-20240910	Water	1,4-Dioxane	1.000		0.07	0.21	ug/L
P3957-12	MW203D1-20240910	Water	Phenanthrene	0.020	J	0.02	0.1	ug/L
			Total Svoc :			1.02		
			Total Concentration:			1.02		
Client ID : MW201D-20240910								
P3957-13	MW201D-20240910	Water	1,4-Dioxane	6.700	E	0.07	0.2	ug/L
P3957-13	MW201D-20240910	Water	Bis(2-ethylhexyl)phthalate	0.480		0.14	0.2	ug/L
			Total Svoc :			7.18		
			Total Concentration:			7.18		
Client ID : RE126D2-20240912								
P4003-14	RE126D2-20240912	Water	1,4-Dioxane	3.700		0.07	0.2	ug/L
			Total Svoc :			3.70		
			Total Concentration:			3.70		

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN091924 SAS No.: BN091924 SDG No.: BN091924

Instrument ID: _____ Calibration Date(s): 9/18/2024 : _____

Calibration Time(s): 11:53 _____

LAB FILE ID:		RRF0.1 = BN034033.D		RRF0.2 = BN034034.D		RRF0.4 = BN034035.D		
		RRF0.8 = BN034036.D		RRF1.6 = BN034037.D		RRF3.2 = BN034038.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.568	0.554	0.560	0.631	0.627	0.585	0.591	5.4
Fluoranthene-d10	0.965	0.947	0.953	1.059	1.054	1.013	1.009	5.3
n-Nitrosodimethylamine	0.531	0.571	0.550	0.613	0.606	0.560	0.569	5.3
2-Fluorophenol	1.201	1.157	1.069	1.203	1.148	1.080	1.135	5.0
Phenol-d6	1.239	1.215	1.189	1.406	1.401	1.371	1.320	7.7
bis(2-Chloroethyl)ether	1.156	1.095	1.106	1.276	1.223	1.159	1.168	5.4
Nitrobenzene-d5	0.270	0.269	0.280	0.331	0.336	0.321	0.306	10.3
Naphthalene	1.092	1.062	1.056	1.171	1.149	1.068	1.098	4.1
Hexachlorobutadiene	0.216	0.208	0.204	0.219	0.213	0.192	0.207	4.9
2-Methylnaphthalene	0.680	0.671	0.678	0.763	0.759	0.713	0.714	5.5
2-Fluorobiphenyl	1.629	1.576	1.574	1.722	1.693	1.597	1.627	3.6
Acenaphthylene	1.530	1.512	1.537	1.804	1.846	1.838	1.712	10.4
Acenaphthene	1.206	1.182	1.175	1.298	1.272	1.224	1.228	3.7
Fluorene	1.582	1.538	1.528	1.704	1.690	1.618	1.612	4.2
4,6-Dinitro-2-methylphenol		0.042	0.046	0.061	0.065	0.072	0.057	21.9
2,4,6-Tribromophenol	0.162	0.156	0.155	0.187	0.192	0.197	0.181	13.5
4-Bromophenyl-phenylether	0.218	0.210	0.213	0.236	0.236	0.225	0.225	5.0
Hexachlorobenzene	0.250	0.246	0.248	0.259	0.263	0.246	0.252	2.6
Atrazine	0.175	0.170	0.170	0.198	0.197	0.192	0.186	7.5
Pentachlorophenol	0.078	0.065	0.070	0.088	0.095	0.105	0.083	18.3
Phenanthrene	1.153	1.090	1.107	1.196	1.191	1.129	1.149	3.6
Anthracene	0.817	0.826	0.843	0.985	1.008	1.011	0.937	11.2
Fluoranthene	1.249	1.226	1.258	1.405	1.414	1.359	1.331	6.3
Pyrene	1.720	1.641	1.691	1.763	1.713	1.620	1.688	2.9
Terphenyl-d14	0.810	0.767	0.794	0.842	0.821	0.767	0.799	3.5
Benzo (a) anthracene	1.227	1.187	1.178	1.343	1.303	1.272	1.265	5.6
Chrysene	1.487	1.410	1.529	1.610	1.559	1.464	1.510	4.3
Bis(2-ethylhexyl)phthalate		0.628	0.550	0.498	0.457	0.485	0.527	11.6
Benzo (b) fluoranthene	1.427	1.415	1.453	1.625	1.695	1.657	1.567	8.3
Benzo (k) fluoranthene	1.514	1.538	1.626	1.746	1.760	1.628	1.645	5.9
Benzo (a) pyrene	1.167	1.122	1.197	1.335	1.369	1.340	1.277	8.8
Indeno (1,2,3-cd) pyrene	1.594	1.543	1.765	1.863	1.772	1.717	1.714	6.4
Dibenzo (a,h) anthracene	1.212	1.185	1.352	1.458	1.390	1.355	1.331	7.4
Benzo (g,h,i) perylene	1.446	1.408	1.505	1.608	1.534	1.477	1.495	4.3
1,4-Dioxane	0.558	0.536	0.503	0.503	0.488	0.468	0.500	7.7

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.: BN092024 SAS No.: BN092024 SDG NO.: BN092024

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Sep 19 2024 12:00AM

Lab File ID: BN034035.D Time Analyzed: 23:19

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	6856	7.437	19411	10.20	11055	14.08
	UPPER LIMIT	13712	7.937	38822	10.697	22110	14.582
	LOWER LIMIT	3428	6.937	9705.5	9.697	5527.5	13.582
	EPA SAMPLE NO.						
01	PB163368BL	5747	7.44	14805	10.19	7784	14.08
02	PB163368BS	6398	7.43	19035	10.19	10903	14.08
03	RE126D2-20240912	5386	7.44	15223	10.19	8902	14.08
04	MW202D-20240909	6031	7.44	16834	10.19	9657	14.08
05	MW202D1-20240909	5233	7.44	15507	10.19	8960	14.08
06	MW203D-20240909	6093	7.43	16816	10.19	9167	14.08
07	MW305D-20240910	5360	7.44	15498	10.19	9061	14.08
08	MW305I-20240910	5432	7.44	15912	10.19	9260	14.08
09	MW179D1-20240910	5340	7.43	14993	10.19	8392	14.08
10	MW179D2-20240910	5993	7.43	16724	10.19	9408	14.08
11	MW179D-20240910	5596	7.43	15803	10.19	8707	14.08
12	MW179D-20240910MS	5521	7.43	16016	10.19	8933	14.08
13	MW179D-20240910MSD	5920	7.43	16906	10.19	9260	14.08
14	MW203D2-20240910	5791	7.43	16066	10.19	8594	14.08
15	MW203D1-20240910	5499	7.43	15572	10.19	8544	14.08
16	MW201D-20240910	5733	7.43	16521	10.19	8976	14.08

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN092024 SAS No.: BN092024 SDG NO.: BN092024

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Sep 20 2024 12:00AM

Lab File ID: BN034035.D Time Analyzed: 08:23

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	6856	7.437	19411	10.20	11055	14.08
UPPER LIMIT	13712	7.937	38822	10.697	22110	14.582
LOWER LIMIT	3428	6.937	9705.5	9.697	5527.5	13.582
EPA SAMPLE NO.						

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.: BN092024 SAS No.: BN092024 SDG NO.: BN092024

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Sep 19 2024 12:00AM

Lab File ID: BN034060.D Time Analyzed: 23:19

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	7462	7.431	21928	10.19	12485	14.08
	UPPER LIMIT	14924	7.931	43856	10.691	24970	14.579
	LOWER LIMIT	3731	6.931	10964	9.691	6242.5	13.579
	EPA SAMPLE NO.						
01	PB163368BL	5747	7.44	14805	10.19	7784	14.08
02	PB163368BS	6398	7.43	19035	10.19	10903	14.08
03	RE126D2-20240912	5386	7.44	15223	10.19	8902	14.08
04	MW202D-20240909	6031	7.44	16834	10.19	9657	14.08
05	MW202D1-20240909	5233	7.44	15507	10.19	8960	14.08
06	MW203D-20240909	6093	7.43	16816	10.19	9167	14.08
07	MW305D-20240910	5360	7.44	15498	10.19	9061	14.08
08	MW305I-20240910	5432	7.44	15912	10.19	9260	14.08
09	MW179D1-20240910	5340	7.43	14993	10.19	8392	14.08
10	MW179D2-20240910	5993	7.43	16724	10.19	9408	14.08
11	MW179D-20240910	5596	7.43	15803	10.19	8707	14.08
12	MW179D-20240910MS	5521	7.43	16016	10.19	8933	14.08
13	MW179D-20240910MSD	5920	7.43	16906	10.19	9260	14.08
14	MW203D2-20240910	5791	7.43	16066	10.19	8594	14.08
15	MW203D1-20240910	5499	7.43	15572	10.19	8544	14.08
16	MW201D-20240910	5733	7.43	16521	10.19	8976	14.08

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN092024 SAS No.: BN092024 SDG NO.: BN092024

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Sep 20 2024 12:00AM

Lab File ID: BN034060.D Time Analyzed: 08:23

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	7462	7.431	21928	10.19	12485	14.08
UPPER LIMIT	14924	7.931	43856	10.691	24970	14.579
LOWER LIMIT	3731	6.931	10964	9.691	6242.5	13.579
EPA SAMPLE NO.						

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.: BN092024 SAS No.: BN092024 SDG NO.: BN092024

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Sep 19 2024 12:00AM

Lab File ID: BN034035.D Time Analyzed: 23:19

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	24256	16.842	18497	21.059	19466	23.186
	UPPER LIMIT	48512	17.342	36994	21.559	38932	23.686
	LOWER LIMIT	12128	16.342	9248.5	20.559	9733	22.686
	EPA SAMPLE NO.						
01	PB163368BL	17247	16.85	11127	21.06	8972 *	23.18
02	PB163368BS	24994	16.83	19095	21.05	18917	23.18
03	RE126D2-20240912	20717	16.84	16565	21.06	11088	23.18
04	MW202D-20240909	21952	16.84	15510	21.06	12786	23.18
05	MW202D1-20240909	20931	16.83	15933	21.05	13544	23.18
06	MW203D-20240909	19291	16.84	12699	21.05	11247	23.18
07	MW305D-20240910	21444	16.83	16206	21.05	14678	23.18
08	MW305I-20240910	21595	16.84	16421	21.05	14571	23.18
09	MW179D1-20240910	17914	16.84	11647	21.05	9908	23.18
10	MW179D2-20240910	20793	16.84	13634	21.05	11391	23.18
11	MW179D-20240910	18703	16.83	12070	21.05	10320	23.18
12	MW179D-20240910MS	20983	16.83	16720	21.05	14950	23.18
13	MW179D-20240910MSD	21204	16.83	16025	21.05	12836	23.18
14	MW203D2-20240910	18216	16.84	11555	21.06	10350	23.18
15	MW203D1-20240910	18106	16.83	11708	21.05	9662 *	23.18
16	MW201D-20240910	19353	16.83	13143	21.05	11043	23.18

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN092024 SAS No.: BN092024 SDG NO.: BN092024

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Sep 20 2024 12:00AM

Lab File ID: BN034035.D Time Analyzed: 08:23

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	24256	16.842	18497	21.059	19466	23.186
UPPER LIMIT	48512	17.342	36994	21.559	38932	23.686
LOWER LIMIT	12128	16.342	9248.5	20.559	9733	22.686
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN092024 SAS No.: BN092024 SDG NO.: BN092024

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Sep 19 2024 12:00AM

Lab File ID: BN034060.D Time Analyzed: 23:19

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	28454	16.84	22128	21.06	23533	23.187
	UPPER LIMIT	56908	17.34	44256	21.56	47066	23.687
	LOWER LIMIT	14227	16.34	11064	20.56	11766.5	22.687
	EPA SAMPLE NO.						
01	PB163368BL	17247	16.85	11127	21.06	8972 *	23.18
02	PB163368BS	24994	16.83	19095	21.05	18917	23.18
03	RE126D2-20240912	20717	16.84	16565	21.06	11088 *	23.18
04	MW202D-20240909	21952	16.84	15510	21.06	12786	23.18
05	MW202D1-20240909	20931	16.83	15933	21.05	13544	23.18
06	MW203D-20240909	19291	16.84	12699	21.05	11247 *	23.18
07	MW305D-20240910	21444	16.83	16206	21.05	14678	23.18
08	MW305I-20240910	21595	16.84	16421	21.05	14571	23.18
09	MW179D1-20240910	17914	16.84	11647	21.05	9908 *	23.18
10	MW179D2-20240910	20793	16.84	13634	21.05	11391 *	23.18
11	MW179D-20240910	18703	16.83	12070	21.05	10320 *	23.18
12	MW179D-20240910MS	20983	16.83	16720	21.05	14950	23.18
13	MW179D-20240910MSD	21204	16.83	16025	21.05	12836	23.18
14	MW203D2-20240910	18216	16.84	11555	21.06	10350 *	23.18
15	MW203D1-20240910	18106	16.83	11708	21.05	9662 *	23.18
16	MW201D-20240910	19353	16.83	13143	21.05	11043 *	23.18

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN092024 SAS No.: BN092024 SDG NO.: BN092024

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Sep 20 2024 12:00AM

Lab File ID: BN034060.D Time Analyzed: 08:23

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	28454	16.84	22128	21.06	23533	23.187
UPPER LIMIT	56908	17.34	44256	21.56	47066	23.687
LOWER LIMIT	14227	16.34	11064	20.56	11766.5	22.687
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN092024

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB163368BS	n-Nitrosodimethylamine	0.4	0.39	ug/L	98				33	130	
	bis(2-Chloroethyl)ether	0.4	0.37	ug/L	93				55	118	
	Naphthalene	0.4	0.39	ug/L	98				67	120	
	Hexachlorobutadiene	0.4	0.41	ug/L	103				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	0.4	ug/L	100				65	119	
	Total PAH	6.4	6.27	ug/L	98				65	119	
	Fluorene	0.4	0.4	ug/L	100				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.35	ug/L	88				20	150	
	4-Bromophenyl-phenylether	0.4	0.39	ug/L	98				20	150	
	Hexachlorobenzene	0.4	0.4	ug/L	100				62	127	
	Atrazine	0.4	0.35	ug/L	88				20	150	
	Pentachlorophenol	0.8	0.28	ug/L	35				10	137	
	Phenanthrene	0.4	0.4	ug/L	100				65	117	
	Anthracene	0.4	0.38	ug/L	95				57	118	
	Fluoranthene	0.4	0.39	ug/L	98				53	126	
	Pyrene	0.4	0.41	ug/L	103				54	124	
	Benzo(a)anthracene	0.4	0.38	ug/L	95				54	130	
	Chrysene	0.4	0.42	ug/L	105				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.21	ug/L	52				40	137	
	Benzo(b)fluoranthene	0.4	0.39	ug/L	98				65	121	
	Benzo(k)fluoranthene	0.4	0.42	ug/L	105				72	119	
	Benzo(a)pyrene	0.4	0.39	ug/L	98				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.38	ug/L	95				70	127	
	Dibenz(a,h)anthracene	0.4	0.37	ug/L	93				65	121	
	Benzo(g,h,i)perylene	0.4	0.37	ug/L	93				76	117	
	1,4-Dioxane	0.4	0.41	ug/L	103				42	127	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163368BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN092024

SAS No.: BN092024 SDG NO.: BN092024

Lab File ID: BN034061.D

Lab Sample ID: PB163368BL

Instrument ID: BNA_N

Date Extracted: 09/13/2024

Matrix: (soil/water) Water

Date Analyzed: 09/19/2024

Level: (low/med) LOW

Time Analyzed: 23:19

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB163368BS	PB163368BS	BN034062.D	09/19/2024
MW202D-20240909	P3957-01	BN034064.D	09/20/2024
MW202D1-20240909	P3957-02	BN034065.D	09/20/2024
MW203D-20240909	P3957-03	BN034066.D	09/20/2024
MW305D-20240910	P3957-04	BN034067.D	09/20/2024
MW305I-20240910	P3957-05	BN034068.D	09/20/2024
MW179D1-20240910	P3957-06	BN034069.D	09/20/2024
MW179D2-20240910	P3957-07	BN034070.D	09/20/2024
MW179D-20240910	P3957-08	BN034071.D	09/20/2024
MW179D-20240910MS	P3957-09MS	BN034072.D	09/20/2024
MW179D-20240910MSD	P3957-10MSD	BN034073.D	09/20/2024
MW203D2-20240910	P3957-11	BN034074.D	09/20/2024
MW203D1-20240910	P3957-12	BN034075.D	09/20/2024
MW201D-20240910	P3957-13	BN034076.D	09/20/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

RE126D2-20240912

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN092024

SAS No.: BN092024 SDG NO.: BN092024

Lab File ID: BN034063.D

Lab Sample ID: P4003-14

Instrument ID: BNA_N

Date Extracted: 09/14/2024

Matrix: (soil/water) Water

Date Analyzed: 09/20/2024

Level: (low/med) LOW

Time Analyzed: 00:32

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RE126D2-20240912	P4003-14	BN034063.D	09/20/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BN092024

Client: _____

Analytical Method: **8270-Modified**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3957-09MS		Client Sample ID: MW179D-20240910MS		DataFile: BN034072.D							
n-Nitrosodimethylamine	0.41	0.03	0.15	ug/L	37				10	158	
bis(2-Chloroethyl)ether	0.41		0.36	ug/L	80				27	159	
Naphthalene	0.41		0.34	ug/L	83				62	119	
Hexachlorobutadiene	0.41		0.27	ug/L	66				14	140	
2-Methylnaphthalene	0.41		0.34	ug/L	83				70	118	
Acenaphthylene	0.41		0.36	ug/L	88				53	123	
Acenaphthene	0.41		0.37	ug/L	90				57	122	
Total PAH	6.56		6.81	ug/L	104				57	122	
Fluorene	0.41		0.39	ug/L	95				58	123	
4,6-Dinitro-2-methylphenol	0.41		0.45	ug/L	110				20	150	
4-Bromophenyl-phenylether	0.41		0.38	ug/L	93				20	150	
Hexachlorobenzene	0.41		0.35	ug/L	85				31	160	
Atrazine	0.41		0.43	ug/L	105				20	150	
Pentachlorophenol	0.82	0.1	0.91	ug/L	99				10	179	
Phenanthrene	0.41		0.45	ug/L	110				64	129	
Anthracene	0.41		0.44	ug/L	107				67	127	
Fluoranthene	0.41		0.46	ug/L	112				55	140	
Pyrene	0.41		0.48	ug/L	117				59	137	
Benzo(a)anthracene	0.41		0.47	ug/L	115				51	146	
Chrysene	0.41		0.48	ug/L	117				61	126	
bis(2-Ethylhexyl)phthalate	0.41		0.3	ug/L	73				35	175	
Benzo(b)fluoranthene	0.41		0.48	ug/L	117				60	123	
Benzo(k)fluoranthene	0.41		0.48	ug/L	117				61	122	
Benzo(a)pyrene	0.41		0.47	ug/L	115				54	129	
Indeno(1,2,3-cd)pyrene	0.41		0.4	ug/L	98				50	134	
Dibenz(a,h)anthracene	0.41		0.4	ug/L	98				53	121	
Benzo(g,h,i)perylene	0.41	0.28	0.34	ug/L	83				44	132	
1,4-Dioxane	0.41		0.36	ug/L	20				10	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BN092024

Client: _____

Analytical Method: **8270-Modified**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3957-10MSD		Client Sample ID: MW179D-20240910MSD		DataFile: BN034073.D							
n-Nitrosodimethylamine	0.41	0.03	0.15	ug/L	37		0		10	158	20
bis(2-Chloroethyl)ether	0.41		0.36	ug/L	80		0		27	159	20
Naphthalene	0.41		0.33	ug/L	80		4		62	119	20
Hexachlorobutadiene	0.41		0.26	ug/L	63		5		14	140	20
2-Methylnaphthalene	0.41		0.33	ug/L	80		4		70	118	20
Acenaphthylene	0.41		0.36	ug/L	88		0		53	123	20
Acenaphthene	0.41		0.36	ug/L	88		2		57	122	20
Total PAH	6.56		6.77	ug/L	103		1		57	122	20
Fluorene	0.41		0.38	ug/L	93		2		58	123	20
4,6-Dinitro-2-methylphenol	0.41		0.44	ug/L	107		3		20	150	20
4-Bromophenyl-phenylether	0.41		0.39	ug/L	95		2		20	150	20
Hexachlorobenzene	0.41		0.35	ug/L	85		0		31	160	20
Atrazine	0.41		0.42	ug/L	102		3		20	150	20
Pentachlorophenol	0.82	0.1	0.89	ug/L	96		3		10	179	20
Phenanthrene	0.41		0.45	ug/L	110		0		64	129	20
Anthracene	0.41		0.44	ug/L	107		0		67	127	20
Fluoranthene	0.41		0.45	ug/L	110		2		55	140	20
Pyrene	0.41		0.48	ug/L	117		0		59	137	20
Benzo(a)anthracene	0.41		0.45	ug/L	110		4		51	146	20
Chrysene	0.41		0.47	ug/L	115		2		61	126	20
bis(2-Ethylhexyl)phthalate	0.41		0.3	ug/L	73		0		35	175	20
Benzo(b)fluoranthene	0.41		0.5	ug/L	122		4		60	123	20
Benzo(k)fluoranthene	0.41		0.48	ug/L	117		0		61	122	20
Benzo(a)pyrene	0.41		0.48	ug/L	117		2		54	129	20
Indeno(1,2,3-cd)pyrene	0.41		0.4	ug/L	98		0		50	134	20
Dibenz(a,h)anthracene	0.41		0.4	ug/L	98		0		53	121	20
Benzo(g,h,i)perylene	0.41	0.28	0.34	ug/L	83		0		44	132	20
1,4-Dioxane	0.41		0.35	ug/L	17		16		10	175	20

Surrogate Summary

SW-846

SDG No.: **BN092024**

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3957-01	MW202D-2024090\BN034064.D		2-Methylnaphthalene-d10	0.4	0.35	86		20	139
			Fluoranthene-d10	0.4	0.46	115		30	150
			2-Fluorophenol	0.4	0.13	32		10	100
			Phenol-d6	0.4	0.07	17		10	100
			Nitrobenzene-d5	0.4	0.30	75		27	123
			2-Fluorobiphenyl	0.4	0.37	91		34	132
			2,4,6-Tribromophenol	0.4	0.33	83		10	131
			Terphenyl-d14	0.4	0.57	143		35	157
P3957-02	MW202D1-202409\BN034065.D		2-Methylnaphthalene-d10	0.4	0.34	85		20	139
			Fluoranthene-d10	0.4	0.46	115		30	150
			2-Fluorophenol	0.4	0.14	35		10	100
			Phenol-d6	0.4	0.08	19		10	100
			Nitrobenzene-d5	0.4	0.28	71		27	123
			2-Fluorobiphenyl	0.4	0.37	92		34	132
			2,4,6-Tribromophenol	0.4	0.35	86		10	131
			Terphenyl-d14	0.4	0.51	127		35	157
P3957-03	MW203D-2024090\BN034066.D		2-Methylnaphthalene-d10	0.4	0.35	87		20	139
			Fluoranthene-d10	0.4	0.43	108		30	150
			2-Fluorophenol	0.4	0.15	38		10	100
			Phenol-d6	0.4	0.09	21		10	100
			Nitrobenzene-d5	0.4	0.31	78		27	123
			2-Fluorobiphenyl	0.4	0.38	95		34	132
			2,4,6-Tribromophenol	0.4	0.33	81		10	131
			Terphenyl-d14	0.4	0.55	138		35	157
P3957-04	MW305D-2024091\BN034067.D		2-Methylnaphthalene-d10	0.4	0.36	89		20	139
			Fluoranthene-d10	0.4	0.46	114		30	150
			2-Fluorophenol	0.4	0.14	35		10	100
			Phenol-d6	0.4	0.07	18		10	100
			Nitrobenzene-d5	0.4	0.31	77		27	123
			2-Fluorobiphenyl	0.4	0.37	93		34	132
			2,4,6-Tribromophenol	0.4	0.35	87		10	131
			Terphenyl-d14	0.4	0.52	129		35	157
P3957-05	MW305I-20240910\BN034068.D		2-Methylnaphthalene-d10	0.4	0.35	88		20	139
			Fluoranthene-d10	0.4	0.45	112		30	150
			2-Fluorophenol	0.4	0.15	37		10	100
			Phenol-d6	0.4	0.08	19		10	100
			Nitrobenzene-d5	0.4	0.30	75		27	123
			2-Fluorobiphenyl	0.4	0.36	89		34	132
			2,4,6-Tribromophenol	0.4	0.32	79		10	131
			Terphenyl-d14	0.4	0.53	132		35	157
P3957-06	MW179D1-202409 BN034069.D		2-Methylnaphthalene-d10	0.4	0.36	90		20	139
			Fluoranthene-d10	0.4	0.43	107		30	150
			2-Fluorophenol	0.4	0.13	34		10	100
			Phenol-d6	0.4	0.07	17		10	100
			Nitrobenzene-d5	0.4	0.31	78		27	123
			2-Fluorobiphenyl	0.4	0.38	95		34	132
			2,4,6-Tribromophenol	0.4	0.30	75		10	131
			Terphenyl-d14	0.4	0.54	135		35	157
P3957-07	MW179D2-202409 BN034070.D		2-Methylnaphthalene-d10	0.4	0.37	92		20	139

Surrogate Summary

SW-846

SDG No.: **BN092024**

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3957-07	MW179D2-202409	BN034070.D	Fluoranthene-d10	0.4	0.44	109		30	150
			2-Fluorophenol	0.4	0.13	34		10	100
			Phenol-d6	0.4	0.07	18		10	100
			Nitrobenzene-d5	0.4	0.34	84		27	123
			2-Fluorobiphenyl	0.4	0.39	97		34	132
			2,4,6-Tribromophenol	0.4	0.32	81		10	131
			Terphenyl-d14	0.4	0.55	138		35	157
P3957-08	MW179D-2024091	BN034071.D	2-Methylnaphthalene-d10	0.4	0.38	95		20	139
			Fluoranthene-d10	0.4	0.45	112		30	150
			2-Fluorophenol	0.4	0.14	35		10	100
			Phenol-d6	0.4	0.07	18		10	100
			Nitrobenzene-d5	0.4	0.33	83		27	123
			2-Fluorobiphenyl	0.4	0.41	102		34	132
			2,4,6-Tribromophenol	0.4	0.34	86		10	131
P3957-09MS	MW179D-2024091	BN034072.D	Terphenyl-d14	0.4	0.57	142		35	157
			2-Methylnaphthalene-d10	0.4	0.33	81		20	139
			Fluoranthene-d10	0.4	0.45	112		30	150
			2-Fluorophenol	0.4	0.12	31		10	100
			Phenol-d6	0.4	0.07	19		10	100
			Nitrobenzene-d5	0.4	0.32	79		27	123
			2-Fluorobiphenyl	0.4	0.34	84		34	132
P3957-10MSD	MW179D-2024091	BN034073.D	2,4,6-Tribromophenol	0.4	0.32	80		10	131
			Terphenyl-d14	0.4	0.46	115		35	157
			2-Methylnaphthalene-d10	0.4	0.32	80		20	139
			Fluoranthene-d10	0.4	0.44	109		30	150
			2-Fluorophenol	0.4	0.12	30		10	100
			Phenol-d6	0.4	0.07	18		10	100
			Nitrobenzene-d5	0.4	0.31	77		27	123
P3957-11	MW203D2-202409	BN034074.D	2-Fluorobiphenyl	0.4	0.33	83		34	132
			2,4,6-Tribromophenol	0.4	0.31	76		10	131
			Terphenyl-d14	0.4	0.47	118		35	157
			2-Methylnaphthalene-d10	0.4	0.35	88		20	139
			Fluoranthene-d10	0.4	0.43	107		30	150
			2-Fluorophenol	0.4	0.13	33		10	100
			Phenol-d6	0.4	0.07	16		10	100
P3957-12	MW203D1-202409	BN034075.D	Nitrobenzene-d5	0.4	0.31	77		27	123
			2-Fluorobiphenyl	0.4	0.37	91		34	132
			2,4,6-Tribromophenol	0.4	0.29	72		10	131
			Terphenyl-d14	0.4	0.54	135		35	157
			2-Methylnaphthalene-d10	0.4	0.33	83		20	139
			Fluoranthene-d10	0.4	0.43	108		30	150
			2-Fluorophenol	0.4	0.14	35		10	100
P3957-13	MW201D-2024091	BN034076.D	Phenol-d6	0.4	0.08	20		10	100
			Nitrobenzene-d5	0.4	0.29	72		27	123
			2-Fluorobiphenyl	0.4	0.35	86		34	132
			2,4,6-Tribromophenol	0.4	0.28	70		10	131
			Terphenyl-d14	0.4	0.53	132		35	157
			2-Methylnaphthalene-d10	0.4	0.37	93		20	139
			Fluoranthene-d10	0.4	0.47	118		30	150

Surrogate Summary

SW-846

SDG No.: **BN092024**

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3957-13	MW201D-20240910	BN034076.D	2-Fluorophenol	0.4	0.15	37		10	100
			Phenol-d6	0.4	0.08	20		10	100
			Nitrobenzene-d5	0.4	0.32	81		27	123
			2-Fluorobiphenyl	0.4	0.38	95		34	132
			2,4,6-Tribromophenol	0.4	0.33	83		10	131
			Terphenyl-d14	0.4	0.56	139		35	157
PB163368BL	PB163368BL	BN034061.D	2-Methylnaphthalene-d10	0.4	0.37	91		20	139
			Fluoranthene-d10	0.4	0.42	106		30	150
			2-Fluorophenol	0.4	0.37	93		10	100
			Phenol-d6	0.4	0.29	73		10	100
			Nitrobenzene-d5	0.4	0.34	84		27	123
			2-Fluorobiphenyl	0.4	0.40	100		34	132
			2,4,6-Tribromophenol	0.4	0.17	43		10	131
			Terphenyl-d14	0.4	0.50	125		35	157
			2-Methylnaphthalene-d10	0.4	0.37	91		20	139
			Fluoranthene-d10	0.4	0.37	92		30	150
PB163368BS	PB163368BS	BN034062.D	2-Fluorophenol	0.4	0.32	81		10	100
			Phenol-d6	0.4	0.31	78		10	100
			Nitrobenzene-d5	0.4	0.36	90		27	123
			2-Fluorobiphenyl	0.4	0.39	98		34	132
			2,4,6-Tribromophenol	0.4	0.30	74		10	131
			Terphenyl-d14	0.4	0.36	89		35	157

Surrogate Summary

SW-846

SDG No.: BN092024

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4003-14	RE126D2-2024091:BN034063.D		2-Methylnaphthalene-d10	0.4	0.34	84		20	139
			Fluoranthene-d10	0.4	0.47	118		30	150
			2-Fluorophenol	0.4	0.12	29		10	100
			Phenol-d6	0.4	0.06	14		10	100
			Nitrobenzene-d5	0.4	0.28	71		27	123
			2-Fluorobiphenyl	0.4	0.34	85		34	132
			2,4,6-Tribromophenol	0.4	0.27	67		10	131
			Terphenyl-d14	0.4	0.50	125		35	157

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN092024

Lab Code: CHEM

SAS No.: BN092024

SDG NO.: BN092024

Lab File ID: BN034059.D

DFTPP Injection Date: 09/19/2024

Instrument ID: BNA_N

DFTPP Injection Time: 21:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	46.3
68	Less than 2.0% of mass 69	0.8 (1.6) 1
69	Mass 69 relative abundance	46.4
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	55.4
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	7.2
275	10.0 - 60.0% of mass 198	26.1
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	9.3
442	Greater than 50% of mass 198	60.1
443	15.0 - 24.0% of mass 442	12.2 (20.3) 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	BN034060.D	09/19/2024	22:43
PB163368BL	PB163368BL	BN034061.D	09/19/2024	23:19
PB163368BS	PB163368BS	BN034062.D	09/19/2024	23:55
RE126D2-20240912	P4003-14	BN034063.D	09/20/2024	00:32
MW202D-20240909	P3957-01	BN034064.D	09/20/2024	01:08
MW202D1-20240909	P3957-02	BN034065.D	09/20/2024	01:44
MW203D-20240909	P3957-03	BN034066.D	09/20/2024	02:21
MW305D-20240910	P3957-04	BN034067.D	09/20/2024	02:57
MW305I-20240910	P3957-05	BN034068.D	09/20/2024	03:33
MW179D1-20240910	P3957-06	BN034069.D	09/20/2024	04:09
MW179D2-20240910	P3957-07	BN034070.D	09/20/2024	04:46
MW179D-20240910	P3957-08	BN034071.D	09/20/2024	05:22
MW179D-20240910MS	P3957-09MS	BN034072.D	09/20/2024	05:58
MW179D-20240910MSD	P3957-10MSD	BN034073.D	09/20/2024	06:34
MW203D2-20240910	P3957-11	BN034074.D	09/20/2024	07:11
MW203D1-20240910	P3957-12	BN034075.D	09/20/2024	07:47
MW201D-20240910	P3957-13	BN034076.D	09/20/2024	08:23
SSTDCCC0.4EC	SSTDCCC0.4	BN034077.D	09/20/2024	08:59