284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN112124 SAS No.: BN112124 SDG No.: BN112124

Instrument ID: BNA_N Calibration Date/Time: 11/21/2024 1 13:22

Lab File ID: BN035219.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	0.713	0.604		-15.288	20.0
Fluoranthene-d10	1.225	0.956		-21.959	20.0
n-Nitrosodimethylamine	0.339	0.350		3.245	20.0
2-Fluorophenol	1.015	1.174		15.665	20.0
Phenol-d6	1.273	1.472		15.632	20.0
bis(2-Chloroethyl)ether	0.956	1.074		12.343	20.0
Nitrobenzene-d5	0.348	0.208		-40.23	20.0
Naphthalene	1.044	1.025		-1.82	20.0
Hexachlorobutadiene	0.306	0.248		-18.954	20.0
2-Methylnaphthalene	0.770	0.725		-5.844	20.0
2-Fluorobiphenyl	1.624	0.299		-81.589	20.0
Acenaphthylene	1.709	1.782		4.272	20.0
Acenaphthene	1.120	1.101		-1.696	20.0
Fluorene	1.648	1.537		-6.735	20.0
4,6-Dinitro-2-methylphenol	0.083	0.033		-60.241	20.0
2,4,6-Tribromophenol	0.289	0.331		14.533	20.0
4-Bromophenyl-phenylether	0.255	0.243		-4.706	20.0
Hexachlorobenzene	0.264	0.285		7.955	20.0
Atrazine	0.229	0.145		-36.681	20.0
Pentachlorophenol	0.124	0.170		37.097	20.0
Phenanthrene	1.053	1.066		1.235	20.0
Anthracene	0.967	1.026		6.101	20.0
Fluoranthene	1.448	1.250		-13.674	20.0
Pyrene	1.332	7.679		476.502	20.0
Terphenyl-d14	0.839	3.629		332.539	20.0
Benzo(a)anthracene	1.393	5.813		317.301	20.0
Chrysene	1.380	5.813		321.232	20.0
Bis(2-ethylhexyl)phthalate	0.731	0.553		-24.35	20.0
Benzo(b)fluoranthene	1.346	1.443		7.207	20.0
Benzo(k)fluoranthene	1.347	1.439		6.83	20.0
Benzo(a)pyrene	1.184	1.243		4.983	20.0
Indeno(1,2,3-cd)pyrene	1.596	1.532		-4.01	20.0
Dibenzo(a,h)anthracene	1.264	1.176		-6.962	20.0
Benzo(g,h,i)perylene	1.345	1.266		-5.874	20.0
1,4-Dioxane	0.363	0.403		11.019	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.: BN112124 SAS No.: BN112124 SDG No.: BN112124

Instrument ID: BNA_N Calibration Date/Time: 11/21/2024 1 23:01

Lab File ID: BN035235.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	0.713	0.581		-18.513	50.0
Fluoranthene-d10	1.225	0.987		-19.429	50.0
n-Nitrosodimethylamine	0.339	0.297		-12.389	50.0
2-Fluorophenol	1.015	1.087		7.094	50.0
Phenol-d6	1.273	1.273		0.0	50.0
bis(2-Chloroethyl)ether	0.956	0.962		0.628	50.0
Nitrobenzene-d5	0.348	0.189		-45.69	50.0
Naphthalene	1.044	1.023		-2.011	50.0
Hexachlorobutadiene	0.306	0.232		-24.183	50.0
2-Methylnaphthalene	0.770	0.677		-12.078	50.0
2-Fluorobiphenyl	1.624	0.255		-84.298	50.0
Acenaphthylene	1.709	1.674		-2.048	50.0
Acenaphthene	1.120	1.072		-4.286	50.0
Fluorene	1.648	1.426		-13.471	50.0
4,6-Dinitro-2-methylphenol	0.083	0.033		-60.241	50.0
2,4,6-Tribromophenol	0.289	0.242		-16.263	50.0
4-Bromophenyl-phenylether	0.255	0.238		-6.667	50.0
Hexachlorobenzene	0.264	0.275		4.167	50.0
Atrazine	0.229	0.129		-43.668	50.0
Pentachlorophenol	0.124	0.122		-1.613	50.0
Phenanthrene	1.053	1.062		0.855	50.0
Anthracene	0.967	0.973		0.62	50.0
Fluoranthene	1.448	1.276		-11.878	50.0
Pyrene	1.332	13.868		941.141	50.0
Terphenyl-d14	0.839	6.857		717.282	50.0
Benzo(a)anthracene	1.393	12.711		812.491	50.0
Chrysene	1.380	12.711		821.087	50.0
Bis(2-ethylhexyl)phthalate	0.731	1.126		54.036	50.0
Benzo(b)fluoranthene	1.346	1.315		-2.303	50.0
Benzo(k)fluoranthene	1.347	1.357		0.742	50.0
Benzo(a)pyrene	1.184	1.172		-1.014	50.0
Indeno(1,2,3-cd)pyrene	1.596	1.552		-2.757	50.0
Dibenzo(a,h)anthracene	1.264	1.179		-6.725	50.0
Benzo(g,h,i)perylene	1.345	1.286		-4.387	50.0
1,4-Dioxane	0.363	0.381		4.959	50.0

All other compounds must meet a minimum RRF of 0.010.

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Report of Analysis

Client:				Date Collected:	11/15/2024 12:00:00 AM
Project:				Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	PB165012BL			SDG No.:	BN112124
Lab Sample ID:	PB165012BL			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
BN035220.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

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:	11/15/2024 12:00:00 AM
Project:				Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	PB165012BL			SDG No.:	BN112124
Lab Sample ID:	PB165012BL			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
BN035220.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

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	0.333		30-150		83	SPK: -0.4
367-12-4	2-Fluorophenol	0.446	*	10-100		112	SPK: -0.4
13127-88-3	Phenol-d6	0.448	*	10-100		112	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.276		27-123		69	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.167		34-132		42	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.295		10-131		74	SPK: -0.4
1718-51-0	Terphenyl-d14	1.293	*	35-157		323	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3644	7.329				
1146-65-2	Naphthalene-d8	8156	10.073				
15067-26-2	Acenaphthene-d10	4996	13.983				
1517-22-2	Phenanthrene-d10	10325	16.753				
1719-03-5	Chrysene-d12	2547	21.006				
1520-96-3	Perylene-d12	7086	23.105				

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Report of Analysis

Client:				Date Collected:	11/14/2024 12:00:00 AM
Project:				Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW5-SP201-20241114			SDG No.:	BN112124
Lab Sample ID:	P4868-02			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
BN035221.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

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	0.15	J	0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	11/14/2024 12:00:00 AM
Project:				Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW5-SP201-20241114			SDG No.:	BN112124
Lab Sample ID:	P4868-02			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
BN035221.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.278		20-139		69	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.15		30-150		38	SPK: -0.4
367-12-4	2-Fluorophenol	0.16		10-100		40	SPK: -0.4
13127-88-3	Phenol-d6	0.131		10-100		33	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.252		27-123		63	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.353		34-132		88	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	1.001	*	10-131		250	SPK: -0.4
1718-51-0	Terphenyl-d14	14.946	*	35-157		3736	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2998	7.329				
1146-65-2	Naphthalene-d8	6728	10.073				
15067-26-2	Acenaphthene-d10	1733	13.983				
1517-22-2	Phenanthrene-d10	6277	16.753				
1719-03-5	Chrysene-d12	144	21.006				
1520-96-3	Perylene-d12	16	23.102				

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Report of Analysis

Client:		Date Collected:	11/14/2024 12:00:00 AM
Project:		Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW5-SP100-20241114	SDG No.:	BN112124
Lab Sample ID:	P4868-01	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
BN035222.D	5	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.15	U	0.15	1	1	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.14	U	0.14	0.5	0.5	ug/L
91-20-3	Naphthalene	0.12	U	0.12	0.5	0.5	ug/L
87-68-3	Hexachlorobutadiene	0.13	U	0.13	0.5	0.5	ug/L
91-57-6	2-Methylnaphthalene	0.15	U	0.15	0.5	0.5	ug/L
208-96-8	Acenaphthylene	0.11	U	0.11	0.5	0.5	ug/L
83-32-9	Acenaphthene	0.1	U	0.1	0.5	0.5	ug/L
Total PAH	Total PAH	2.3	U	2.3	0.5	8	ug/L
86-73-7	Fluorene	0.09	U	0.09	0.5	0.5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.7	U	0.7	1	1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.13	U	0.13	0.5	0.5	ug/L
118-74-1	Hexachlorobenzene	0.14	U	0.14	0.5	0.5	ug/L
1912-24-9	Atrazine	0.12	U	0.12	0.5	0.5	ug/L
87-86-5	Pentachlorophenol	0.45	U	0.45	1	1	ug/L
85-01-8	Phenanthrene	0.1	U	0.1	0.5	0.5	ug/L
120-12-7	Anthracene	0.12	U	0.12	0.5	0.5	ug/L
206-44-0	Fluoranthene	0.12	U	0.12	0.5	0.5	ug/L
129-00-0	Pyrene	0.11	U	0.11	0.5	0.5	ug/L
56-55-3	Benzo(a)anthracene	0.11	U	0.11	0.5	0.5	ug/L
218-01-9	Chrysene	0.13	U	0.13	0.5	0.5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.7	U	0.7	1	1	ug/L
205-99-2	Benzo(b)fluoranthene	0.16	U	0.16	0.5	0.5	ug/L
207-08-9	Benzo(k)fluoranthene	0.17	U	0.17	0.5	0.5	ug/L
50-32-8	Benzo(a)pyrene	0.28	U	0.28	0.5	0.5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.19	U	0.19	0.5	0.5	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.2	U	0.2	0.5	0.5	ug/L
191-24-2	Benzo(g,h,i)perylene	0.19	U	0.19	0.5	0.5	ug/L
123-91-1	1,4-Dioxane	9.7		0.34	1	1	ug/L

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Report of Analysis

Client:				Date Collected:	11/14/2024 12:00:00 AM
Project:				Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW5-SP100-20241114			SDG No.:	BN112124
Lab Sample ID:	P4868-01			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
BN035222.D	5	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.295		20-139		74	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.35		30-150		88	SPK: -0.4
367-12-4	2-Fluorophenol	0.16		10-100		40	SPK: -0.4
13127-88-3	Phenol-d6	0.085		10-100		21	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.185		27-123		46	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.275		34-132		69	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.395		10-131		99	SPK: -0.4
1718-51-0	Terphenyl-d14	1.765	*	35-157		441	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2554	7.329				
1146-65-2	Naphthalene-d8	5906	10.073				
15067-26-2	Acenaphthene-d10	4010	13.987				
1517-22-2	Phenanthrene-d10	8978	16.746				
1719-03-5	Chrysene-d12	1826	21.008				
1520-96-3	Perylene-d12	5244	23.104				

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Report of Analysis

Client:				Date Collected:	11/14/2024 12:00:00 AM
Project:				Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW7-SP200-20241114			SDG No.:	BN112124
Lab Sample ID:	P4866-01			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
BN035223.D	2	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.06	U	0.06	0.4	0.4	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.06	U	0.06	0.2	0.2	ug/L
91-20-3	Naphthalene	0.05	U	0.05	0.2	0.2	ug/L
87-68-3	Hexachlorobutadiene	0.05	U	0.05	0.2	0.2	ug/L
91-57-6	2-Methylnaphthalene	0.06	U	0.06	0.2	0.2	ug/L
208-96-8	Acenaphthylene	0.04	U	0.04	0.2	0.2	ug/L
83-32-9	Acenaphthene	0.04	U	0.04	0.2	0.2	ug/L
Total PAH	Total PAH	0.91	U	0.91	0.2	3.2	ug/L
86-73-7	Fluorene	0.04	U	0.04	0.2	0.2	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.4	0.4	ug/L
101-55-3	4-Bromophenyl-phenylether	0.05	U	0.05	0.2	0.2	ug/L
118-74-1	Hexachlorobenzene	0.06	U	0.06	0.2	0.2	ug/L
1912-24-9	Atrazine	0.05	U	0.05	0.2	0.2	ug/L
87-86-5	Pentachlorophenol	0.18	U	0.18	0.4	0.4	ug/L
85-01-8	Phenanthrene	0.04	U	0.04	0.2	0.2	ug/L
120-12-7	Anthracene	0.05	U	0.05	0.2	0.2	ug/L
206-44-0	Fluoranthene	0.05	U	0.05	0.2	0.2	ug/L
129-00-0	Pyrene	0.04	U	0.04	0.2	0.2	ug/L
56-55-3	Benzo(a)anthracene	0.04	U	0.04	0.2	0.2	ug/L
218-01-9	Chrysene	0.05	U	0.05	0.2	0.2	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.28	U	0.28	0.4	0.4	ug/L
205-99-2	Benzo(b)fluoranthene	0.06	U	0.06	0.2	0.2	ug/L
207-08-9	Benzo(k)fluoranthene	0.07	U	0.07	0.2	0.2	ug/L
50-32-8	Benzo(a)pyrene	0.11	U	0.11	0.2	0.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.08	U	0.08	0.2	0.2	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.08	U	0.08	0.2	0.2	ug/L
191-24-2	Benzo(g,h,i)perylene	0.07	U	0.07	0.2	0.2	ug/L
123-91-1	1,4-Dioxane	4.3		0.14	0.4	0.4	ug/L

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Report of Analysis

Client:				Date Collected:	11/14/2024 12:00:00 AM
Project:				Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW7-SP200-20241114			SDG No.:	BN112124
Lab Sample ID:	P4866-01			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
BN035223.D	2	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.26		20-139		65	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.186		30-150		47	SPK: -0.4
367-12-4	2-Fluorophenol	0.138		10-100		34	SPK: -0.4
13127-88-3	Phenol-d6	0.098		10-100		24	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.19		27-123		47	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.258		34-132		64	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.632	*	10-131		158	SPK: -0.4
1718-51-0	Terphenyl-d14	2.644	*	35-157		661	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3104	7.329				
1146-65-2	Naphthalene-d8	7479	10.073				
15067-26-2	Acenaphthene-d10	2812	13.983				
1517-22-2	Phenanthrene-d10	9268	16.753				
1719-03-5	Chrysene-d12	1000	21.006				
1520-96-3	Perylene-d12	155	23.102				

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Report of Analysis

Client:		Date Collected:	11/14/2024 12:00:00 AM
Project:		Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW5-SP303-20241114	SDG No.:	BN112124
Lab Sample ID:	P4868-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035224.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

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	0.1	J	0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	11/14/2024 12:00:00 AM
Project:				Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW5-SP303-20241114			SDG No.:	BN112124
Lab Sample ID:	P4868-03			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035224.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

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	0.227		30-150		57	SPK: -0.4
367-12-4	2-Fluorophenol	0.186		10-100		47	SPK: -0.4
13127-88-3	Phenol-d6	0.097		10-100		24	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.243		27-123		61	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.152		34-132		38	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.858	*	10-131		214	SPK: -0.4
1718-51-0	Terphenyl-d14	2.709	*	35-157		677	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2785	7.329				
1146-65-2	Naphthalene-d8	6599	10.073				
15067-26-2	Acenaphthene-d10	2228	13.987				
1517-22-2	Phenanthrene-d10	7426	16.746				
1719-03-5	Chrysene-d12	966	21.008				
1520-96-3	Perylene-d12	110	23.107				

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Report of Analysis

Client:		Date Collected:	11/14/2024 12:00:00 AM
Project:		Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW7-SP201-20241114	SDG No.:	BN112124
Lab Sample ID:	P4866-02	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
BN035225.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

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	0.53	U	0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.03	J	0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	J	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.04	J	0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.09	U	0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.03	J	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.02	J	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.02	J	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.12		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	0.08	J	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.08	J	0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.05	J	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	J	0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	J	0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	1.3		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	11/14/2024 12:00:00 AM
Project:				Date Received:	11/14/2024 12:00:00 AM
Client Sample ID:	RW7-SP201-20241114			SDG No.:	BN112124
Lab Sample ID:	P4866-02			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
BN035225.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.309		20-139		77	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.365		30-150		91	SPK: -0.4
367-12-4	2-Fluorophenol	0.151		10-100		38	SPK: -0.4
13127-88-3	Phenol-d6	0.089		10-100		22	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.215		27-123		54	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.095	*	34-132		24	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.35		10-131		88	SPK: -0.4
1718-51-0	Terphenyl-d14	2.292	*	35-157		573	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2730	7.329				
1146-65-2	Naphthalene-d8	6373	10.073				
15067-26-2	Acenaphthene-d10	3921	13.987				
1517-22-2	Phenanthrene-d10	8423	16.746				
1719-03-5	Chrysene-d12	1472	21.008				
1520-96-3	Perylene-d12	2672	23.104				

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Report of Analysis

Client:				Date Collected:	11/15/2024 12:00:00 AM
Project:				Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	PB165012BS			SDG No.:	BN112124
Lab Sample ID:	PB165012BS			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
BN035226.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.37		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.42		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	0.31		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	0.4		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	15.81		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.37		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.17	J	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.4		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.46		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	0.63		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	0.41		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.28		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	2		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	2.1		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	2.1		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.47		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	1.5		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.3		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.99		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.95		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.3		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.9		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.38		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	11/15/2024 12:00:00 AM
Project:				Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	PB165012BS			SDG No.:	BN112124
Lab Sample ID:	PB165012BS			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
BN035226.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.327		20-139		82	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.263		30-150		66	SPK: -0.4
367-12-4	2-Fluorophenol	0.388		10-100		97	SPK: -0.4
13127-88-3	Phenol-d6	0.369		10-100		92	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.223		27-123		56	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.086	*	34-132		22	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.31		10-131		77	SPK: -0.4
1718-51-0	Terphenyl-d14	2.223	*	35-157		556	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3340	7.329				
1146-65-2	Naphthalene-d8	7691	10.073				
15067-26-2	Acenaphthene-d10	4263	13.986				
1517-22-2	Phenanthrene-d10	8289	16.746				
1719-03-5	Chrysene-d12	1030	21.008				
1520-96-3	Perylene-d12	1173	23.101				

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Report of Analysis

Client:				Date Collected:	11/15/2024 12:00:00 AM
Project:				Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	PB165012BSD			SDG No.:	BN112124
Lab Sample ID:	PB165012BSD			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
BN035227.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

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	0.44		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.43		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.32		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.39		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.46		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.43		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	14.44		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.38		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.17	J	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.42		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.47		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	0.6		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.44		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	0.32		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	2.7		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	2.4		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	2.5		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.6		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.7		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.7		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.66		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.63		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.66		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.57		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.39		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	11/15/2024 12:00:00 AM
Project:				Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	PB165012BSD			SDG No.:	BN112124
Lab Sample ID:	PB165012BSD			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
BN035227.D	1	11/15/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165012

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	0.304		30-150		76	SPK: -0.4
367-12-4	2-Fluorophenol	0.411	*	10-100		103	SPK: -0.4
13127-88-3	Phenol-d6	0.398		10-100		100	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.238		27-123		60	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.075	*	34-132		19	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.308		10-131		77	SPK: -0.4
1718-51-0	Terphenyl-d14	2.267	*	35-157		567	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3072	7.329				
1146-65-2	Naphthalene-d8	6967	10.073				
15067-26-2	Acenaphthene-d10	4025	13.976				
1517-22-2	Phenanthrene-d10	7680	16.746				
1719-03-5	Chrysene-d12	1000	21.008				
1520-96-3	Perylene-d12	3421	23.098				

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Report of Analysis

Client:				Date Collected:	11/18/2024 12:00:00 AM
Project:				Date Received:	11/18/2024 12:00:00 AM
Client Sample ID:	BPOW6-7-20241118			SDG No.:	BN112124
Lab Sample ID:	P4934-03			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035228.D	1	11/21/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165150

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	0.05	J	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:	11/18/2024 12:00:00 AM
Project:				Date Received:	11/18/2024 12:00:00 AM
Client Sample ID:	BPOW6-7-20241118			SDG No.:	BN112124
Lab Sample ID:	P4934-03			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035228.D	1	11/21/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.294		20-139		74	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.385		30-150		96	SPK: -0.4
367-12-4	2-Fluorophenol	0.192		10-100		48	SPK: -0.4
13127-88-3	Phenol-d6	0.113		10-100		28	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.209		27-123		52	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.086	*	34-132		22	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.266		10-131		67	SPK: -0.4
1718-51-0	Terphenyl-d14	2.628	*	35-157		657	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2646	7.322				
1146-65-2	Naphthalene-d8	6014	10.073				
15067-26-2	Acenaphthene-d10	3783	13.987				
1517-22-2	Phenanthrene-d10	8215	16.746				
1719-03-5	Chrysene-d12	1596	21.008				
1520-96-3	Perylene-d12	7371	23.098				

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Report of Analysis

Client:				Date Collected:	11/18/2024 12:00:00 AM
Project:				Date Received:	11/18/2024 12:00:00 AM
Client Sample ID:	DUP-01-20241118			SDG No.:	BN112124
Lab Sample ID:	P4934-04			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
BN035229.D	1	11/21/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165150

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	0.08	J	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:	11/18/2024 12:00:00 AM
Project:				Date Received:	11/18/2024 12:00:00 AM
Client Sample ID:	DUP-01-20241118			SDG No.:	BN112124
Lab Sample ID:	P4934-04			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
BN035229.D	1	11/21/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.277		20-139		69	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.334		30-150		83	SPK: -0.4
367-12-4	2-Fluorophenol	0.182		10-100		45	SPK: -0.4
13127-88-3	Phenol-d6	0.108		10-100		27	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.182		27-123		45	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.061	*	34-132		15	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.234		10-131		58	SPK: -0.4
1718-51-0	Terphenyl-d14	2.808	*	35-157		702	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2749	7.322				
1146-65-2	Naphthalene-d8	6688	10.073				
15067-26-2	Acenaphthene-d10	4330	13.976				
1517-22-2	Phenanthrene-d10	8619	16.746				
1719-03-5	Chrysene-d12	1170	21.008				
1520-96-3	Perylene-d12	5974	23.095				

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Report of Analysis

Client:		Date Collected:	11/19/2024 12:00:00 AM
Project:		Date Received:	11/19/2024 12:00:00 AM
Client Sample ID:	BPOW6-9-20241118	SDG No.:	BN112124
Lab Sample ID:	P4934-08	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
BN035230.D	1	11/21/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165150

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:	11/19/2024 12:00:00 AM
Project:				Date Received:	11/19/2024 12:00:00 AM
Client Sample ID:	BPOW6-9-20241118			SDG No.:	BN112124
Lab Sample ID:	P4934-08			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
BN035230.D	1	11/21/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.286		20-139		72	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.332		30-150		83	SPK: -0.4
367-12-4	2-Fluorophenol	0.178		10-100		44	SPK: -0.4
13127-88-3	Phenol-d6	0.11		10-100		28	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.186		27-123		47	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.072	*	34-132		18	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.236		10-131		59	SPK: -0.4
1718-51-0	Terphenyl-d14	2.671	*	35-157		668	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2756	7.322				
1146-65-2	Naphthalene-d8	6458	10.073				
15067-26-2	Acenaphthene-d10	4128	13.976				
1517-22-2	Phenanthrene-d10	8432	16.746				
1719-03-5	Chrysene-d12	1400	21.008				
1520-96-3	Perylene-d12	6097	23.095				

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Report of Analysis

Client:				Date Collected:	11/19/2024 12:00:00 AM
Project:				Date Received:	11/19/2024 12:00:00 AM
Client Sample ID:	FB-01-20241119			SDG No.:	BN112124
Lab Sample ID:	P4934-09			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
BN035231.D	1	11/21/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165150

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:	11/19/2024 12:00:00 AM
Project:				Date Received:	11/19/2024 12:00:00 AM
Client Sample ID:	FB-01-20241119			SDG No.:	BN112124
Lab Sample ID:	P4934-09			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
BN035231.D	1	11/21/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165150

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	0.399		30-150		100	SPK: -0.4
367-12-4	2-Fluorophenol	0.212		10-100		53	SPK: -0.4
13127-88-3	Phenol-d6	0.126		10-100		31	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.213		27-123		53	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.07	*	34-132		17	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.292		10-131		73	SPK: -0.4
1718-51-0	Terphenyl-d14	4.712	*	35-157		1178	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2669	7.322				
1146-65-2	Naphthalene-d8	6148	10.073				
15067-26-2	Acenaphthene-d10	3898	13.976				
1517-22-2	Phenanthrene-d10	8027	16.746				
1719-03-5	Chrysene-d12	1052	21.008				
1520-96-3	Perylene-d12	5733	23.098				

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Report of Analysis

Client:				Date Collected:	11/19/2024 12:00:00 AM
Project:				Date Received:	11/19/2024 12:00:00 AM
Client Sample ID:	RB-01-20241119			SDG No.:	BN112124
Lab Sample ID:	P4934-11			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
BN035232.D	1	11/21/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165150

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:	11/19/2024 12:00:00 AM
Project:				Date Received:	11/19/2024 12:00:00 AM
Client Sample ID:	RB-01-20241119			SDG No.:	BN112124
Lab Sample ID:	P4934-11			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
BN035232.D	1	11/21/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.286		20-139		72	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.352		30-150		88	SPK: -0.4
367-12-4	2-Fluorophenol	0.118		10-100		29	SPK: -0.4
13127-88-3	Phenol-d6	0.064		10-100		16	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.197		27-123		49	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.063	*	34-132		16	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.242		10-131		60	SPK: -0.4
1718-51-0	Terphenyl-d14	4.192	*	35-157		1048	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2945	7.322				
1146-65-2	Naphthalene-d8	7124	10.073				
15067-26-2	Acenaphthene-d10	4659	13.976				
1517-22-2	Phenanthrene-d10	9464	16.746				
1719-03-5	Chrysene-d12	1183	21.008				
1520-96-3	Perylene-d12	6123	23.095				

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Report of Analysis

Client:				Date Collected:	11/19/2024 12:00:00 AM
Project:				Date Received:	11/19/2024 12:00:00 AM
Client Sample ID:	BPOW6-8-20241118			SDG No.:	BN112124
Lab Sample ID:	P4934-10			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
BN035233.D	1	11/21/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165150

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	0.06	J	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:	11/19/2024 12:00:00 AM
Project:				Date Received:	11/19/2024 12:00:00 AM
Client Sample ID:	BPOW6-8-20241118			SDG No.:	BN112124
Lab Sample ID:	P4934-10			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
BN035233.D	1	11/21/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.286		20-139		72	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.338		30-150		84	SPK: -0.4
367-12-4	2-Fluorophenol	0.12		10-100		30	SPK: -0.4
13127-88-3	Phenol-d6	0.069		10-100		17	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.191		27-123		48	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.083	*	34-132		21	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.232		10-131		58	SPK: -0.4
1718-51-0	Terphenyl-d14	3.677	*	35-157		919	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2753	7.322				
1146-65-2	Naphthalene-d8	6705	10.073				
15067-26-2	Acenaphthene-d10	4351	13.983				
1517-22-2	Phenanthrene-d10	9377	16.753				
1719-03-5	Chrysene-d12	1394	21.006				
1520-96-3	Perylene-d12	5766	23.096				

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Report of Analysis

Client:				Date Collected:	11/19/2024 12:00:00 AM
Project:				Date Received:	11/19/2024 12:00:00 AM
Client Sample ID:	DUP-02-20241119			SDG No.:	BN112124
Lab Sample ID:	P4934-12			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
BN035234.D	1	11/21/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165150

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	0.07	J	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:	11/19/2024 12:00:00 AM
Project:				Date Received:	11/19/2024 12:00:00 AM
Client Sample ID:	DUP-02-20241119			SDG No.:	BN112124
Lab Sample ID:	P4934-12			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
BN035234.D	1	11/21/2024 12:00:00 AM	11/21/2024 12:00:00 AM	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.27		20-139		68	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.358		30-150		90	SPK: -0.4
367-12-4	2-Fluorophenol	0.122		10-100		31	SPK: -0.4
13127-88-3	Phenol-d6	0.067		10-100		17	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.189		27-123		47	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.063	*	34-132		16	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.253		10-131		63	SPK: -0.4
1718-51-0	Terphenyl-d14	4.653	*	35-157		1163	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2771	7.322				
1146-65-2	Naphthalene-d8	6431	10.073				
15067-26-2	Acenaphthene-d10	3947	13.976				
1517-22-2	Phenanthrene-d10	8351	16.746				
1719-03-5	Chrysene-d12	946	21.008				
1520-96-3	Perylene-d12	7194	23.095				

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Hit Summary Sheet
SW-846

SDG No.: BN112124

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : RW7-SP200-20241114								
P4866-01	RW7-SP200-20241114	Water	1,4-Dioxane	4.300		0.14	0.4	ug/L
			Total Svoc :			**4.30**		
			Total Concentration:			**4.30**		
Client ID : RW7-SP201-20241114								
P4866-02	RW7-SP201-20241114	Water	1,4-Dioxane	1.300		0.07	0.2	ug/L
P4866-02	RW7-SP201-20241114	Water	4-Bromophenyl-phenylether	0.030	J	0.03	0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Anthracene	0.020	J	0.02	0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Benzo(b)fluoranthene	0.080	J	0.03	0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Benzo(g,h,i)perylene	0.050	J	0.04	0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Benzo(k)fluoranthene	0.080	J	0.03	0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Dibenzo(a,h)anthracene	0.050	J	0.04	0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Fluoranthene	0.020	J	0.02	0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Fluorene	0.030	J	0.02	0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Hexachlorobenzene	0.040	J	0.03	0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Indeno(1,2,3-cd)pyrene	0.050	J	0.04	0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Phenanthrene	0.030	J	0.02	0.1	ug/L
P4866-02	RW7-SP201-20241114	Water	Pyrene	0.120		0.02	0.1	ug/L
			Total Svoc :			**1.90**		
			Total Concentration:			**1.90**		
Client ID : RW5-SP100-20241114								
P4868-01	RW5-SP100-20241114	Water	1,4-Dioxane	9.700		0.34	1	ug/L
			Total Svoc :			**9.70**		
			Total Concentration:			**9.70**		
Client ID : RW5-SP201-20241114								
P4868-02	RW5-SP201-20241114	Water	1,4-Dioxane	0.150	J	0.07	0.2	ug/L
			Total Svoc :			**0.15**		
			Total Concentration:			**0.15**		
Client ID : RW5-SP303-20241114								
P4868-03	RW5-SP303-20241114	Water	1,4-Dioxane	0.100	J	0.07	0.2	ug/L
			Total Svoc :			**0.10**		
			Total Concentration:			**0.10**		
Client ID : BPOW6-7-20241118								
P4934-03	BPOW6-7-20241118	Water	Pyrene	0.050	J	0.02	0.1	ug/L
			Total Svoc :			**0.05**		
			Total Concentration:			**0.05**		

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Hit Summary Sheet
SW-846

SDG No.: BN112124

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : DUP-01-20241118								
P4934-04	DUP-01-20241118	Water	Pyrene	0.080	J	0.02	0.1	ug/L
			Total Svoc :	**0.08**				
			Total Concentration:	**0.08**				
Client ID : BPOW6-8-20241118								
P4934-10	BPOW6-8-20241118	Water	Pyrene	0.060	J	0.02	0.1	ug/L
			Total Svoc :	**0.06**				
			Total Concentration:	**0.06**				
Client ID : DUP-02-20241119								
P4934-12	DUP-02-20241119	Water	Pyrene	0.070	J	0.02	0.1	ug/L
			Total Svoc :	**0.07**				
			Total Concentration:	**0.07**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN111324 SAS No.: BN111324 SDG No.: BN111324

Instrument ID: Calibration Date(s): 11/13/2024

Calibration Time(s): 12:40

LAB FILE ID: RRF0.1 = BN035062.D RRF0.2 = BN035063.D RRF0.4 = BN035064.D
RRF0.8 = BN035065.D RRF1.6 = BN035066.D RRF3.2 = BN035067.D

COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.694	0.683	0.664	0.762	0.753	0.703	0.713	5.1
Fluoranthene-d10	1.196	1.178	1.169	1.288	1.284	1.222	1.225	3.9
n-Nitrosodimethylamine	0.366	0.328	0.326	0.360	0.347	0.321	0.339	5.5
2-Fluorophenol	1.073	1.039	0.949	1.086	1.034	0.966	1.015	5.5
Phenol-d6	1.264	1.279	1.159	1.355	1.318	1.255	1.273	4.8
bis(2-Chloroethyl)ether	0.972	0.949	0.893	1.027	0.995	0.925	0.956	4.8
Nitrobenzene-d5	0.358	0.338	0.320	0.368	0.356	0.344	0.348	4.5
Naphthalene	1.088	1.009	0.977	1.116	1.085	1.010	1.044	5.0
Hexachlorobutadiene	0.324	0.305	0.293	0.326	0.315	0.289	0.306	5.1
2-Methylnaphthalene	0.742	0.748	0.711	0.823	0.815	0.765	0.770	5.3
2-Fluorobiphenyl	1.701	1.576	1.460	1.735	1.687	1.599	1.624	5.7
Acenaphthylene	1.715	1.616	1.488	1.822	1.775	1.756	1.709	6.9
Acenaphthene	1.129	1.079	1.000	1.202	1.157	1.130	1.120	5.8
Fluorene	1.704	1.591	1.463	1.755	1.708	1.656	1.648	5.9
4,6-Dinitro-2-methylphenol	0.068	0.067	0.073	0.087	0.088	0.095	0.083	17.5
2,4,6-Tribromophenol	0.281	0.262	0.240	0.300	0.299	0.308	0.289	10.6
4-Bromophenyl-phenylether	0.256	0.240	0.246	0.272	0.267	0.252	0.255	4.4
Hexachlorobenzene	0.275	0.259	0.253	0.277	0.273	0.258	0.264	3.8
Atrazine	0.227	0.227	0.217	0.244	0.238	0.223	0.229	4.0
Pentachlorophenol	0.106	0.101	0.104	0.130	0.130	0.141	0.124	16.7
Phenanthrene	1.069	1.013	1.004	1.115	1.096	1.034	1.053	4.0
Anthracene	0.917	0.904	0.920	1.024	1.016	0.986	0.967	5.3
Fluoranthene	1.396	1.376	1.386	1.543	1.527	1.453	1.448	4.6
Pyrene	1.339	1.290	1.288	1.424	1.367	1.301	1.332	3.7
Terphenyl-d14	0.838	0.819	0.810	0.894	0.867	0.817	0.839	3.6
Benzo(a)anthracene	1.421	1.368	1.328	1.464	1.416	1.355	1.393	3.3
Chrysene	1.409	1.366	1.332	1.479	1.420	1.331	1.380	4.3
Bis(2-ethylhexyl)phthalate	0.809	0.753	0.647	0.768	0.702	0.693	0.731	7.4
Benzo(b)fluoranthene	1.326	1.272	1.279	1.439	1.418	1.327	1.346	4.8
Benzo(k)fluoranthene	1.342	1.288	1.287	1.418	1.410	1.323	1.347	3.9
Benzo(a)pyrene	1.172	1.134	1.123	1.247	1.240	1.167	1.184	4.1
Indeno(1,2,3-cd)pyrene	1.609	1.515	1.522	1.730	1.659	1.550	1.596	4.9
Dibenzo(a,h)anthracene	1.248	1.195	1.210	1.375	1.322	1.235	1.264	5.1
Benzo(g,h,i)perylene	1.380	1.288	1.286	1.452	1.386	1.294	1.345	4.7
1,4-Dioxane	0.410	0.382	0.335	0.371	0.367	0.348	0.363	7.8

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.: BN112124 SAS No.: BN112124 SDG NO.: BN112124

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Nov 21 2024 12:00AM

Lab File ID: BN035064.D Time Analyzed: 13:58

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	2804	7.553	6865	10.32	5401		14.19
	UPPER LIMIT	5608	8.053	13730	10.819	10802		14.686
	LOWER LIMIT	1402	7.053	3432.5	9.819	2700.5		13.686
	EPA SAMPLE NO.							
01	PB165012BL	3644	7.33	8156	10.07	4996		13.98
02	RW5-SP201-20241114	2998	7.33	6728	10.07	1733	*	13.98
03	RW5-SP100-20241114	2554	7.33	5906	10.07	4010		13.99
04	RW7-SP200-20241114	3104	7.33	7479	10.07	2812		13.98
05	RW5-SP303-20241114	2785	7.33	6599	10.07	2228	*	13.99
06	RW7-SP201-20241114	2730	7.33	6373	10.07	3921		13.99
07	PB165012BS	3340	7.33	7691	10.07	4263		13.99
08	PB165012BSD	3072	7.33	6967	10.07	4025		13.98
09	BPOW6-7-20241118	2646	7.32	6014	10.07	3783		13.99
10	DUP-01-20241118	2749	7.32	6688	10.07	4330		13.98
11	BPOW6-9-20241118	2756	7.32	6458	10.07	4128		13.98
12	FB-01-20241119	2669	7.32	6148	10.07	3898		13.98
13	RB-01-20241119	2945	7.32	7124	10.07	4659		13.98
14	BPOW6-8-20241118	2753	7.32	6705	10.07	4351		13.98
15	DUP-02-20241119	2771	7.32	6431	10.07	3947		13.98

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.: BN112124 SAS No.: BN112124 SDG NO.: BN112124

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Nov 21 2024 12:00AM

Lab File ID: BN035219.D Time Analyzed: 13:58

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	3553	7.329	8594	10.07	5839		13.99
	UPPER LIMIT	7106	7.829	17188	10.573	11678		14.487
	LOWER LIMIT	1776.5	6.829	4297	9.573	2919.5		13.487
	EPA SAMPLE NO.							
01	PB165012BL	3644	7.33	8156	10.07	4996		13.98
02	RW5-SP201-20241114	2998	7.33	6728	10.07	1733	*	13.98
03	RW5-SP100-20241114	2554	7.33	5906	10.07	4010		13.99
04	RW7-SP200-20241114	3104	7.33	7479	10.07	2812	*	13.98
05	RW5-SP303-20241114	2785	7.33	6599	10.07	2228	*	13.99
06	RW7-SP201-20241114	2730	7.33	6373	10.07	3921		13.99
07	PB165012BS	3340	7.33	7691	10.07	4263		13.99
08	PB165012BSD	3072	7.33	6967	10.07	4025		13.98
09	BPOW6-7-20241118	2646	7.32	6014	10.07	3783		13.99
10	DUP-01-20241118	2749	7.32	6688	10.07	4330		13.98
11	BPOW6-9-20241118	2756	7.32	6458	10.07	4128		13.98
12	FB-01-20241119	2669	7.32	6148	10.07	3898		13.98
13	RB-01-20241119	2945	7.32	7124	10.07	4659		13.98
14	BPOW6-8-20241118	2753	7.32	6705	10.07	4351		13.98
15	DUP-02-20241119	2771	7.32	6431	10.07	3947		13.98

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.: BN112124 SAS No.: BN112124 SDG NO.: BN112124

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Nov 21 2024 12:00AM

Lab File ID: BN035064.D Time Analyzed: 13:58

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	13499		16.939	14946		21.14	17077		23.304
	UPPER LIMIT	26998		17.439	29892		21.64	34154		23.804
	LOWER LIMIT	6749.5		16.439	7473		20.64	8538.5		22.804
	EPA SAMPLE NO.									
01	PB165012BL	10325		16.75	2547	*	21.01	7086	*	23.11
02	RW5-SP201-20241114	6277	*	16.75	144	*	21.01	16	*	23.10
03	RW5-SP100-20241114	8978		16.75	1826	*	21.01	5244	*	23.10
04	RW7-SP200-20241114	9268		16.75	1000	*	21.01	155	*	23.10
05	RW5-SP303-20241114	7426		16.75	966	*	21.01	110	*	23.11
06	RW7-SP201-20241114	8423		16.75	1472	*	21.01	2672	*	23.10
07	PB165012BS	8289		16.75	1030	*	21.01	1173	*	23.10
08	PB165012BSD	7680		16.75	1000	*	21.01	3421	*	23.10
09	BPOW6-7-20241118	8215		16.75	1596	*	21.01	7371	*	23.10
10	DUP-01-20241118	8619		16.75	1170	*	21.01	5974	*	23.10
11	BPOW6-9-20241118	8432		16.75	1400	*	21.01	6097	*	23.10
12	FB-01-20241119	8027		16.75	1052	*	21.01	5733	*	23.10
13	RB-01-20241119	9464		16.75	1183	*	21.01	6123	*	23.10
14	BPOW6-8-20241118	9377		16.75	1394	*	21.01	5766	*	23.10
15	DUP-02-20241119	8351		16.75	946	*	21.01	7194	*	23.10

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN112124 SAS No.: BN112124 SDG NO.: BN112124

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Nov 21 2024 12:00AM

Lab File ID: BN035064.D Time Analyzed: 22:25

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	13499	16.939	14946	21.14	17077	23.304
UPPER LIMIT	26998	17.439	29892	21.64	34154	23.804
LOWER LIMIT	6749.5	16.439	7473	20.64	8538.5	22.804
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.: BN112124 SAS No.: BN112124 SDG NO.: BN112124

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Nov 21 2024 12:00AM

Lab File ID: BN035219.D Time Analyzed: 13:58

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	13132		16.746	2179		21.008	7936		23.104
	UPPER LIMIT	26264		17.246	4358		21.508	15872		23.604
	LOWER LIMIT	6566		16.246	1089.5		20.508	3968		22.604
	EPA SAMPLE NO.									
01	PB165012BL	10325		16.75	2547		21.01	7086		23.11
02	RW5-SP201-20241114	6277	*	16.75	144	*	21.01	16	*	23.10
03	RW5-SP100-20241114	8978		16.75	1826		21.01	5244		23.10
04	RW7-SP200-20241114	9268		16.75	1000	*	21.01	155	*	23.10
05	RW5-SP303-20241114	7426		16.75	966	*	21.01	110	*	23.11
06	RW7-SP201-20241114	8423		16.75	1472		21.01	2672	*	23.10
07	PB165012BS	8289		16.75	1030	*	21.01	1173	*	23.10
08	PB165012BSD	7680		16.75	1000	*	21.01	3421	*	23.10
09	BPOW6-7-20241118	8215		16.75	1596		21.01	7371		23.10
10	DUP-01-20241118	8619		16.75	1170		21.01	5974		23.10
11	BPOW6-9-20241118	8432		16.75	1400		21.01	6097		23.10
12	FB-01-20241119	8027		16.75	1052	*	21.01	5733		23.10
13	RB-01-20241119	9464		16.75	1183		21.01	6123		23.10
14	BPOW6-8-20241118	9377		16.75	1394		21.01	5766		23.10
15	DUP-02-20241119	8351		16.75	946	*	21.01	7194		23.10

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN112124 SAS No.: BN112124 SDG NO.: BN112124

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Nov 21 2024 12:00AM

Lab File ID: BN035219.D Time Analyzed: 22:25

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	13132	16.746	2179	21.008	7936	23.104
UPPER LIMIT	26264	17.246	4358	21.508	15872	23.604
LOWER LIMIT	6566	16.246	1089.5	20.508	3968	22.604
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.: BN112124

Client:

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165012BS	n-Nitrosodimethylamine	0.4	0.37	ug/L	93				33	130	
	bis(2-Chloroethyl)ether	0.4	0.42	ug/L	105				55	118	
	Naphthalene	0.4	0.4	ug/L	100				67	120	
	Hexachlorobutadiene	0.4	0.31	ug/L	78				33	114	
	2-Methylnaphthalene	0.4	0.36	ug/L	90				50	122	
	Acenaphthylene	0.4	0.4	ug/L	100				60	119	
	Acenaphthene	0.4	0.4	ug/L	100				65	119	
	Total PAH	6.4	15.81	ug/L	247		*		65	119	
	Fluorene	0.4	0.37	ug/L	93				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.17	ug/L	43				20	150	
	4-Bromophenyl-phenylether	0.4	0.4	ug/L	100				20	150	
	Hexachlorobenzene	0.4	0.46	ug/L	115				62	127	
	Atrazine	0.4		ug/L	0		*		20	150	
	Pentachlorophenol	0.8	0.63	ug/L	79				10	137	
	Phenanthrene	0.4	0.41	ug/L	103				65	117	
	Anthracene	0.4	0.41	ug/L	103				57	118	
	Fluoranthene	0.4	0.28	ug/L	70				53	126	
	Pyrene	0.4	2	ug/L	500		*		54	124	
	Benzo(a)anthracene	0.4	2.1	ug/L	525		*		54	130	
	Chrysene	0.4	2.1	ug/L	525		*		64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.47	ug/L	117				40	137	
	Benzo(b)fluoranthene	0.4	1.5	ug/L	375		*		65	121	
	Benzo(k)fluoranthene	0.4	1.3	ug/L	325		*		72	119	
	Benzo(a)pyrene	0.4	0.99	ug/L	247		*		68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.95	ug/L	238		*		70	127	
	Dibenz(a,h)anthracene	0.4	1.3	ug/L	325		*		65	121	
	Benzo(g,h,i)perylene	0.4	0.9	ug/L	225		*		76	117	
	1,4-Dioxane	0.4	0.38	ug/L	95				42	127	
PB165012BSD	n-Nitrosodimethylamine	0.4	0.39	ug/L	98	5			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.44	ug/L	110	5			55	118	20
	Naphthalene	0.4	0.43	ug/L	108	7			67	120	20
	Hexachlorobutadiene	0.4	0.32	ug/L	80	3			33	114	20
	2-Methylnaphthalene	0.4	0.39	ug/L	98	8			50	122	20
	Acenaphthylene	0.4	0.46	ug/L	115	14			60	119	20
	Acenaphthene	0.4	0.43	ug/L	108	7			65	119	20
	Total PAH	6.4	14.44	ug/L	226	9	*		65	119	20
	Fluorene	0.4	0.38	ug/L	95	3			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.17	ug/L	43	0			20	150	20
	4-Bromophenyl-phenylether	0.4	0.42	ug/L	105	5			20	150	20
	Hexachlorobenzene	0.4	0.47	ug/L	117	2			62	127	20
	Atrazine	0.4		ug/L	0	0	*		20	150	20
	Pentachlorophenol	0.8	0.6	ug/L	75	5			10	137	20
	Phenanthrene	0.4	0.44	ug/L	110	7			65	117	20
	Anthracene	0.4	0.46	ug/L	115	11			57	118	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN112124

Client:

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB165012BSD	Fluoranthene	0.4	0.32	ug/L	80	13			53	126	20
	Pyrene	0.4	2.7	ug/L	675	30	*	*	54	124	20
	Benzo(a)anthracene	0.4	2.4	ug/L	600	13	*		54	130	20
	Chrysene	0.4	2.5	ug/L	625	17	*		64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.6	ug/L	150	24	*	*	40	137	20
	Benzo(b)fluoranthene	0.4	0.7	ug/L	175	73	*	*	65	121	20
	Benzo(k)fluoranthene	0.4	0.7	ug/L	175	60	*	*	72	119	20
	Benzo(a)pyrene	0.4	0.66	ug/L	165	40	*	*	68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.63	ug/L	158	41	*	*	70	127	20
	Dibenz(a,h)anthracene	0.4	0.66	ug/L	165	65	*	*	65	121	20
	Benzo(g,h,i)perylene	0.4	0.57	ug/L	143	45	*	*	76	117	20
	1,4-Dioxane	0.4	0.39	ug/L	98	3			42	127	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165012BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN112124 SAS No.: BN112124 SDG NO.: BN112124

Lab File ID: BN035220.D Lab Sample ID: PB165012BL

Instrument ID: BNA_N Date Extracted: 11/15/2024

Matrix: (soil/water) Water Date Analyzed: 11/21/2024

Level: (low/med) LOW Time Analyzed: 13:58

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RW5-SP201-20241114	P4868-02	BN035221.D	11/21/2024
RW5-SP100-20241114	P4868-01	BN035222.D	11/21/2024
RW7-SP200-20241114	P4866-01	BN035223.D	11/21/2024
RW5-SP303-20241114	P4868-03	BN035224.D	11/21/2024
RW7-SP201-20241114	P4866-02	BN035225.D	11/21/2024
PB165012BS	PB165012BS	BN035226.D	11/21/2024
PB165012BSD	PB165012BSD	BN035227.D	11/21/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BPOW6-7-20241118

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN112124 SAS No.: BN112124 SDG NO.: BN112124

Lab File ID: BN035228.D Lab Sample ID: P4934-03

Instrument ID: BNA_N Date Extracted: 11/21/2024

Matrix: (soil/water) Water Date Analyzed: 11/21/2024

Level: (low/med) LOW Time Analyzed: 18:48

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BPOW6-7-20241118	P4934-03	BN035228.D	11/21/2024
DUP-01-20241118	P4934-04	BN035229.D	11/21/2024
BPOW6-9-20241118	P4934-08	BN035230.D	11/21/2024
FB-01-20241119	P4934-09	BN035231.D	11/21/2024
RB-01-20241119	P4934-11	BN035232.D	11/21/2024
BPOW6-8-20241118	P4934-10	BN035233.D	11/21/2024
DUP-02-20241119	P4934-12	BN035234.D	11/21/2024

COMMENTS:

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Surrogate Summary

SW-846

SDG No.: BN112124

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4866-01	RW7-SP200-20241	BN035223.D	2-Methylnaphthalene-d10	0.4	0.26	65		20	139
			Fluoranthene-d10	0.4	0.19	47		30	150
			2-Fluorophenol	0.4	0.14	34		10	100
			Phenol-d6	0.4	0.10	24		10	100
			Nitrobenzene-d5	0.4	0.19	47		27	123
			2-Fluorobiphenyl	0.4	0.26	64		34	132
			2,4,6-Tribromophenol	0.4	0.63	158	*	10	131
			Terphenyl-d14	0.4	2.64	661	*	35	157
P4866-02	RW7-SP201-20241	BN035225.D	2-Methylnaphthalene-d10	0.4	0.31	77		20	139
			Fluoranthene-d10	0.4	0.37	91		30	150
			2-Fluorophenol	0.4	0.15	38		10	100
			Phenol-d6	0.4	0.09	22		10	100
			Nitrobenzene-d5	0.4	0.22	54		27	123
			2-Fluorobiphenyl	0.4	0.10	24	*	34	132
			2,4,6-Tribromophenol	0.4	0.35	88		10	131
			Terphenyl-d14	0.4	2.29	573	*	35	157
P4868-01	RW5-SP100-20241	BN035222.D	2-Methylnaphthalene-d10	0.4	0.30	74		20	139
			Fluoranthene-d10	0.4	0.35	88		30	150
			2-Fluorophenol	0.4	0.16	40		10	100
			Phenol-d6	0.4	0.09	21		10	100
			Nitrobenzene-d5	0.4	0.19	46		27	123
			2-Fluorobiphenyl	0.4	0.28	69		34	132
			2,4,6-Tribromophenol	0.4	0.40	99		10	131
			Terphenyl-d14	0.4	1.77	441	*	35	157
P4868-02	RW5-SP201-20241	BN035221.D	2-Methylnaphthalene-d10	0.4	0.28	69		20	139
			Fluoranthene-d10	0.4	0.15	38		30	150
			2-Fluorophenol	0.4	0.16	40		10	100
			Phenol-d6	0.4	0.13	33		10	100
			Nitrobenzene-d5	0.4	0.25	63		27	123
			2-Fluorobiphenyl	0.4	0.35	88		34	132
			2,4,6-Tribromophenol	0.4	1.00	250	*	10	131
			Terphenyl-d14	0.4	14.95	3736	*	35	157
P4868-03	RW5-SP303-20241	BN035224.D	2-Methylnaphthalene-d10	0.4	0.34	84		20	139
			Fluoranthene-d10	0.4	0.23	57		30	150
			2-Fluorophenol	0.4	0.19	47		10	100
			Phenol-d6	0.4	0.10	24		10	100
			Nitrobenzene-d5	0.4	0.24	61		27	123
			2-Fluorobiphenyl	0.4	0.15	38		34	132
			2,4,6-Tribromophenol	0.4	0.86	214	*	10	131
			Terphenyl-d14	0.4	2.71	677	*	35	157
PB165012BL	PB165012BL	BN035220.D	2-Methylnaphthalene-d10	0.4	0.36	90		20	139
			Fluoranthene-d10	0.4	0.33	83		30	150
			2-Fluorophenol	0.4	0.45	112	*	10	100
			Phenol-d6	0.4	0.45	112	*	10	100
			Nitrobenzene-d5	0.4	0.28	69		27	123
			2-Fluorobiphenyl	0.4	0.17	42		34	132
			2,4,6-Tribromophenol	0.4	0.30	74		10	131
			Terphenyl-d14	0.4	1.29	323	*	35	157
PB165012BS	PB165012BS	BN035226.D	2-Methylnaphthalene-d10	0.4	0.33	82		20	139

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Surrogate Summary

SW-846

SDG No.: BN112124

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB165012BS	PB165012BS	BN035226.D	Fluoranthene-d10	0.4	0.26	66		30	150
			2-Fluorophenol	0.4	0.39	97		10	100
			Phenol-d6	0.4	0.37	92		10	100
			Nitrobenzene-d5	0.4	0.22	56		27	123
			2-Fluorobiphenyl	0.4	0.09	22	*	34	132
			2,4,6-Tribromophenol	0.4	0.31	77		10	131
			Terphenyl-d14	0.4	2.22	556	*	35	157
PB165012BSD	PB165012BSD	BN035227.D	2-Methylnaphthalene-d10	0.4	0.35	87		20	139
			Fluoranthene-d10	0.4	0.30	76		30	150
			2-Fluorophenol	0.4	0.41	103	*	10	100
			Phenol-d6	0.4	0.40	100		10	100
			Nitrobenzene-d5	0.4	0.24	60		27	123
			2-Fluorobiphenyl	0.4	0.08	19	*	34	132
			2,4,6-Tribromophenol	0.4	0.31	77		10	131
			Terphenyl-d14	0.4	2.27	567	*	35	157

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Surrogate Summary

SW-846

SDG No.: BN112124

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4934-03	BPOW6-7-2024111	BN035228.D	2-Methylnaphthalene-d10	0.4	0.29	74		20	139
			Fluoranthene-d10	0.4	0.39	96		30	150
			2-Fluorophenol	0.4	0.19	48		10	100
			Phenol-d6	0.4	0.11	28		10	100
			Nitrobenzene-d5	0.4	0.21	52		27	123
			2-Fluorobiphenyl	0.4	0.09	22	*	34	132
			2,4,6-Tribromophenol	0.4	0.27	67		10	131
			Terphenyl-d14	0.4	2.63	657	*	35	157
P4934-04	DUP-01-20241118	BN035229.D	2-Methylnaphthalene-d10	0.4	0.28	69		20	139
			Fluoranthene-d10	0.4	0.33	83		30	150
			2-Fluorophenol	0.4	0.18	45		10	100
			Phenol-d6	0.4	0.11	27		10	100
			Nitrobenzene-d5	0.4	0.18	45		27	123
			2-Fluorobiphenyl	0.4	0.06	15	*	34	132
			2,4,6-Tribromophenol	0.4	0.23	58		10	131
			Terphenyl-d14	0.4	2.81	702	*	35	157
P4934-08	BPOW6-9-2024111	BN035230.D	2-Methylnaphthalene-d10	0.4	0.29	72		20	139
			Fluoranthene-d10	0.4	0.33	83		30	150
			2-Fluorophenol	0.4	0.18	44		10	100
			Phenol-d6	0.4	0.11	28		10	100
			Nitrobenzene-d5	0.4	0.19	47		27	123
			2-Fluorobiphenyl	0.4	0.07	18	*	34	132
			2,4,6-Tribromophenol	0.4	0.24	59		10	131
			Terphenyl-d14	0.4	2.67	668	*	35	157
P4934-09	FB-01-20241119	BN035231.D	2-Methylnaphthalene-d10	0.4	0.33	83		20	139
			Fluoranthene-d10	0.4	0.40	100		30	150
			2-Fluorophenol	0.4	0.21	53		10	100
			Phenol-d6	0.4	0.13	31		10	100
			Nitrobenzene-d5	0.4	0.21	53		27	123
			2-Fluorobiphenyl	0.4	0.07	17	*	34	132
			2,4,6-Tribromophenol	0.4	0.29	73		10	131
			Terphenyl-d14	0.4	4.71	1178	*	35	157
P4934-10	BPOW6-8-2024111	BN035233.D	2-Methylnaphthalene-d10	0.4	0.29	72		20	139
			Fluoranthene-d10	0.4	0.34	84		30	150
			2-Fluorophenol	0.4	0.12	30		10	100
			Phenol-d6	0.4	0.07	17		10	100
			Nitrobenzene-d5	0.4	0.19	48		27	123
			2-Fluorobiphenyl	0.4	0.08	21	*	34	132
			2,4,6-Tribromophenol	0.4	0.23	58		10	131
			Terphenyl-d14	0.4	3.68	919	*	35	157
P4934-11	RB-01-20241119	BN035232.D	2-Methylnaphthalene-d10	0.4	0.29	72		20	139
			Fluoranthene-d10	0.4	0.35	88		30	150
			2-Fluorophenol	0.4	0.12	29		10	100
			Phenol-d6	0.4	0.06	16		10	100
			Nitrobenzene-d5	0.4	0.20	49		27	123
			2-Fluorobiphenyl	0.4	0.06	16	*	34	132
			2,4,6-Tribromophenol	0.4	0.24	60		10	131
			Terphenyl-d14	0.4	4.19	1048	*	35	157
P4934-12	DUP-02-20241119	BN035234.D	2-Methylnaphthalene-d10	0.4	0.27	68		20	139

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Surrogate Summary

SW-846

SDG No.: BN112124

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4934-12	DUP-02-20241119	BN035234.D	Fluoranthene-d10	0.4	0.36	90		30	150
			2-Fluorophenol	0.4	0.12	31		10	100
			Phenol-d6	0.4	0.07	17		10	100
			Nitrobenzene-d5	0.4	0.19	47		27	123
			2-Fluorobiphenyl	0.4	0.06	16	*	34	132
			2,4,6-Tribromophenol	0.4	0.25	63		10	131
			Terphenyl-d14	0.4	4.65	1163	*	35	157

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN112124

Lab Code: CHEM SAS No.: BN112124 SDG NO.: BN112124

Lab File ID: BN035218.D DFTPP Injection Date: 11/21/2024

Instrument ID: BNA_N DFTPP Injection Time: 12:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.4
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	30.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	40
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	11.3
442	Greater than 50% of mass 198	68.4
443	15.0 - 24.0% of mass 442	12.7 (18.5) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN035219.D	11/21/2024	13:22
PB165012BL	PB165012BL	BN035220.D	11/21/2024	13:58
RW5-SP201-20241114	P4868-02	BN035221.D	11/21/2024	14:35
RW5-SP100-20241114	P4868-01	BN035222.D	11/21/2024	15:12
RW7-SP200-20241114	P4866-01	BN035223.D	11/21/2024	15:48
RW5-SP303-20241114	P4868-03	BN035224.D	11/21/2024	16:24
RW7-SP201-20241114	P4866-02	BN035225.D	11/21/2024	17:00
PB165012BS	PB165012BS	BN035226.D	11/21/2024	17:36
PB165012BSD	PB165012BSD	BN035227.D	11/21/2024	18:12
BPOW6-7-20241118	P4934-03	BN035228.D	11/21/2024	18:48
DUP-01-20241118	P4934-04	BN035229.D	11/21/2024	19:24
BPOW6-9-20241118	P4934-08	BN035230.D	11/21/2024	20:00
FB-01-20241119	P4934-09	BN035231.D	11/21/2024	20:36
RB-01-20241119	P4934-11	BN035232.D	11/21/2024	21:12
BPOW6-8-20241118	P4934-10	BN035233.D	11/21/2024	21:49
DUP-02-20241119	P4934-12	BN035234.D	11/21/2024	22:25
SSTDCCC0.4EC	SSTDCCC0.4	BN035235.D	11/21/2024	23:01