CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY
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.: BN071524 SAS No.: BN071524 SDG No.: BN071524

Instrument ID: BNA_N Calibration Date/Time: 7/15/2024 12 10:41

Lab File ID: BN032717.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	0.612	0.572		-6.536	20.0
Fluoranthene-d10	1.035	1.041		0.58	20.0
n-Nitrosodimethylamine	0.419	0.407		-2.864	20.0
2-Fluorophenol	1.012	1.088		7.51	20.0
Phenol-d6	1.256	1.351		7.564	20.0
bis(2-Chloroethyl)ether	1.050	0.870		-17.143	20.0
Nitrobenzene-d5	0.301	0.306		1.661	20.0
Naphthalene	1.108	1.091		-1.534	20.0
Hexachlorobutadiene	0.212	0.209		-1.415	20.0
2-Methylnaphthalene	0.724	0.663		-8.425	20.0
2-Fluorobiphenyl	1.489	1.537		3.224	20.0
Acenaphthylene	1.627	1.625		-0.123	20.0
Acenaphthene	1.153	1.124		-2.515	20.0
Fluorene	1.541	1.361		-11.681	20.0
4,6-Dinitro-2-methylphenol	0.056	0.006		-89.286	20.0
2,4,6-Tribromophenol	0.171	0.150		-12.281	20.0
4-Bromophenyl-phenylether	0.235	0.220		-6.383	20.0
Hexachlorobenzene	0.263	0.262		-0.38	20.0
Atrazine	0.173	0.176		1.734	20.0
Pentachlorophenol	0.098	0.096		-2.041	20.0
Phenanthrene	1.093	1.029		-5.855	20.0
Anthracene	0.900	0.878		-2.444	20.0
Fluoranthene	1.323	1.294		-2.192	20.0
Pyrene	1.634	1.456		-10.894	20.0
Terphenyl-d14	0.820	0.729		-11.098	20.0
Benzo(a)anthracene	1.265	1.347		6.482	20.0
Chrysene	1.504	1.436		-4.521	20.0
Bis(2-ethylhexyl)phthalate	0.700	0.875		25.0	20.0
Benzo(b)fluoranthene	1.393	1.252		-10.122	20.0
Benzo(k)fluoranthene	1.592	1.358		-14.698	20.0
Benzo(a)pyrene	1.256	1.199		-4.538	20.0
Indeno(1,2,3-cd)pyrene	1.577	1.609		2.029	20.0
Dibenzo(a,h)anthracene	1.245	1.294		3.936	20.0
Benzo(g,h,i)perylene	1.379	1.394		1.088	20.0
1,4-Dioxane	0.496	0.523		5.444	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.: BN071524 SAS No.: BN071524 SDG No.: BN071524

Instrument ID: BNA_N Calibration Date/Time: 7/15/2024 12 17:58

Lab File ID: BN032729.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	0.612	0.561		-8.333	50.0
Fluoranthene-d10	1.035	1.038		0.29	50.0
n-Nitrosodimethylamine	0.419	0.389		-7.16	50.0
2-Fluorophenol	1.012	1.023		1.087	50.0
Phenol-d6	1.256	1.246		-0.796	50.0
bis(2-Chloroethyl)ether	1.050	0.813		-22.571	50.0
Nitrobenzene-d5	0.301	0.284		-5.648	50.0
Naphthalene	1.108	1.101		-0.632	50.0
Hexachlorobutadiene	0.212	0.221		4.245	50.0
2-Methylnaphthalene	0.724	0.649		-10.359	50.0
2-Fluorobiphenyl	1.489	1.513		1.612	50.0
Acenaphthylene	1.627	1.580		-2.889	50.0
Acenaphthene	1.153	1.119		-2.949	50.0
Fluorene	1.541	1.388		-9.929	50.0
4,6-Dinitro-2-methylphenol	0.056	0.006		-89.286	50.0
2,4,6-Tribromophenol	0.171	0.143		-16.374	50.0
4-Bromophenyl-phenylether	0.235	0.231		-1.702	50.0
Hexachlorobenzene	0.263	0.264		0.38	50.0
Atrazine	0.173	0.165		-4.624	50.0
Pentachlorophenol	0.098	0.085		-13.265	50.0
Phenanthrene	1.093	1.040		-4.849	50.0
Anthracene	0.900	0.790		-12.222	50.0
Fluoranthene	1.323	1.300		-1.738	50.0
Pyrene	1.634	1.528		-6.487	50.0
Terphenyl-d14	0.820	0.741		-9.634	50.0
Benzo(a)anthracene	1.265	1.209		-4.427	50.0
Chrysene	1.504	1.553		3.258	50.0
Bis(2-ethylhexyl)phthalate	0.700	0.836		19.429	50.0
Benzo(b)fluoranthene	1.393	1.249		-10.337	50.0
Benzo(k)fluoranthene	1.592	1.434		-9.925	50.0
Benzo(a)pyrene	1.256	1.189		-5.334	50.0
Indeno(1,2,3-cd)pyrene	1.577	1.615		2.41	50.0
Dibenzo(a,h)anthracene	1.245	1.269		1.928	50.0
Benzo(g,h,i)perylene	1.379	1.412		2.393	50.0
1,4-Dioxane	0.496	0.499		0.605	50.0

All other compounds must meet a minimum RRF of 0.010.

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Report of Analysis

Client:				Date Collected:	7/12/2024 12:00:00 AM
Project:				Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162031BL			SDG No.:	BN071524
Lab Sample ID:	PB162031BL			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
BN032718.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

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:	7/12/2024 12:00:00 AM
Project:				Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162031BL			SDG No.:	BN071524
Lab Sample ID:	PB162031BL			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
BN032718.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.348		30-150		87	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.446		30-150		112	SPK: -0.4
367-12-4	2-Fluorophenol	0.463	*	10-92		116	SPK: -0.4
13127-88-3	Phenol-d6	0.348		10-100		87	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.364		11-175		91	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.39		10-175		97	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.284		24-148		71	SPK: -0.4
1718-51-0	Terphenyl-d14	0.383		54-171		96	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4681	7.552				
1146-65-2	Naphthalene-d8	12870	10.336				
15067-26-2	Acenaphthene-d10	7065	14.199				
1517-22-2	Phenanthrene-d10	12177	16.966				
1719-03-5	Chrysene-d12	13519	21.175				
1520-96-3	Perylene-d12	16944	23.37				

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Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-925-927	SDG No.:	BN071524
Lab Sample ID:	P3222-04	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	880 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
BN032719.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.23	0.23	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.11	0.11	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.11	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.11	0.11	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.11	0.11	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.11	0.11	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.11	0.11	ug/L
Total PAH	Total PAH	0.52	U	0.52	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	0.23	0.23	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	0.23	0.23	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	0.03	U	0.03	0.11	0.11	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	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	0.66		0.16	0.23	0.23	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	0.23	0.23	ug/L

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Report of Analysis

Client:				Date Collected:	7/10/2024 12:00:00 AM
Project:				Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-925-927			SDG No.:	BN071524
Lab Sample ID:	P3222-04			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	880	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
BN032719.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.286		30-150		72	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.39		30-150		97	SPK: -0.4
367-12-4	2-Fluorophenol	0.212		10-92		53	SPK: -0.4
13127-88-3	Phenol-d6	0.132		10-100		33	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.223		11-175		56	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.323		10-175		81	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.321		24-148		80	SPK: -0.4
1718-51-0	Terphenyl-d14	0.421		54-171		105	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3461	7.552				
1146-65-2	Naphthalene-d8	10688	10.325				
15067-26-2	Acenaphthene-d10	5705	14.199				
1517-22-2	Phenanthrene-d10	11140	16.967				
1719-03-5	Chrysene-d12	10613	21.175				
1520-96-3	Perylene-d12	12189	23.37				

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Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-940-942	SDG No.:	BN071524
Lab Sample ID:	P3222-05	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	870 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
BN032720.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.23	0.23	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.11	0.11	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.11	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.11	0.11	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.11	0.11	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.11	0.11	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.11	0.11	ug/L
Total PAH	Total PAH	0.52	U	0.52	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	0.23	0.23	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	0.23	0.23	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	0.03	U	0.03	0.11	0.11	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	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	0.32		0.16	0.23	0.23	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	0.23	0.23	ug/L

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Report of Analysis

Client:				Date Collected:	7/10/2024 12:00:00 AM
Project:				Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-940-942			SDG No.:	BN071524
Lab Sample ID:	P3222-05			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	870	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
BN032720.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.354		30-150		88	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.411		30-150		103	SPK: -0.4
367-12-4	2-Fluorophenol	0.277		10-92		69	SPK: -0.4
13127-88-3	Phenol-d6	0.146		10-100		36	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.377		11-175		94	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.416		10-175		104	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.346		24-148		86	SPK: -0.4
1718-51-0	Terphenyl-d14	0.455		54-171		114	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3267	7.559				
1146-65-2	Naphthalene-d8	10022	10.325				
15067-26-2	Acenaphthene-d10	5413	14.199				
1517-22-2	Phenanthrene-d10	10431	16.966				
1719-03-5	Chrysene-d12	9866	21.175				
1520-96-3	Perylene-d12	11503	23.373				

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Report of Analysis

Client:				Date Collected:	7/12/2024 12:00:00 AM
Project:				Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162031BS			SDG No.:	BN071524
Lab Sample ID:	PB162031BS			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
BN032721.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

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	0.37		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.39		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.41		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.36		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	6.17		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	0.31		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.39		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.4		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.4		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.36		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.37		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.37		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.4		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.37		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.42		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	0.5		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	0.36		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.38		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	0.4		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.41		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	7/12/2024 12:00:00 AM
Project:				Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162031BS			SDG No.:	BN071524
Lab Sample ID:	PB162031BS			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
BN032721.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.373		30-150		93	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.408		30-150		102	SPK: -0.4
367-12-4	2-Fluorophenol	0.415	*	10-92		104	SPK: -0.4
13127-88-3	Phenol-d6	0.407	*	10-100		102	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.386		11-175		97	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.407		10-175		102	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.357		24-148		89	SPK: -0.4
1718-51-0	Terphenyl-d14	0.363		54-171		91	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3591	7.552				
1146-65-2	Naphthalene-d8	10761	10.325				
15067-26-2	Acenaphthene-d10	5943	14.199				
1517-22-2	Phenanthrene-d10	11089	16.967				
1719-03-5	Chrysene-d12	10174	21.175				
1520-96-3	Perylene-d12	12188	23.376				

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Report of Analysis

Client:				Date Collected:	7/12/2024 12:00:00 AM
Project:				Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162031BSD			SDG No.:	BN071524
Lab Sample ID:	PB162031BSD			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
BN032722.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.38		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.36		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	0.42		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	0.39		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	6.16		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	0.29		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	0.4		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.39		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.37		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.37		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	0.4		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.37		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.41		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	0.49		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	0.36		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.38		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	0.4		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.41		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	7/12/2024 12:00:00 AM
Project:				Date Received:	7/12/2024 12:00:00 AM
Client Sample ID:	PB162031BSD			SDG No.:	BN071524
Lab Sample ID:	PB162031BSD			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
BN032722.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.365		30-150		91	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.409		30-150		102	SPK: -0.4
367-12-4	2-Fluorophenol	0.417	*	10-92		104	SPK: -0.4
13127-88-3	Phenol-d6	0.401		10-100		100	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.381		11-175		95	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.402		10-175		100	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.358		24-148		90	SPK: -0.4
1718-51-0	Terphenyl-d14	0.361		54-171		90	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3519	7.552				
1146-65-2	Naphthalene-d8	10510	10.325				
15067-26-2	Acenaphthene-d10	5856	14.199				
1517-22-2	Phenanthrene-d10	11004	16.967				
1719-03-5	Chrysene-d12	10223	21.175				
1520-96-3	Perylene-d12	12057	23.376				

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Report of Analysis

Client:				Date Collected:	7/9/2024 12:00:00 AM
Project:				Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-EB-20240709			SDG No.:	BN071524
Lab Sample ID:	P3222-02			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	850	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
BN032723.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.24	0.24	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.12	0.12	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.12	0.12	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.12	0.12	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.12	0.12	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.12	0.12	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.12	0.12	ug/L
Total PAH	Total PAH	0.54	U	0.54	0.12	1.92	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.12	0.12	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.16	U	0.16	0.24	0.24	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.12	0.12	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.12	0.12	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.12	0.12	ug/L
87-86-5	Pentachlorophenol	0.11	U	0.11	0.24	0.24	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.12	0.12	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.12	0.12	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.12	0.12	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.12	0.12	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.12	0.12	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.12	0.12	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.7		0.16	0.24	0.24	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.12	0.12	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.12	0.12	ug/L
50-32-8	Benzo(a)pyrene	0.07	U	0.07	0.12	0.12	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.12	0.12	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.05	0.12	0.12	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.12	0.12	ug/L
123-91-1	1,4-Dioxane	0.08	J	0.08	0.24	0.24	ug/L

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Report of Analysis

Client:				Date Collected:	7/9/2024 12:00:00 AM
Project:				Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-EB-20240709			SDG No.:	BN071524
Lab Sample ID:	P3222-02			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	850	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
BN032723.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.291		30-150		73	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.372		30-150		93	SPK: -0.4
367-12-4	2-Fluorophenol	0.146		10-92		36	SPK: -0.4
13127-88-3	Phenol-d6	0.061		10-100		15	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.27		11-175		68	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.311		10-175		78	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.271		24-148		68	SPK: -0.4
1718-51-0	Terphenyl-d14	0.411		54-171		103	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3378	7.559				
1146-65-2	Naphthalene-d8	10707	10.336				
15067-26-2	Acenaphthene-d10	6310	14.199				
1517-22-2	Phenanthrene-d10	12075	16.966				
1719-03-5	Chrysene-d12	11375	21.184				
1520-96-3	Perylene-d12	13355	23.382				

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Report of Analysis

Client:		Date Collected:	7/10/2024 12:00:00 AM
Project:		Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	VPB196-HYD-20240710	SDG No.:	BN071524
Lab Sample ID:	P3222-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	860 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
BN032724.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.23	0.23	ug/L
111-44-4	bis(2-Chloroethyl)ether	8.3	E	0.03	0.12	0.12	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.12	0.12	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.12	0.12	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.12	0.12	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.12	0.12	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.12	0.12	ug/L
Total PAH	Total PAH	0.54	U	0.54	0.12	1.92	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.12	0.12	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.16	U	0.16	0.23	0.23	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.12	0.12	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.12	0.12	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.12	0.12	ug/L
87-86-5	Pentachlorophenol	0.1	U	0.1	0.23	0.23	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.12	0.12	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.12	0.12	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.12	0.12	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.12	0.12	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.12	0.12	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.12	0.12	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.16	U	0.16	0.23	0.23	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.12	0.12	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.12	0.12	ug/L
50-32-8	Benzo(a)pyrene	0.07	U	0.07	0.12	0.12	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.12	0.12	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.05	0.12	0.12	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.12	0.12	ug/L
123-91-1	1,4-Dioxane	0.08	J	0.08	0.23	0.23	ug/L

CHEMTECH
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:				Date Collected:	7/10/2024 12:00:00 AM
Project:				Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	VPB196-HYD-20240710			SDG No.:	BN071524
Lab Sample ID:	P3222-03			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	860	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
BN032724.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0	U	30-150		0	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.137		30-150		34	SPK: -0.4
367-12-4	2-Fluorophenol	0.012	*	10-92		3	SPK: -0.4
13127-88-3	Phenol-d6	0.001	*	10-100		0	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.307		11-175		77	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.35		10-175		88	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.28		24-148		70	SPK: -0.4
1718-51-0	Terphenyl-d14	0.439		54-171		110	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3359	7.552				
1146-65-2	Naphthalene-d8	10241	10.336				
15067-26-2	Acenaphthene-d10	6142	14.199				
1517-22-2	Phenanthrene-d10	11842	16.967				
1719-03-5	Chrysene-d12	11388	21.184				
1520-96-3	Perylene-d12	13160	23.379				

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Report of Analysis

Client:				Date Collected:	7/10/2024 12:00:00 AM
Project:				Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	VBP189-HYD-20240710			SDG No.:	BN071524
Lab Sample ID:	P3229-02			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
BN032725.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

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	4.5		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
Total PAH	Total PAH	0.5	U	0.5	0.11	1.76	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.11	0.11	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	1.1		0.08	0.22	0.22	ug/L

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Report of Analysis

Client:				Date Collected:	7/10/2024 12:00:00 AM
Project:				Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	VBP189-HYD-20240710			SDG No.:	BN071524
Lab Sample ID:	P3229-02			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
BN032725.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.001	*	30-150		0	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.358		30-150		90	SPK: -0.4
367-12-4	2-Fluorophenol	0.11		10-92		28	SPK: -0.4
13127-88-3	Phenol-d6	0.003	*	10-100		1	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.31		11-175		77	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.366		10-175		91	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.312		24-148		78	SPK: -0.4
1718-51-0	Terphenyl-d14	0.469		54-171		117	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3372	7.559				
1146-65-2	Naphthalene-d8	10028	10.346				
15067-26-2	Acenaphthene-d10	6049	14.21				
1517-22-2	Phenanthrene-d10	11419	16.979				
1719-03-5	Chrysene-d12	10983	21.184				
1520-96-3	Perylene-d12	12608	23.381				

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Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-800-802	SDG No.:	BN071524
Lab Sample ID:	P3229-04	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	850 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
BN032726.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.24	0.24	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.12	0.12	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.12	0.12	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.12	0.12	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.12	0.12	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.12	0.12	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.12	0.12	ug/L
Total PAH	Total PAH	0.54	U	0.54	0.12	1.92	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.12	0.12	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.16	U	0.16	0.24	0.24	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.12	0.12	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.12	0.12	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.12	0.12	ug/L
87-86-5	Pentachlorophenol	0.11	U	0.11	0.24	0.24	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.12	0.12	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.12	0.12	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.12	0.12	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.12	0.12	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.12	0.12	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.12	0.12	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.28		0.16	0.24	0.24	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.12	0.12	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.12	0.12	ug/L
50-32-8	Benzo(a)pyrene	0.07	U	0.07	0.12	0.12	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.12	0.12	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.05	0.12	0.12	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.12	0.12	ug/L
123-91-1	1,4-Dioxane	0.22	J	0.08	0.24	0.24	ug/L

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Report of Analysis

Client:				Date Collected:	7/9/2024 12:00:00 AM
Project:				Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-800-802			SDG No.:	BN071524
Lab Sample ID:	P3229-04			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	850	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
BN032726.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30-150		85	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.396		30-150		99	SPK: -0.4
367-12-4	2-Fluorophenol	0.206		10-92		51	SPK: -0.4
13127-88-3	Phenol-d6	0.124		10-100		31	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.324		11-175		81	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.353		10-175		88	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.347		24-148		87	SPK: -0.4
1718-51-0	Terphenyl-d14	0.47		54-171		117	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3457	7.552				
1146-65-2	Naphthalene-d8	10522	10.325				
15067-26-2	Acenaphthene-d10	5694	14.199				
1517-22-2	Phenanthrene-d10	11163	16.966				
1719-03-5	Chrysene-d12	10104	21.184				
1520-96-3	Perylene-d12	9891	23.382				

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Report of Analysis

Client:				Date Collected:	7/10/2024 12:00:00 AM
Project:				Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	VPB196-HYD-20240710RE			SDG No.:	BN071524
Lab Sample ID:	P3222-03RE			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	860	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
BN032727.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.23	0.23	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.12	0.12	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.12	0.12	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.12	0.12	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.12	0.12	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.12	0.12	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.12	0.12	ug/L
Total PAH	Total PAH	0.54	U	0.54	0.12	1.92	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.12	0.12	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.16	U	0.16	0.23	0.23	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.12	0.12	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.12	0.12	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.12	0.12	ug/L
87-86-5	Pentachlorophenol	0.1	U	0.1	0.23	0.23	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.12	0.12	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.12	0.12	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.12	0.12	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.12	0.12	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.12	0.12	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.12	0.12	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.16	U	0.16	0.23	0.23	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.12	0.12	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.12	0.12	ug/L
50-32-8	Benzo(a)pyrene	0.07	U	0.07	0.12	0.12	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.12	0.12	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.05	0.12	0.12	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.12	0.12	ug/L
123-91-1	1,4-Dioxane	0.08	U	0.08	0.23	0.23	ug/L

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Report of Analysis

Client:				Date Collected:	7/10/2024 12:00:00 AM
Project:				Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	VPB196-HYD-20240710RE			SDG No.:	BN071524
Lab Sample ID:	P3222-03RE			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	860	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
BN032727.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.002	*	30-150		1	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.134		30-150		34	SPK: -0.4
367-12-4	2-Fluorophenol	0.013	*	10-92		3	SPK: -0.4
13127-88-3	Phenol-d6	0.001	*	10-100		0	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.308		11-175		77	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.363		10-175		91	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.284		24-148		71	SPK: -0.4
1718-51-0	Terphenyl-d14	0.439		54-171		110	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3432	7.552				
1146-65-2	Naphthalene-d8	10471	10.335				
15067-26-2	Acenaphthene-d10	5989	14.199				
1517-22-2	Phenanthrene-d10	11369	16.966				
1719-03-5	Chrysene-d12	10733	21.184				
1520-96-3	Perylene-d12	12214	23.381				

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Report of Analysis

Client:				Date Collected:	7/10/2024 12:00:00 AM
Project:				Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	VBP189-HYD-20240710RE			SDG No.:	BN071524
Lab Sample ID:	P3229-02RE			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
BN032728.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

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	0.03	U	0.03	0.11	0.11	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.11	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.11	0.11	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.11	0.11	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.11	0.11	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.11	0.11	ug/L
Total PAH	Total PAH	0.5	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	1.1		0.08	0.22	0.22	ug/L

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Report of Analysis

Client:				Date Collected:	7/10/2024 12:00:00 AM
Project:				Date Received:	7/10/2024 12:00:00 AM
Client Sample ID:	VBP189-HYD-20240710RE			SDG No.:	BN071524
Lab Sample ID:	P3229-02RE			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
BN032728.D	1	7/12/2024 12:00:00 AM	7/15/2024 12:00:00 AM	PB162031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.013	*	30-150		3	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.355		30-150		89	SPK: -0.4
367-12-4	2-Fluorophenol	0.108		10-92		27	SPK: -0.4
13127-88-3	Phenol-d6	0.002	*	10-100		1	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.309		11-175		77	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.365		10-175		91	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.296		24-148		74	SPK: -0.4
1718-51-0	Terphenyl-d14	0.478		54-171		119	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3597	7.559				
1146-65-2	Naphthalene-d8	10541	10.346				
15067-26-2	Acenaphthene-d10	6333	14.21				
1517-22-2	Phenanthrene-d10	11641	16.979				
1719-03-5	Chrysene-d12	10902	21.184				
1520-96-3	Perylene-d12	12021	23.385				

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Hit Summary Sheet
SW-846

SDG No.: BN071524

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**BP-VPB-196-EB-20240709**						
P3222-02	BP-VPB-196-EB-202407 Water	1,4-Dioxane	0.080	J	0.08	0.24	ug/L
P3222-02	BP-VPB-196-EB-202407 Water	Bis(2-ethylhexyl)phthalate	2.700		0.16	0.24	ug/L
		Total Svoc :			**2.78**		
		Total Concentration:			**2.78**		
Client ID :	**VPB196-HYD-20240710**						
P3222-03	VPB196-HYD-20240710 Water	1,4-Dioxane	0.080	J	0.08	0.23	ug/L
P3222-03	VPB196-HYD-20240710 Water	bis(2-Chloroethyl)ether	8.300	E	0.03	0.12	ug/L
		Total Svoc :			**8.38**		
		Total Concentration:			**8.38**		
Client ID :	**BP-VPB-196-GW-925-927**						
P3222-04	BP-VPB-196-GW-925-92 Water	Bis(2-ethylhexyl)phthalate	0.660		0.16	0.23	ug/L
		Total Svoc :			**0.66**		
		Total Concentration:			**0.66**		
Client ID :	**BP-VPB-196-GW-940-942**						
P3222-05	BP-VPB-196-GW-940-94 Water	Bis(2-ethylhexyl)phthalate	0.320		0.16	0.23	ug/L
		Total Svoc :			**0.32**		
		Total Concentration:			**0.32**		
Client ID :	**VBP189-HYD-20240710**						
P3229-02	VBP189-HYD-20240710 Water	1,4-Dioxane	1.100		0.08	0.22	ug/L
P3229-02	VBP189-HYD-20240710 Water	bis(2-Chloroethyl)ether	4.500		0.03	0.11	ug/L
		Total Svoc :			**5.60**		
		Total Concentration:			**5.60**		
Client ID :	**VBP189-HYD-20240710RE**						
P3229-02RE	VBP189-HYD-20240710 Water	1,4-Dioxane	1.100		0.08	0.22	ug/L
		Total Svoc :			**1.10**		
		Total Concentration:			**1.10**		
Client ID :	**BP-VPB-189-GW-800-802**						
P3229-04	BP-VPB-189-GW-800-8(Water	1,4-Dioxane	0.220	J	0.08	0.24	ug/L
P3229-04	BP-VPB-189-GW-800-8(Water	Bis(2-ethylhexyl)phthalate	0.280		0.16	0.24	ug/L
		Total Svoc :			**0.50**		
		Total Concentration:			**0.50**		

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN071124 SAS No.: BN071124 SDG No.: BN071124

Instrument ID: Calibration Date(s): 7/10/2024

Calibration Time(s): 15:54

LAB FILE ID: RRF0.1 = BN032616.D RRF0.2 = BN032617.D RRF0.4 = BN032618.D
RRF0.8 = BN032619.D RRF1.6 = BN032620.D RRF3.2 = BN032621.D

COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.594	0.576	0.597	0.657	0.650	0.596	0.612	5.0
Fluoranthene-d10	1.009	0.987	0.986	1.101	1.097	1.018	1.035	4.7
n-Nitrosodimethylamine	0.451	0.408	0.421	0.441	0.428	0.400	0.419	5.7
2-Fluorophenol	1.089	0.979	1.038	1.043	1.009	0.974	1.012	4.8
Phenol-d6	1.214	1.102	1.258	1.297	1.331	1.282	1.256	6.2
bis(2-Chloroethyl)ether	0.977	0.841	1.059	1.258	1.054	1.062	1.050	12.0
Nitrobenzene-d5	0.268	0.271	0.291	0.331	0.328	0.310	0.301	8.5
Naphthalene	1.116	1.074	1.103	1.173	1.147	1.071	1.108	3.7
Hexachlorobutadiene	0.228	0.216	0.214	0.222	0.212	0.197	0.212	5.9
2-Methylnaphthalene	0.677	0.665	0.697	0.784	0.785	0.720	0.724	6.6
2-Fluorobiphenyl	1.471	1.388	1.485	1.608	1.547	1.475	1.489	4.7
Acenaphthylene	1.493	1.457	1.495	1.715	1.765	1.718	1.627	8.5
Acenaphthene	1.117	1.088	1.142	1.251	1.212	1.134	1.153	5.0
Fluorene	1.504	1.473	1.523	1.674	1.635	1.470	1.541	5.2
4,6-Dinitro-2-methylphenol		0.028	0.034	0.053	0.065	0.071	0.056	39.5
2,4,6-Tribromophenol	0.168	0.150	0.153	0.174	0.183	0.173	0.171	9.4
4-Bromophenyl-phenylether	0.235	0.219	0.231	0.245	0.244	0.237	0.235	3.8
Hexachlorobenzene	0.270	0.254	0.258	0.277	0.272	0.262	0.263	3.9
Atrazine	0.164	0.156	0.155	0.182	0.188	0.177	0.173	8.6
Pentachlorophenol	0.113	0.080	0.081	0.093	0.100	0.103	0.098	14.1
Phenanthrene	1.036	0.986	1.058	1.197	1.172	1.108	1.093	6.8
Anthracene	0.760	0.742	0.789	0.963	1.024	1.001	0.900	14.4
Fluoranthene	1.263	1.235	1.250	1.418	1.430	1.316	1.323	6.0
Pyrene	1.719	1.569	1.692	1.772	1.676	1.506	1.634	6.6
Terphenyl-d14	0.861	0.794	0.846	0.886	0.841	0.744	0.820	6.4
Benzo(a)anthracene	1.224	1.077	1.198	1.352	1.336	1.313	1.265	8.2
Chrysene	1.490	1.507	1.549	1.597	1.576	1.397	1.504	5.2
Bis(2-ethylhexyl)phthalate	0.701	0.684	0.604	0.695	0.711	0.703	0.700	8.3
Benzo(b)fluoranthene	1.190	1.195	1.313	1.544	1.566	1.434	1.393	11.5
Benzo(k)fluoranthene	1.502	1.528	1.587	1.770	1.684	1.561	1.592	6.3
Benzo(a)pyrene	1.200	1.142	1.203	1.362	1.344	1.272	1.256	6.4
Indeno(1,2,3-cd)pyrene	1.547	1.410	1.534	1.674	1.629	1.704	1.577	6.4
Dibenzo(a,h)anthracene	1.180	1.116	1.215	1.323	1.294	1.362	1.245	6.9
Benzo(g,h,i)perylene	1.374	1.288	1.378	1.459	1.394	1.470	1.379	5.2
1,4-Dioxane	0.613	0.525	0.495	0.515	0.476	0.434	0.496	13.4

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.: BN071524 SAS No.: BN071524 SDG NO.: BN071524

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jul 15 2024 12:00AM

Lab File ID: BN032618.D Time Analyzed: 11:17

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	4288	7.567	13064	10.36	8572	14.21
	UPPER LIMIT	8576	8.067	26128	10.857	17144	14.71
	LOWER LIMIT	2144	7.067	6532	9.857	4286	13.71
	EPA SAMPLE NO.						
01	PB162031BL	4681	7.55	12870	10.34	7065	14.20
02	BP-VPB-196-GW-925-927	3461	7.55	10688	10.33	5705	14.20
03	BP-VPB-196-GW-940-942	3267	7.56	10022	10.33	5413	14.20
04	PB162031BS	3591	7.55	10761	10.33	5943	14.20
05	PB162031BSD	3519	7.55	10510	10.33	5856	14.20
06	BP-VPB-196-EB-20240709	3378	7.56	10707	10.34	6310	14.20
07	VPB196-HYD-20240710	3359	7.55	10241	10.34	6142	14.20
08	VBP189-HYD-20240710	3372	7.56	10028	10.35	6049	14.21
09	BP-VPB-189-GW-800-802	3457	7.55	10522	10.33	5694	14.20
10	VPB196-HYD-20240710RE	3432	7.55	10471	10.34	5989	14.20
11	VBP189-HYD-20240710RE	3597	7.56	10541	10.35	6333	14.21

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.

CHEMTECH
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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN071524 SAS No.: BN071524 SDG NO.: BN071524

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 15 2024 12:00AM

Lab File ID: BN032717.D Time Analyzed: 11:17

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	4462	7.545	13447	10.33	7382	14.19
	UPPER LIMIT	8924	8.045	26894	10.825	14764	14.689
	LOWER LIMIT	2231	7.045	6723.5	9.825	3691	13.689
	EPA SAMPLE NO.						
01	PB162031BL	4681	7.55	12870	10.34	7065	14.20
02	BP-VPB-196-GW-925-927	3461	7.55	10688	10.33	5705	14.20
03	BP-VPB-196-GW-940-942	3267	7.56	10022	10.33	5413	14.20
04	PB162031BS	3591	7.55	10761	10.33	5943	14.20
05	PB162031BSD	3519	7.55	10510	10.33	5856	14.20
06	BP-VPB-196-EB-20240709	3378	7.56	10707	10.34	6310	14.20
07	VPB196-HYD-20240710	3359	7.55	10241	10.34	6142	14.20
08	VBP189-HYD-20240710	3372	7.56	10028	10.35	6049	14.21
09	BP-VPB-189-GW-800-802	3457	7.55	10522	10.33	5694	14.20
10	VPB196-HYD-20240710RE	3432	7.55	10471	10.34	5989	14.20
11	VBP189-HYD-20240710RE	3597	7.56	10541	10.35	6333	14.21

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.: BN071524 SAS No.: BN071524 SDG NO.: BN071524

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jul 15 2024 12:00AM

Lab File ID: BN032618.D Time Analyzed: 11:17

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	18433	16.979	13897	21.193	13224	23.402
	UPPER LIMIT	36866	17.479	27794	21.693	26448	23.902
	LOWER LIMIT	9216.5	16.479	6948.5	20.693	6612	22.902
	EPA SAMPLE NO.						
01	PB162031BL	12177	16.97	13519	21.18	16944	23.37
02	BP-VPB-196-GW-925-927	11140	16.97	10613	21.18	12189	23.37
03	BP-VPB-196-GW-940-942	10431	16.97	9866	21.18	11503	23.37
04	PB162031BS	11089	16.97	10174	21.18	12188	23.38
05	PB162031BSD	11004	16.97	10223	21.18	12057	23.38
06	BP-VPB-196-EB-20240709	12075	16.97	11375	21.18	13355	23.38
07	VPB196-HYD-20240710	11842	16.97	11388	21.18	13160	23.38
08	VBP189-HYD-20240710	11419	16.98	10983	21.18	12608	23.38
09	BP-VPB-189-GW-800-802	11163	16.97	10104	21.18	9891	23.38
10	VPB196-HYD-20240710RE	11369	16.97	10733	21.18	12214	23.38
11	VBP189-HYD-20240710RE	11641	16.98	10902	21.18	12021	23.39

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.: BN071524 SAS No.: BN071524 SDG NO.: BN071524

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 15 2024 12:00AM

Lab File ID: BN032717.D Time Analyzed: 11:17

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	13280	16.954	12495	21.166	15169	23.364
	UPPER LIMIT	26560	17.454	24990	21.666	30338	23.864
	LOWER LIMIT	6640	16.454	6247.5	20.666	7584.5	22.864
	EPA SAMPLE NO.						
01	PB162031BL	12177	16.97	13519	21.18	16944	23.37
02	BP-VPB-196-GW-925-927	11140	16.97	10613	21.18	12189	23.37
03	BP-VPB-196-GW-940-942	10431	16.97	9866	21.18	11503	23.37
04	PB162031BS	11089	16.97	10174	21.18	12188	23.38
05	PB162031BSD	11004	16.97	10223	21.18	12057	23.38
06	BP-VPB-196-EB-20240709	12075	16.97	11375	21.18	13355	23.38
07	VPB196-HYD-20240710	11842	16.97	11388	21.18	13160	23.38
08	VBP189-HYD-20240710	11419	16.98	10983	21.18	12608	23.38
09	BP-VPB-189-GW-800-802	11163	16.97	10104	21.18	9891	23.38
10	VPB196-HYD-20240710RE	11369	16.97	10733	21.18	12214	23.38
11	VBP189-HYD-20240710RE	11641	16.98	10902	21.18	12021	23.39

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.: BN071524

Client:

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB162031BS	n-Nitrosodimethylamine	0.4	0.36	ug/L	90				33	130	
	bis(2-Chloroethyl)ether	0.4	0.37	ug/L	93				55	118	
	Naphthalene	0.4	0.39	ug/L	98				67	120	
	Hexachlorobutadiene	0.4	0.41	ug/L	103				33	114	
	2-Methylnaphthalene	0.4	0.36	ug/L	90				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	6.17	ug/L	96				65	119	
	Fluorene	0.4	0.36	ug/L	90				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.31	ug/L	78				20	150	
	4-Bromophenyl-phenylether	0.4	0.39	ug/L	98				20	150	
	Hexachlorobenzene	0.4	0.4	ug/L	100				62	127	
	Atrazine	0.4	0.4	ug/L	100				20	150	
	Pentachlorophenol	0.8	0.36	ug/L	45				10	137	
	Phenanthrene	0.4	0.37	ug/L	93				65	117	
	Anthracene	0.4	0.37	ug/L	93				57	118	
	Fluoranthene	0.4	0.4	ug/L	100				53	126	
	Pyrene	0.4	0.37	ug/L	93				54	124	
	Benzo(a)anthracene	0.4	0.42	ug/L	105				54	130	
	Chrysene	0.4	0.39	ug/L	98				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.5	ug/L	125				40	137	
	Benzo(b)fluoranthene	0.4	0.36	ug/L	90				65	121	
	Benzo(k)fluoranthene	0.4	0.36	ug/L	90				72	119	
	Benzo(a)pyrene	0.4	0.38	ug/L	95				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.41	ug/L	103				70	127	
	Dibenz(a,h)anthracene	0.4	0.41	ug/L	103				65	121	
	Benzo(g,h,i)perylene	0.4	0.4	ug/L	100				76	117	
	1,4-Dioxane	0.4	0.41	ug/L	103				60	132	
PB162031BSD	n-Nitrosodimethylamine	0.4	0.38	ug/L	95	5			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.36	ug/L	90	3			55	118	20
	Naphthalene	0.4	0.39	ug/L	98	0			67	120	20
	Hexachlorobutadiene	0.4	0.42	ug/L	105	2			33	114	20
	2-Methylnaphthalene	0.4	0.36	ug/L	90	0			50	122	20
	Acenaphthylene	0.4	0.39	ug/L	98	0			60	119	20
	Acenaphthene	0.4	0.39	ug/L	98	0			65	119	20
	Total PAH	6.4	6.16	ug/L	96	0			65	119	20
	Fluorene	0.4	0.36	ug/L	90	0			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.29	ug/L	73	7			20	150	20
	4-Bromophenyl-phenylether	0.4	0.38	ug/L	95	3			20	150	20
	Hexachlorobenzene	0.4	0.4	ug/L	100	0			62	127	20
	Atrazine	0.4	0.39	ug/L	98	3			20	150	20
	Pentachlorophenol	0.8	0.37	ug/L	46	3			10	137	20
	Phenanthrene	0.4	0.37	ug/L	93	0			65	117	20
	Anthracene	0.4	0.37	ug/L	93	0			57	118	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN071524

Client:

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB162031BSD	Fluoranthene	0.4	0.4	ug/L	100	0			53	126	20
	Pyrene	0.4	0.37	ug/L	93	0			54	124	20
	Benzo(a)anthracene	0.4	0.41	ug/L	103	2			54	130	20
	Chrysene	0.4	0.39	ug/L	98	0			64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.49	ug/L	123	2			40	137	20
	Benzo(b)fluoranthene	0.4	0.36	ug/L	90	0			65	121	20
	Benzo(k)fluoranthene	0.4	0.36	ug/L	90	0			72	119	20
	Benzo(a)pyrene	0.4	0.38	ug/L	95	0			68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.41	ug/L	103	0			70	127	20
	Dibenz(a,h)anthracene	0.4	0.41	ug/L	103	0			65	121	20
	Benzo(g,h,i)perylene	0.4	0.4	ug/L	100	0			76	117	20
	1,4-Dioxane	0.4	0.41	ug/L	103	0			60	132	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162031BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN071524 SAS No.: BN071524 SDG NO.: BN071524

Lab File ID: BN032718.D Lab Sample ID: PB162031BL

Instrument ID: BNA_N Date Extracted: 07/12/2024

Matrix: (soil/water) Water Date Analyzed: 07/15/2024

Level: (low/med) LOW Time Analyzed: 11:17

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BP-VPB-196-GW-925-927	P3222-04	BN032719.D	07/15/2024
BP-VPB-196-GW-940-942	P3222-05	BN032720.D	07/15/2024
PB162031BS	PB162031BS	BN032721.D	07/15/2024
PB162031BSD	PB162031BSD	BN032722.D	07/15/2024
BP-VPB-196-EB-20240709	P3222-02	BN032723.D	07/15/2024
VPB196-HYD-20240710	P3222-03	BN032724.D	07/15/2024
VBP189-HYD-20240710	P3229-02	BN032725.D	07/15/2024
BP-VPB-189-GW-800-802	P3229-04	BN032726.D	07/15/2024

COMMENTS:

CHEMTECH
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Surrogate Summary

SW-846

SDG No.: BN071524

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P3222-02	BP-VPB-196-EB-2(	BN032723.D	2-Methylnaphthalene-d10	0.4	0.29	73		30	150
			Fluoranthene-d10	0.4	0.37	93		30	150
			2-Fluorophenol	0.4	0.15	36		10	92
			Phenol-d6	0.4	0.06	15		10	100
			Nitrobenzene-d5	0.4	0.27	68		11	175
			2-Fluorobiphenyl	0.4	0.31	78		10	175
			2,4,6-Tribromophenol	0.4	0.27	68		24	148
			Terphenyl-d14	0.4	0.41	103		54	171
P3222-03	VPB196-HYD-202	BN032724.D	2-Methylnaphthalene-d10	0.4	0.00	0	*	30	150
			Fluoranthene-d10	0.4	0.14	34		30	150
			2-Fluorophenol	0.4	0.01	3	*	10	92
			Phenol-d6	0.4	0.00	0	*	10	100
			Nitrobenzene-d5	0.4	0.31	77		11	175
			2-Fluorobiphenyl	0.4	0.35	88		10	175
			2,4,6-Tribromophenol	0.4	0.28	70		24	148
			Terphenyl-d14	0.4	0.44	110		54	171
P3222-03RE	VPB196-HYD-202	BN032727.D	2-Methylnaphthalene-d10	0.4	0.00	1	*	30	150
			Fluoranthene-d10	0.4	0.13	34		30	150
			2-Fluorophenol	0.4	0.01	3	*	10	92
			Phenol-d6	0.4	0.00	0	*	10	100
			Nitrobenzene-d5	0.4	0.31	77		11	175
			2-Fluorobiphenyl	0.4	0.36	91		10	175
			2,4,6-Tribromophenol	0.4	0.28	71		24	148
			Terphenyl-d14	0.4	0.44	110		54	171
P3222-04	BP-VPB-196-GW-9	BN032719.D	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
			Fluoranthene-d10	0.4	0.39	97		30	150
			2-Fluorophenol	0.4	0.21	53		10	92
			Phenol-d6	0.4	0.13	33		10	100
			Nitrobenzene-d5	0.4	0.22	56		11	175
			2-Fluorobiphenyl	0.4	0.32	81		10	175
			2,4,6-Tribromophenol	0.4	0.32	80		24	148
			Terphenyl-d14	0.4	0.42	105		54	171
P3222-05	BP-VPB-196-GW-9	BN032720.D	2-Methylnaphthalene-d10	0.4	0.35	88		30	150
			Fluoranthene-d10	0.4	0.41	103		30	150
			2-Fluorophenol	0.4	0.28	69		10	92
			Phenol-d6	0.4	0.15	36		10	100
			Nitrobenzene-d5	0.4	0.38	94		11	175
			2-Fluorobiphenyl	0.4	0.42	104		10	175
			2,4,6-Tribromophenol	0.4	0.35	86		24	148
			Terphenyl-d14	0.4	0.46	114		54	171
P3229-02	VBP189-HYD-202	BN032725.D	2-Methylnaphthalene-d10	0.4	0.00	0	*	30	150
			Fluoranthene-d10	0.4	0.36	90		30	150
			2-Fluorophenol	0.4	0.11	28		10	92
			Phenol-d6	0.4	0.00	1	*	10	100
			Nitrobenzene-d5	0.4	0.31	77		11	175
			2-Fluorobiphenyl	0.4	0.37	91		10	175
			2,4,6-Tribromophenol	0.4	0.31	78		24	148
			Terphenyl-d14	0.4	0.47	117		54	171
P3229-02RE	VBP189-HYD-202	BN032728.D	2-Methylnaphthalene-d10	0.4	0.01	3	*	30	150

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Surrogate Summary

SW-846

SDG No.: BN071524

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P3229-02RE	VBP189-HYD-202	BN032728.D	Fluoranthene-d10	0.4	0.36	89		30	150
			2-Fluorophenol	0.4	0.11	27		10	92
			Phenol-d6	0.4	0.00	1	*	10	100
			Nitrobenzene-d5	0.4	0.31	77		11	175
			2-Fluorobiphenyl	0.4	0.37	91		10	175
			2,4,6-Tribromophenol	0.4	0.30	74		24	148
			Terphenyl-d14	0.4	0.48	119		54	171
P3229-04	BP-VPB-189-GW-8	BN032726.D	2-Methylnaphthalene-d10	0.4	0.34	85		30	150
			Fluoranthene-d10	0.4	0.40	99		30	150
			2-Fluorophenol	0.4	0.21	51		10	92
			Phenol-d6	0.4	0.12	31		10	100
			Nitrobenzene-d5	0.4	0.32	81		11	175
			2-Fluorobiphenyl	0.4	0.35	88		10	175
			2,4,6-Tribromophenol	0.4	0.35	87		24	148
			Terphenyl-d14	0.4	0.47	117		54	171
PB162031BL	PB162031BL	BN032718.D	2-Methylnaphthalene-d10	0.4	0.35	87		30	150
			Fluoranthene-d10	0.4	0.45	112		30	150
			2-Fluorophenol	0.4	0.46	116	*	10	92
			Phenol-d6	0.4	0.35	87		10	100
			Nitrobenzene-d5	0.4	0.36	91		11	175
			2-Fluorobiphenyl	0.4	0.39	97		10	175
			2,4,6-Tribromophenol	0.4	0.28	71		24	148
			Terphenyl-d14	0.4	0.38	96		54	171
PB162031BS	PB162031BS	BN032721.D	2-Methylnaphthalene-d10	0.4	0.37	93		30	150
			Fluoranthene-d10	0.4	0.41	102		30	150
			2-Fluorophenol	0.4	0.42	104	*	10	92
			Phenol-d6	0.4	0.41	102	*	10	100
			Nitrobenzene-d5	0.4	0.39	97		11	175
			2-Fluorobiphenyl	0.4	0.41	102		10	175
			2,4,6-Tribromophenol	0.4	0.36	89		24	148
			Terphenyl-d14	0.4	0.36	91		54	171
PB162031BSD	PB162031BSD	BN032722.D	2-Methylnaphthalene-d10	0.4	0.37	91		30	150
			Fluoranthene-d10	0.4	0.41	102		30	150
			2-Fluorophenol	0.4	0.42	104	*	10	92
			Phenol-d6	0.4	0.40	100		10	100
			Nitrobenzene-d5	0.4	0.38	95		11	175
			2-Fluorobiphenyl	0.4	0.40	100		10	175
			2,4,6-Tribromophenol	0.4	0.36	90		24	148
			Terphenyl-d14	0.4	0.36	90		54	171

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN071524

Lab Code: CHEM SAS No.: BN071524 SDG NO.: BN071524

Lab File ID: BN032716.D DFTPP Injection Date: 07/15/2024

Instrument ID: BNA_N DFTPP Injection Time: 10:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.4
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.4
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	46.2
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	11.2
442	Greater than 50% of mass 198	72.4
443	15.0 - 24.0% of mass 442	14.7 (20.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN032717.D	07/15/2024	10:41
PB162031BL	PB162031BL	BN032718.D	07/15/2024	11:17
BP-VPB-196-GW-925-927	P3222-04	BN032719.D	07/15/2024	11:53
BP-VPB-196-GW-940-942	P3222-05	BN032720.D	07/15/2024	12:29
PB162031BS	PB162031BS	BN032721.D	07/15/2024	13:05
PB162031BSD	PB162031BSD	BN032722.D	07/15/2024	13:41
BP-VPB-196-EB-20240709	P3222-02	BN032723.D	07/15/2024	14:18
VPB196-HYD-20240710	P3222-03	BN032724.D	07/15/2024	14:54
VBP189-HYD-20240710	P3229-02	BN032725.D	07/15/2024	15:30
BP-VPB-189-GW-800-802	P3229-04	BN032726.D	07/15/2024	16:06
VPB196-HYD-20240710RE	P3222-03RE	BN032727.D	07/15/2024	16:45
VBP189-HYD-20240710RE	P3229-02RE	BN032728.D	07/15/2024	17:21
SSTDCCC0.4EC	SSTDCCC0.4	BN032729.D	07/15/2024	17:58