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.: BN101124 SAS No.: BN101124 SDG No.: BN101124

Instrument ID: BNA_N Calibration Date/Time: 10/11/2024 1 13:23

Lab File ID: BN034552.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	0.569		-3.723	20.0
Fluoranthene-d10	1.009	0.977		-3.171	20.0
n-Nitrosodimethylamine	0.569	0.441		-22.496	20.0
2-Fluorophenol	1.135	1.130		-0.441	20.0
Phenol-d6	1.320	1.099		-16.742	20.0
bis(2-Chloroethyl)ether	1.168	0.861		-26.284	20.0
Nitrobenzene-d5	0.306	0.253		-17.32	20.0
Naphthalene	1.098	1.008		-8.197	20.0
Hexachlorobutadiene	0.207	0.228		10.145	20.0
2-Methylnaphthalene	0.714	0.649		-9.104	20.0
2-Fluorobiphenyl	1.627	1.377		-15.366	20.0
Acenaphthylene	1.712	1.476		-13.785	20.0
Acenaphthene	1.228	1.127		-8.225	20.0
Fluorene	1.612	1.433		-11.104	20.0
4,6-Dinitro-2-methylphenol	0.057	0.006		-89.474	20.0
2,4,6-Tribromophenol	0.181	0.183		1.105	20.0
4-Bromophenyl-phenylether	0.225	0.228		1.333	20.0
Hexachlorobenzene	0.252	0.302		19.841	20.0
Atrazine	0.186	0.175		-5.914	20.0
Pentachlorophenol	0.083	0.106		27.711	20.0
Phenanthrene	1.149	1.091		-5.048	20.0
Anthracene	0.937	0.862		-8.004	20.0
Fluoranthene	1.331	1.213		-8.866	20.0
Pyrene	1.688	3.906		131.398	20.0
Terphenyl-d14	0.799	1.986		148.561	20.0
Benzo(a)anthracene	1.265	0.205		-83.794	20.0
Chrysene	1.510	3.231		113.974	20.0
Bis(2-ethylhexyl)phthalate	0.527	0.309		-41.366	20.0
Benzo(b)fluoranthene	1.567	1.360		-13.21	20.0
Benzo(k)fluoranthene	1.645	1.488		-9.544	20.0
Benzo(a)pyrene	1.277	1.178		-7.753	20.0
Indeno(1,2,3-cd)pyrene	1.714	1.596		-6.884	20.0
Dibenzo(a,h)anthracene	1.331	1.238		-6.987	20.0
Benzo(g,h,i)perylene	1.495	1.473		-1.472	20.0
1,4-Dioxane	0.500	0.463		-7.4	20.0

All other compounds must meet a minimum RRF of 0.010.

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Report of Analysis

Client:				Date Collected:	10/4/2024 12:00:00 AM
Project:				Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	PB163903BL			SDG No.:	BN101124
Lab Sample ID:	PB163903BL			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
BN034553.D	1	10/4/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163903

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:	10/4/2024 12:00:00 AM
Project:				Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	PB163903BL			SDG No.:	BN101124
Lab Sample ID:	PB163903BL			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
BN034553.D	1	10/4/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.354		20-139		88	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.385		30-150		96	SPK: -0.4
367-12-4	2-Fluorophenol	0.334		10-100		83	SPK: -0.4
13127-88-3	Phenol-d6	0.257		10-100		64	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.3		27-123		75	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.296		34-132		74	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.139		10-131		35	SPK: -0.4
1718-51-0	Terphenyl-d14	0.519		35-157		130	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4285	7.365				
1146-65-2	Naphthalene-d8	11473	10.127				
15067-26-2	Acenaphthene-d10	6303	14.015				
1517-22-2	Phenanthrene-d10	10680	16.79				
1719-03-5	Chrysene-d12	6687	21.006				
1520-96-3	Perylene-d12	10014	23.111				

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Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	BPOW6-11-HYD-20241001RE	SDG No.:	BN101124
Lab Sample ID:	P4267-01RE	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	890 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
BN034554.D	1	10/2/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163839

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.22	0.22	ug/L
111-44-4	bis(2-Chloroethyl)ether	2.4		0.03	0.11	0.11	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.11	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.11	0.11	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.11	0.11	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.11	0.11	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.11	0.11	ug/L
Total PAH	Total PAH	0.5	U	0.5	0.11	1.76	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.11	0.11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.16	U	0.16	0.22	0.22	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.11	0.11	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.11	0.11	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.11	0.11	ug/L
87-86-5	Pentachlorophenol	0.1	U	0.1	0.22	0.22	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.11	0.11	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.11	0.11	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.11	0.11	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.11	0.11	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.11	0.11	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.11	0.11	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.16	U	0.16	0.22	0.22	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.11	0.11	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.11	0.11	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.11	0.11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.11	0.11	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.11	0.11	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.11	0.11	ug/L
123-91-1	1,4-Dioxane	0.08	U	0.08	0.22	0.22	ug/L

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Report of Analysis

Client:				Date Collected:	10/1/2024 12:00:00 AM
Project:				Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	BPOW6-11-HYD-20241001RE			SDG No.:	BN101124
Lab Sample ID:	P4267-01RE			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	890	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
BN034554.D	1	10/2/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163839

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.064	*	20-139		16	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.395		30-150		99	SPK: -0.4
367-12-4	2-Fluorophenol	0.117		10-100		29	SPK: -0.4
13127-88-3	Phenol-d6	0.001	*	10-100		0	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.264		27-123		66	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.328		34-132		82	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.282		10-131		70	SPK: -0.4
1718-51-0	Terphenyl-d14	0.982	*	35-157		245	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4037	7.366				
1146-65-2	Naphthalene-d8	10825	10.127				
15067-26-2	Acenaphthene-d10	6085	14.019				
1517-22-2	Phenanthrene-d10	10936	16.784				
1719-03-5	Chrysene-d12	4789	21.008				
1520-96-3	Perylene-d12	8624	23.107				

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Report of Analysis

Client:				Date Collected:	10/2/2024 12:00:00 AM
Project:				Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	RW7-SP302-20241002			SDG No.:	BN101124
Lab Sample ID:	P4282-03			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
BN034555.D	1	10/4/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163903

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	0.08	J	0.07	0.21	0.21	ug/L

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Report of Analysis

Client:				Date Collected:	10/2/2024 12:00:00 AM
Project:				Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	RW7-SP302-20241002			SDG No.:	BN101124
Lab Sample ID:	P4282-03			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
BN034555.D	1	10/4/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.338		20-139		84	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.447		30-150		112	SPK: -0.4
367-12-4	2-Fluorophenol	0.123		10-100		31	SPK: -0.4
13127-88-3	Phenol-d6	0.046		10-100		12	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.313		27-123		78	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.321		34-132		80	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.133		10-131		33	SPK: -0.4
1718-51-0	Terphenyl-d14	0.73	*	35-157		183	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3890	7.366				
1146-65-2	Naphthalene-d8	10037	10.137				
15067-26-2	Acenaphthene-d10	5820	14.019				
1517-22-2	Phenanthrene-d10	10479	16.784				
1719-03-5	Chrysene-d12	6403	21.008				
1520-96-3	Perylene-d12	9770	23.11				

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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:	BP-TT189D2-GW-20240926DL	SDG No.:	BN101124
Lab Sample ID:	P4241-02DL	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
BN034556.D	2	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163828

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.06	U	0.06	0.41	0.41	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.06	U	0.06	0.21	0.21	ug/L
91-20-3	Naphthalene	0.05	U	0.05	0.21	0.21	ug/L
87-68-3	Hexachlorobutadiene	0.05	U	0.05	0.21	0.21	ug/L
91-57-6	2-Methylnaphthalene	0.06	U	0.06	0.21	0.21	ug/L
208-96-8	Acenaphthylene	0.04	U	0.04	0.21	0.21	ug/L
83-32-9	Acenaphthene	0.04	U	0.04	0.21	0.21	ug/L
Total PAH	Total PAH	0.96	U	0.96	0.21	3.36	ug/L
86-73-7	Fluorene	0.04	U	0.04	0.21	0.21	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.41	0.41	ug/L
101-55-3	4-Bromophenyl-phenylether	0.05	U	0.05	0.21	0.21	ug/L
118-74-1	Hexachlorobenzene	0.06	U	0.06	0.21	0.21	ug/L
1912-24-9	Atrazine	0.05	U	0.05	0.21	0.21	ug/L
87-86-5	Pentachlorophenol	0.19	U	0.19	0.41	0.41	ug/L
85-01-8	Phenanthrene	0.04	U	0.04	0.21	0.21	ug/L
120-12-7	Anthracene	0.05	U	0.05	0.21	0.21	ug/L
206-44-0	Fluoranthene	0.05	U	0.05	0.21	0.21	ug/L
129-00-0	Pyrene	0.05	U	0.05	0.21	0.21	ug/L
56-55-3	Benzo(a)anthracene	0.05	U	0.05	0.21	0.21	ug/L
218-01-9	Chrysene	0.05	U	0.05	0.21	0.21	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.29	U	0.29	0.41	0.41	ug/L
205-99-2	Benzo(b)fluoranthene	0.07	U	0.07	0.21	0.21	ug/L
207-08-9	Benzo(k)fluoranthene	0.07	U	0.07	0.21	0.21	ug/L
50-32-8	Benzo(a)pyrene	0.12	U	0.12	0.21	0.21	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.08	U	0.08	0.21	0.21	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.08	U	0.08	0.21	0.21	ug/L
191-24-2	Benzo(g,h,i)perylene	0.08	U	0.08	0.21	0.21	ug/L
123-91-1	1,4-Dioxane	4.9	D	0.14	0.41	0.41	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:	BP-TT189D2-GW-20240926DL			SDG No.:	BN101124
Lab Sample ID:	P4241-02DL			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
BN034556.D	2	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163828

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.252		20-139		63	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.304		30-150		76	SPK: -0.4
367-12-4	2-Fluorophenol	0.076		10-100		19	SPK: -0.4
13127-88-3	Phenol-d6	0.028	*	10-100		7	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.206		27-123		51	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.236		34-132		59	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.176		10-131		44	SPK: -0.4
1718-51-0	Terphenyl-d14	0.576		35-157		144	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4488	7.365				
1146-65-2	Naphthalene-d8	12860	10.127				
15067-26-2	Acenaphthene-d10	8346	14.019				
1517-22-2	Phenanthrene-d10	16182	16.783				
1719-03-5	Chrysene-d12	8051	21.008				
1520-96-3	Perylene-d12	11279	23.11				

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Report of Analysis

Client:				Date Collected:	10/2/2024 12:00:00 AM
Project:				Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	RW7-SP100-20241002DL			SDG No.:	BN101124
Lab Sample ID:	P4282-01DL			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
BN034557.D	2	10/4/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.06	U	0.06	0.41	0.41	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	0.93	U	0.93	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	0.29	U	0.29	0.41	0.41	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	0.41	0.41	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	0.29	U	0.29	0.41	0.41	ug/L
205-99-2	Benzo(b)fluoranthene	0.07	U	0.07	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	0.08	U	0.08	0.2	0.2	ug/L
123-91-1	1,4-Dioxane	5.8	D	0.14	0.41	0.41	ug/L

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Report of Analysis

Client:				Date Collected:	10/2/2024 12:00:00 AM
Project:				Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	RW7-SP100-20241002DL			SDG No.:	BN101124
Lab Sample ID:	P4282-01DL			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
BN034557.D	2	10/4/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.292		20-139		73	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.402		30-150		100	SPK: -0.4
367-12-4	2-Fluorophenol	0.122		10-100		31	SPK: -0.4
13127-88-3	Phenol-d6	0.048		10-100		12	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.234		27-123		58	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.25		34-132		63	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.198		10-131		50	SPK: -0.4
1718-51-0	Terphenyl-d14	0.822	*	35-157		206	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3752	7.365				
1146-65-2	Naphthalene-d8	10492	10.137				
15067-26-2	Acenaphthene-d10	6659	14.019				
1517-22-2	Phenanthrene-d10	12028	16.783				
1719-03-5	Chrysene-d12	6979	21.008				
1520-96-3	Perylene-d12	10316	23.11				

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Report of Analysis

Client:				Date Collected:	10/11/2024 12:00:00 AM
Project:				Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	PB164072BL			SDG No.:	BN101124
Lab Sample ID:	PB164072BL			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
BN034558.D	1	10/11/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB164072

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:	10/11/2024 12:00:00 AM
Project:				Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	PB164072BL			SDG No.:	BN101124
Lab Sample ID:	PB164072BL			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
BN034558.D	1	10/11/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB164072

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.256		20-139		64	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.274		30-150		68	SPK: -0.4
367-12-4	2-Fluorophenol	0.248		10-100		62	SPK: -0.4
13127-88-3	Phenol-d6	0.185		10-100		46	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.219		27-123		55	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.199		34-132		50	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.141		10-131		35	SPK: -0.4
1718-51-0	Terphenyl-d14	0.347		35-157		87	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4651	7.373				
1146-65-2	Naphthalene-d8	12810	10.137				
15067-26-2	Acenaphthene-d10	7198	14.03				
1517-22-2	Phenanthrene-d10	11872	16.796				
1719-03-5	Chrysene-d12	7454	21.008				
1520-96-3	Perylene-d12	10379	23.11				

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Report of Analysis

Client:				Date Collected:	10/11/2024 12:00:00 AM
Project:				Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	PB164072BS			SDG No.:	BN101124
Lab Sample ID:	PB164072BS			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
BN034559.D	1	10/11/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB164072

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.36		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.31		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.39		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.46		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.37		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.38		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.39		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.55		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	0.38		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.52		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.33		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.56		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.4		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.37		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.35		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.57		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.13		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.58		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	0.42		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.45		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.47		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.46		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.48		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.37		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	10/11/2024 12:00:00 AM
Project:				Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	PB164072BS			SDG No.:	BN101124
Lab Sample ID:	PB164072BS			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
BN034559.D	1	10/11/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB164072

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.605	*	20-139		151	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.362		30-150		90	SPK: -0.4
367-12-4	2-Fluorophenol	0.312		10-100		78	SPK: -0.4
13127-88-3	Phenol-d6	0.262		10-100		65	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.304		27-123		76	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.347		34-132		87	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.263		10-131		66	SPK: -0.4
1718-51-0	Terphenyl-d14	0.562		35-157		140	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3683	7.365				
1146-65-2	Naphthalene-d8	10158	10.116				
15067-26-2	Acenaphthene-d10	5342	14.015				
1517-22-2	Phenanthrene-d10	9370	16.778				
1719-03-5	Chrysene-d12	4813	21.006				
1520-96-3	Perylene-d12	6818	23.111				

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Report of Analysis

Client:				Date Collected:	10/11/2024 12:00:00 AM
Project:				Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	PB164072BSD			SDG No.:	BN101124
Lab Sample ID:	PB164072BSD			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
BN034560.D	1	10/11/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB164072

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.34		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	0.39		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.45		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	0.38		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	6.54		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.34		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	0.37		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.51		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.33		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.55		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	0.37		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.35		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.59		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	0.65		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	0.41		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	0.47		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.46		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.48		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.34		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	10/11/2024 12:00:00 AM
Project:				Date Received:	10/11/2024 12:00:00 AM
Client Sample ID:	PB164072BSD			SDG No.:	BN101124
Lab Sample ID:	PB164072BSD			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
BN034560.D	1	10/11/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB164072

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.596	*	20-139		149	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.354		30-150		88	SPK: -0.4
367-12-4	2-Fluorophenol	0.321		10-100		80	SPK: -0.4
13127-88-3	Phenol-d6	0.263		10-100		66	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.308		27-123		77	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.337		34-132		84	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.257		10-131		64	SPK: -0.4
1718-51-0	Terphenyl-d14	0.582		35-157		146	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4159	7.366				
1146-65-2	Naphthalene-d8	11135	10.116				
15067-26-2	Acenaphthene-d10	5901	14.019				
1517-22-2	Phenanthrene-d10	10531	16.784				
1719-03-5	Chrysene-d12	5060	21.008				
1520-96-3	Perylene-d12	7684	23.113				

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Report of Analysis

Client:		Date Collected:	10/8/2024 12:00:00 AM
Project:		Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	BPOW6-11-HYD-20241008	SDG No.:	BN101124
Lab Sample ID:	P4365-01	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
BN034561.D	1	10/11/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB164072

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.03	J	0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.03	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:	10/8/2024 12:00:00 AM
Project:				Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	BPOW6-11-HYD-20241008			SDG No.:	BN101124
Lab Sample ID:	P4365-01			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
BN034561.D	1	10/11/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB164072

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.039	*	20-139		10	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.436		30-150		109	SPK: -0.4
367-12-4	2-Fluorophenol	0.063		10-100		16	SPK: -0.4
13127-88-3	Phenol-d6	0.002	*	10-100		1	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.279		27-123		70	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.273		34-132		68	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.186		10-131		47	SPK: -0.4
1718-51-0	Terphenyl-d14	0.715	*	35-157		179	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3175	7.365				
1146-65-2	Naphthalene-d8	7927	10.127				
15067-26-2	Acenaphthene-d10	4768	14.019				
1517-22-2	Phenanthrene-d10	8910	16.783				
1719-03-5	Chrysene-d12	5350	21.008				
1520-96-3	Perylene-d12	9918	23.107				

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Report of Analysis

Client:				Date Collected:	10/10/2024 12:00:00 AM
Project:				Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	DSN002			SDG No.:	BN101124
Lab Sample ID:	P4386-03			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
BN034562.D	1	10/11/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB164072

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	0.62		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	10/10/2024 12:00:00 AM
Project:				Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	DSN002			SDG No.:	BN101124
Lab Sample ID:	P4386-03			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
BN034562.D	1	10/11/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB164072

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.369		20-139		92	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.436		30-150		109	SPK: -0.4
367-12-4	2-Fluorophenol	0.218		10-100		54	SPK: -0.4
13127-88-3	Phenol-d6	0.132		10-100		33	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.299		27-123		75	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.329		34-132		82	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.384		10-131		96	SPK: -0.4
1718-51-0	Terphenyl-d14	1.099	*	35-157		275	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3574	7.365				
1146-65-2	Naphthalene-d8	10243	10.116				
15067-26-2	Acenaphthene-d10	5664	14.008				
1517-22-2	Phenanthrene-d10	10430	16.771				
1719-03-5	Chrysene-d12	3567	21.008				
1520-96-3	Perylene-d12	10493	23.104				

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Report of Analysis

Client:				Date Collected:	10/10/2024 12:00:00 AM
Project:				Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	DSN003			SDG No.:	BN101124
Lab Sample ID:	P4386-04			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
BN034563.D	1	10/11/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB164072

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	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	0.8		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	10/10/2024 12:00:00 AM
Project:				Date Received:	10/10/2024 12:00:00 AM
Client Sample ID:	DSN003			SDG No.:	BN101124
Lab Sample ID:	P4386-04			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
BN034563.D	1	10/11/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB164072

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.405		20-139		101	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.467		30-150		117	SPK: -0.4
367-12-4	2-Fluorophenol	0.242		10-100		60	SPK: -0.4
13127-88-3	Phenol-d6	0.139		10-100		35	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.327		27-123		82	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.355		34-132		89	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.45		10-131		113	SPK: -0.4
1718-51-0	Terphenyl-d14	0.916	*	35-157		229	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3622	7.366				
1146-65-2	Naphthalene-d8	10886	10.116				
15067-26-2	Acenaphthene-d10	6091	14.015				
1517-22-2	Phenanthrene-d10	11221	16.778				
1719-03-5	Chrysene-d12	5053	21.006				
1520-96-3	Perylene-d12	11608	23.102				

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Hit Summary Sheet
SW-846

SDG No.: BN101124

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**BP-TT189D2-GW-20240926DL**							
P4241-02DL	BP-TT189D2-GW-20240	Water	1,4-Dioxane	4.900	D	0.14	0.41	ug/L
			Total Svoc :			**4.90**		
			Total Concentration:			**4.90**		
Client ID :	**BPOW6-11-HYD-20241001RE**							
P4267-01RE	BPOW6-11-HYD-20241(	Water	bis(2-Chloroethyl)ether	2.400		0.03	0.11	ug/L
			Total Svoc :			**2.40**		
			Total Concentration:			**2.40**		
Client ID :	**RW7-SP100-20241002DL**							
P4282-01DL	RW7-SP100-20241002DI	Water	1,4-Dioxane	5.800	D	0.14	0.41	ug/L
			Total Svoc :			**5.80**		
			Total Concentration:			**5.80**		
Client ID :	**RW7-SP302-20241002**							
P4282-03	RW7-SP302-20241002	Water	1,4-Dioxane	0.080	J	0.07	0.21	ug/L
			Total Svoc :			**0.08**		
			Total Concentration:			**0.08**		
Client ID :	**BPOW6-11-HYD-20241008**							
P4365-01	BPOW6-11-HYD-20241(	Water	Naphthalene	0.030	J	0.02	0.1	ug/L
			Total Svoc :			**0.03**		
			Total Concentration:			**0.03**		
Client ID :	**DSN002**							
P4386-03	DSN002	Water	1,4-Dioxane	0.620		0.07	0.2	ug/L
			Total Svoc :			**0.62**		
			Total Concentration:			**0.62**		
Client ID :	**DSN003**							
P4386-04	DSN003	Water	1,4-Dioxane	0.800		0.07	0.2	ug/L
P4386-04	DSN003	Water	Pyrene	0.020	J	0.02	0.1	ug/L
			Total Svoc :			**0.82**		
			Total Concentration:			**0.82**		

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.: BN101124 SAS No.: BN101124 SDG NO.: BN101124

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Oct 11 2024 12:00AM

Lab File ID: BN034035.D Time Analyzed: 13:59

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	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	PB163903BL	4285	7.37	11473	10.13	6303	14.02
02	BPOW6-11-HYD-20241001RE	4037	7.37	10825	10.13	6085	14.02
03	RW7-SP302-20241002	3890	7.37	10037	10.14	5820	14.02
04	BP-TT189D2-GW-20240926DL	4488	7.37	12860	10.13	8346	14.02
05	RW7-SP100-20241002DL	3752	7.37	10492	10.14	6659	14.02
06	PB164072BL	4651	7.37	12810	10.14	7198	14.03
07	PB164072BS	3683	7.37	10158	10.12	5342 *	14.02
08	PB164072BSD	4159	7.37	11135	10.12	5901	14.02
09	BPOW6-11-HYD-20241008	3175 *	7.37	7927 *	10.13	4768 *	14.02
10	DSN002	3574	7.37	10243	10.12	5664	14.01
11	DSN003	3622	7.37	10886	10.12	6091	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.: BN101124 SAS No.: BN101124 SDG NO.: BN101124

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Oct 11 2024 12:00AM

Lab File ID: BN034552.D Time Analyzed: 13:59

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	4552	7.366	12678	10.12	7260	14.01
	UPPER LIMIT	9104	7.866	25356	10.616	14520	14.508
	LOWER LIMIT	2276	6.866	6339	9.616	3630	13.508
	EPA SAMPLE NO.						
01	PB163903BL	4285	7.37	11473	10.13	6303	14.02
02	BPOW6-11-HYD-20241001RE	4037	7.37	10825	10.13	6085	14.02
03	RW7-SP302-20241002	3890	7.37	10037	10.14	5820	14.02
04	BP-TT189D2-GW-20240926DL	4488	7.37	12860	10.13	8346	14.02
05	RW7-SP100-20241002DL	3752	7.37	10492	10.14	6659	14.02
06	PB164072BL	4651	7.37	12810	10.14	7198	14.03
07	PB164072BS	3683	7.37	10158	10.12	5342	14.02
08	PB164072BSD	4159	7.37	11135	10.12	5901	14.02
09	BPOW6-11-HYD-20241008	3175	7.37	7927	10.13	4768	14.02
10	DSN002	3574	7.37	10243	10.12	5664	14.01
11	DSN003	3622	7.37	10886	10.12	6091	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.: BN101124 SAS No.: BN101124 SDG NO.: BN101124

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Oct 11 2024 12:00AM

Lab File ID: BN034035.D Time Analyzed: 13:59

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

		IS4 (PHN) AREA #		RT #	IS5 (CRY) AREA #		RT #	IS6 (PRY) AREA #		RT #
	12 HOUR STD	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	PB163903BL	10680	*	16.79	6687	*	21.01	10014		23.11
02	BPOW6-11-HYD-20241001RE	10936	*	16.78	4789	*	21.01	8624	*	23.11
03	RW7-SP302-20241002	10479	*	16.78	6403	*	21.01	9770		23.11
04	BP-TT189D2-GW-20240926DL	16182		16.78	8051	*	21.01	11279		23.11
05	RW7-SP100-20241002DL	12028	*	16.78	6979	*	21.01	10316		23.11
06	PB164072BL	11872	*	16.80	7454	*	21.01	10379		23.11
07	PB164072BS	9370	*	16.78	4813	*	21.01	6818	*	23.11
08	PB164072BSD	10531	*	16.78	5060	*	21.01	7684	*	23.11
09	BPOW6-11-HYD-20241008	8910	*	16.78	5350	*	21.01	9918		23.11
10	DSN002	10430	*	16.77	3567	*	21.01	10493		23.10
11	DSN003	11221	*	16.78	5053	*	21.01	11608		23.10

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.: BN101124 SAS No.: BN101124 SDG NO.: BN101124

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Oct 11 2024 12:00AM

Lab File ID: BN034552.D Time Analyzed: 13:59

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	13989	16.771	4619	21.008	10885	23.107
	UPPER LIMIT	27978	17.271	9238	21.508	21770	23.607
	LOWER LIMIT	6994.5	16.271	2309.5	20.508	5442.5	22.607
	EPA SAMPLE NO.						
01	PB163903BL	10680	16.79	6687	21.01	10014	23.11
02	BPOW6-11-HYD-20241001RE	10936	16.78	4789	21.01	8624	23.11
03	RW7-SP302-20241002	10479	16.78	6403	21.01	9770	23.11
04	BP-TT189D2-GW-20240926DL	16182	16.78	8051	21.01	11279	23.11
05	RW7-SP100-20241002DL	12028	16.78	6979	21.01	10316	23.11
06	PB164072BL	11872	16.80	7454	21.01	10379	23.11
07	PB164072BS	9370	16.78	4813	21.01	6818	23.11
08	PB164072BSD	10531	16.78	5060	21.01	7684	23.11
09	BPOW6-11-HYD-20241008	8910	16.78	5350	21.01	9918	23.11
10	DSN002	10430	16.77	3567	21.01	10493	23.10
11	DSN003	11221	16.78	5053	21.01	11608	23.10

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.: BN101124

Client:

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164072BS	n-Nitrosodimethylamine	0.4	0.36	ug/L	90				33	130	
	bis(2-Chloroethyl)ether	0.4	0.31	ug/L	78				55	118	
	Naphthalene	0.4	0.39	ug/L	98				67	120	
	Hexachlorobutadiene	0.4	0.46	ug/L	115		*		33	114	
	2-Methylnaphthalene	0.4	0.37	ug/L	93				50	122	
	Acenaphthylene	0.4	0.38	ug/L	95				60	119	
	Acenaphthene	0.4	0.39	ug/L	98				65	119	
	Total PAH	6.4	6.55	ug/L	102				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	0.38	ug/L	95				20	150	
	Hexachlorobenzene	0.4	0.52	ug/L	130		*		62	127	
	Atrazine	0.4	0.33	ug/L	83				20	150	
	Pentachlorophenol	0.8	0.56	ug/L	70				10	137	
	Phenanthrene	0.4	0.4	ug/L	100				65	117	
	Anthracene	0.4	0.37	ug/L	93				57	118	
	Fluoranthene	0.4	0.35	ug/L	88				53	126	
	Pyrene	0.4	0.57	ug/L	143		*		54	124	
	Benzo(a)anthracene	0.4	0.13	ug/L	33		*		54	130	
	Chrysene	0.4	0.58	ug/L	145		*		64	126	
	bis(2-Ethylhexyl)phthalate	0.4		ug/L	0		*		40	137	
	Benzo(b)fluoranthene	0.4	0.36	ug/L	90				65	121	
	Benzo(k)fluoranthene	0.4	0.42	ug/L	105				72	119	
	Benzo(a)pyrene	0.4	0.45	ug/L	113				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.47	ug/L	117				70	127	
	Dibenz(a,h)anthracene	0.4	0.46	ug/L	115				65	121	
	Benzo(g,h,i)perylene	0.4	0.48	ug/L	120		*		76	117	
	1,4-Dioxane	0.4	0.37	ug/L	93				42	127	
PB164072BSD	n-Nitrosodimethylamine	0.4	0.34	ug/L	85				33	130	20
	bis(2-Chloroethyl)ether	0.4	0.32	ug/L	80				55	118	20
	Naphthalene	0.4	0.39	ug/L	98				67	120	20
	Hexachlorobutadiene	0.4	0.45	ug/L	113				33	114	20
	2-Methylnaphthalene	0.4	0.36	ug/L	90				50	122	20
	Acenaphthylene	0.4	0.38	ug/L	95				60	119	20
	Acenaphthene	0.4	0.38	ug/L	95				65	119	20
	Total PAH	6.4	6.54	ug/L	102				65	119	20
	Fluorene	0.4	0.34	ug/L	85				58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.17	ug/L	43				20	150	20
	4-Bromophenyl-phenylether	0.4	0.37	ug/L	93				20	150	20
	Hexachlorobenzene	0.4	0.51	ug/L	128		*		62	127	20
	Atrazine	0.4	0.33	ug/L	83				20	150	20
	Pentachlorophenol	0.8	0.55	ug/L	69				10	137	20
	Phenanthrene	0.4	0.39	ug/L	98				65	117	20
	Anthracene	0.4	0.37	ug/L	93				57	118	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN101124

Client:

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164072BSD	Fluoranthene	0.4	0.35	ug/L	88				53	126	20
	Pyrene	0.4	0.59	ug/L	147		*		54	124	20
	Benzo(a)anthracene	0.4	0.08	ug/L	20		*		54	130	20
	Chrysene	0.4	0.65	ug/L	162		*		64	126	20
	bis(2-Ethylhexyl)phthalate	0.4		ug/L	0		*		40	137	20
	Benzo(b)fluoranthene	0.4	0.37	ug/L	93				65	121	20
	Benzo(k)fluoranthene	0.4	0.41	ug/L	103				72	119	20
	Benzo(a)pyrene	0.4	0.43	ug/L	108				68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.47	ug/L	117				70	127	20
	Dibenz(a,h)anthracene	0.4	0.46	ug/L	115				65	121	20
	Benzo(g,h,i)perylene	0.4	0.48	ug/L	120		*		76	117	20
	1,4-Dioxane	0.4	0.34	ug/L	85				42	127	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163903BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN101124 SAS No.: BN101124 SDG NO.: BN101124

Lab File ID: BN034553.D Lab Sample ID: PB163903BL

Instrument ID: BNA_N Date Extracted: 10/04/2024

Matrix: (soil/water) Water Date Analyzed: 10/11/2024

Level: (low/med) LOW Time Analyzed: 13:59

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RW7-SP302-20241002	P4282-03	BN034555.D	10/11/2024

COMMENTS:

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164072BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN101124 SAS No.: BN101124 SDG NO.: BN101124

Lab File ID: BN034558.D Lab Sample ID: PB164072BL

Instrument ID: BNA_N Date Extracted: 10/11/2024

Matrix: (soil/water) Water Date Analyzed: 10/11/2024

Level: (low/med) LOW Time Analyzed: 16:59

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164072BS	PB164072BS	BN034559.D	10/11/2024
PB164072BSD	PB164072BSD	BN034560.D	10/11/2024
BPOW6-11-HYD-20241008	P4365-01	BN034561.D	10/11/2024
DSN002	P4386-03	BN034562.D	10/11/2024
DSN003	P4386-04	BN034563.D	10/11/2024

COMMENTS:

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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BN101124

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4241-02DL	BP-TT189D2-GW-2	BN034556.D	2-Methylnaphthalene-d10	0.4	0.25	63		20	139
			Fluoranthene-d10	0.4	0.30	76		30	150
			2-Fluorophenol	0.4	0.08	19		10	100
			Phenol-d6	0.4	0.03	7	*	10	100
			Nitrobenzene-d5	0.4	0.21	51		27	123
			2-Fluorobiphenyl	0.4	0.24	59		34	132
			2,4,6-Tribromophenol	0.4	0.18	44		10	131
			Terphenyl-d14	0.4	0.58	144		35	157

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Surrogate Summary

SW-846

SDG No.: BN101124

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4267-01RE	BPOW6-11-HYD-2	BN034554.D	2-Methylnaphthalene-d10	0.4	0.06	16	*	20	139
			Fluoranthene-d10	0.4	0.40	99		30	150
			2-Fluorophenol	0.4	0.12	29		10	100
			Phenol-d6	0.4	0.00	0	*	10	100
			Nitrobenzene-d5	0.4	0.26	66		27	123
			2-Fluorobiphenyl	0.4	0.33	82		34	132
			2,4,6-Tribromophenol	0.4	0.28	70		10	131
			Terphenyl-d14	0.4	0.98	245	*	35	157

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Surrogate Summary

SW-846

SDG No.: BN101124

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4282-01DL	RW7-SP100-20241(	BN034557.D	2-Methylnaphthalene-d10	0.4	0.29	73		20	139
			Fluoranthene-d10	0.4	0.40	100		30	150
			2-Fluorophenol	0.4	0.12	31		10	100
			Phenol-d6	0.4	0.05	12		10	100
			Nitrobenzene-d5	0.4	0.23	58		27	123
			2-Fluorobiphenyl	0.4	0.25	63		34	132
			2,4,6-Tribromophenol	0.4	0.20	50		10	131
			Terphenyl-d14	0.4	0.82	206	*	35	157
P4282-03	RW7-SP302-20241(	BN034555.D	2-Methylnaphthalene-d10	0.4	0.34	84		20	139
			Fluoranthene-d10	0.4	0.45	112		30	150
			2-Fluorophenol	0.4	0.12	31		10	100
			Phenol-d6	0.4	0.05	12		10	100
			Nitrobenzene-d5	0.4	0.31	78		27	123
			2-Fluorobiphenyl	0.4	0.32	80		34	132
			2,4,6-Tribromophenol	0.4	0.13	33		10	131
			Terphenyl-d14	0.4	0.73	183	*	35	157
PB163903BL	PB163903BL	BN034553.D	2-Methylnaphthalene-d10	0.4	0.35	88		20	139
			Fluoranthene-d10	0.4	0.39	96		30	150
			2-Fluorophenol	0.4	0.33	83		10	100
			Phenol-d6	0.4	0.26	64		10	100
			Nitrobenzene-d5	0.4	0.30	75		27	123
			2-Fluorobiphenyl	0.4	0.30	74		34	132
			2,4,6-Tribromophenol	0.4	0.14	35		10	131
			Terphenyl-d14	0.4	0.52	130		35	157

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Surrogate Summary

SW-846

SDG No.: BN101124

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4365-01	BPOW6-11-HYD-2	BN034561.D	2-Methylnaphthalene-d10	0.4	0.04	10	*	20	139
			Fluoranthene-d10	0.4	0.44	109		30	150
			2-Fluorophenol	0.4	0.06	16		10	100
			Phenol-d6	0.4	0.00	1	*	10	100
			Nitrobenzene-d5	0.4	0.28	70		27	123
			2-Fluorobiphenyl	0.4	0.27	68		34	132
			2,4,6-Tribromophenol	0.4	0.19	47		10	131
			Terphenyl-d14	0.4	0.72	179	*	35	157
P4386-03	DSN002	BN034562.D	2-Methylnaphthalene-d10	0.4	0.37	92		20	139
			Fluoranthene-d10	0.4	0.44	109		30	150
			2-Fluorophenol	0.4	0.22	54		10	100
			Phenol-d6	0.4	0.13	33		10	100
			Nitrobenzene-d5	0.4	0.30	75		27	123
			2-Fluorobiphenyl	0.4	0.33	82		34	132
			2,4,6-Tribromophenol	0.4	0.38	96		10	131
			Terphenyl-d14	0.4	1.10	275	*	35	157
P4386-04	DSN003	BN034563.D	2-Methylnaphthalene-d10	0.4	0.41	101		20	139
			Fluoranthene-d10	0.4	0.47	117		30	150
			2-Fluorophenol	0.4	0.24	60		10	100
			Phenol-d6	0.4	0.14	35		10	100
			Nitrobenzene-d5	0.4	0.33	82		27	123
			2-Fluorobiphenyl	0.4	0.36	89		34	132
			2,4,6-Tribromophenol	0.4	0.45	113		10	131
			Terphenyl-d14	0.4	0.92	229	*	35	157
PB164072BL	PB164072BL	BN034558.D	2-Methylnaphthalene-d10	0.4	0.26	64		20	139
			Fluoranthene-d10	0.4	0.27	68		30	150
			2-Fluorophenol	0.4	0.25	62		10	100
			Phenol-d6	0.4	0.19	46		10	100
			Nitrobenzene-d5	0.4	0.22	55		27	123
			2-Fluorobiphenyl	0.4	0.20	50		34	132
			2,4,6-Tribromophenol	0.4	0.14	35		10	131
			Terphenyl-d14	0.4	0.35	87		35	157
PB164072BS	PB164072BS	BN034559.D	2-Methylnaphthalene-d10	0.4	0.61	151	*	20	139
			Fluoranthene-d10	0.4	0.36	90		30	150
			2-Fluorophenol	0.4	0.31	78		10	100
			Phenol-d6	0.4	0.26	65		10	100
			Nitrobenzene-d5	0.4	0.30	76		27	123
			2-Fluorobiphenyl	0.4	0.35	87		34	132
			2,4,6-Tribromophenol	0.4	0.26	66		10	131
			Terphenyl-d14	0.4	0.56	140		35	157
PB164072BSD	PB164072BSD	BN034560.D	2-Methylnaphthalene-d10	0.4	0.60	149	*	20	139
			Fluoranthene-d10	0.4	0.35	88		30	150
			2-Fluorophenol	0.4	0.32	80		10	100
			Phenol-d6	0.4	0.26	66		10	100
			Nitrobenzene-d5	0.4	0.31	77		27	123
			2-Fluorobiphenyl	0.4	0.34	84		34	132
			2,4,6-Tribromophenol	0.4	0.26	64		10	131
			Terphenyl-d14	0.4	0.58	146		35	157

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN101124

Lab Code: CHEM SAS No.: BN101124 SDG NO.: BN101124

Lab File ID: BN034551.D DFTPP Injection Date: 10/11/2024

Instrument ID: BNA_N DFTPP Injection Time: 11:07

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.1
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.6
197	Less than 2.0% of mass 198	0.2
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	26.7
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	11.4
442	Greater than 50% of mass 198	74
443	15.0 - 24.0% of mass 442	14.8 (20) 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	BN034552.D	10/11/2024	13:23
PB163903BL	PB163903BL	BN034553.D	10/11/2024	13:59
BPOW6-11-HYD-20241001RE	P4267-01RE	BN034554.D	10/11/2024	14:35
RW7-SP302-20241002	P4282-03	BN034555.D	10/11/2024	15:11
BP-TT189D2-GW-20240926DL	P4241-02DL	BN034556.D	10/11/2024	15:47
RW7-SP100-20241002DL	P4282-01DL	BN034557.D	10/11/2024	16:23
PB164072BL	PB164072BL	BN034558.D	10/11/2024	16:59
PB164072BS	PB164072BS	BN034559.D	10/11/2024	17:35
PB164072BSD	PB164072BSD	BN034560.D	10/11/2024	18:11
BPOW6-11-HYD-20241008	P4365-01	BN034561.D	10/11/2024	18:47
DSN002	P4386-03	BN034562.D	10/11/2024	19:23
DSN003	P4386-04	BN034563.D	10/11/2024	19:59