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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN100924 SAS No.: BN100924 SDG No.: BN100924

Instrument ID: BNA_N Calibration Date/Time: 10/9/2024 12 12:00

Lab File ID: BN034499.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	0.610		3.215	20.0
Fluoranthene-d10	1.009	1.123		11.298	20.0
n-Nitrosodimethylamine	0.569	0.504		-11.424	20.0
2-Fluorophenol	1.135	1.266		11.542	20.0
Phenol-d6	1.320	1.566		18.636	20.0
bis(2-Chloroethyl)ether	1.168	1.105		-5.394	20.0
Nitrobenzene-d5	0.306	0.335		9.477	20.0
Naphthalene	1.098	1.050		-4.372	20.0
Hexachlorobutadiene	0.207	0.219		5.797	20.0
2-Methylnaphthalene	0.714	0.700		-1.961	20.0
2-Fluorobiphenyl	1.627	1.142		-29.809	20.0
Acenaphthylene	1.712	1.690		-1.285	20.0
Acenaphthene	1.228	0.981		-20.114	20.0
Fluorene	1.612	1.344		-16.625	20.0
4,6-Dinitro-2-methylphenol	0.057	0.008		-85.965	20.0
2,4,6-Tribromophenol	0.181	0.254		40.331	20.0
4-Bromophenyl-phenylether	0.225	0.232		3.111	20.0
Hexachlorobenzene	0.252	0.359		42.46	20.0
Atrazine	0.186	0.239		28.495	20.0
Pentachlorophenol	0.083	0.150		80.723	20.0
Phenanthrene	1.149	1.132		-1.48	20.0
Anthracene	0.937	1.067		13.874	20.0
Fluoranthene	1.331	1.322		-0.676	20.0
Pyrene	1.688	2.723		61.315	20.0
Terphenyl-d14	0.799	1.526		90.989	20.0
Benzo(a)anthracene	1.265	0.092		-92.727	20.0
Chrysene	1.510	2.746		81.854	20.0
Bis(2-ethylhexyl)phthalate	0.527	3.625		587.856	20.0
Benzo(b)fluoranthene	1.567	1.301		-16.975	20.0
Benzo(k)fluoranthene	1.645	1.255		-23.708	20.0
Benzo(a)pyrene	1.277	1.169		-8.457	20.0
Indeno(1,2,3-cd)pyrene	1.714	1.339		-21.879	20.0
Dibenzo(a,h)anthracene	1.331	1.076		-19.159	20.0
Benzo(g,h,i)perylene	1.495	1.145		-23.411	20.0
1,4-Dioxane	0.500	0.440		-12.0	20.0

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN100924 SAS No.: BN100924 SDG No.: BN100924

Instrument ID: BNA_N Calibration Date/Time: 10/9/2024 12 21:38

Lab File ID: BN034515.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	0.516		-12.69	50.0
Fluoranthene-d10	1.009	0.902		-10.605	50.0
n-Nitrosodimethylamine	0.569	0.443		-22.144	50.0
2-Fluorophenol	1.135	0.963		-15.154	50.0
Phenol-d6	1.320	3.616		173.939	50.0
bis(2-Chloroethyl)ether	1.168	1.080		-7.534	50.0
Nitrobenzene-d5	0.306	0.286		-6.536	50.0
Naphthalene	1.098	1.048		-4.554	50.0
Hexachlorobutadiene	0.207	0.231		11.594	50.0
2-Methylnaphthalene	0.714	0.628		-12.045	50.0
2-Fluorobiphenyl	1.627	1.351		-16.964	50.0
Acenaphthylene	1.712	1.544		-9.813	50.0
Acenaphthene	1.228	1.139		-7.248	50.0
Fluorene	1.612	1.403		-12.965	50.0
4,6-Dinitro-2-methylphenol	0.057	0.006		-89.474	50.0
2,4,6-Tribromophenol	0.181	0.130		-28.177	50.0
4-Bromophenyl-phenylether	0.225	0.212		-5.778	50.0
Hexachlorobenzene	0.252	0.295		17.063	50.0
Atrazine	0.186	0.150		-19.355	50.0
Pentachlorophenol	0.083	0.066		-20.482	50.0
Phenanthrene	1.149	1.040		-9.487	50.0
Anthracene	0.937	0.832		-11.206	50.0
Fluoranthene	1.331	1.185		-10.969	50.0
Pyrene	1.688	2.027		20.083	50.0
Terphenyl-d14	0.799	0.892		11.64	50.0
Benzo(a)anthracene	1.265	0.382		-69.802	50.0
Chrysene	1.510	1.720		13.907	50.0
Bis(2-ethylhexyl)phthalate	0.527	0.000		-100.0	50.0
Benzo(b)fluoranthene	1.567	1.321		-15.699	50.0
Benzo(k)fluoranthene	1.645	1.489		-9.483	50.0
Benzo(a)pyrene	1.277	1.135		-11.12	50.0
Indeno(1,2,3-cd)pyrene	1.714	1.500		-12.485	50.0
Dibenzo(a,h)anthracene	1.331	1.144		-14.05	50.0
Benzo(g,h,i)perylene	1.495	1.406		-5.953	50.0
1,4-Dioxane	0.500	0.654		30.8	50.0

All other compounds must meet a minimum RRF of 0.010.

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Report of Analysis

Client:				Date Collected:	9/30/2024 12:00:00 AM
Project:				Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	PB163804BL			SDG No.:	BN100924
Lab Sample ID:	PB163804BL			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
BN034500.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

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

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Report of Analysis

Client:				Date Collected:	9/30/2024 12:00:00 AM
Project:				Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	PB163804BL			SDG No.:	BN100924
Lab Sample ID:	PB163804BL			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
BN034500.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.385		20-139		96	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.402		30-150		100	SPK: -0.4
367-12-4	2-Fluorophenol	0.371		10-100		93	SPK: -0.4
13127-88-3	Phenol-d6	0.348		10-100		87	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.381		27-123		95	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.324		34-132		81	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.355		10-131		89	SPK: -0.4
1718-51-0	Terphenyl-d14	0.607		35-157		152	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4625	7.373				
1146-65-2	Naphthalene-d8	12752	10.127				
15067-26-2	Acenaphthene-d10	7010	14.019				
1517-22-2	Phenanthrene-d10	12724	16.783				
1719-03-5	Chrysene-d12	7152	21.008				
1520-96-3	Perylene-d12	11105	23.116				

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Report of Analysis

Client:				Date Collected:	9/30/2024 12:00:00 AM
Project:				Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	PB163804BS			SDG No.:	BN100924
Lab Sample ID:	PB163804BS			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
BN034501.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.33		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.37		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.4		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	0.39		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.4		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	6.41		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.35		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.17	J	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.43		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	0.46		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.91		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.41		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.46		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	0.54		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.08	J	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.56		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	0.37		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	0.43		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.43		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.43		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.4		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.32		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	9/30/2024 12:00:00 AM
Project:				Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	PB163804BS			SDG No.:	BN100924
Lab Sample ID:	PB163804BS			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
BN034501.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.534		20-139		133	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.435		30-150		109	SPK: -0.4
367-12-4	2-Fluorophenol	0.392		10-100		98	SPK: -0.4
13127-88-3	Phenol-d6	0.371		10-100		93	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.409		27-123		102	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.357		34-132		89	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.412		10-131		103	SPK: -0.4
1718-51-0	Terphenyl-d14	0.612		35-157		153	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4290	7.372				
1146-65-2	Naphthalene-d8	11826	10.126				
15067-26-2	Acenaphthene-d10	6445	14.019				
1517-22-2	Phenanthrene-d10	11789	16.783				
1719-03-5	Chrysene-d12	7099	21.008				
1520-96-3	Perylene-d12	9561	23.118				

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Report of Analysis

Client:				Date Collected:	9/26/2024 12:00:00 AM
Project:				Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	RE117D2-20240926			SDG No.:	BN100924
Lab Sample ID:	P4226-22			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
BN034502.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

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

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Report of Analysis

Client:				Date Collected:	9/26/2024 12:00:00 AM
Project:				Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	RE117D2-20240926			SDG No.:	BN100924
Lab Sample ID:	P4226-22			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
BN034502.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.364		20-139		91	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.419		30-150		105	SPK: -0.4
367-12-4	2-Fluorophenol	0.232		10-100		58	SPK: -0.4
13127-88-3	Phenol-d6	0.13		10-100		32	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.356		27-123		89	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.306		34-132		76	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.35		10-131		88	SPK: -0.4
1718-51-0	Terphenyl-d14	0.591		35-157		148	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4292	7.373				
1146-65-2	Naphthalene-d8	11825	10.127				
15067-26-2	Acenaphthene-d10	6701	14.019				
1517-22-2	Phenanthrene-d10	12048	16.783				
1719-03-5	Chrysene-d12	7504	21.008				
1520-96-3	Perylene-d12	8616	23.119				

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Report of Analysis

Client:				Date Collected:	9/27/2024 12:00:00 AM
Project:				Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	TT163S1-20240927			SDG No.:	BN100924
Lab Sample ID:	P4226-26			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
BN034503.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

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	0.4		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	9/27/2024 12:00:00 AM
Project:				Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	TT163S1-20240927			SDG No.:	BN100924
Lab Sample ID:	P4226-26			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
BN034503.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.393		20-139		98	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.427		30-150		107	SPK: -0.4
367-12-4	2-Fluorophenol	0.228		10-100		57	SPK: -0.4
13127-88-3	Phenol-d6	0.123		10-100		31	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.365		27-123		91	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.339		34-132		85	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.278		10-131		69	SPK: -0.4
1718-51-0	Terphenyl-d14	0.56		35-157		140	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4005	7.373				
1146-65-2	Naphthalene-d8	11093	10.127				
15067-26-2	Acenaphthene-d10	5955	14.019				
1517-22-2	Phenanthrene-d10	10581	16.783				
1719-03-5	Chrysene-d12	7024	21.008				
1520-96-3	Perylene-d12	9244	23.122				

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Report of Analysis

Client:				Date Collected:	9/27/2024 12:00:00 AM
Project:				Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	BPOW6-9-20240927			SDG No.:	BN100924
Lab Sample ID:	P4226-27			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
BN034504.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

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

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Report of Analysis

Client:				Date Collected:	9/27/2024 12:00:00 AM
Project:				Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	BPOW6-9-20240927			SDG No.:	BN100924
Lab Sample ID:	P4226-27			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
BN034504.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.383		20-139		96	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.448		30-150		112	SPK: -0.4
367-12-4	2-Fluorophenol	0.214		10-100		53	SPK: -0.4
13127-88-3	Phenol-d6	0.109		10-100		27	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.348		27-123		87	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.344		34-132		86	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.325		10-131		81	SPK: -0.4
1718-51-0	Terphenyl-d14	0.518		35-157		129	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3849	7.373				
1146-65-2	Naphthalene-d8	10456	10.127				
15067-26-2	Acenaphthene-d10	5658	14.026				
1517-22-2	Phenanthrene-d10	10015	16.791				
1719-03-5	Chrysene-d12	7343	21.006				
1520-96-3	Perylene-d12	8764	23.12				

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Report of Analysis

Client:				Date Collected:	9/27/2024 12:00:00 AM
Project:				Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	BPOW6-10-20240927			SDG No.:	BN100924
Lab Sample ID:	P4226-28			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
BN034505.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

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	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	0.07	U	0.07	0.21	0.21	ug/L

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Report of Analysis

Client:				Date Collected:	9/27/2024 12:00:00 AM
Project:				Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	BPOW6-10-20240927			SDG No.:	BN100924
Lab Sample ID:	P4226-28			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
BN034505.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.349		20-139		87	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.441		30-150		110	SPK: -0.4
367-12-4	2-Fluorophenol	0.146		10-100		36	SPK: -0.4
13127-88-3	Phenol-d6	0.063		10-100		16	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.328		27-123		82	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.316		34-132		79	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.302		10-131		75	SPK: -0.4
1718-51-0	Terphenyl-d14	0.593		35-157		148	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3808	7.373				
1146-65-2	Naphthalene-d8	10353	10.127				
15067-26-2	Acenaphthene-d10	5606	14.03				
1517-22-2	Phenanthrene-d10	9832	16.783				
1719-03-5	Chrysene-d12	6340	21.008				
1520-96-3	Perylene-d12	8426	23.116				

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Report of Analysis

Client:				Date Collected:	9/24/2024 12:00:00 AM
Project:				Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	TT101D-20240924			SDG No.:	BN100924
Lab Sample ID:	P4231-01			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
BN034506.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

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
Total PAH	Total PAH	0.46	U	0.46	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	0.14	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	0.09	U	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	5.3	E	0.07	0.21	0.21	ug/L

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Report of Analysis

Client:				Date Collected:	9/24/2024 12:00:00 AM
Project:				Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	TT101D-20240924			SDG No.:	BN100924
Lab Sample ID:	P4231-01			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
BN034506.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.291		20-139		73	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.367		30-150		92	SPK: -0.4
367-12-4	2-Fluorophenol	0.113		10-100		28	SPK: -0.4
13127-88-3	Phenol-d6	0.053		10-100		13	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.27		27-123		68	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.31		34-132		77	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.28		10-131		70	SPK: -0.4
1718-51-0	Terphenyl-d14	0.539		35-157		135	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3981	7.373				
1146-65-2	Naphthalene-d8	11066	10.127				
15067-26-2	Acenaphthene-d10	6014	14.026				
1517-22-2	Phenanthrene-d10	11160	16.79				
1719-03-5	Chrysene-d12	7384	21.006				
1520-96-3	Perylene-d12	8907	23.116				

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Report of Analysis

Client:				Date Collected:	9/24/2024 12:00:00 AM
Project:				Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	TT101D1-20240924			SDG No.:	BN100924
Lab Sample ID:	P4231-02			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
BN034507.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

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	0.04	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	0.45	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	5.2	E	0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	9/24/2024 12:00:00 AM
Project:				Date Received:	9/24/2024 12:00:00 AM
Client Sample ID:	TT101D1-20240924			SDG No.:	BN100924
Lab Sample ID:	P4231-02			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
BN034507.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.343		20-139		86	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.429		30-150		107	SPK: -0.4
367-12-4	2-Fluorophenol	0.131		10-100		33	SPK: -0.4
13127-88-3	Phenol-d6	0.054		10-100		14	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.307		27-123		77	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.353		34-132		88	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.306		10-131		76	SPK: -0.4
1718-51-0	Terphenyl-d14	0.524		35-157		131	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3684	7.373				
1146-65-2	Naphthalene-d8	9812	10.127				
15067-26-2	Acenaphthene-d10	5395	14.026				
1517-22-2	Phenanthrene-d10	9662	16.791				
1719-03-5	Chrysene-d12	6829	21.006				
1520-96-3	Perylene-d12	7921	23.117				

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Report of Analysis

Client:				Date Collected:	9/26/2024 12:00:00 AM
Project:				Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	RW10-MW01D-20240926			SDG No.:	BN100924
Lab Sample ID:	P4231-03			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
BN034508.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

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	0.09	U	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	0.07	U	0.07	0.21	0.21	ug/L

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Report of Analysis

Client:				Date Collected:	9/26/2024 12:00:00 AM
Project:				Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	RW10-MW01D-20240926			SDG No.:	BN100924
Lab Sample ID:	P4231-03			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
BN034508.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.337		20-139		84	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.38		30-150		95	SPK: -0.4
367-12-4	2-Fluorophenol	0.143		10-100		36	SPK: -0.4
13127-88-3	Phenol-d6	0.061		10-100		15	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.302		27-123		75	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.357		34-132		89	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.304		10-131		76	SPK: -0.4
1718-51-0	Terphenyl-d14	0.556		35-157		139	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3869	7.373				
1146-65-2	Naphthalene-d8	10546	10.127				
15067-26-2	Acenaphthene-d10	5751	14.03				
1517-22-2	Phenanthrene-d10	10519	16.784				
1719-03-5	Chrysene-d12	6467	21.008				
1520-96-3	Perylene-d12	8113	23.119				

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Report of Analysis

Client:				Date Collected:	9/26/2024 12:00:00 AM
Project:				Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	RW10A-MW01I-20240926			SDG No.:	BN100924
Lab Sample ID:	P4231-04			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
BN034509.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

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

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Report of Analysis

Client:				Date Collected:	9/26/2024 12:00:00 AM
Project:				Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	RW10A-MW01I-20240926			SDG No.:	BN100924
Lab Sample ID:	P4231-04			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
BN034509.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

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	0.437		30-150		109	SPK: -0.4
367-12-4	2-Fluorophenol	0.15		10-100		38	SPK: -0.4
13127-88-3	Phenol-d6	0.067		10-100		17	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.31		27-123		77	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.378		34-132		94	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.319		10-131		80	SPK: -0.4
1718-51-0	Terphenyl-d14	0.565		35-157		141	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2807	7.373				
1146-65-2	Naphthalene-d8	7719	10.127				
15067-26-2	Acenaphthene-d10	4369	14.03				
1517-22-2	Phenanthrene-d10	8282	16.784				
1719-03-5	Chrysene-d12	5935	21.008				
1520-96-3	Perylene-d12	7217	23.119				

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Report of Analysis

Client:				Date Collected:	9/26/2024 12:00:00 AM
Project:				Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	EB03-20240926			SDG No.:	BN100924
Lab Sample ID:	P4231-05			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
BN034510.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

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	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	0.03	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

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Report of Analysis

Client:				Date Collected:	9/26/2024 12:00:00 AM
Project:				Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	EB03-20240926			SDG No.:	BN100924
Lab Sample ID:	P4231-05			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
BN034510.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.358		20-139		90	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.421		30-150		105	SPK: -0.4
367-12-4	2-Fluorophenol	0.137		10-100		34	SPK: -0.4
13127-88-3	Phenol-d6	0.057		10-100		14	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.325		27-123		81	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.316		34-132		79	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.274		10-131		68	SPK: -0.4
1718-51-0	Terphenyl-d14	0.525		35-157		131	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3554	7.373				
1146-65-2	Naphthalene-d8	9975	10.127				
15067-26-2	Acenaphthene-d10	5641	14.026				
1517-22-2	Phenanthrene-d10	10259	16.791				
1719-03-5	Chrysene-d12	7434	21.015				
1520-96-3	Perylene-d12	7845	23.12				

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Report of Analysis

Client:				Date Collected:	9/26/2024 12:00:00 AM
Project:				Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	RW10A-MW01S-20240926			SDG No.:	BN100924
Lab Sample ID:	P4231-06			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
BN034511.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

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	0.17	J	0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	9/26/2024 12:00:00 AM
Project:				Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	RW10A-MW01S-20240926			SDG No.:	BN100924
Lab Sample ID:	P4231-06			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
BN034511.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.307		20-139		77	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.407		30-150		102	SPK: -0.4
367-12-4	2-Fluorophenol	0.115		10-100		29	SPK: -0.4
13127-88-3	Phenol-d6	0.043		10-100		11	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.258		27-123		64	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.281		34-132		70	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.267		10-131		67	SPK: -0.4
1718-51-0	Terphenyl-d14	0.521		35-157		130	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3583	7.373				
1146-65-2	Naphthalene-d8	9742	10.127				
15067-26-2	Acenaphthene-d10	5474	14.026				
1517-22-2	Phenanthrene-d10	10229	16.79				
1719-03-5	Chrysene-d12	6965	21.006				
1520-96-3	Perylene-d12	7621	23.116				

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Report of Analysis

Client:				Date Collected:	9/27/2024 12:00:00 AM
Project:				Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	RW4-20240927			SDG No.:	BN100924
Lab Sample ID:	P4226-23			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
BN034512.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

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	4.3		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	9/27/2024 12:00:00 AM
Project:				Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	RW4-20240927			SDG No.:	BN100924
Lab Sample ID:	P4226-23			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
BN034512.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

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	0.396		30-150		99	SPK: -0.4
367-12-4	2-Fluorophenol	0.203		10-100		51	SPK: -0.4
13127-88-3	Phenol-d6	0.078		10-100		20	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.276		27-123		69	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.293		34-132		73	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.171		10-131		43	SPK: -0.4
1718-51-0	Terphenyl-d14	0.523		35-157		131	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3157	7.373				
1146-65-2	Naphthalene-d8	8535	10.137				
15067-26-2	Acenaphthene-d10	4820	14.03				
1517-22-2	Phenanthrene-d10	8963	16.783				
1719-03-5	Chrysene-d12	6003	21.008				
1520-96-3	Perylene-d12	6671	23.121				

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Report of Analysis

Client:				Date Collected:	9/27/2024 12:00:00 AM
Project:				Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	RW4-20240927MS			SDG No.:	BN100924
Lab Sample ID:	P4226-24MS			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
BN034513.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.12	J	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.32		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	0.4		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	0.33		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	5.64		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.31		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.17	J	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.36		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.45		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.36		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.77		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	0.37		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	0.11		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.44		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	0.35		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	0.37		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.37		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.36		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.36		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	4.1		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	9/27/2024 12:00:00 AM
Project:				Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	RW4-20240927MS			SDG No.:	BN100924
Lab Sample ID:	P4226-24MS			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
BN034513.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.386		20-139		97	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.399		30-150		100	SPK: -0.4
367-12-4	2-Fluorophenol	0.127		10-100		32	SPK: -0.4
13127-88-3	Phenol-d6	0.063		10-100		16	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.312		27-123		78	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.309		34-132		77	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.281		10-131		70	SPK: -0.4
1718-51-0	Terphenyl-d14	0.535		35-157		134	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3648	7.373				
1146-65-2	Naphthalene-d8	9875	10.127				
15067-26-2	Acenaphthene-d10	5242	14.026				
1517-22-2	Phenanthrene-d10	9427	16.778				
1719-03-5	Chrysene-d12	6183	21.006				
1520-96-3	Perylene-d12	7175	23.119				

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Report of Analysis

Client:				Date Collected:	9/27/2024 12:00:00 AM
Project:				Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	RW4-20240927MSD			SDG No.:	BN100924
Lab Sample ID:	P4226-25MSD			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
BN034514.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.12	J	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.32		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	0.43		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.36		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		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.32		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.18	J	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.43		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.49		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.38		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.37		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.39		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.4		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	0.5		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.12		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.49		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	0.36		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	0.41		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	0.38		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.38		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	4.2		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	9/27/2024 12:00:00 AM
Project:				Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	RW4-20240927MSD			SDG No.:	BN100924
Lab Sample ID:	P4226-25MSD			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
BN034514.D	1	9/30/2024 12:00:00 AM	10/9/2024 12:00:00 AM	PB163804

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.43		20-139		108	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.414		30-150		103	SPK: -0.4
367-12-4	2-Fluorophenol	0.127		10-100		32	SPK: -0.4
13127-88-3	Phenol-d6	0.056		10-100		14	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.336		27-123		84	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.326		34-132		81	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.271		10-131		68	SPK: -0.4
1718-51-0	Terphenyl-d14	0.56		35-157		140	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3625	7.373				
1146-65-2	Naphthalene-d8	9728	10.127				
15067-26-2	Acenaphthene-d10	5149	14.019				
1517-22-2	Phenanthrene-d10	8907	16.783				
1719-03-5	Chrysene-d12	5804	21.008				
1520-96-3	Perylene-d12	7437	23.119				

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Hit Summary Sheet
SW-846

SDG No.: BN100924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : RW4-20240927								
P4226-23	RW4-20240927	Water	1,4-Dioxane	4.300		0.07	0.2	ug/L
			Total Svoc :			**4.30**		
			Total Concentration:			**4.30**		
Client ID : TT163S1-20240927								
P4226-26	TT163S1-20240927	Water	1,4-Dioxane	0.400		0.07	0.2	ug/L
			Total Svoc :			**0.40**		
			Total Concentration:			**0.40**		
Client ID : TT101D-20240924								
P4231-01	TT101D-20240924	Water	1,4-Dioxane	5.300	E	0.07	0.21	ug/L
			Total Svoc :			**5.30**		
			Total Concentration:			**5.30**		
Client ID : TT101D1-20240924								
P4231-02	TT101D1-20240924	Water	1,4-Dioxane	5.200	E	0.07	0.2	ug/L
P4231-02	TT101D1-20240924	Water	bis(2-Chloroethyl)ether	0.040	J	0.03	0.1	ug/L
			Total Svoc :			**5.24**		
			Total Concentration:			**5.24**		
Client ID : EB03-20240926								
P4231-05	EB03-20240926	Water	Naphthalene	0.020	J	0.02	0.1	ug/L
			Total Svoc :			**0.02**		
			Total Concentration:			**0.02**		
Client ID : RW10A-MW01S-20240926								
P4231-06	RW10A-MW01S-202409	Water	1,4-Dioxane	0.170	J	0.07	0.2	ug/L
			Total Svoc :			**0.17**		
			Total Concentration:			**0.17**		

CHEMTECH

6C

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN100924 SAS No.: BN100924 SDG NO.: BN100924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Oct 9 2024 12:00AM

Lab File ID: BN034035.D Time Analyzed: 12:36

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	PB163804BL	4625	7.37	12752	10.13	7010	14.02
02	PB163804BS	4290	7.37	11826	10.13	6445	14.02
03	RE117D2-20240926	4292	7.37	11825	10.13	6701	14.02
04	TT163S1-20240927	4005	7.37	11093	10.13	5955	14.02
05	BPOW6-9-20240927	3849	7.37	10456	10.13	5658	14.03
06	BPOW6-10-20240927	3808	7.37	10353	10.13	5606	14.03
07	TT101D-20240924	3981	7.37	11066	10.13	6014	14.03
08	TT101D1-20240924	3684	7.37	9812	10.13	5395 *	14.03
09	RW10-MW01D-20240926	3869	7.37	10546	10.13	5751	14.03
10	RW10A-MW01I-20240926	2807 *	7.37	7719 *	10.13	4369 *	14.03
11	EB03-20240926	3554	7.37	9975	10.13	5641	14.03
12	RW10A-MW01S-20240926	3583	7.37	9742	10.13	5474 *	14.03
13	RW4-20240927	3157 *	7.37	8535 *	10.14	4820 *	14.03
14	RW4-20240927MS	3648	7.37	9875	10.13	5242 *	14.03
15	RW4-20240927MSD	3625	7.37	9728	10.13	5149 *	14.02

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN100924 SAS No.: BN100924 SDG NO.: BN100924

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Oct 9 2024 12:00AM

Lab File ID: BN034499.D Time Analyzed: 12:36

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	5118	7.373	14288	10.13	9902		14.02
	UPPER LIMIT	10236	7.873	28576	10.627	19804		14.519
	LOWER LIMIT	2559	6.873	7144	9.627	4951		13.519
	EPA SAMPLE NO.							
01	PB163804BL	4625	7.37	12752	10.13	7010		14.02
02	PB163804BS	4290	7.37	11826	10.13	6445		14.02
03	RE117D2-20240926	4292	7.37	11825	10.13	6701		14.02
04	TT163S1-20240927	4005	7.37	11093	10.13	5955		14.02
05	BPOW6-9-20240927	3849	7.37	10456	10.13	5658		14.03
06	BPOW6-10-20240927	3808	7.37	10353	10.13	5606		14.03
07	TT101D-20240924	3981	7.37	11066	10.13	6014		14.03
08	TT101D1-20240924	3684	7.37	9812	10.13	5395		14.03
09	RW10-MW01D-20240926	3869	7.37	10546	10.13	5751		14.03
10	RW10A-MW01I-20240926	2807	7.37	7719	10.13	4369	*	14.03
11	EB03-20240926	3554	7.37	9975	10.13	5641		14.03
12	RW10A-MW01S-20240926	3583	7.37	9742	10.13	5474		14.03
13	RW4-20240927	3157	7.37	8535	10.14	4820	*	14.03
14	RW4-20240927MS	3648	7.37	9875	10.13	5242		14.03
15	RW4-20240927MSD	3625	7.37	9728	10.13	5149		14.02

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN100924 SAS No.: BN100924 SDG NO.: BN100924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Oct 9 2024 12:00AM

Lab File ID: BN034035.D Time Analyzed: 12:36

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	PB163804BL	12724		16.78	7152	*	21.01	11105		23.12
02	PB163804BS	11789	*	16.78	7099	*	21.01	9561	*	23.12
03	RE117D2-20240926	12048	*	16.78	7504	*	21.01	8616	*	23.12
04	TT163S1-20240927	10581	*	16.78	7024	*	21.01	9244	*	23.12
05	BPOW6-9-20240927	10015	*	16.79	7343	*	21.01	8764	*	23.12
06	BPOW6-10-20240927	9832	*	16.78	6340	*	21.01	8426	*	23.12
07	TT101D-20240924	11160	*	16.79	7384	*	21.01	8907	*	23.12
08	TT101D1-20240924	9662	*	16.79	6829	*	21.01	7921	*	23.12
09	RW10-MW01D-20240926	10519	*	16.78	6467	*	21.01	8113	*	23.12
10	RW10A-MW01I-20240926	8282	*	16.78	5935	*	21.01	7217	*	23.12
11	EB03-20240926	10259	*	16.79	7434	*	21.02	7845	*	23.12
12	RW10A-MW01S-20240926	10229	*	16.79	6965	*	21.01	7621	*	23.12
13	RW4-20240927	8963	*	16.78	6003	*	21.01	6671	*	23.12
14	RW4-20240927MS	9427	*	16.78	6183	*	21.01	7175	*	23.12
15	RW4-20240927MSD	8907	*	16.78	5804	*	21.01	7437	*	23.12

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN100924 SAS No.: BN100924 SDG NO.: BN100924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Oct 9 2024 12:00AM

Lab File ID: BN034035.D Time Analyzed: 21:02

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN100924 SAS No.: BN100924 SDG NO.: BN100924

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Oct 9 2024 12:00AM

Lab File ID: BN034499.D Time Analyzed: 12:36

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	17707		16.783	8851		21.008	19074		23.113
	UPPER LIMIT	35414		17.283	17702		21.508	38148		23.613
	LOWER LIMIT	8853.5		16.283	4425.5		20.508	9537		22.613
	EPA SAMPLE NO.									
01	PB163804BL	12724		16.78	7152		21.01	11105		23.12
02	PB163804BS	11789		16.78	7099		21.01	9561		23.12
03	RE117D2-20240926	12048		16.78	7504		21.01	8616	*	23.12
04	TT163S1-20240927	10581		16.78	7024		21.01	9244	*	23.12
05	BPOW6-9-20240927	10015		16.79	7343		21.01	8764	*	23.12
06	BPOW6-10-20240927	9832		16.78	6340		21.01	8426	*	23.12
07	TT101D-20240924	11160		16.79	7384		21.01	8907	*	23.12
08	TT101D1-20240924	9662		16.79	6829		21.01	7921	*	23.12
09	RW10-MW01D-20240926	10519		16.78	6467		21.01	8113	*	23.12
10	RW10A-MW01I-20240926	8282	*	16.78	5935		21.01	7217	*	23.12
11	EB03-20240926	10259		16.79	7434		21.02	7845	*	23.12
12	RW10A-MW01S-20240926	10229		16.79	6965		21.01	7621	*	23.12
13	RW4-20240927	8963		16.78	6003		21.01	6671	*	23.12
14	RW4-20240927MS	9427		16.78	6183		21.01	7175	*	23.12
15	RW4-20240927MSD	8907		16.78	5804		21.01	7437	*	23.12

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN100924 SAS No.: BN100924 SDG NO.: BN100924

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Oct 9 2024 12:00AM

Lab File ID: BN034499.D Time Analyzed: 21:02

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	17707	16.783	8851	21.008	19074	23.113
UPPER LIMIT	35414	17.283	17702	21.508	38148	23.613
LOWER LIMIT	8853.5	16.283	4425.5	20.508	9537	22.613
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.

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN100924

Client:

Analytical Method: 8270-Modified **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB163804BS	n-Nitrosodimethylamine	0.4	0.33	ug/L	83				33	130	
	bis(2-Chloroethyl)ether	0.4	0.37	ug/L	93				55	118	
	Naphthalene	0.4	0.4	ug/L	100				67	120	
	Hexachlorobutadiene	0.4	0.44	ug/L	110				33	114	
	2-Methylnaphthalene	0.4	0.39	ug/L	98				50	122	
	Acenaphthylene	0.4	0.4	ug/L	100				60	119	
	Acenaphthene	0.4	0.38	ug/L	95				65	119	
	Total PAH	6.4	6.41	ug/L	100				65	119	
	Fluorene	0.4	0.35	ug/L	88				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.17	ug/L	43				20	150	
	4-Bromophenyl-phenylether	0.4	0.43	ug/L	108				20	150	
	Hexachlorobenzene	0.4	0.48	ug/L	120				62	127	
	Atrazine	0.4	0.46	ug/L	115				20	150	
	Pentachlorophenol	0.8	0.91	ug/L	114				10	137	
	Phenanthrene	0.4	0.41	ug/L	103				65	117	
	Anthracene	0.4	0.46	ug/L	115				57	118	
	Fluoranthene	0.4	0.39	ug/L	98				53	126	
	Pyrene	0.4	0.54	ug/L	135		*		54	124	
	Benzo(a)anthracene	0.4	0.08	ug/L	20		*		54	130	
	Chrysene	0.4	0.56	ug/L	140		*		64	126	
	bis(2-Ethylhexyl)phthalate	0.4		ug/L	0		*		40	137	
	Benzo(b)fluoranthene	0.4	0.37	ug/L	93				65	121	
	Benzo(k)fluoranthene	0.4	0.38	ug/L	95				72	119	
	Benzo(a)pyrene	0.4	0.43	ug/L	108				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.43	ug/L	108				70	127	
	Dibenz(a,h)anthracene	0.4	0.43	ug/L	108				65	121	
	Benzo(g,h,i)perylene	0.4	0.4	ug/L	100				76	117	
	1,4-Dioxane	0.4	0.32	ug/L	80				42	127	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163804BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN100924 SAS No.: BN100924 SDG NO.: BN100924

Lab File ID: BN034500.D Lab Sample ID: PB163804BL

Instrument ID: BNA_N Date Extracted: 09/30/2024

Matrix: (soil/water) Water Date Analyzed: 10/09/2024

Level: (low/med) LOW Time Analyzed: 12:36

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB163804BS	PB163804BS	BN034501.D	10/09/2024
RE117D2-20240926	P4226-22	BN034502.D	10/09/2024
TT163S1-20240927	P4226-26	BN034503.D	10/09/2024
BPOW6-9-20240927	P4226-27	BN034504.D	10/09/2024
BPOW6-10-20240927	P4226-28	BN034505.D	10/09/2024
TT101D-20240924	P4231-01	BN034506.D	10/09/2024
TT101D1-20240924	P4231-02	BN034507.D	10/09/2024
RW10-MW01D-20240926	P4231-03	BN034508.D	10/09/2024
RW10A-MW01I-20240926	P4231-04	BN034509.D	10/09/2024
EB03-20240926	P4231-05	BN034510.D	10/09/2024
RW10A-MW01S-20240926	P4231-06	BN034511.D	10/09/2024
RW4-20240927	P4226-23	BN034512.D	10/09/2024
RW4-20240927MS	P4226-24MS	BN034513.D	10/09/2024
RW4-20240927MSD	P4226-25MSD	BN034514.D	10/09/2024

COMMENTS:

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BN100924

Client:

Analytical Method: 8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4226-24MS		**Client Sample ID: RW4-20240927MS**						**DataFile: BN034513.D**			
n-Nitrosodimethylamine	0.4		0.12	ug/L	30				10	158	
bis(2-Chloroethyl)ether	0.4		0.32	ug/L	80				27	159	
Naphthalene	0.4		0.34	ug/L	85				62	119	
Hexachlorobutadiene	0.4		0.4	ug/L	100				14	140	
2-Methylnaphthalene	0.4		0.33	ug/L	83				70	118	
Acenaphthylene	0.4		0.33	ug/L	83				53	123	
Acenaphthene	0.4		0.34	ug/L	85				57	122	
Total PAH	6.4		5.64	ug/L	88				57	122	
Fluorene	0.4		0.31	ug/L	78				58	123	
4,6-Dinitro-2-methylphenol	0.4		0.17	ug/L	43				20	150	
4-Bromophenyl-phenylether	0.4		0.36	ug/L	90				20	150	
Hexachlorobenzene	0.4		0.45	ug/L	113				31	160	
Atrazine	0.4		0.36	ug/L	90				20	150	
Pentachlorophenol	0.81		0.77	ug/L	95				10	179	
Phenanthrene	0.4		0.37	ug/L	93				64	129	
Anthracene	0.4		0.36	ug/L	90				67	127	
Fluoranthene	0.4		0.37	ug/L	93				55	140	
Pyrene	0.4		0.48	ug/L	120				59	137	
Benzo(a)anthracene	0.4		0.11	ug/L	28	*			51	146	
Chrysene	0.4		0.44	ug/L	110				61	126	
bis(2-Ethylhexyl)phthalate	0.4			ug/L	0	*			35	175	
Benzo(b)fluoranthene	0.4		0.35	ug/L	88				60	123	
Benzo(k)fluoranthene	0.4		0.38	ug/L	95				61	122	
Benzo(a)pyrene	0.4		0.37	ug/L	93				54	129	
Indeno(1,2,3-cd)pyrene	0.4		0.37	ug/L	93				50	134	
Dibenz(a,h)anthracene	0.4		0.36	ug/L	90				53	121	
Benzo(g,h,i)perylene	0.4		0.36	ug/L	90				44	132	
1,4-Dioxane	0.4	4.3	4.1	ug/L	-50	*			10	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BN100924

Client:

Analytical Method: 8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4226-25MSD		**Client Sample ID: RW4-20240927MSD**						**DataFile: BN034514.D**			
n-Nitrosodimethylamine	0.41		0.12	ug/L	29		3		10	158	20
bis(2-Chloroethyl)ether	0.41		0.32	ug/L	78		3		27	159	20
Naphthalene	0.41		0.37	ug/L	90		6		62	119	20
Hexachlorobutadiene	0.41		0.43	ug/L	105		5		14	140	20
2-Methylnaphthalene	0.41		0.36	ug/L	88		6		70	118	20
Acenaphthylene	0.41		0.36	ug/L	88		6		53	123	20
Acenaphthene	0.41		0.36	ug/L	88		3		57	122	20
Total PAH	6.56		6	ug/L	91		3		57	122	20
Fluorene	0.41		0.32	ug/L	78		0		58	123	20
4,6-Dinitro-2-methylphenol	0.41		0.18	ug/L	44		2		20	150	20
4-Bromophenyl-phenylether	0.41		0.43	ug/L	105		15		20	150	20
Hexachlorobenzene	0.41		0.49	ug/L	120		6		31	160	20
Atrazine	0.41		0.38	ug/L	93		3		20	150	20
Pentachlorophenol	0.82		0.37	ug/L	45		71	*	10	179	20
Phenanthrene	0.41		0.39	ug/L	95		2		64	129	20
Anthracene	0.41		0.4	ug/L	98		9		67	127	20
Fluoranthene	0.41		0.39	ug/L	95		2		55	140	20
Pyrene	0.41		0.5	ug/L	122		2		59	137	20
Benzo(a)anthracene	0.41		0.12	ug/L	29	*	4		51	146	20
Chrysene	0.41		0.49	ug/L	120		9		61	126	20
bis(2-Ethylhexyl)phthalate	0.41			ug/L	0	*			35	175	20
Benzo(b)fluoranthene	0.41		0.36	ug/L	88		0		60	123	20
Benzo(k)fluoranthene	0.41		0.38	ug/L	93		2		61	122	20
Benzo(a)pyrene	0.41		0.41	ug/L	100		7		54	129	20
Indeno(1,2,3-cd)pyrene	0.41		0.39	ug/L	95		2		50	134	20
Dibenz(a,h)anthracene	0.41		0.38	ug/L	93		3		53	121	20
Benzo(g,h,i)perylene	0.41		0.38	ug/L	93		3		44	132	20
1,4-Dioxane	0.41	4.3	4.2	ug/L	-24	*	70	*	10	175	20

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Surrogate Summary

SW-846

SDG No.: BN100924

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
P4226-22	RE117D2-2024092(	BN034502.D	2-Methylnaphthalene-d10	0.4	0.36	91		20	139
			Fluoranthene-d10	0.4	0.42	105		30	150
			2-Fluorophenol	0.4	0.23	58		10	100
			Phenol-d6	0.4	0.13	32		10	100
			Nitrobenzene-d5	0.4	0.36	89		27	123
			2-Fluorobiphenyl	0.4	0.31	76		34	132
			2,4,6-Tribromophenol	0.4	0.35	88		10	131
			Terphenyl-d14	0.4	0.59	148		35	157
P4226-23	RW4-20240927	BN034512.D	2-Methylnaphthalene-d10	0.4	0.33	81		20	139
			Fluoranthene-d10	0.4	0.40	99		30	150
			2-Fluorophenol	0.4	0.20	51		10	100
			Phenol-d6	0.4	0.08	20		10	100
			Nitrobenzene-d5	0.4	0.28	69		27	123
			2-Fluorobiphenyl	0.4	0.29	73		34	132
			2,4,6-Tribromophenol	0.4	0.17	43		10	131
			Terphenyl-d14	0.4	0.52	131		35	157
P4226-24MS	RW4-20240927MS	BN034513.D	2-Methylnaphthalene-d10	0.4	0.39	97		20	139
			Fluoranthene-d10	0.4	0.40	100		30	150
			2-Fluorophenol	0.4	0.13	32		10	100
			Phenol-d6	0.4	0.06	16		10	100
			Nitrobenzene-d5	0.4	0.31	78		27	123
			2-Fluorobiphenyl	0.4	0.31	77		34	132
			2,4,6-Tribromophenol	0.4	0.28	70		10	131
			Terphenyl-d14	0.4	0.54	134		35	157
P4226-25MSD	RW4-20240927MS	BN034514.D	2-Methylnaphthalene-d10	0.4	0.43	108		20	139
			Fluoranthene-d10	0.4	0.41	103		30	150
			2-Fluorophenol	0.4	0.13	32		10	100
			Phenol-d6	0.4	0.06	14		10	100
			Nitrobenzene-d5	0.4	0.34	84		27	123
			2-Fluorobiphenyl	0.4	0.33	81		34	132
			2,4,6-Tribromophenol	0.4	0.27	68		10	131
			Terphenyl-d14	0.4	0.56	140		35	157
P4226-26	TT163S1-20240927	BN034503.D	2-Methylnaphthalene-d10	0.4	0.39	98		20	139
			Fluoranthene-d10	0.4	0.43	107		30	150
			2-Fluorophenol	0.4	0.23	57		10	100
			Phenol-d6	0.4	0.12	31		10	100
			Nitrobenzene-d5	0.4	0.37	91		27	123
			2-Fluorobiphenyl	0.4	0.34	85		34	132
			2,4,6-Tribromophenol	0.4	0.28	69		10	131
			Terphenyl-d14	0.4	0.56	140		35	157
P4226-27	BPOW6-9-2024092	BN034504.D	2-Methylnaphthalene-d10	0.4	0.38	96		20	139
			Fluoranthene-d10	0.4	0.45	112		30	150
			2-Fluorophenol	0.4	0.21	53		10	100
			Phenol-d6	0.4	0.11	27		10	100
			Nitrobenzene-d5	0.4	0.35	87		27	123
			2-Fluorobiphenyl	0.4	0.34	86		34	132
			2,4,6-Tribromophenol	0.4	0.33	81		10	131
			Terphenyl-d14	0.4	0.52	129		35	157
P4226-28	BPOW6-10-202409	BN034505.D	2-Methylnaphthalene-d10	0.4	0.35	87		20	139

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Surrogate Summary

SW-846

SDG No.: BN100924

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4226-28	BPOW6-10-202409	BN034505.D	Fluoranthene-d10	0.4	0.44	110		30	150
			2-Fluorophenol	0.4	0.15	36		10	100
			Phenol-d6	0.4	0.06	16		10	100
			Nitrobenzene-d5	0.4	0.33	82		27	123
			2-Fluorobiphenyl	0.4	0.32	79		34	132
			2,4,6-Tribromophenol	0.4	0.30	75		10	131
			Terphenyl-d14	0.4	0.59	148		35	157
P4231-01	TT101D-20240924	BN034506.D	2-Methylnaphthalene-d10	0.4	0.29	73		20	139
			Fluoranthene-d10	0.4	0.37	92		30	150
			2-Fluorophenol	0.4	0.11	28		10	100
			Phenol-d6	0.4	0.05	13		10	100
			Nitrobenzene-d5	0.4	0.27	68		27	123
			2-Fluorobiphenyl	0.4	0.31	77		34	132
			2,4,6-Tribromophenol	0.4	0.28	70		10	131
			Terphenyl-d14	0.4	0.54	135		35	157
P4231-02	TT101D1-2024092	BN034507.D	2-Methylnaphthalene-d10	0.4	0.34	86		20	139
			Fluoranthene-d10	0.4	0.43	107		30	150
			2-Fluorophenol	0.4	0.13	33		10	100
			Phenol-d6	0.4	0.05	14		10	100
			Nitrobenzene-d5	0.4	0.31	77		27	123
			2-Fluorobiphenyl	0.4	0.35	88		34	132
			2,4,6-Tribromophenol	0.4	0.31	76		10	131
			Terphenyl-d14	0.4	0.52	131		35	157
P4231-03	RW10-MW01D-202	BN034508.D	2-Methylnaphthalene-d10	0.4	0.34	84		20	139
			Fluoranthene-d10	0.4	0.38	95		30	150
			2-Fluorophenol	0.4	0.14	36		10	100
			Phenol-d6	0.4	0.06	15		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	0.30	76		10	131
			Terphenyl-d14	0.4	0.56	139		35	157
P4231-04	RW10A-MW01I-20	BN034509.D	2-Methylnaphthalene-d10	0.4	0.35	87		20	139
			Fluoranthene-d10	0.4	0.44	109		30	150
			2-Fluorophenol	0.4	0.15	38		10	100
			Phenol-d6	0.4	0.07	17		10	100
			Nitrobenzene-d5	0.4	0.31	77		27	123
			2-Fluorobiphenyl	0.4	0.38	94		34	132
			2,4,6-Tribromophenol	0.4	0.32	80		10	131
			Terphenyl-d14	0.4	0.57	141		35	157
P4231-05	EB03-20240926	BN034510.D	2-Methylnaphthalene-d10	0.4	0.36	90		20	139
			Fluoranthene-d10	0.4	0.42	105		30	150
			2-Fluorophenol	0.4	0.14	34		10	100
			Phenol-d6	0.4	0.06	14		10	100
			Nitrobenzene-d5	0.4	0.33	81		27	123
			2-Fluorobiphenyl	0.4	0.32	79		34	132
			2,4,6-Tribromophenol	0.4	0.27	68		10	131
			Terphenyl-d14	0.4	0.53	131		35	157
P4231-06	RW10A-MW01S-2(	BN034511.D	2-Methylnaphthalene-d10	0.4	0.31	77		20	139
			Fluoranthene-d10	0.4	0.41	102		30	150

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Surrogate Summary

SW-846

SDG No.: BN100924

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
P4231-06	RW10A-MW01S-2(	BN034511.D	2-Fluorophenol	0.4	0.12	29		10	100
			Phenol-d6	0.4	0.04	11		10	100
			Nitrobenzene-d5	0.4	0.26	64		27	123
			2-Fluorobiphenyl	0.4	0.28	70		34	132
			2,4,6-Tribromophenol	0.4	0.27	67		10	131
			Terphenyl-d14	0.4	0.52	130		35	157
PB163804BL	PB163804BL	BN034500.D	2-Methylnaphthalene-d10	0.4	0.39	96		20	139
			Fluoranthene-d10	0.4	0.40	100		30	150
			2-Fluorophenol	0.4	0.37	93		10	100
			Phenol-d6	0.4	0.35	87		10	100
			Nitrobenzene-d5	0.4	0.38	95		27	123
			2-Fluorobiphenyl	0.4	0.32	81		34	132
			2,4,6-Tribromophenol	0.4	0.36	89		10	131
			Terphenyl-d14	0.4	0.61	152		35	157
PB163804BS	PB163804BS	BN034501.D	2-Methylnaphthalene-d10	0.4	0.53	133		20	139
			Fluoranthene-d10	0.4	0.44	109		30	150
			2-Fluorophenol	0.4	0.39	98		10	100
			Phenol-d6	0.4	0.37	93		10	100
			Nitrobenzene-d5	0.4	0.41	102		27	123
			2-Fluorobiphenyl	0.4	0.36	89		34	132
			2,4,6-Tribromophenol	0.4	0.41	103		10	131
			Terphenyl-d14	0.4	0.61	153		35	157

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN100924

Lab Code: CHEM SAS No.: BN100924 SDG NO.: BN100924

Lab File ID: BN034498.D DFTPP Injection Date: 10/09/2024

Instrument ID: BNA_N DFTPP Injection Time: 10:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.9
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	35.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.3
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	11.4
442	Greater than 50% of mass 198	79.4
443	15.0 - 24.0% of mass 442	15 (19) 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	BN034499.D	10/09/2024	12:00
PB163804BL	PB163804BL	BN034500.D	10/09/2024	12:36
PB163804BS	PB163804BS	BN034501.D	10/09/2024	13:12
RE117D2-20240926	P4226-22	BN034502.D	10/09/2024	13:48
TT163S1-20240927	P4226-26	BN034503.D	10/09/2024	14:24
BPOW6-9-20240927	P4226-27	BN034504.D	10/09/2024	15:00
BPOW6-10-20240927	P4226-28	BN034505.D	10/09/2024	15:36
TT101D-20240924	P4231-01	BN034506.D	10/09/2024	16:13
TT101D1-20240924	P4231-02	BN034507.D	10/09/2024	16:49
RW10-MW01D-20240926	P4231-03	BN034508.D	10/09/2024	17:25
RW10A-MW01I-20240926	P4231-04	BN034509.D	10/09/2024	18:01
EB03-20240926	P4231-05	BN034510.D	10/09/2024	18:37
RW10A-MW01S-20240926	P4231-06	BN034511.D	10/09/2024	19:14
RW4-20240927	P4226-23	BN034512.D	10/09/2024	19:50
RW4-20240927MS	P4226-24MS	BN034513.D	10/09/2024	20:26
RW4-20240927MSD	P4226-25MSD	BN034514.D	10/09/2024	21:02
SSTDCCC0.4EC	SSTDCCC0.4	BN034515.D	10/09/2024	21:38