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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN112524 SAS No.: BN112524 SDG No.: BN112524

Instrument ID: BNA_N Calibration Date/Time: 11/25/2024 1 19:20

Lab File ID: BN035291.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	0.560	0.573		2.321	50.0
Fluoranthene-d10	1.070	0.869		-18.785	50.0
n-Nitrosodimethylamine	0.298	0.268		-10.067	50.0
2-Fluorophenol	0.756	0.966		27.778	50.0
Phenol-d6	1.056	1.244		17.803	50.0
bis(2-Chloroethyl)ether	0.889	0.975		9.674	50.0
Nitrobenzene-d5	0.324	0.194		-40.123	50.0
Naphthalene	1.110	1.075		-3.153	50.0
Hexachlorobutadiene	0.312	0.260		-16.667	50.0
2-Methylnaphthalene	0.726	0.704		-3.03	50.0
2-Fluorobiphenyl	0.221	0.144		-34.842	50.0
Acenaphthylene	2.013	1.671		-16.99	50.0
Acenaphthene	1.267	1.122		-11.444	50.0
Fluorene	1.777	1.459		-17.895	50.0
4,6-Dinitro-2-methylphenol	0.041	0.030		-26.829	50.0
2,4,6-Tribromophenol	0.204	0.172		-15.686	50.0
4-Bromophenyl-phenylether	0.254	0.259		1.969	50.0
Hexachlorobenzene	0.363	0.317		-12.672	50.0
Atrazine	0.107	0.104		-2.804	50.0
Pentachlorophenol	0.087	0.080		-8.046	50.0
Phenanthrene	1.229	1.101		-10.415	50.0
Anthracene	1.055	0.920		-12.796	50.0
Fluoranthene	1.550	1.149		-25.871	50.0
Pyrene	14.551	16.332		12.24	50.0
Terphenyl-d14	7.392	8.425		13.975	50.0
Benzo(a)anthracene	13.920	14.675		5.424	50.0
Chrysene	13.920	14.675		5.424	50.0
Bis(2-ethylhexyl)phthalate	0.765	0.827		8.105	50.0
Benzo(b)fluoranthene	1.738	1.360		-21.749	50.0
Benzo(k)fluoranthene	1.839	1.507		-18.053	50.0
Benzo(a)pyrene	1.329	1.163		-12.491	50.0
Indeno(1,2,3-cd)pyrene	1.638	1.612		-1.587	50.0
Dibenzo(a,h)anthracene	1.238	1.235		-0.242	50.0
Benzo(g,h,i)perylene	1.432	1.405		-1.885	50.0
1,4-Dioxane	0.288	0.380		31.944	50.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN112524 SAS No.: BN112524 SDG No.: BN112524

Instrument ID: BNA_N Calibration Date/Time: 11/25/2024 1 23:02

Lab File ID: BN035293.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	0.560	0.590		5.357	20.0
Fluoranthene-d10	1.070	0.923		-13.738	20.0
n-Nitrosodimethylamine	0.298	0.294		-1.342	20.0
2-Fluorophenol	0.756	0.976		29.101	20.0
Phenol-d6	1.056	1.259		19.223	20.0
bis(2-Chloroethyl)ether	0.889	0.969		8.999	20.0
Nitrobenzene-d5	0.324	0.198		-38.889	20.0
Naphthalene	1.110	1.069		-3.694	20.0
Hexachlorobutadiene	0.312	0.250		-19.872	20.0
2-Methylnaphthalene	0.726	0.729		0.413	20.0
2-Fluorobiphenyl	0.221	0.145		-34.389	20.0
Acenaphthylene	2.013	1.657		-17.685	20.0
Acenaphthene	1.267	1.115		-11.997	20.0
Fluorene	1.777	1.497		-15.757	20.0
4,6-Dinitro-2-methylphenol	0.041	0.029		-29.268	20.0
2,4,6-Tribromophenol	0.204	0.212		3.922	20.0
4-Bromophenyl-phenylether	0.254	0.245		-3.543	20.0
Hexachlorobenzene	0.363	0.300		-17.355	20.0
Atrazine	0.107	0.114		6.542	20.0
Pentachlorophenol	0.087	0.091		4.598	20.0
Phenanthrene	1.229	1.093		-11.066	20.0
Anthracene	1.055	0.948		-10.142	20.0
Fluoranthene	1.550	1.227		-20.839	20.0
Pyrene	14.551	16.043		10.254	20.0
Terphenyl-d14	7.392	8.364		13.149	20.0
Benzo(a)anthracene	13.920	12.054		-13.405	20.0
Chrysene	13.920	12.054		-13.405	20.0
Bis(2-ethylhexyl)phthalate	0.765	0.446		-41.699	20.0
Benzo(b)fluoranthene	1.738	1.371		-21.116	20.0
Benzo(k)fluoranthene	1.839	1.483		-19.358	20.0
Benzo(a)pyrene	1.329	1.160		-12.716	20.0
Indeno(1,2,3-cd)pyrene	1.638	1.577		-3.724	20.0
Dibenzo(a,h)anthracene	1.238	1.191		-3.796	20.0
Benzo(g,h,i)perylene	1.432	1.350		-5.726	20.0
1,4-Dioxane	0.288	0.361		25.347	20.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN112524 SAS No.: BN112524 SDG No.: BN112524

Instrument ID: BNA_N Calibration Date/Time: 11/26/2024 1 03:14

Lab File ID: BN035300.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	0.560	0.555		-0.893	50.0
Fluoranthene-d10	1.070	0.944		-11.776	50.0
n-Nitrosodimethylamine	0.298	0.288		-3.356	50.0
2-Fluorophenol	0.756	1.011		33.73	50.0
Phenol-d6	1.056	1.202		13.826	50.0
bis(2-Chloroethyl)ether	0.889	0.966		8.661	50.0
Nitrobenzene-d5	0.324	0.212		-34.568	50.0
Naphthalene	1.110	1.061		-4.414	50.0
Hexachlorobutadiene	0.312	0.250		-19.872	50.0
2-Methylnaphthalene	0.726	0.673		-7.3	50.0
2-Fluorobiphenyl	0.221	0.171		-22.624	50.0
Acenaphthylene	2.013	1.650		-18.033	50.0
Acenaphthene	1.267	1.103		-12.944	50.0
Fluorene	1.777	1.411		-20.597	50.0
4,6-Dinitro-2-methylphenol	0.041	0.036		-12.195	50.0
2,4,6-Tribromophenol	0.204	0.208		1.961	50.0
4-Bromophenyl-phenylether	0.254	0.250		-1.575	50.0
Hexachlorobenzene	0.363	0.304		-16.253	50.0
Atrazine	0.107	0.115		7.477	50.0
Pentachlorophenol	0.087	0.098		12.644	50.0
Phenanthrene	1.229	1.093		-11.066	50.0
Anthracene	1.055	0.942		-10.711	50.0
Fluoranthene	1.550	1.236		-20.258	50.0
Pyrene	14.551	12.765		-12.274	50.0
Terphenyl-d14	7.392	6.672		-9.74	50.0
Benzo(a)anthracene	13.920	11.897		-14.533	50.0
Chrysene	13.920	11.897		-14.533	50.0
Bis(2-ethylhexyl)phthalate	0.765	0.684		-10.588	50.0
Benzo(b)fluoranthene	1.738	1.311		-24.568	50.0
Benzo(k)fluoranthene	1.839	1.441		-21.642	50.0
Benzo(a)pyrene	1.329	1.120		-15.726	50.0
Indeno(1,2,3-cd)pyrene	1.638	1.541		-5.922	50.0
Dibenzo(a,h)anthracene	1.238	1.195		-3.473	50.0
Benzo(g,h,i)perylene	1.432	1.331		-7.053	50.0
1,4-Dioxane	0.288	0.391		35.764	50.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN112524 SAS No.: BN112524 SDG No.: BN112524

Instrument ID: BNA_N Calibration Date/Time: 11/25/2024 11:28

Lab File ID: BN035279.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC0.4 Init. Calib. Time(s):

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.560	0.539		-3.75	20.0
Fluoranthene-d10	1.070	0.967		-9.626	20.0
n-Nitrosodimethylamine	0.298	0.284		-4.698	20.0
2-Fluorophenol	0.756	0.789		4.365	20.0
Phenol-d6	1.056	1.105		4.64	20.0
bis(2-Chloroethyl)ether	0.889	0.896		0.787	20.0
Nitrobenzene-d5	0.324	0.347		7.099	20.0
Naphthalene	1.110	1.091		-1.712	20.0
Hexachlorobutadiene	0.312	0.312		0.0	20.0
2-Methylnaphthalene	0.726	0.680		-6.336	20.0
2-Fluorobiphenyl	0.221	0.245		10.86	20.0
Acenaphthylene	2.013	1.885		-6.359	20.0
Acenaphthene	1.267	1.176		-7.182	20.0
Fluorene	1.777	1.634		-8.047	20.0
4,6-Dinitro-2-methylphenol	0.041	0.034		-17.073	20.0
2,4,6-Tribromophenol	0.204	0.180		-11.765	20.0
4-Bromophenyl-phenylether	0.254	0.235		-7.48	20.0
Hexachlorobenzene	0.363	0.352		-3.03	20.0
Atrazine	0.107	0.100		-6.542	20.0
Pentachlorophenol	0.087	0.079		-9.195	20.0
Phenanthrene	1.229	1.131		-7.974	20.0
Anthracene	1.055	0.911		-13.649	20.0
Fluoranthene	1.550	1.340		-13.548	20.0
Pyrene	14.551	15.285		5.044	20.0
Terphenyl-d14	7.392	7.259		-1.799	20.0
Benzo(a)anthracene	13.920	13.823		-0.697	20.0
Chrysene	13.920	13.823		-0.697	20.0
Bis(2-ethylhexyl)phthalate	0.765	0.910		18.954	20.0
Benzo(b)fluoranthene	1.738	1.452		-16.456	20.0
Benzo(k)fluoranthene	1.839	1.632		-11.256	20.0
Benzo(a)pyrene	1.329	1.143		-13.995	20.0
Indeno(1,2,3-cd)pyrene	1.638	1.523		-7.021	20.0
Dibenzo(a,h)anthracene	1.238	1.107		-10.582	20.0
Benzo(g,h,i)perylene	1.432	1.241		-13.338	20.0
1,4-Dioxane	0.288	0.287		-0.347	20.0

All other compounds must meet a minimum RRF of 0.010.

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBN112524		SDG No.:	BN112524	
Lab Sample ID:	SSTDICV0.4		Matrix:	Water	
Analytical Method:	8270-Modified		% Moisture:	100	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	1000000	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
BN035284.D	1		11/25/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	430		30	200	200	ug/L
111-44-4	bis(2-Chloroethyl)ether	380		28	100	100	ug/L
91-20-3	Naphthalene	390		24	100	100	ug/L
87-68-3	Hexachlorobutadiene	440		26	100	100	ug/L
91-57-6	2-Methylnaphthalene	330		30	100	100	ug/L
208-96-8	Acenaphthylene	390		21	100	100	ug/L
83-32-9	Acenaphthene	380		20	100	100	ug/L
Total PAH	Total PAH	5600		456	100	1600	ug/L
86-73-7	Fluorene	360		18	100	100	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	480		140	200	200	ug/L
101-55-3	4-Bromophenyl-phenylether	360		26	100	100	ug/L
118-74-1	Hexachlorobenzene	490		29	100	100	ug/L
1912-24-9	Atrazine	420		23	100	100	ug/L
87-86-5	Pentachlorophenol	410		90	200	200	ug/L
85-01-8	Phenanthrene	360		20	100	100	ug/L
120-12-7	Anthracene	320		24	100	100	ug/L
206-44-0	Fluoranthene	300		23	100	100	ug/L
129-00-0	Pyrene	290		22	100	100	ug/L
56-55-3	Benzo(a)anthracene	270		22	100	100	ug/L
218-01-9	Chrysene	270		26	100	100	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	200	200	ug/L
205-99-2	Benzo(b)fluoranthene	360		32	100	100	ug/L
207-08-9	Benzo(k)fluoranthene	350		34	100	100	ug/L
50-32-8	Benzo(a)pyrene	360		56	100	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	400		38	100	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	390		39	100	100	ug/L
191-24-2	Benzo(g,h,i)perylene	410		37	100	100	ug/L
123-91-1	1,4-Dioxane	380		68	200	200	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBN112524			SDG No.:	BN112524
Lab Sample ID:	SSTDICV0.4			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000 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
BN035284.D	1		11/25/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	337	*	20-139		84250	SPK: -0.4
93951-69-0	Fluoranthene-d10	343	*	30-150		85750	SPK: -0.4
367-12-4	2-Fluorophenol	360	*	10-100		90000	SPK: -0.4
13127-88-3	Phenol-d6	348	*	10-100		87000	SPK: -0.4
4165-60-0	Nitrobenzene-d5	469	*	27-123		117250	SPK: -0.4
321-60-8	2-Fluorobiphenyl	465	*	34-132		116250	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	402	*	10-131		100500	SPK: -0.4
1718-51-0	Terphenyl-d14	282	*	35-157		70500	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2519	7.315				
1146-65-2	Naphthalene-d8	5593	10.063				
15067-26-2	Acenaphthene-d10	2659	13.976				
1517-22-2	Phenanthrene-d10	5748	16.734				
1719-03-5	Chrysene-d12	611	21.008				
1520-96-3	Perylene-d12	3470	23.081				

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Report of Analysis

Client:				Date Collected:	11/21/2024 12:00:00 AM
Project:				Date Received:	11/21/2024 12:00:00 AM
Client Sample ID:	PB165150BL			SDG No.:	BN112524
Lab Sample ID:	PB165150BL			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
BN035285.D	1	11/21/2024 12:00:00 AM	11/25/2024 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:	11/21/2024 12:00:00 AM
Project:				Date Received:	11/21/2024 12:00:00 AM
Client Sample ID:	PB165150BL			SDG No.:	BN112524
Lab Sample ID:	PB165150BL			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
BN035285.D	1	11/21/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.378		20-139		94	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.326		30-150		81	SPK: -0.4
367-12-4	2-Fluorophenol	0.375		10-100		94	SPK: -0.4
13127-88-3	Phenol-d6	0.366		10-100		91	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.198		27-123		50	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.73	*	34-132		183	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.068		10-131		17	SPK: -0.4
1718-51-0	Terphenyl-d14	0.316		35-157		79	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3592	7.315				
1146-65-2	Naphthalene-d8	7815	10.063				
15067-26-2	Acenaphthene-d10	3951	13.976				
1517-22-2	Phenanthrene-d10	8151	16.734				
1719-03-5	Chrysene-d12	804	21.008				
1520-96-3	Perylene-d12	4507	23.081				

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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:	BPOW6-11-20241118			SDG No.:	BN112524
Lab Sample ID:	P4934-02			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
BN035286.D	1	11/21/2024 12:00:00 AM	11/25/2024 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	0.21	0.21	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.02	U	0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.1	0.1	ug/L
Total PAH	Total PAH	0.46	U	0.46	0.1	1.6	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.21	0.21	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.09	U	0.09	0.21	0.21	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.02	U	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.14	U	0.14	0.21	0.21	ug/L
205-99-2	Benzo(b)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.07	U	0.07	0.21	0.21	ug/L

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Report of Analysis

Client:				Date Collected:	11/18/2024 12:00:00 AM
Project:				Date Received:	11/18/2024 12:00:00 AM
Client Sample ID:	BPOW6-11-20241118			SDG No.:	BN112524
Lab Sample ID:	P4934-02			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
BN035286.D	1	11/21/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.355		20-139		89	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.436		30-150		109	SPK: -0.4
367-12-4	2-Fluorophenol	0.132		10-100		33	SPK: -0.4
13127-88-3	Phenol-d6	0.077		10-100		19	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.177		27-123		44	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.25		34-132		63	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.225		10-131		56	SPK: -0.4
1718-51-0	Terphenyl-d14	0.62		35-157		155	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3259	7.315				
1146-65-2	Naphthalene-d8	7991	10.063				
15067-26-2	Acenaphthene-d10	4583	13.976				
1517-22-2	Phenanthrene-d10	10715	16.734				
1719-03-5	Chrysene-d12	870	21.008				
1520-96-3	Perylene-d12	5339	23.078				

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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:	BPOW6-10-20241118			SDG No.:	BN112524
Lab Sample ID:	P4934-05			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035287.D	1	11/21/2024 12:00:00 AM	11/25/2024 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:	BPOW6-10-20241118			SDG No.:	BN112524
Lab Sample ID:	P4934-05			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035287.D	1	11/21/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165150

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	0.405		30-150		101	SPK: -0.4
367-12-4	2-Fluorophenol	0.228		10-100		57	SPK: -0.4
13127-88-3	Phenol-d6	0.132		10-100		33	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.191		27-123		48	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.271		34-132		68	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.235		10-131		59	SPK: -0.4
1718-51-0	Terphenyl-d14	0.755	*	35-157		189	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3377	7.315				
1146-65-2	Naphthalene-d8	8188	10.063				
15067-26-2	Acenaphthene-d10	4836	13.966				
1517-22-2	Phenanthrene-d10	10344	16.734				
1719-03-5	Chrysene-d12	824	21.008				
1520-96-3	Perylene-d12	5052	23.081				

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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:	BPOW6-10-20241118MS	SDG No.:	BN112524
Lab Sample ID:	P4934-06MS	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
BN035288.D	1	11/21/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.13	J	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.37		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.32		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.24		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.34		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.31		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.32		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.88		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.31		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.37		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.36		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.29		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.38		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.31		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.35		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.35		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.31		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.51		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.39		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.39		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.41		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.34		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.37		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.4		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.41		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.41		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.39		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.2		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:	BPOW6-10-20241118MS			SDG No.:	BN112524
Lab Sample ID:	P4934-06MS			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
BN035288.D	1	11/21/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.386		20-139		97	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.381		30-150		95	SPK: -0.4
367-12-4	2-Fluorophenol	0.226		10-100		56	SPK: -0.4
13127-88-3	Phenol-d6	0.142		10-100		36	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.201		27-123		50	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.146		34-132		36	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.247		10-131		62	SPK: -0.4
1718-51-0	Terphenyl-d14	0.768	*	35-157		192	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3628	7.315				
1146-65-2	Naphthalene-d8	8728	10.063				
15067-26-2	Acenaphthene-d10	5209	13.966				
1517-22-2	Phenanthrene-d10	11399	16.734				
1719-03-5	Chrysene-d12	743	21.008				
1520-96-3	Perylene-d12	5613	23.078				

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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:	BPOW6-10-20241118MSD			SDG No.:	BN112524
Lab Sample ID:	P4934-07MSD			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
BN035289.D	1	11/21/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.14	J	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.4		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.34		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.25		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	0.33		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.34		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.43		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.33		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.4		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.39		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.31		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.41		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.38		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.38		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.38		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	0.46		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.46		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.56		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.38		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.39		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.43		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.43		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.43		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.41		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.22		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:	BPOW6-10-20241118MSD			SDG No.:	BN112524
Lab Sample ID:	P4934-07MSD			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
BN035289.D	1	11/21/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165150

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	0.425		30-150		106	SPK: -0.4
367-12-4	2-Fluorophenol	0.239		10-100		60	SPK: -0.4
13127-88-3	Phenol-d6	0.154		10-100		38	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.205		27-123		51	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.261		34-132		65	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.278		10-131		69	SPK: -0.4
1718-51-0	Terphenyl-d14	0.866	*	35-157		216	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3339	7.315				
1146-65-2	Naphthalene-d8	8134	10.063				
15067-26-2	Acenaphthene-d10	4891	13.973				
1517-22-2	Phenanthrene-d10	10884	16.741				
1719-03-5	Chrysene-d12	706	21.006				
1520-96-3	Perylene-d12	5495	23.078				

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Report of Analysis

Client:				Date Collected:	11/21/2024 12:00:00 AM
Project:				Date Received:	11/21/2024 12:00:00 AM
Client Sample ID:	PB165150BS			SDG No.:	BN112524
Lab Sample ID:	PB165150BS			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
BN035290.D	1	11/21/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165150

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	0.44		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.36		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.3		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	0.33		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.34		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.47		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.31		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.38		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	0.32		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.36		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.34		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.34		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.35		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.28		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.38		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.33		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.33		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.4		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.31		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.33		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.36		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.38		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.38		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.36		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.45		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	11/21/2024 12:00:00 AM
Project:				Date Received:	11/21/2024 12:00:00 AM
Client Sample ID:	PB165150BS			SDG No.:	BN112524
Lab Sample ID:	PB165150BS			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
BN035290.D	1	11/21/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165150

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.483		20-139		121	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.348		30-150		87	SPK: -0.4
367-12-4	2-Fluorophenol	0.437	*	10-100		109	SPK: -0.4
13127-88-3	Phenol-d6	0.378		10-100		94	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.229		27-123		57	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.273		34-132		68	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.22		10-131		55	SPK: -0.4
1718-51-0	Terphenyl-d14	0.461		35-157		115	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3630	7.315				
1146-65-2	Naphthalene-d8	8519	10.063				
15067-26-2	Acenaphthene-d10	4791	13.966				
1517-22-2	Phenanthrene-d10	9614	16.734				
1719-03-5	Chrysene-d12	730	21.008				
1520-96-3	Perylene-d12	5488	23.081				

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Report of Analysis

Client:				Date Collected:	11/22/2024 12:00:00 AM
Project:				Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	PB165198BL			SDG No.:	BN112524
Lab Sample ID:	PB165198BL			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
BN035294.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165198

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:	11/22/2024 12:00:00 AM
Project:				Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	PB165198BL			SDG No.:	BN112524
Lab Sample ID:	PB165198BL			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
BN035294.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.444		20-139		111	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.376		30-150		94	SPK: -0.4
367-12-4	2-Fluorophenol	0.428	*	10-100		107	SPK: -0.4
13127-88-3	Phenol-d6	0.371		10-100		93	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.241		27-123		60	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.575	*	34-132		144	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.209		10-131		52	SPK: -0.4
1718-51-0	Terphenyl-d14	0.459		35-157		115	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3303	7.315				
1146-65-2	Naphthalene-d8	8185	10.063				
15067-26-2	Acenaphthene-d10	5200	13.966				
1517-22-2	Phenanthrene-d10	11250	16.734				
1719-03-5	Chrysene-d12	951	21.008				
1520-96-3	Perylene-d12	5935	23.078				

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Report of Analysis

Client:				Date Collected:	11/22/2024 12:00:00 AM
Project:				Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	PB165198BS			SDG No.:	BN112524
Lab Sample ID:	PB165198BS			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
BN035295.D	1	11/22/2024 12:00:00 AM	11/26/2024 12:00:00 AM	PB165198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.41		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.51		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.41		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.34		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.42		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.39		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	6.26		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.36		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.41		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.43		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.36		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.48		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.68		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	0.41		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	0.41		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.36		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.36		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.41		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.35		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.38		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.42		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.44		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.45		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.42		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.49		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	11/22/2024 12:00:00 AM
Project:				Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	PB165198BS			SDG No.:	BN112524
Lab Sample ID:	PB165198BS			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
BN035295.D	1	11/22/2024 12:00:00 AM	11/26/2024 12:00:00 AM	PB165198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.564	*	20-139		141	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.401		30-150		100	SPK: -0.4
367-12-4	2-Fluorophenol	0.533	*	10-100		133	SPK: -0.4
13127-88-3	Phenol-d6	0.453	*	10-100		113	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.279		27-123		70	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.341		34-132		85	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.296		10-131		74	SPK: -0.4
1718-51-0	Terphenyl-d14	0.492		35-157		123	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3266	7.315				
1146-65-2	Naphthalene-d8	7687	10.063				
15067-26-2	Acenaphthene-d10	4428	13.973				
1517-22-2	Phenanthrene-d10	8857	16.741				
1719-03-5	Chrysene-d12	724	21.006				
1520-96-3	Perylene-d12	5297	23.079				

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Report of Analysis

Client:				Date Collected:	11/22/2024 12:00:00 AM
Project:				Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	PB165198BSD			SDG No.:	BN112524
Lab Sample ID:	PB165198BSD			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
BN035296.D	1	11/22/2024 12:00:00 AM	11/26/2024 12:00:00 AM	PB165198

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	0.43		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.37		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.3		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	0.34		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.34		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.46		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.31		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.38		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	0.32		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.41		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.58		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.34		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.35		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.27		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.35		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.31		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.31		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.42		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.32		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.32		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.37		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.39		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.4		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.37		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.46		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	11/22/2024 12:00:00 AM
Project:				Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	PB165198BSD			SDG No.:	BN112524
Lab Sample ID:	PB165198BSD			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
BN035296.D	1	11/22/2024 12:00:00 AM	11/26/2024 12:00:00 AM	PB165198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.512		20-139		128	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.337		30-150		84	SPK: -0.4
367-12-4	2-Fluorophenol	0.454	*	10-100		113	SPK: -0.4
13127-88-3	Phenol-d6	0.387		10-100		97	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.25		27-123		63	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.265		34-132		66	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.249		10-131		62	SPK: -0.4
1718-51-0	Terphenyl-d14	0.423		35-157		106	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3443	7.315				
1146-65-2	Naphthalene-d8	7928	10.063				
15067-26-2	Acenaphthene-d10	4552	13.966				
1517-22-2	Phenanthrene-d10	8773	16.734				
1719-03-5	Chrysene-d12	703	21.008				
1520-96-3	Perylene-d12	5371	23.078				

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Report of Analysis

Client:				Date Collected:	11/21/2024 12:00:00 AM
Project:				Date Received:	11/21/2024 12:00:00 AM
Client Sample ID:	RW5-SP100-20241121			SDG No.:	BN112524
Lab Sample ID:	P4959-01			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
BN035297.D	1	11/22/2024 12:00:00 AM	11/26/2024 12:00:00 AM	PB165198

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	0.07	J	0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.02	U	0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.1	0.1	ug/L
Total PAH	Total PAH	0.45	U	0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.09	U	0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.02	U	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.14	U	0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	11.5	E	0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	11/21/2024 12:00:00 AM
Project:				Date Received:	11/21/2024 12:00:00 AM
Client Sample ID:	RW5-SP100-20241121			SDG No.:	BN112524
Lab Sample ID:	P4959-01			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
BN035297.D	1	11/22/2024 12:00:00 AM	11/26/2024 12:00:00 AM	PB165198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.476		20-139		119	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.5		30-150		125	SPK: -0.4
367-12-4	2-Fluorophenol	0.165		10-100		41	SPK: -0.4
13127-88-3	Phenol-d6	0.082		10-100		20	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.24		27-123		60	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.349		34-132		87	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.326		10-131		81	SPK: -0.4
1718-51-0	Terphenyl-d14	0.726	*	35-157		182	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3474	7.315				
1146-65-2	Naphthalene-d8	8594	10.063				
15067-26-2	Acenaphthene-d10	5314	13.973				
1517-22-2	Phenanthrene-d10	12516	16.741				
1719-03-5	Chrysene-d12	912	21.006				
1520-96-3	Perylene-d12	6981	23.078				

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Report of Analysis

Client:				Date Collected:	11/21/2024 12:00:00 AM
Project:				Date Received:	11/21/2024 12:00:00 AM
Client Sample ID:	RW5-SP201-20241121			SDG No.:	BN112524
Lab Sample ID:	P4959-02			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
BN035298.D	1	11/22/2024 12:00:00 AM	11/26/2024 12:00:00 AM	PB165198

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
Total PAH	Total PAH	0.45	U	0.45	0.1	1.6	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.1	0.1	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.2	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:	11/21/2024 12:00:00 AM
Project:				Date Received:	11/21/2024 12:00:00 AM
Client Sample ID:	RW5-SP201-20241121			SDG No.:	BN112524
Lab Sample ID:	P4959-02			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
BN035298.D	1	11/22/2024 12:00:00 AM	11/26/2024 12:00:00 AM	PB165198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.545		20-139		136	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.528		30-150		132	SPK: -0.4
367-12-4	2-Fluorophenol	0.177		10-100		44	SPK: -0.4
13127-88-3	Phenol-d6	0.087		10-100		22	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.245		27-123		61	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	0.916	*	35-157		229	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3353	7.315				
1146-65-2	Naphthalene-d8	8974	10.062				
15067-26-2	Acenaphthene-d10	7827	13.965				
1517-22-2	Phenanthrene-d10	12956	16.734				
1719-03-5	Chrysene-d12	823	21.008				
1520-96-3	Perylene-d12	7685	23.075				

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Report of Analysis

Client:		Date Collected:	11/21/2024 12:00:00 AM
Project:		Date Received:	11/21/2024 12:00:00 AM
Client Sample ID:	RW5-SP303-20241121	SDG No.:	BN112524
Lab Sample ID:	P4959-03	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
BN035299.D	1	11/22/2024 12:00:00 AM	11/26/2024 12:00:00 AM	PB165198

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:	11/21/2024 12:00:00 AM
Project:				Date Received:	11/21/2024 12:00:00 AM
Client Sample ID:	RW5-SP303-20241121			SDG No.:	BN112524
Lab Sample ID:	P4959-03			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
BN035299.D	1	11/22/2024 12:00:00 AM	11/26/2024 12:00:00 AM	PB165198

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.451		20-139		113	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.41		30-150		102	SPK: -0.4
367-12-4	2-Fluorophenol	0.171		10-100		43	SPK: -0.4
13127-88-3	Phenol-d6	0.085		10-100		21	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.23		27-123		57	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.241		34-132		60	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.285		10-131		71	SPK: -0.4
1718-51-0	Terphenyl-d14	0.729	*	35-157		182	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4025	7.315				
1146-65-2	Naphthalene-d8	10571	10.063				
15067-26-2	Acenaphthene-d10	6682	13.966				
1517-22-2	Phenanthrene-d10	14026	16.734				
1719-03-5	Chrysene-d12	880	21.008				
1520-96-3	Perylene-d12	7740	23.078				

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Hit Summary Sheet
SW-846

SDG No.: BN112524

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : RW5-SP100-20241121								
P4959-01	RW5-SP100-20241121	Water	1,4-Dioxane	11.500	E	0.07	0.2	ug/L
P4959-01	RW5-SP100-20241121	Water	bis(2-Chloroethyl)ether	0.070	J	0.03	0.1	ug/L
			Total Svoc :	**11.57**				
			Total Concentration:	**11.57**				
Client ID : ICVBN112524								
SSTDICV0.4	ICVBN112524	Water	1,4-Dioxane	380.000		68	200	ug/L
SSTDICV0.4	ICVBN112524	Water	2-Methylnaphthalene	330.000		30	100	ug/L
SSTDICV0.4	ICVBN112524	Water	4,6-Dinitro-2-methylphenol	480.000		140	200	ug/L
SSTDICV0.4	ICVBN112524	Water	4-Bromophenyl-phenylether	360.000		26	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Acenaphthene	380.000		20	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Acenaphthylene	390.000		21	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Anthracene	320.000		24	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Atrazine	420.000		23	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Benzo(a)anthracene	270.000		22	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Benzo(a)pyrene	360.000		56	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Benzo(b)fluoranthene	360.000		32	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Benzo(g,h,i)perylene	410.000		37	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Benzo(k)fluoranthene	350.000		34	100	ug/L
SSTDICV0.4	ICVBN112524	Water	bis(2-Chloroethyl)ether	380.000		28	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Chrysene	270.000		26	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Dibenzo(a,h)anthracene	390.000		39	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Fluoranthene	300.000		23	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Fluorene	360.000		18	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Hexachlorobenzene	490.000		29	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Hexachlorobutadiene	440.000		26	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Indeno(1,2,3-cd)pyrene	400.000		38	100	ug/L
SSTDICV0.4	ICVBN112524	Water	n-Nitrosodimethylamine	430.000		30	200	ug/L
SSTDICV0.4	ICVBN112524	Water	Naphthalene	390.000		24	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Pentachlorophenol	410.000		90	200	ug/L
SSTDICV0.4	ICVBN112524	Water	Phenanthrene	360.000		20	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Pyrene	290.000		22	100	ug/L
SSTDICV0.4	ICVBN112524	Water	Total PAH	5,600.000		456	1600	ug/L
			Total Svoc :	**15,320.00**				
			Total Concentration:	**15,320.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN112524 SAS No.: BN112524 SDG No.: BN112524

Instrument ID: Calibration Date(s): 11/25/2024

Calibration Time(s): 10:16

LAB FILE ID: RRF0.1 = BN035277.D RRF0.2 = BN035278.D RRF0.4 = BN035279.D
RRF0.8 = BN035280.D RRF1.6 = BN035281.D RRF3.2 = BN035282.D

COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.561	0.531	0.539	0.527	0.566	0.580	0.560	5.6
Fluoranthene-d10	0.953	0.963	0.967	0.998	1.120	1.224	1.070	12.5
n-Nitrosodimethylamine		0.279	0.284	0.306	0.313	0.299	0.298	4.6
2-Fluorophenol	0.858	0.793	0.789	0.725	0.730	0.678	0.756	8.0
Phenol-d6	1.194	1.125	1.105	1.022	1.025	0.963	1.056	8.4
bis(2-Chloroethyl)ether	0.910	0.870	0.896	0.887	0.914	0.874	0.889	2.1
Nitrobenzene-d5	0.267	0.272	0.347	0.327	0.356	0.348	0.324	12.0
Naphthalene	1.085	1.055	1.091	1.075	1.150	1.140	1.110	4.0
Hexachlorobutadiene	0.281	0.289	0.312	0.311	0.339	0.330	0.312	6.7
2-Methylnaphthalene	0.690	0.680	0.680	0.675	0.748	0.782	0.726	8.4
2-Fluorobiphenyl	0.595	0.424	0.245	0.118	0.082	0.049	0.221	97.2
Acenaphthylene	1.859	1.869	1.885	1.919	2.117	2.147	2.013	8.5
Acenaphthene	1.144	1.158	1.176	1.194	1.341	1.386	1.267	10.3
Fluorene	1.538	1.617	1.634	1.688	1.907	1.985	1.777	11.6
4,6-Dinitro-2-methylphenol		0.027	0.034	0.039	0.048	0.056	0.041	27.6
2,4,6-Tribromophenol	0.174	0.174	0.180	0.186	0.213	0.230	0.204	18.0
4-Bromophenyl-phenylether	0.248	0.236	0.235	0.233	0.252	0.271	0.254	9.6
Hexachlorobenzene	0.326	0.336	0.352	0.363	0.391	0.381	0.363	7.3
Atrazine	0.091	0.095	0.100	0.100	0.114	0.117	0.107	13.8
Pentachlorophenol		0.067	0.079	0.082	0.097	0.112	0.087	19.8
Phenanthrene	1.121	1.103	1.131	1.162	1.271	1.364	1.229	11.0
Anthracene	0.904	0.899	0.911	0.953	1.100	1.252	1.055	18.0
Fluoranthene	1.248	1.282	1.340	1.453	1.732	1.890	1.550	18.5
Pyrene	13.573	11.787	15.285	12.713	17.792	16.155	14.551	15.5
Terphenyl-d14	6.283	5.513	7.259	6.077	8.616	7.644	7.392	22.7
Benzo(a)anthracene	12.993	11.189	13.823	11.501	16.408	14.385	13.920	16.3
Chrysene	12.993	11.189	13.823	11.501	16.408	14.385	13.920	16.3
Bis(2-ethylhexyl)phthalate		1.747	0.910	0.506	0.436	0.229	0.765	78.6
Benzo(b)fluoranthene	1.505	1.552	1.452	1.714	1.877	2.005	1.738	14.2
Benzo(k)fluoranthene	1.567	1.585	1.632	1.796	2.049	2.079	1.839	13.9
Benzo(a)pyrene	1.191	1.181	1.143	1.297	1.428	1.476	1.329	12.8
Indeno(1,2,3-cd)pyrene	1.377	1.410	1.523	1.574	1.744	1.787	1.638	14.5
Dibenzo(a,h)anthracene	0.961	1.028	1.107	1.202	1.353	1.402	1.238	18.6
Benzo(g,h,i)perylene	1.296	1.311	1.241	1.412	1.508	1.517	1.432	12.0
1,4-Dioxane	0.375	0.276	0.287	0.263	0.284	0.262	0.288	13.8

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.: BN112524 SAS No.: BN112524 SDG NO.: BN112524

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Nov 25 2024 12:00AM

Lab File ID: BN035279.D Time Analyzed: 14:29

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	2200	7.315	5326	10.06	2947		13.98
	UPPER LIMIT	4400	7.815	10652	10.563	5894		14.476
	LOWER LIMIT	1100	6.815	2663	9.563	1473.5		13.476
	EPA SAMPLE NO.							
01	ICVBN112524	2519	7.32	5593	10.06	2659		13.98
02	PB165150BL	3592	7.32	7815	10.06	3951		13.98
03	BPOW6-11-20241118	3259	7.32	7991	10.06	4583		13.98
04	BPOW6-10-20241118	3377	7.32	8188	10.06	4836		13.97
05	BPOW6-10-20241118MS	3628	7.32	8728	10.06	5209		13.97
06	BPOW6-10-20241118MSD	3339	7.32	8134	10.06	4891		13.97
07	PB165150BS	3630	7.32	8519	10.06	4791		13.97
08	PB165198BL	3303	7.32	8185	10.06	5200		13.97
09	PB165198BS	3266	7.32	7687	10.06	4428		13.97
10	PB165198BSD	3443	7.32	7928	10.06	4552		13.97
11	RW5-SP100-20241121	3474	7.32	8594	10.06	5314		13.97
12	RW5-SP201-20241121	3353	7.32	8974	10.06	7827	*	13.97
13	RW5-SP303-20241121	4025	7.32	10571	10.06	6682	*	13.97

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.: BN112524 SAS No.: BN112524 SDG NO.: BN112524

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Nov 25 2024 12:00AM

Lab File ID: BN035279.D Time Analyzed: 14:29

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	2200	7.315	5326	10.06	2947	13.98
	UPPER LIMIT	4400	7.815	10652	10.563	5894	14.476
	LOWER LIMIT	1100	6.815	2663	9.563	1473.5	13.476
	EPA SAMPLE NO.						
01	ICVBN112524	2519	7.32	5593	10.06	2659	13.98
02	PB165150BL	3592	7.32	7815	10.06	3951	13.98
03	BPOW6-11-20241118	3259	7.32	7991	10.06	4583	13.98
04	BPOW6-10-20241118	3377	7.32	8188	10.06	4836	13.97
05	BPOW6-10-20241118MS	3628	7.32	8728	10.06	5209	13.97
06	BPOW6-10-20241118MSD	3339	7.32	8134	10.06	4891	13.97
07	PB165150BS	3630	7.32	8519	10.06	4791	13.97

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.: BN112524 SAS No.: BN112524 SDG NO.: BN112524

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Nov 25 2024 12:00AM

Lab File ID: BN035293.D Time Analyzed: 23:38

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	3724	7.315	9273	10.06	5865	13.97
	UPPER LIMIT	7448	7.815	18546	10.563	11730	14.473
	LOWER LIMIT	1862	6.815	4636.5	9.563	2932.5	13.473
	EPA SAMPLE NO.						
01	PB165198BL	3303	7.32	8185	10.06	5200	13.97
02	PB165198BS	3266	7.32	7687	10.06	4428	13.97
03	PB165198BSD	3443	7.32	7928	10.06	4552	13.97
04	RW5-SP100-20241121	3474	7.32	8594	10.06	5314	13.97
05	RW5-SP201-20241121	3353	7.32	8974	10.06	7827	13.97
06	RW5-SP303-20241121	4025	7.32	10571	10.06	6682	13.97

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

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* 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.: BN112524 SAS No.: BN112524 SDG NO.: BN112524

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Nov 25 2024 12:00AM

Lab File ID: BN035279.D Time Analyzed: 14:29

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	6895	16.734	586	21.008	4692	23.078
	UPPER LIMIT	13790	17.234	1172	21.508	9384	23.578
	LOWER LIMIT	3447.5	16.234	293	20.508	2346	22.578
	EPA SAMPLE NO.						
01	ICVBN112524	5748	16.73	611	21.01	3470	23.08
02	PB165150BL	8151	16.73	804	21.01	4507	23.08
03	BPOW6-11-20241118	10715	16.73	870	21.01	5339	23.08
04	BPOW6-10-20241118	10344	16.73	824	21.01	5052	23.08
05	BPOW6-10-20241118MS	11399	16.73	743	21.01	5613	23.08
06	BPOW6-10-20241118MSD	10884	16.74	706	21.01	5495	23.08
07	PB165150BS	9614	16.73	730	21.01	5488	23.08
08	PB165198BL	11250	16.73	951	21.01	5935	23.08
09	PB165198BS	8857	16.74	724	21.01	5297	23.08
10	PB165198BSD	8773	16.73	703	21.01	5371	23.08
11	RW5-SP100-20241121	12516	16.74	912	21.01	6981	23.08
12	RW5-SP201-20241121	12956	16.73	823	21.01	7685	23.08
13	RW5-SP303-20241121	14026 *	16.73	880	21.01	7740	23.08

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.: BN112524 SAS No.: BN112524 SDG NO.: BN112524

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Nov 25 2024 12:00AM

Lab File ID: BN035279.D Time Analyzed: 14:29

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	6895	16.734	586	21.008	4692	23.078
	UPPER LIMIT	13790	17.234	1172	21.508	9384	23.578
	LOWER LIMIT	3447.5	16.234	293	20.508	2346	22.578
	EPA SAMPLE NO.						
01	ICVBN112524	5748	16.73	611	21.01	3470	23.08
02	PB165150BL	8151	16.73	804	21.01	4507	23.08
03	BPOW6-11-20241118	10715	16.73	870	21.01	5339	23.08
04	BPOW6-10-20241118	10344	16.73	824	21.01	5052	23.08
05	BPOW6-10-20241118MS	11399	16.73	743	21.01	5613	23.08
06	BPOW6-10-20241118MSD	10884	16.74	706	21.01	5495	23.08
07	PB165150BS	9614	16.73	730	21.01	5488	23.08

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.: BN112524 SAS No.: BN112524 SDG NO.: BN112524

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Nov 25 2024 12:00AM

Lab File ID: BN035293.D Time Analyzed: 23:38

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	12563	16.741	932	21.006	7119	23.078
	UPPER LIMIT	25126	17.241	1864	21.506	14238	23.578
	LOWER LIMIT	6281.5	16.241	466	20.506	3559.5	22.578
	EPA SAMPLE NO.						
01	PB165198BL	11250	16.73	951	21.01	5935	23.08
02	PB165198BS	8857	16.74	724	21.01	5297	23.08
03	PB165198BSD	8773	16.73	703	21.01	5371	23.08
04	RW5-SP100-20241121	12516	16.74	912	21.01	6981	23.08
05	RW5-SP201-20241121	12956	16.73	823	21.01	7685	23.08
06	RW5-SP303-20241121	14026	16.73	880	21.01	7740	23.08

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.: BN112524

Client:

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB165150BS	n-Nitrosodimethylamine	0.4	0.37	ug/L	93				33	130	
	bis(2-Chloroethyl)ether	0.4	0.44	ug/L	110				55	118	
	Naphthalene	0.4	0.36	ug/L	90				67	120	
	Hexachlorobutadiene	0.4	0.3	ug/L	75				33	114	
	2-Methylnaphthalene	0.4	0.36	ug/L	90				50	122	
	Acenaphthylene	0.4	0.33	ug/L	83				60	119	
	Acenaphthene	0.4	0.34	ug/L	85				65	119	
	Total PAH	6.4	5.47	ug/L	85				65	119	
	Fluorene	0.4	0.31	ug/L	78				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.38	ug/L	95				20	150	
	4-Bromophenyl-phenylether	0.4	0.37	ug/L	93				20	150	
	Hexachlorobenzene	0.4	0.32	ug/L	80				62	127	
	Atrazine	0.4	0.36	ug/L	90				20	150	
	Pentachlorophenol	0.8	0.34	ug/L	43				10	137	
	Phenanthrene	0.4	0.34	ug/L	85				65	117	
	Anthracene	0.4	0.35	ug/L	88				57	118	
	Fluoranthene	0.4	0.28	ug/L	70				53	126	
	Pyrene	0.4	0.38	ug/L	95				54	124	
	Benzo(a)anthracene	0.4	0.33	ug/L	83				54	130	
	Chrysene	0.4	0.33	ug/L	83				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.4	ug/L	100				40	137	
	Benzo(b)fluoranthene	0.4	0.31	ug/L	78				65	121	
	Benzo(k)fluoranthene	0.4	0.33	ug/L	83				72	119	
	Benzo(a)pyrene	0.4	0.36	ug/L	90				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.38	ug/L	95				70	127	
	Dibenz(a,h)anthracene	0.4	0.38	ug/L	95				65	121	
	Benzo(g,h,i)perylene	0.4	0.36	ug/L	90				76	117	
	1,4-Dioxane	0.4	0.45	ug/L	113				42	127	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN112524

Client:

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165198BS	n-Nitrosodimethylamine	0.4	0.41	ug/L	103				33	130	
	bis(2-Chloroethyl)ether	0.4	0.51	ug/L	128		*		55	118	
	Naphthalene	0.4	0.41	ug/L	103				67	120	
	Hexachlorobutadiene	0.4	0.34	ug/L	85				33	114	
	2-Methylnaphthalene	0.4	0.42	ug/L	105				50	122	
	Acenaphthylene	0.4	0.39	ug/L	98				60	119	
	Acenaphthene	0.4	0.39	ug/L	98				65	119	
	Total PAH	6.4	6.26	ug/L	98				65	119	
	Fluorene	0.4	0.36	ug/L	90				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.41	ug/L	103				20	150	
	4-Bromophenyl-phenylether	0.4	0.43	ug/L	108				20	150	
	Hexachlorobenzene	0.4	0.36	ug/L	90				62	127	
	Atrazine	0.4	0.48	ug/L	120				20	150	
	Pentachlorophenol	0.8	0.68	ug/L	85				10	137	
	Phenanthrene	0.4	0.39	ug/L	98				65	117	
	Anthracene	0.4	0.41	ug/L	103				57	118	
	Fluoranthene	0.4	0.32	ug/L	80				53	126	
	Pyrene	0.4	0.41	ug/L	103				54	124	
	Benzo(a)anthracene	0.4	0.36	ug/L	90				54	130	
	Chrysene	0.4	0.36	ug/L	90				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.41	ug/L	103				40	137	
	Benzo(b)fluoranthene	0.4	0.35	ug/L	88				65	121	
	Benzo(k)fluoranthene	0.4	0.38	ug/L	95				72	119	
	Benzo(a)pyrene	0.4	0.42	ug/L	105				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.44	ug/L	110				70	127	
	Dibenz(a,h)anthracene	0.4	0.45	ug/L	113				65	121	
	Benzo(g,h,i)perylene	0.4	0.42	ug/L	105				76	117	
	1,4-Dioxane	0.4	0.49	ug/L	123				42	127	
PB165198BSD	n-Nitrosodimethylamine	0.4	0.36	ug/L	90	13			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.43	ug/L	108	17			55	118	20
	Naphthalene	0.4	0.37	ug/L	93	10			67	120	20
	Hexachlorobutadiene	0.4	0.3	ug/L	75	13			33	114	20
	2-Methylnaphthalene	0.4	0.37	ug/L	93	13			50	122	20
	Acenaphthylene	0.4	0.34	ug/L	85	14			60	119	20
	Acenaphthene	0.4	0.34	ug/L	85	14			65	119	20
	Total PAH	6.4	5.46	ug/L	85	14			65	119	20
	Fluorene	0.4	0.31	ug/L	78	15			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.38	ug/L	95	8			20	150	20
	4-Bromophenyl-phenylether	0.4	0.38	ug/L	95	12			20	150	20
	Hexachlorobenzene	0.4	0.32	ug/L	80	12			62	127	20
	Atrazine	0.4	0.41	ug/L	103	16			20	150	20
	Pentachlorophenol	0.8	0.58	ug/L	73	16			10	137	20
	Phenanthrene	0.4	0.34	ug/L	85	14			65	117	20
	Anthracene	0.4	0.35	ug/L	88	16			57	118	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN112524

Client:

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165198BSD	Fluoranthene	0.4	0.27	ug/L	68	17			53	126	20
	Pyrene	0.4	0.35	ug/L	88	16			54	124	20
	Benzo(a)anthracene	0.4	0.31	ug/L	78	15			54	130	20
	Chrysene	0.4	0.31	ug/L	78	15			64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.42	ug/L	105	2			40	137	20
	Benzo(b)fluoranthene	0.4	0.32	ug/L	80	9			65	121	20
	Benzo(k)fluoranthene	0.4	0.32	ug/L	80	17			72	119	20
	Benzo(a)pyrene	0.4	0.37	ug/L	93	13			68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.39	ug/L	98	12			70	127	20
	Dibenz(a,h)anthracene	0.4	0.4	ug/L	100	12			65	121	20
	Benzo(g,h,i)perylene	0.4	0.37	ug/L	93	13			76	117	20
	1,4-Dioxane	0.4	0.46	ug/L	115	6			42	127	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBN112524

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN112524 SAS No.: BN112524 SDG NO.: BN112524

Lab File ID: BN035284.D Lab Sample ID: SSTDICV0.4

Instrument ID: BNA_N Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 11/25/2024

Level: (low/med) LOW Time Analyzed: 14:29

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBN112524	SSTDICV0.4	BN035284.D	11/25/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165150BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN112524 SAS No.: BN112524 SDG NO.: BN112524

Lab File ID: BN035285.D Lab Sample ID: PB165150BL

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

Matrix: (soil/water) Water Date Analyzed: 11/25/2024

Level: (low/med) LOW Time Analyzed: 15:44

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BPOW6-11-20241118	P4934-02	BN035286.D	11/25/2024
BPOW6-10-20241118	P4934-05	BN035287.D	11/25/2024
BPOW6-10-20241118MS	P4934-06MS	BN035288.D	11/25/2024
BPOW6-10-20241118MSD	P4934-07MSD	BN035289.D	11/25/2024
PB165150BS	PB165150BS	BN035290.D	11/25/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165198BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN112524 SAS No.: BN112524 SDG NO.: BN112524

Lab File ID: BN035294.D Lab Sample ID: PB165198BL

Instrument ID: BNA_N Date Extracted: 11/22/2024

Matrix: (soil/water) Water Date Analyzed: 11/25/2024

Level: (low/med) LOW Time Analyzed: 23:38

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165198BS	PB165198BS	BN035295.D	11/26/2024
PB165198BSD	PB165198BSD	BN035296.D	11/26/2024
RW5-SP100-20241121	P4959-01	BN035297.D	11/26/2024
RW5-SP201-20241121	P4959-02	BN035298.D	11/26/2024
RW5-SP303-20241121	P4959-03	BN035299.D	11/26/2024

COMMENTS:

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BN112524

Client:

Analytical Method: 8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4934-06MS		**Client Sample ID: BPOW6-10-20241118MS**						**DataFile: BN035288.D**			
n-Nitrosodimethylamine	0.4		0.13	ug/L	33				10	158	
bis(2-Chloroethyl)ether	0.4		0.37	ug/L	93				27	159	
Naphthalene	0.4		0.32	ug/L	80				62	119	
Hexachlorobutadiene	0.4		0.24	ug/L	60				14	140	
2-Methylnaphthalene	0.4		0.34	ug/L	85				70	118	
Acenaphthylene	0.4		0.31	ug/L	78				53	123	
Acenaphthene	0.4		0.32	ug/L	80				57	122	
Total PAH	6.4		5.88	ug/L	92				57	122	
Fluorene	0.4		0.31	ug/L	78				58	123	
4,6-Dinitro-2-methylphenol	0.4		0.37	ug/L	93				20	150	
4-Bromophenyl-phenylether	0.4		0.36	ug/L	90				20	150	
Hexachlorobenzene	0.4		0.29	ug/L	73				31	160	
Atrazine	0.4		0.38	ug/L	95				20	150	
Pentachlorophenol	0.8		0.31	ug/L	39				10	179	
Phenanthrene	0.4		0.35	ug/L	88				64	129	
Anthracene	0.4		0.35	ug/L	88				67	127	
Fluoranthene	0.4		0.31	ug/L	78				55	140	
Pyrene	0.4		0.51	ug/L	128				59	137	
Benzo(a)anthracene	0.4		0.39	ug/L	98				51	146	
Chrysene	0.4		0.39	ug/L	98				61	126	
bis(2-Ethylhexyl)phthalate	0.4		0.41	ug/L	103				35	175	
Benzo(b)fluoranthene	0.4		0.34	ug/L	85				60	123	
Benzo(k)fluoranthene	0.4		0.37	ug/L	93				61	122	
Benzo(a)pyrene	0.4		0.4	ug/L	100				54	129	
Indeno(1,2,3-cd)pyrene	0.4		0.41	ug/L	103				50	134	
Dibenz(a,h)anthracene	0.4		0.41	ug/L	103				53	121	
Benzo(g,h,i)perylene	0.4		0.39	ug/L	98				44	132	
1,4-Dioxane	0.4		0.2	ug/L	50				10	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BN112524

Client:

Analytical Method: 8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4934-07MSD		**Client Sample ID: BPOW6-10-20241118MSD**						**DataFile: BN035289.D**			
n-Nitrosodimethylamine	0.41		0.14	ug/L	34		3		10	158	20
bis(2-Chloroethyl)ether	0.41		0.4	ug/L	98		5		27	159	20
Naphthalene	0.41		0.34	ug/L	83		4		62	119	20
Hexachlorobutadiene	0.41		0.25	ug/L	61		2		14	140	20
2-Methylnaphthalene	0.41		0.36	ug/L	88		3		70	118	20
Acenaphthylene	0.41		0.33	ug/L	80		3		53	123	20
Acenaphthene	0.41		0.34	ug/L	83		4		57	122	20
Total PAH	6.56		6.43	ug/L	98		6		57	122	20
Fluorene	0.41		0.33	ug/L	80		3		58	123	20
4,6-Dinitro-2-methylphenol	0.41		0.4	ug/L	98		5		20	150	20
4-Bromophenyl-phenylether	0.41		0.39	ug/L	95		5		20	150	20
Hexachlorobenzene	0.41		0.31	ug/L	76		4		31	160	20
Atrazine	0.41		0.41	ug/L	100		5		20	150	20
Pentachlorophenol	0.82		0.38	ug/L	46		16		10	179	20
Phenanthrene	0.41		0.38	ug/L	93		6		64	129	20
Anthracene	0.41		0.38	ug/L	93		6		67	127	20
Fluoranthene	0.41		0.35	ug/L	85		9		55	140	20
Pyrene	0.41		0.59	ug/L	144	*	12		59	137	20
Benzo(a)anthracene	0.41		0.46	ug/L	112		13		51	146	20
Chrysene	0.41		0.46	ug/L	112		13		61	126	20
bis(2-Ethylhexyl)phthalate	0.41		0.56	ug/L	137		28	*	35	175	20
Benzo(b)fluoranthene	0.41		0.38	ug/L	93		9		60	123	20
Benzo(k)fluoranthene	0.41		0.39	ug/L	95		2		61	122	20
Benzo(a)pyrene	0.41		0.43	ug/L	105		5		54	129	20
Indeno(1,2,3-cd)pyrene	0.41		0.43	ug/L	105		2		50	134	20
Dibenz(a,h)anthracene	0.41		0.43	ug/L	105		2		53	121	20
Benzo(g,h,i)perylene	0.41		0.41	ug/L	100		2		44	132	20
1,4-Dioxane	0.41		0.22	ug/L	54		8		10	175	20

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Surrogate Summary

SW-846

SDG No.: BN112524

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDICV0.4	ICVBN112524	BN035284.D	2-Methylnaphthalene-d10	0.4	337.00	84250	*	20	139
			Fluoranthene-d10	0.4	343.00	85750	*	30	150
			2-Fluorophenol	0.4	360.00	90000	*	10	100
			Phenol-d6	0.4	348.00	87000	*	10	100
			Nitrobenzene-d5	0.4	469.00	117250	*	27	123
			2-Fluorobiphenyl	0.4	465.00	116250	*	34	132
			2,4,6-Tribromophenol	0.4	402.00	100500	*	10	131
			Terphenyl-d14	0.4	282.00	70500	*	35	157

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Surrogate Summary

SW-846

SDG No.: BN112524

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4934-02	BPOW6-11-202411	BN035286.D	2-Methylnaphthalene-d10	0.4	0.36	89		20	139
			Fluoranthene-d10	0.4	0.44	109		30	150
			2-Fluorophenol	0.4	0.13	33		10	100
			Phenol-d6	0.4	0.08	19		10	100
			Nitrobenzene-d5	0.4	0.18	44		27	123
			2-Fluorobiphenyl	0.4	0.25	63		34	132
			2,4,6-Tribromophenol	0.4	0.23	56		10	131
			Terphenyl-d14	0.4	0.62	155		35	157
P4934-05	BPOW6-10-202411	BN035287.D	2-Methylnaphthalene-d10	0.4	0.41	101		20	139
			Fluoranthene-d10	0.4	0.41	101		30	150
			2-Fluorophenol	0.4	0.23	57		10	100
			Phenol-d6	0.4	0.13	33		10	100
			Nitrobenzene-d5	0.4	0.19	48		27	123
			2-Fluorobiphenyl	0.4	0.27	68		34	132
			2,4,6-Tribromophenol	0.4	0.24	59		10	131
			Terphenyl-d14	0.4	0.76	189	*	35	157
P4934-06MS	BPOW6-10-202411	BN035288.D	2-Methylnaphthalene-d10	0.4	0.39	97		20	139
			Fluoranthene-d10	0.4	0.38	95		30	150
			2-Fluorophenol	0.4	0.23	56		10	100
			Phenol-d6	0.4	0.14	36		10	100
			Nitrobenzene-d5	0.4	0.20	50		27	123
			2-Fluorobiphenyl	0.4	0.15	36		34	132
			2,4,6-Tribromophenol	0.4	0.25	62		10	131
			Terphenyl-d14	0.4	0.77	192	*	35	157
P4934-07MSD	BPOW6-10-202411	BN035289.D	2-Methylnaphthalene-d10	0.4	0.41	101		20	139
			Fluoranthene-d10	0.4	0.43	106		30	150
			2-Fluorophenol	0.4	0.24	60		10	100
			Phenol-d6	0.4	0.15	38		10	100
			Nitrobenzene-d5	0.4	0.21	51		27	123
			2-Fluorobiphenyl	0.4	0.26	65		34	132
			2,4,6-Tribromophenol	0.4	0.28	69		10	131
			Terphenyl-d14	0.4	0.87	216	*	35	157
PB165150BL	PB165150BL	BN035285.D	2-Methylnaphthalene-d10	0.4	0.38	94		20	139
			Fluoranthene-d10	0.4	0.33	81		30	150
			2-Fluorophenol	0.4	0.38	94		10	100
			Phenol-d6	0.4	0.37	91		10	100
			Nitrobenzene-d5	0.4	0.20	50		27	123
			2-Fluorobiphenyl	0.4	0.73	183	*	34	132
			2,4,6-Tribromophenol	0.4	0.07	17		10	131
			Terphenyl-d14	0.4	0.32	79		35	157
PB165150BS	PB165150BS	BN035290.D	2-Methylnaphthalene-d10	0.4	0.48	121		20	139
			Fluoranthene-d10	0.4	0.35	87		30	150
			2-Fluorophenol	0.4	0.44	109	*	10	100
			Phenol-d6	0.4	0.38	94		10	100
			Nitrobenzene-d5	0.4	0.23	57		27	123
			2-Fluorobiphenyl	0.4	0.27	68		34	132
			2,4,6-Tribromophenol	0.4	0.22	55		10	131
			Terphenyl-d14	0.4	0.46	115		35	157

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Surrogate Summary

SW-846

SDG No.: BN112524

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4959-01	RW5-SP100-20241	BN035297.D	2-Methylnaphthalene-d10	0.4	0.48	119		20	139
			Fluoranthene-d10	0.4	0.50	125		30	150
			2-Fluorophenol	0.4	0.17	41		10	100
			Phenol-d6	0.4	0.08	20		10	100
			Nitrobenzene-d5	0.4	0.24	60		27	123
			2-Fluorobiphenyl	0.4	0.35	87		34	132
			2,4,6-Tribromophenol	0.4	0.33	81		10	131
			Terphenyl-d14	0.4	0.73	182	*	35	157
P4959-02	RW5-SP201-20241	BN035298.D	2-Methylnaphthalene-d10	0.4	0.55	136		20	139
			Fluoranthene-d10	0.4	0.53	132		30	150
			2-Fluorophenol	0.4	0.18	44		10	100
			Phenol-d6	0.4	0.09	22		10	100
			Nitrobenzene-d5	0.4	0.25	61		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	0.92	229	*	35	157
P4959-03	RW5-SP303-20241	BN035299.D	2-Methylnaphthalene-d10	0.4	0.45	113		20	139
			Fluoranthene-d10	0.4	0.41	102		30	150
			2-Fluorophenol	0.4	0.17	43		10	100
			Phenol-d6	0.4	0.09	21		10	100
			Nitrobenzene-d5	0.4	0.23	57		27	123
			2-Fluorobiphenyl	0.4	0.24	60		34	132
			2,4,6-Tribromophenol	0.4	0.29	71		10	131
			Terphenyl-d14	0.4	0.73	182	*	35	157
PB165198BL	PB165198BL	BN035294.D	2-Methylnaphthalene-d10	0.4	0.44	111		20	139
			Fluoranthene-d10	0.4	0.38	94		30	150
			2-Fluorophenol	0.4	0.43	107	*	10	100
			Phenol-d6	0.4	0.37	93		10	100
			Nitrobenzene-d5	0.4	0.24	60		27	123
			2-Fluorobiphenyl	0.4	0.58	144	*	34	132
			2,4,6-Tribromophenol	0.4	0.21	52		10	131
			Terphenyl-d14	0.4	0.46	115		35	157
PB165198BS	PB165198BS	BN035295.D	2-Methylnaphthalene-d10	0.4	0.56	141	*	20	139
			Fluoranthene-d10	0.4	0.40	100		30	150
			2-Fluorophenol	0.4	0.53	133	*	10	100
			Phenol-d6	0.4	0.45	113	*	10	100
			Nitrobenzene-d5	0.4	0.28	70		27	123
			2-Fluorobiphenyl	0.4	0.34	85		34	132
			2,4,6-Tribromophenol	0.4	0.30	74		10	131
			Terphenyl-d14	0.4	0.49	123		35	157
PB165198BSD	PB165198BSD	BN035296.D	2-Methylnaphthalene-d10	0.4	0.51	128		20	139
			Fluoranthene-d10	0.4	0.34	84		30	150
			2-Fluorophenol	0.4	0.45	113	*	10	100
			Phenol-d6	0.4	0.39	97		10	100
			Nitrobenzene-d5	0.4	0.25	63		27	123
			2-Fluorobiphenyl	0.4	0.27	66		34	132
			2,4,6-Tribromophenol	0.4	0.25	62		10	131
			Terphenyl-d14	0.4	0.42	106		35	157

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN112524

Lab Code: CHEM SAS No.: BN112524 SDG NO.: BN112524

Lab File ID: BN035276.D DFTPP Injection Date: 11/25/2024

Instrument ID: BNA_N DFTPP Injection Time: 09:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.2
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	30.5
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	40.9
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	6.7
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	10.4
442	Greater than 50% of mass 198	65.2
443	15.0 - 24.0% of mass 442	12.3 (18.9) 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
SSTDICC0.1	SSTDICC0.1	BN035277.D	11/25/2024	10:16
SSTDICC0.2	SSTDICC0.2	BN035278.D	11/25/2024	10:52
SSTDICCC0.4	SSTDICCC0.4	BN035279.D	11/25/2024	11:28
SSTDICC0.8	SSTDICC0.8	BN035280.D	11/25/2024	12:04
SSTDICC1.6	SSTDICC1.6	BN035281.D	11/25/2024	12:40
SSTDICC3.2	SSTDICC3.2	BN035282.D	11/25/2024	13:16
SSTDICC5.0	SSTDICC5.0	BN035283.D	11/25/2024	13:52
ICVBN112524	SSTDICV0.4	BN035284.D	11/25/2024	14:29
PB165150BL	PB165150BL	BN035285.D	11/25/2024	15:44
BPOW6-11-20241118	P4934-02	BN035286.D	11/25/2024	16:20
BPOW6-10-20241118	P4934-05	BN035287.D	11/25/2024	16:56
BPOW6-10-20241118MS	P4934-06MS	BN035288.D	11/25/2024	17:32
BPOW6-10-20241118MSD	P4934-07MSD	BN035289.D	11/25/2024	18:08
PB165150BS	PB165150BS	BN035290.D	11/25/2024	18:44
SSTDCCC0.4EC	SSTDCCC0.4	BN035291.D	11/25/2024	19:20

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN112524

Lab Code: CHEM SAS No.: BN112524 SDG NO.: BN112524

Lab File ID: BN035292.D DFTPP Injection Date: 11/25/2024

Instrument ID: BNA_N DFTPP Injection Time: 20:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	21.5
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	28.6
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	40.4
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	6.8
275	10.0 - 60.0% of mass 198	29
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	11.9
442	Greater than 50% of mass 198	71
443	15.0 - 24.0% of mass 442	13.4 (18.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN035293.D	11/25/2024	23:02
PB165198BL	PB165198BL	BN035294.D	11/25/2024	23:38
PB165198BS	PB165198BS	BN035295.D	11/26/2024	00:14
PB165198BSD	PB165198BSD	BN035296.D	11/26/2024	00:50
RW5-SP100-20241121	P4959-01	BN035297.D	11/26/2024	01:26
RW5-SP201-20241121	P4959-02	BN035298.D	11/26/2024	02:02
RW5-SP303-20241121	P4959-03	BN035299.D	11/26/2024	02:38
SSTDCCC0.4EC	SSTDCCC0.4	BN035300.D	11/26/2024	03:14