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.: BN061924 SAS No.: BN061924 SDG No.: BN061924

Instrument ID: BNA_N Calibration Date/Time: 6/19/2024 12 10:52

Lab File ID: BN032064.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	0.637	0.629		-1.256	20.0
Fluoranthene-d10	1.089	1.001		-8.081	20.0
n-Nitrosodimethylamine	0.465	0.390		-16.129	20.0
2-Fluorophenol	1.137	0.966		-15.04	20.0
Phenol-d6	1.491	1.315		-11.804	20.0
bis(2-Chloroethyl)ether	1.284	1.097		-14.564	20.0
Nitrobenzene-d5	0.332	0.283		-14.759	20.0
Naphthalene	1.077	1.027		-4.643	20.0
Hexachlorobutadiene	0.188	0.185		-1.596	20.0
2-Methylnaphthalene	0.736	0.724		-1.63	20.0
2-Fluorobiphenyl	1.517	1.414		-6.79	20.0
Acenaphthylene	1.844	1.576		-14.534	20.0
Acenaphthene	1.187	1.084		-8.677	20.0
Fluorene	1.586	1.435		-9.521	20.0
4,6-Dinitro-2-methylphenol	0.069	0.023		-66.667	20.0
2,4,6-Tribromophenol	0.192	0.148		-22.917	20.0
4-Bromophenyl-phenylether	0.227	0.215		-5.286	20.0
Hexachlorobenzene	0.235	0.240		2.128	20.0
Atrazine	0.208	0.162		-22.115	20.0
Pentachlorophenol	0.117	0.076		-35.043	20.0
Phenanthrene	1.110	1.058		-4.685	20.0
Anthracene	1.030	0.924		-10.291	20.0
Fluoranthene	1.346	1.234		-8.321	20.0
Pyrene	1.589	1.567		-1.385	20.0
Terphenyl-d14	0.978	0.993		1.534	20.0
Benzo(a)anthracene	1.507	1.354		-10.153	20.0
Chrysene	1.424	1.349		-5.267	20.0
Bis(2-ethylhexyl)phthalate	1.029	0.848		-17.59	20.0
Benzo(b)fluoranthene	1.458	1.488		2.058	20.0
Benzo(k)fluoranthene	1.378	1.445		4.862	20.0
Benzo(a)pyrene	1.258	1.197		-4.849	20.0
Indeno(1,2,3-cd)pyrene	1.492	1.435		-3.82	20.0
Dibenzo(a,h)anthracene	1.176	1.148		-2.381	20.0
Benzo(g,h,i)perylene	1.263	1.211		-4.117	20.0
1,4-Dioxane	0.490	0.404		-17.551	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.: BN061924 SAS No.: BN061924 SDG No.: BN061924

Instrument ID: BNA_N Calibration Date/Time: 6/19/2024 12 16:54

Lab File ID: BN032072.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	0.637	0.636		-0.157	50.0
Fluoranthene-d10	1.089	1.015		-6.795	50.0
n-Nitrosodimethylamine	0.465	0.393		-15.484	50.0
2-Fluorophenol	1.137	0.957		-15.831	50.0
Phenol-d6	1.491	1.277		-14.353	50.0
bis(2-Chloroethyl)ether	1.284	1.081		-15.81	50.0
Nitrobenzene-d5	0.332	0.282		-15.06	50.0
Naphthalene	1.077	1.027		-4.643	50.0
Hexachlorobutadiene	0.188	0.187		-0.532	50.0
2-Methylnaphthalene	0.736	0.736		0.0	50.0
2-Fluorobiphenyl	1.517	1.416		-6.658	50.0
Acenaphthylene	1.844	1.571		-14.805	50.0
Acenaphthene	1.187	1.117		-5.897	50.0
Fluorene	1.586	1.483		-6.494	50.0
4,6-Dinitro-2-methylphenol	0.069	0.030		-56.522	50.0
2,4,6-Tribromophenol	0.192	0.151		-21.354	50.0
4-Bromophenyl-phenylether	0.227	0.218		-3.965	50.0
Hexachlorobenzene	0.235	0.236		0.426	50.0
Atrazine	0.208	0.163		-21.635	50.0
Pentachlorophenol	0.117	0.073		-37.607	50.0
Phenanthrene	1.110	1.070		-3.604	50.0
Anthracene	1.030	0.917		-10.971	50.0
Fluoranthene	1.346	1.255		-6.761	50.0
Pyrene	1.589	1.616		1.699	50.0
Terphenyl-d14	0.978	1.034		5.726	50.0
Benzo(a)anthracene	1.507	1.402		-6.967	50.0
Chrysene	1.424	1.377		-3.301	50.0
Bis(2-ethylhexyl)phthalate	1.029	0.829		-19.436	50.0
Benzo(b)fluoranthene	1.458	1.544		5.898	50.0
Benzo(k)fluoranthene	1.378	1.510		9.579	50.0
Benzo(a)pyrene	1.258	1.226		-2.544	50.0
Indeno(1,2,3-cd)pyrene	1.492	1.475		-1.139	50.0
Dibenzo(a,h)anthracene	1.176	1.187		0.935	50.0
Benzo(g,h,i)perylene	1.263	1.252		-0.871	50.0
1,4-Dioxane	0.490	0.422		-13.878	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.: BN061924 SAS No.: BN061924 SDG No.: BN061924

Instrument ID: BNA_N Calibration Date/Time: 6/19/2024 12 18:50

Lab File ID: BN032074.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	0.637	0.630		-1.099	20.0
Fluoranthene-d10	1.089	0.997		-8.448	20.0
n-Nitrosodimethylamine	0.465	0.397		-14.624	20.0
2-Fluorophenol	1.137	0.944		-16.974	20.0
Phenol-d6	1.491	1.260		-15.493	20.0
bis(2-Chloroethyl)ether	1.284	1.088		-15.265	20.0
Nitrobenzene-d5	0.332	0.278		-16.265	20.0
Naphthalene	1.077	1.022		-5.107	20.0
Hexachlorobutadiene	0.188	0.187		-0.532	20.0
2-Methylnaphthalene	0.736	0.733		-0.408	20.0
2-Fluorobiphenyl	1.517	1.441		-5.01	20.0
Acenaphthylene	1.844	1.579		-14.371	20.0
Acenaphthene	1.187	1.110		-6.487	20.0
Fluorene	1.586	1.489		-6.116	20.0
4,6-Dinitro-2-methylphenol	0.069	0.029		-57.971	20.0
2,4,6-Tribromophenol	0.192	0.148		-22.917	20.0
4-Bromophenyl-phenylether	0.227	0.220		-3.084	20.0
Hexachlorobenzene	0.235	0.244		3.83	20.0
Atrazine	0.208	0.160		-23.077	20.0
Pentachlorophenol	0.117	0.072		-38.462	20.0
Phenanthrene	1.110	1.085		-2.252	20.0
Anthracene	1.030	0.924		-10.291	20.0
Fluoranthene	1.346	1.246		-7.429	20.0
Pyrene	1.589	1.637		3.021	20.0
Terphenyl-d14	0.978	1.035		5.828	20.0
Benzo(a)anthracene	1.507	1.386		-8.029	20.0
Chrysene	1.424	1.369		-3.862	20.0
Bis(2-ethylhexyl)phthalate	1.029	0.832		-19.145	20.0
Benzo(b)fluoranthene	1.458	1.538		5.487	20.0
Benzo(k)fluoranthene	1.378	1.483		7.62	20.0
Benzo(a)pyrene	1.258	1.248		-0.795	20.0
Indeno(1,2,3-cd)pyrene	1.492	1.488		-0.268	20.0
Dibenzo(a,h)anthracene	1.176	1.192		1.361	20.0
Benzo(g,h,i)perylene	1.263	1.265		0.158	20.0
1,4-Dioxane	0.490	0.424		-13.469	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.: BN061924 SAS No.: BN061924 SDG No.: BN061924

Instrument ID: BNA_N Calibration Date/Time: 6/20/2024 12 05:05

Lab File ID: BN032091.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	0.637	0.634		-0.471	50.0
Fluoranthene-d10	1.089	0.919		-15.611	50.0
n-Nitrosodimethylamine	0.465	0.382		-17.849	50.0
2-Fluorophenol	1.137	0.924		-18.734	50.0
Phenol-d6	1.491	1.276		-14.42	50.0
bis(2-Chloroethyl)ether	1.284	1.071		-16.589	50.0
Nitrobenzene-d5	0.332	0.271		-18.373	50.0
Naphthalene	1.077	1.032		-4.178	50.0
Hexachlorobutadiene	0.188	0.184		-2.128	50.0
2-Methylnaphthalene	0.736	0.735		-0.136	50.0
2-Fluorobiphenyl	1.517	1.435		-5.405	50.0
Acenaphthylene	1.844	1.542		-16.377	50.0
Acenaphthene	1.187	1.097		-7.582	50.0
Fluorene	1.586	1.458		-8.071	50.0
4,6-Dinitro-2-methylphenol	0.069	0.035		-49.275	50.0
2,4,6-Tribromophenol	0.192	0.134		-30.208	50.0
4-Bromophenyl-phenylether	0.227	0.224		-1.322	50.0
Hexachlorobenzene	0.235	0.244		3.83	50.0
Atrazine	0.208	0.156		-25.0	50.0
Pentachlorophenol	0.117	0.065		-44.444	50.0
Phenanthrene	1.110	1.065		-4.054	50.0
Anthracene	1.030	0.901		-12.524	50.0
Fluoranthene	1.346	1.148		-14.71	50.0
Pyrene	1.589	1.777		11.831	50.0
Terphenyl-d14	0.978	1.149		17.485	50.0
Benzo(a)anthracene	1.507	1.319		-12.475	50.0
Chrysene	1.424	1.377		-3.301	50.0
Bis(2-ethylhexyl)phthalate	1.029	0.726		-29.446	50.0
Benzo(b)fluoranthene	1.458	1.561		7.064	50.0
Benzo(k)fluoranthene	1.378	1.501		8.926	50.0
Benzo(a)pyrene	1.258	1.260		0.159	50.0
Indeno(1,2,3-cd)pyrene	1.492	1.568		5.094	50.0
Dibenzo(a,h)anthracene	1.176	1.261		7.228	50.0
Benzo(g,h,i)perylene	1.263	1.352		7.047	50.0
1,4-Dioxane	0.490	0.416		-15.102	50.0

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Report of Analysis

Client:				Date Collected:	6/18/2024 12:00:00 AM
Project:				Date Received:	6/18/2024 12:00:00 AM
Client Sample ID:	PB161548BL			SDG No.:	BN061924
Lab Sample ID:	PB161548BL			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
BN032065.D	1	6/18/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161548

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:	6/18/2024 12:00:00 AM
Project:				Date Received:	6/18/2024 12:00:00 AM
Client Sample ID:	PB161548BL			SDG No.:	BN061924
Lab Sample ID:	PB161548BL			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
BN032065.D	1	6/18/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161548

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30-150		88	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.349		30-150		87	SPK: -0.4
367-12-4	2-Fluorophenol	0.369		10-92		92	SPK: -0.4
13127-88-3	Phenol-d6	0.326		10-100		81	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.314		11-175		79	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.345		10-175		86	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.256		24-148		64	SPK: -0.4
1718-51-0	Terphenyl-d14	0.387		54-171		97	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8373	7.646				
1146-65-2	Naphthalene-d8	28141	10.421				
15067-26-2	Acenaphthene-d10	18400	14.285				
1517-22-2	Phenanthrene-d10	38895	17.041				
1719-03-5	Chrysene-d12	29616	21.238				
1520-96-3	Perylene-d12	28053	23.458				

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Report of Analysis

Client:		Date Collected:	6/13/2024 12:00:00 AM
Project:		Date Received:	6/13/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-520-522	SDG No.:	BN061924
Lab Sample ID:	P2928-01	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	780 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
BN032066.D	1	6/18/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161548

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.26	0.26	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.13	0.13	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.13	0.13	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.13	0.13	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.13	0.13	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.13	0.13	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.13	0.13	ug/L
Total PAH	Total PAH	0.66	U	0.59	0.13	2.08	ug/L
86-73-7	Fluorene	0.03	J	0.02	0.13	0.13	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.18	U	0.18	0.26	0.26	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.13	0.13	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	0.13	0.13	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.13	0.13	ug/L
87-86-5	Pentachlorophenol	0.12	U	0.12	0.26	0.26	ug/L
85-01-8	Phenanthrene	0.05	J	0.03	0.13	0.13	ug/L
120-12-7	Anthracene	0.04	J	0.03	0.13	0.13	ug/L
206-44-0	Fluoranthene	0.06	J	0.03	0.13	0.13	ug/L
129-00-0	Pyrene	0.06	J	0.03	0.13	0.13	ug/L
56-55-3	Benzo(a)anthracene	0.06	J	0.03	0.13	0.13	ug/L
218-01-9	Chrysene	0.06	J	0.03	0.13	0.13	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.18	U	0.18	0.26	0.26	ug/L
205-99-2	Benzo(b)fluoranthene	0.07	J	0.04	0.13	0.13	ug/L
207-08-9	Benzo(k)fluoranthene	0.07	J	0.04	0.13	0.13	ug/L
50-32-8	Benzo(a)pyrene	0.07	U	0.07	0.13	0.13	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.06	J	0.05	0.13	0.13	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	J	0.05	0.13	0.13	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	J	0.05	0.13	0.13	ug/L
123-91-1	1,4-Dioxane	0.09	U	0.09	0.26	0.26	ug/L

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Report of Analysis

Client:				Date Collected:	6/13/2024 12:00:00 AM
Project:				Date Received:	6/13/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-520-522			SDG No.:	BN061924
Lab Sample ID:	P2928-01			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	780	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
BN032066.D	1	6/18/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161548

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.269		30-150		67	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.312		30-150		78	SPK: -0.4
367-12-4	2-Fluorophenol	0.134		10-92		34	SPK: -0.4
13127-88-3	Phenol-d6	0.092		10-100		23	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.236		11-175		59	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.299		10-175		75	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.242		24-148		60	SPK: -0.4
1718-51-0	Terphenyl-d14	0.468		54-171		117	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7806	7.646				
1146-65-2	Naphthalene-d8	26887	10.421				
15067-26-2	Acenaphthene-d10	17801	14.285				
1517-22-2	Phenanthrene-d10	39476	17.041				
1719-03-5	Chrysene-d12	31210	21.229				
1520-96-3	Perylene-d12	29208	23.455				

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Report of Analysis

Client:		Date Collected:	6/13/2024 12:00:00 AM
Project:		Date Received:	6/13/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-520-522MS	SDG No.:	BN061924
Lab Sample ID:	P2928-02MS	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	660 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
BN032067.D	1	6/18/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161548

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.24	J	0.05	0.3	0.3	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.38		0.04	0.15	0.15	ug/L
91-20-3	Naphthalene	0.42		0.04	0.15	0.15	ug/L
87-68-3	Hexachlorobutadiene	0.39		0.04	0.15	0.15	ug/L
91-57-6	2-Methylnaphthalene	0.44		0.05	0.15	0.15	ug/L
208-96-8	Acenaphthylene	0.44		0.03	0.15	0.15	ug/L
83-32-9	Acenaphthene	0.44		0.03	0.15	0.15	ug/L
Total PAH	Total PAH	8.67		0.69	0.15	2.4	ug/L
86-73-7	Fluorene	0.47		0.03	0.15	0.15	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.47		0.21	0.3	0.3	ug/L
101-55-3	4-Bromophenyl-phenylether	0.47		0.04	0.15	0.15	ug/L
118-74-1	Hexachlorobenzene	0.47		0.04	0.15	0.15	ug/L
1912-24-9	Atrazine	0.39		0.03	0.15	0.15	ug/L
87-86-5	Pentachlorophenol	1		0.14	0.3	0.3	ug/L
85-01-8	Phenanthrene	0.56		0.03	0.15	0.15	ug/L
120-12-7	Anthracene	0.53		0.04	0.15	0.15	ug/L
206-44-0	Fluoranthene	0.56		0.03	0.15	0.15	ug/L
129-00-0	Pyrene	0.6		0.03	0.15	0.15	ug/L
56-55-3	Benzo(a)anthracene	0.58		0.03	0.15	0.15	ug/L
218-01-9	Chrysene	0.57		0.04	0.15	0.15	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.61		0.21	0.3	0.3	ug/L
205-99-2	Benzo(b)fluoranthene	0.6		0.05	0.15	0.15	ug/L
207-08-9	Benzo(k)fluoranthene	0.64		0.05	0.15	0.15	ug/L
50-32-8	Benzo(a)pyrene	0.58		0.08	0.15	0.15	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.58		0.06	0.15	0.15	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.58		0.06	0.15	0.15	ug/L
191-24-2	Benzo(g,h,i)perylene	0.52		0.06	0.15	0.15	ug/L
123-91-1	1,4-Dioxane	0.65		0.1	0.3	0.3	ug/L

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Report of Analysis

Client:				Date Collected:	6/13/2024 12:00:00 AM
Project:				Date Received:	6/13/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-520-522MS			SDG No.:	BN061924
Lab Sample ID:	P2928-02MS			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	660	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
BN032067.D	1	6/18/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161548

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.321		30-150		80	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.314		30-150		79	SPK: -0.4
367-12-4	2-Fluorophenol	0.172		10-92		43	SPK: -0.4
13127-88-3	Phenol-d6	0.129		10-100		32	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.258		11-175		64	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.335		10-175		84	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.303		24-148		76	SPK: -0.4
1718-51-0	Terphenyl-d14	0.441		54-171		110	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7489	7.646				
1146-65-2	Naphthalene-d8	25644	10.421				
15067-26-2	Acenaphthene-d10	17097	14.285				
1517-22-2	Phenanthrene-d10	37783	17.029				
1719-03-5	Chrysene-d12	30898	21.229				
1520-96-3	Perylene-d12	26802	23.455				

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Report of Analysis

Client:				Date Collected:	6/13/2024 12:00:00 AM
Project:				Date Received:	6/13/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-520-522MSD			SDG No.:	BN061924
Lab Sample ID:	P2928-03MSD			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	700	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
BN032068.D	1	6/18/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161548

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.22	J	0.04	0.29	0.29	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.36		0.04	0.14	0.14	ug/L
91-20-3	Naphthalene	0.39		0.03	0.14	0.14	ug/L
87-68-3	Hexachlorobutadiene	0.37		0.04	0.14	0.14	ug/L
91-57-6	2-Methylnaphthalene	0.42		0.04	0.14	0.14	ug/L
208-96-8	Acenaphthylene	0.42		0.03	0.14	0.14	ug/L
83-32-9	Acenaphthene	0.41		0.03	0.14	0.14	ug/L
Total PAH	Total PAH	8.19		0.65	0.14	2.24	ug/L
86-73-7	Fluorene	0.45		0.03	0.14	0.14	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.45		0.2	0.29	0.29	ug/L
101-55-3	4-Bromophenyl-phenylether	0.45		0.04	0.14	0.14	ug/L
118-74-1	Hexachlorobenzene	0.44		0.04	0.14	0.14	ug/L
1912-24-9	Atrazine	0.37		0.03	0.14	0.14	ug/L
87-86-5	Pentachlorophenol	0.94		0.13	0.29	0.29	ug/L
85-01-8	Phenanthrene	0.53		0.03	0.14	0.14	ug/L
120-12-7	Anthracene	0.51		0.03	0.14	0.14	ug/L
206-44-0	Fluoranthene	0.52		0.03	0.14	0.14	ug/L
129-00-0	Pyrene	0.57		0.03	0.14	0.14	ug/L
56-55-3	Benzo(a)anthracene	0.54		0.03	0.14	0.14	ug/L
218-01-9	Chrysene	0.54		0.04	0.14	0.14	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.58		0.2	0.29	0.29	ug/L
205-99-2	Benzo(b)fluoranthene	0.57		0.05	0.14	0.14	ug/L
207-08-9	Benzo(k)fluoranthene	0.59		0.05	0.14	0.14	ug/L
50-32-8	Benzo(a)pyrene	0.55		0.08	0.14	0.14	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.55		0.05	0.14	0.14	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.55		0.06	0.14	0.14	ug/L
191-24-2	Benzo(g,h,i)perylene	0.5		0.05	0.14	0.14	ug/L
123-91-1	1,4-Dioxane	0.61		0.1	0.29	0.29	ug/L

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Report of Analysis

Client:				Date Collected:	6/13/2024 12:00:00 AM
Project:				Date Received:	6/13/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-520-522MSD			SDG No.:	BN061924
Lab Sample ID:	P2928-03MSD			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	700	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
BN032068.D	1	6/18/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161548

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.323		30-150		81	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.312		30-150		78	SPK: -0.4
367-12-4	2-Fluorophenol	0.172		10-92		43	SPK: -0.4
13127-88-3	Phenol-d6	0.131		10-100		33	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.26		11-175		65	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.337		10-175		84	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.3		24-148		75	SPK: -0.4
1718-51-0	Terphenyl-d14	0.45		54-171		113	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7740	7.646				
1146-65-2	Naphthalene-d8	26557	10.421				
15067-26-2	Acenaphthene-d10	17729	14.285				
1517-22-2	Phenanthrene-d10	39144	17.029				
1719-03-5	Chrysene-d12	31407	21.238				
1520-96-3	Perylene-d12	27363	23.458				

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Report of Analysis

Client:				Date Collected:	6/13/2024 12:00:00 AM
Project:				Date Received:	6/13/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-520-562			SDG No.:	BN061924
Lab Sample ID:	P2928-04			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	780	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
BN032069.D	1	6/18/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161548

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.26	0.26	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.13	0.13	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.13	0.13	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.13	0.13	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.13	0.13	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.13	0.13	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.13	0.13	ug/L
Total PAH	Total PAH	0.59	U	0.59	0.13	2.08	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.13	0.13	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.18	U	0.18	0.26	0.26	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.13	0.13	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	0.13	0.13	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.13	0.13	ug/L
87-86-5	Pentachlorophenol	0.12	U	0.12	0.26	0.26	ug/L
85-01-8	Phenanthrene	0.03	J	0.03	0.13	0.13	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.13	0.13	ug/L
206-44-0	Fluoranthene	0.03	J	0.03	0.13	0.13	ug/L
129-00-0	Pyrene	0.03	J	0.03	0.13	0.13	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.13	0.13	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.13	0.13	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.25	J	0.18	0.26	0.26	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.13	0.13	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.13	0.13	ug/L
50-32-8	Benzo(a)pyrene	0.07	U	0.07	0.13	0.13	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.05	U	0.05	0.13	0.13	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.05	0.13	0.13	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	U	0.05	0.13	0.13	ug/L
123-91-1	1,4-Dioxane	0.09	U	0.09	0.26	0.26	ug/L

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Report of Analysis

Client:				Date Collected:	6/13/2024 12:00:00 AM
Project:				Date Received:	6/13/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-520-562			SDG No.:	BN061924
Lab Sample ID:	P2928-04			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	780	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
BN032069.D	1	6/18/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161548

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.249		30-150		62	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.206		30-150		51	SPK: -0.4
367-12-4	2-Fluorophenol	0.116		10-92		29	SPK: -0.4
13127-88-3	Phenol-d6	0.083		10-100		21	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.223		11-175		56	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.319		10-175		80	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.2		24-148		50	SPK: -0.4
1718-51-0	Terphenyl-d14	0.281		54-171		70	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7152	7.646				
1146-65-2	Naphthalene-d8	24274	10.421				
15067-26-2	Acenaphthene-d10	15743	14.285				
1517-22-2	Phenanthrene-d10	34544	17.029				
1719-03-5	Chrysene-d12	27996	21.238				
1520-96-3	Perylene-d12	28932	23.458				

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Report of Analysis

Client:				Date Collected:	6/14/2024 12:00:00 AM
Project:				Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-540-542			SDG No.:	BN061924
Lab Sample ID:	P2928-05			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	730	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
BN032070.D	1	6/18/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161548

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.27	0.27	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.14	0.14	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.14	0.14	ug/L
87-68-3	Hexachlorobutadiene	0.04	U	0.04	0.14	0.14	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.14	0.14	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.14	0.14	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.14	0.14	ug/L
Total PAH	Total PAH	0.62	U	0.62	0.14	2.24	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.14	0.14	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	0.19	0.27	0.27	ug/L
101-55-3	4-Bromophenyl-phenylether	0.04	U	0.04	0.14	0.14	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	0.14	0.14	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.14	0.14	ug/L
87-86-5	Pentachlorophenol	0.12	U	0.12	0.27	0.27	ug/L
85-01-8	Phenanthrene	0.03	U	0.03	0.14	0.14	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.14	0.14	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.14	0.14	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.14	0.14	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.14	0.14	ug/L
218-01-9	Chrysene	0.04	U	0.04	0.14	0.14	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.2	J	0.19	0.27	0.27	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.14	0.14	ug/L
207-08-9	Benzo(k)fluoranthene	0.05	U	0.05	0.14	0.14	ug/L
50-32-8	Benzo(a)pyrene	0.08	U	0.08	0.14	0.14	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.05	U	0.05	0.14	0.14	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.05	0.14	0.14	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	U	0.05	0.14	0.14	ug/L
123-91-1	1,4-Dioxane	0.09	U	0.09	0.27	0.27	ug/L

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Report of Analysis

Client:				Date Collected:	6/14/2024 12:00:00 AM
Project:				Date Received:	6/14/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-540-542			SDG No.:	BN061924
Lab Sample ID:	P2928-05			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	730	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
BN032070.D	1	6/18/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161548

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.351		30-150		88	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.302		30-150		75	SPK: -0.4
367-12-4	2-Fluorophenol	0.17		10-92		43	SPK: -0.4
13127-88-3	Phenol-d6	0.118		10-100		29	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.306		11-175		76	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.418		10-175		104	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.289		24-148		72	SPK: -0.4
1718-51-0	Terphenyl-d14	0.38		54-171		95	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7859	7.646				
1146-65-2	Naphthalene-d8	26536	10.421				
15067-26-2	Acenaphthene-d10	17524	14.285				
1517-22-2	Phenanthrene-d10	39093	17.041				
1719-03-5	Chrysene-d12	31140	21.238				
1520-96-3	Perylene-d12	26754	23.461				

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Report of Analysis

Client:				Date Collected:	6/18/2024 12:00:00 AM
Project:				Date Received:	6/18/2024 12:00:00 AM
Client Sample ID:	PB161548BS			SDG No.:	BN061924
Lab Sample ID:	PB161548BS			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
BN032071.D	1	6/18/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161548

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.34		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.33		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.38		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.39		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.4		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	0.37		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.15		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.37		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.33		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	0.32		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	0.36		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.38		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.4		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.37		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.38		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.34		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.42		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.43		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.39		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	0.39		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.35		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	6/18/2024 12:00:00 AM
Project:				Date Received:	6/18/2024 12:00:00 AM
Client Sample ID:	PB161548BS			SDG No.:	BN061924
Lab Sample ID:	PB161548BS			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
BN032071.D	1	6/18/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161548

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.395		30-150		99	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.38		30-150		95	SPK: -0.4
367-12-4	2-Fluorophenol	0.344		10-92		86	SPK: -0.4
13127-88-3	Phenol-d6	0.345		10-100		86	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.341		11-175		85	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.37		10-175		93	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.322		24-148		81	SPK: -0.4
1718-51-0	Terphenyl-d14	0.409		54-171		102	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6622	7.646				
1146-65-2	Naphthalene-d8	23171	10.421				
15067-26-2	Acenaphthene-d10	16079	14.285				
1517-22-2	Phenanthrene-d10	36081	17.029				
1719-03-5	Chrysene-d12	29710	21.238				
1520-96-3	Perylene-d12	25960	23.461				

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Report of Analysis

Client:				Date Collected:	6/11/2024 12:00:00 AM
Project:				Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	PB161445BL			SDG No.:	BN061924
Lab Sample ID:	PB161445BL			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
BN032075.D	1	6/11/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161445

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:	6/11/2024 12:00:00 AM
Project:				Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	PB161445BL			SDG No.:	BN061924
Lab Sample ID:	PB161445BL			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
BN032075.D	1	6/11/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.3		30-150		75	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.297		30-150		74	SPK: -0.4
367-12-4	2-Fluorophenol	0.299		10-92		75	SPK: -0.4
13127-88-3	Phenol-d6	0.253		10-100		63	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.279		11-175		70	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.318		10-175		79	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.188		24-148		47	SPK: -0.4
1718-51-0	Terphenyl-d14	0.367		54-171		92	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7428	7.646				
1146-65-2	Naphthalene-d8	24352	10.421				
15067-26-2	Acenaphthene-d10	15812	14.285				
1517-22-2	Phenanthrene-d10	34457	17.041				
1719-03-5	Chrysene-d12	25414	21.238				
1520-96-3	Perylene-d12	21800	23.458				

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Report of Analysis

Client:		Date Collected:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-280-282	SDG No.:	BN061924
Lab Sample ID:	P2838-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	800 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
BN032076.D	1	6/11/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.25	0.25	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.13	0.13	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.13	0.13	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.13	0.13	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.13	0.13	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.13	0.13	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.13	0.13	ug/L
Total PAH	Total PAH	0.59	U	0.59	0.13	2.08	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.13	0.13	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.18	U	0.18	0.25	0.25	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.13	0.13	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	0.13	0.13	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.13	0.13	ug/L
87-86-5	Pentachlorophenol	0.11	U	0.11	0.25	0.25	ug/L
85-01-8	Phenanthrene	0.03	J	0.03	0.13	0.13	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.13	0.13	ug/L
206-44-0	Fluoranthene	0.04	J	0.03	0.13	0.13	ug/L
129-00-0	Pyrene	0.04	J	0.03	0.13	0.13	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.13	0.13	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.13	0.13	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.18	U	0.18	0.25	0.25	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	J	0.04	0.13	0.13	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.13	0.13	ug/L
50-32-8	Benzo(a)pyrene	0.07	U	0.07	0.13	0.13	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.05	U	0.05	0.13	0.13	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.05	0.13	0.13	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	U	0.05	0.13	0.13	ug/L
123-91-1	1,4-Dioxane	0.34		0.09	0.25	0.25	ug/L

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Report of Analysis

Client:				Date Collected:	6/6/2024 12:00:00 AM
Project:				Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-280-282			SDG No.:	BN061924
Lab Sample ID:	P2838-02			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	800	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
BN032076.D	1	6/11/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30-150		70	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.316		30-150		79	SPK: -0.4
367-12-4	2-Fluorophenol	0.122		10-92		31	SPK: -0.4
13127-88-3	Phenol-d6	0.072		10-100		18	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.242		11-175		60	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.297		10-175		74	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.203		24-148		51	SPK: -0.4
1718-51-0	Terphenyl-d14	0.466		54-171		116	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7329	7.646				
1146-65-2	Naphthalene-d8	25401	10.421				
15067-26-2	Acenaphthene-d10	17029	14.285				
1517-22-2	Phenanthrene-d10	37536	17.041				
1719-03-5	Chrysene-d12	27855	21.229				
1520-96-3	Perylene-d12	22983	23.455				

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Report of Analysis

Client:				Date Collected:	6/6/2024 12:00:00 AM
Project:				Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-300-302			SDG No.:	BN061924
Lab Sample ID:	P2838-03			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	790	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
BN032077.D	1	6/11/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.25	0.25	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.13	0.13	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.13	0.13	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.13	0.13	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.13	0.13	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.13	0.13	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.13	0.13	ug/L
Total PAH	Total PAH	0.59	U	0.59	0.13	2.08	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.13	0.13	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.18	U	0.18	0.25	0.25	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.13	0.13	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	0.13	0.13	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.13	0.13	ug/L
87-86-5	Pentachlorophenol	0.11	U	0.11	0.25	0.25	ug/L
85-01-8	Phenanthrene	0.03	U	0.03	0.13	0.13	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.13	0.13	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.13	0.13	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.13	0.13	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.13	0.13	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.13	0.13	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.18	U	0.18	0.25	0.25	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.13	0.13	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.13	0.13	ug/L
50-32-8	Benzo(a)pyrene	0.07	U	0.07	0.13	0.13	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.05	U	0.05	0.13	0.13	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.05	0.13	0.13	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	U	0.05	0.13	0.13	ug/L
123-91-1	1,4-Dioxane	0.14	J	0.09	0.25	0.25	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:	6/6/2024 12:00:00 AM
Project:				Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-300-302			SDG No.:	BN061924
Lab Sample ID:	P2838-03			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	790	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
BN032077.D	1	6/11/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.273		30-150		68	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.271		30-150		68	SPK: -0.4
367-12-4	2-Fluorophenol	0.126		10-92		31	SPK: -0.4
13127-88-3	Phenol-d6	0.078		10-100		20	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.244		11-175		61	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.301		10-175		75	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.203		24-148		51	SPK: -0.4
1718-51-0	Terphenyl-d14	0.393		54-171		98	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8359	7.646				
1146-65-2	Naphthalene-d8	28055	10.421				
15067-26-2	Acenaphthene-d10	17661	14.285				
1517-22-2	Phenanthrene-d10	36724	17.041				
1719-03-5	Chrysene-d12	26536	21.229				
1520-96-3	Perylene-d12	26001	23.452				

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Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-320-322	SDG No.:	BN061924
Lab Sample ID:	P2838-04	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	810 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
BN032078.D	1	6/11/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.25	0.25	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	0.03	U	0.03	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	0.57	U	0.57	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	0.17	U	0.17	0.25	0.25	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.12	0.12	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	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	0.25	0.25	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	0.17	U	0.17	0.25	0.25	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	0.05	U	0.05	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	0.05	U	0.05	0.12	0.12	ug/L
123-91-1	1,4-Dioxane	0.1	J	0.08	0.25	0.25	ug/L

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Report of Analysis

Client:				Date Collected:	6/7/2024 12:00:00 AM
Project:				Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-320-322			SDG No.:	BN061924
Lab Sample ID:	P2838-04			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	810	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
BN032078.D	1	6/11/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.294		30-150		74	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.327		30-150		82	SPK: -0.4
367-12-4	2-Fluorophenol	0.111		10-92		28	SPK: -0.4
13127-88-3	Phenol-d6	0.061		10-100		15	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.252		11-175		63	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.301		10-175		75	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.231		24-148		58	SPK: -0.4
1718-51-0	Terphenyl-d14	0.45		54-171		113	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7351	7.646				
1146-65-2	Naphthalene-d8	25308	10.421				
15067-26-2	Acenaphthene-d10	17199	14.285				
1517-22-2	Phenanthrene-d10	38505	17.041				
1719-03-5	Chrysene-d12	28596	21.229				
1520-96-3	Perylene-d12	23377	23.455				

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Report of Analysis

Client:				Date Collected:	6/7/2024 12:00:00 AM
Project:				Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-DUP-20240607			SDG No.:	BN061924
Lab Sample ID:	P2838-05			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	710	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
BN032079.D	1	6/11/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.28	0.28	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.14	0.14	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.14	0.14	ug/L
87-68-3	Hexachlorobutadiene	0.04	U	0.04	0.14	0.14	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.14	0.14	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.14	0.14	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.14	0.14	ug/L
Total PAH	Total PAH	0.64	U	0.64	0.14	2.24	ug/L
86-73-7	Fluorene	0.03	U	0.03	0.14	0.14	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.2	U	0.2	0.28	0.28	ug/L
101-55-3	4-Bromophenyl-phenylether	0.04	U	0.04	0.14	0.14	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	0.14	0.14	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.14	0.14	ug/L
87-86-5	Pentachlorophenol	0.13	U	0.13	0.28	0.28	ug/L
85-01-8	Phenanthrene	0.03	U	0.03	0.14	0.14	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.14	0.14	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.14	0.14	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.14	0.14	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.14	0.14	ug/L
218-01-9	Chrysene	0.04	U	0.04	0.14	0.14	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.2	U	0.2	0.28	0.28	ug/L
205-99-2	Benzo(b)fluoranthene	0.05	U	0.05	0.14	0.14	ug/L
207-08-9	Benzo(k)fluoranthene	0.05	U	0.05	0.14	0.14	ug/L
50-32-8	Benzo(a)pyrene	0.08	U	0.08	0.14	0.14	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.05	U	0.05	0.14	0.14	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.05	0.14	0.14	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	U	0.05	0.14	0.14	ug/L
123-91-1	1,4-Dioxane	0.1	U	0.1	0.28	0.28	ug/L

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Report of Analysis

Client:				Date Collected:	6/7/2024 12:00:00 AM
Project:				Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-DUP-20240607			SDG No.:	BN061924
Lab Sample ID:	P2838-05			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	710	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
BN032079.D	1	6/11/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.334		30-150		83	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.353		30-150		88	SPK: -0.4
367-12-4	2-Fluorophenol	0.158		10-92		40	SPK: -0.4
13127-88-3	Phenol-d6	0.094		10-100		23	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.294		11-175		74	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.331		10-175		83	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.199		24-148		50	SPK: -0.4
1718-51-0	Terphenyl-d14	0.474		54-171		118	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7067	7.646				
1146-65-2	Naphthalene-d8	23474	10.421				
15067-26-2	Acenaphthene-d10	16428	14.285				
1517-22-2	Phenanthrene-d10	38562	17.041				
1719-03-5	Chrysene-d12	28669	21.229				
1520-96-3	Perylene-d12	24197	23.452				

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Report of Analysis

Client:				Date Collected:	6/7/2024 12:00:00 AM
Project:				Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-340-342			SDG No.:	BN061924
Lab Sample ID:	P2838-06			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	670	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
BN032080.D	1	6/11/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.3	0.3	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.15	0.15	ug/L
91-20-3	Naphthalene	0.04	U	0.04	0.15	0.15	ug/L
87-68-3	Hexachlorobutadiene	0.04	U	0.04	0.15	0.15	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.15	0.15	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.15	0.15	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.15	0.15	ug/L
Total PAH	Total PAH	0.69	U	0.69	0.15	2.4	ug/L
86-73-7	Fluorene	0.03	U	0.03	0.15	0.15	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.21	U	0.21	0.3	0.3	ug/L
101-55-3	4-Bromophenyl-phenylether	0.04	U	0.04	0.15	0.15	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	0.15	0.15	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.15	0.15	ug/L
87-86-5	Pentachlorophenol	0.13	U	0.13	0.3	0.3	ug/L
85-01-8	Phenanthrene	0.03	U	0.03	0.15	0.15	ug/L
120-12-7	Anthracene	0.04	U	0.04	0.15	0.15	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.15	0.15	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.15	0.15	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.15	0.15	ug/L
218-01-9	Chrysene	0.04	U	0.04	0.15	0.15	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.21	U	0.21	0.3	0.3	ug/L
205-99-2	Benzo(b)fluoranthene	0.05	U	0.05	0.15	0.15	ug/L
207-08-9	Benzo(k)fluoranthene	0.05	U	0.05	0.15	0.15	ug/L
50-32-8	Benzo(a)pyrene	0.08	U	0.08	0.15	0.15	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.06	U	0.06	0.15	0.15	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.06	U	0.06	0.15	0.15	ug/L
191-24-2	Benzo(g,h,i)perylene	0.06	U	0.06	0.15	0.15	ug/L
123-91-1	1,4-Dioxane	0.15	J	0.1	0.3	0.3	ug/L

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Report of Analysis

Client:				Date Collected:	6/7/2024 12:00:00 AM
Project:				Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-340-342			SDG No.:	BN061924
Lab Sample ID:	P2838-06			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	670	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
BN032080.D	1	6/11/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.275		30-150		69	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.32		30-150		80	SPK: -0.4
367-12-4	2-Fluorophenol	0.127		10-92		32	SPK: -0.4
13127-88-3	Phenol-d6	0.073		10-100		18	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.235		11-175		59	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.269		10-175		67	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.211		24-148		53	SPK: -0.4
1718-51-0	Terphenyl-d14	0.471		54-171		118	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7435	7.646				
1146-65-2	Naphthalene-d8	25689	10.421				
15067-26-2	Acenaphthene-d10	17575	14.285				
1517-22-2	Phenanthrene-d10	39258	17.029				
1719-03-5	Chrysene-d12	27419	21.229				
1520-96-3	Perylene-d12	21930	23.449				

CHEMTECH
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Report of Analysis

Client:		Date Collected:	6/10/2024 12:00:00 AM
Project:		Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-278-280	SDG No.:	BN061924
Lab Sample ID:	P2839-04	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	690 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
BN032081.D	1	6/11/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.29	0.29	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.14	0.14	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.14	0.14	ug/L
87-68-3	Hexachlorobutadiene	0.04	U	0.04	0.14	0.14	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.14	0.14	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.14	0.14	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.14	0.14	ug/L
Total PAH	Total PAH	0.66	U	0.66	0.14	2.24	ug/L
86-73-7	Fluorene	0.03	U	0.03	0.14	0.14	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.2	U	0.2	0.29	0.29	ug/L
101-55-3	4-Bromophenyl-phenylether	0.04	U	0.04	0.14	0.14	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	0.14	0.14	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.14	0.14	ug/L
87-86-5	Pentachlorophenol	0.13	U	0.13	0.29	0.29	ug/L
85-01-8	Phenanthrene	0.03	U	0.03	0.14	0.14	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.14	0.14	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.14	0.14	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.14	0.14	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.14	0.14	ug/L
218-01-9	Chrysene	0.04	U	0.04	0.14	0.14	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.64		0.2	0.29	0.29	ug/L
205-99-2	Benzo(b)fluoranthene	0.05	U	0.05	0.14	0.14	ug/L
207-08-9	Benzo(k)fluoranthene	0.05	U	0.05	0.14	0.14	ug/L
50-32-8	Benzo(a)pyrene	0.08	U	0.08	0.14	0.14	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.06	U	0.06	0.14	0.14	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.06	U	0.06	0.14	0.14	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	U	0.05	0.14	0.14	ug/L
123-91-1	1,4-Dioxane	1		0.1	0.29	0.29	ug/L

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Report of Analysis

Client:				Date Collected:	6/10/2024 12:00:00 AM
Project:				Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-278-280			SDG No.:	BN061924
Lab Sample ID:	P2839-04			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	690	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
BN032081.D	1	6/11/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.293		30-150		73	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.338		30-150		84	SPK: -0.4
367-12-4	2-Fluorophenol	0.123		10-92		31	SPK: -0.4
13127-88-3	Phenol-d6	0.075		10-100		19	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.239		11-175		60	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.283		10-175		71	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.257		24-148		64	SPK: -0.4
1718-51-0	Terphenyl-d14	0.468		54-171		117	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7690	7.646				
1146-65-2	Naphthalene-d8	26903	10.421				
15067-26-2	Acenaphthene-d10	18446	14.285				
1517-22-2	Phenanthrene-d10	41105	17.029				
1719-03-5	Chrysene-d12	29459	21.229				
1520-96-3	Perylene-d12	23633	23.449				

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Report of Analysis

Client:				Date Collected:	6/7/2024 12:00:00 AM
Project:				Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-238-240			SDG No.:	BN061924
Lab Sample ID:	P2839-02			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	680	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
BN032082.D	1	6/11/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.29	0.29	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.15	0.15	ug/L
91-20-3	Naphthalene	0.04	U	0.04	0.15	0.15	ug/L
87-68-3	Hexachlorobutadiene	0.04	U	0.04	0.15	0.15	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.15	0.15	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.15	0.15	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.15	0.15	ug/L
Total PAH	Total PAH	0.68	U	0.68	0.15	2.4	ug/L
86-73-7	Fluorene	0.03	U	0.03	0.15	0.15	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.21	U	0.21	0.29	0.29	ug/L
101-55-3	4-Bromophenyl-phenylether	0.04	U	0.04	0.15	0.15	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	0.15	0.15	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.15	0.15	ug/L
87-86-5	Pentachlorophenol	0.13	U	0.13	0.29	0.29	ug/L
85-01-8	Phenanthrene	0.03	U	0.03	0.15	0.15	ug/L
120-12-7	Anthracene	0.04	U	0.04	0.15	0.15	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.15	0.15	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.15	0.15	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.15	0.15	ug/L
218-01-9	Chrysene	0.04	U	0.04	0.15	0.15	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.21	U	0.21	0.29	0.29	ug/L
205-99-2	Benzo(b)fluoranthene	0.05	U	0.05	0.15	0.15	ug/L
207-08-9	Benzo(k)fluoranthene	0.05	U	0.05	0.15	0.15	ug/L
50-32-8	Benzo(a)pyrene	0.08	U	0.08	0.15	0.15	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.06	U	0.06	0.15	0.15	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.06	U	0.06	0.15	0.15	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	U	0.05	0.15	0.15	ug/L
123-91-1	1,4-Dioxane	0.85		0.1	0.29	0.29	ug/L

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Report of Analysis

Client:				Date Collected:	6/7/2024 12:00:00 AM
Project:				Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-238-240			SDG No.:	BN061924
Lab Sample ID:	P2839-02			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	680	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
BN032082.D	1	6/11/2024 12:00:00 AM	6/19/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.317		30-150		79	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.327		30-150		82	SPK: -0.4
367-12-4	2-Fluorophenol	0.141		10-92		35	SPK: -0.4
13127-88-3	Phenol-d6	0.082		10-100		20	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.266		11-175		67	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.315		10-175		79	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.259		24-148		65	SPK: -0.4
1718-51-0	Terphenyl-d14	0.406		54-171		101	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6455	7.646				
1146-65-2	Naphthalene-d8	22555	10.421				
15067-26-2	Acenaphthene-d10	15420	14.285				
1517-22-2	Phenanthrene-d10	34410	17.029				
1719-03-5	Chrysene-d12	26940	21.229				
1520-96-3	Perylene-d12	22700	23.446				

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Report of Analysis

Client:		Date Collected:	6/10/2024 12:00:00 AM
Project:		Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-318-320	SDG No.:	BN061924
Lab Sample ID:	P2839-06	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	690 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
BN032083.D	1	6/11/2024 12:00:00 AM	6/20/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.29	0.29	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.14	0.14	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.14	0.14	ug/L
87-68-3	Hexachlorobutadiene	0.04	U	0.04	0.14	0.14	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.14	0.14	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.14	0.14	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.14	0.14	ug/L
Total PAH	Total PAH	0.66	U	0.66	0.14	2.24	ug/L
86-73-7	Fluorene	0.03	U	0.03	0.14	0.14	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.2	U	0.2	0.29	0.29	ug/L
101-55-3	4-Bromophenyl-phenylether	0.04	U	0.04	0.14	0.14	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	0.14	0.14	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.14	0.14	ug/L
87-86-5	Pentachlorophenol	0.13	U	0.13	0.29	0.29	ug/L
85-01-8	Phenanthrene	0.03	U	0.03	0.14	0.14	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.14	0.14	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.14	0.14	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.14	0.14	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.14	0.14	ug/L
218-01-9	Chrysene	0.04	U	0.04	0.14	0.14	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.2	U	0.2	0.29	0.29	ug/L
205-99-2	Benzo(b)fluoranthene	0.05	U	0.05	0.14	0.14	ug/L
207-08-9	Benzo(k)fluoranthene	0.05	U	0.05	0.14	0.14	ug/L
50-32-8	Benzo(a)pyrene	0.08	U	0.08	0.14	0.14	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.06	U	0.06	0.14	0.14	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.06	U	0.06	0.14	0.14	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	U	0.05	0.14	0.14	ug/L
123-91-1	1,4-Dioxane	0.1	U	0.1	0.29	0.29	ug/L

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Report of Analysis

Client:				Date Collected:	6/10/2024 12:00:00 AM
Project:				Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-318-320			SDG No.:	BN061924
Lab Sample ID:	P2839-06			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	690	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
BN032083.D	1	6/11/2024 12:00:00 AM	6/20/2024 12:00:00 AM	PB161445

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	U	30-150		0	SPK: -0.4
367-12-4	2-Fluorophenol	0	U	10-92		0	SPK: -0.4
13127-88-3	Phenol-d6	0	U	10-100		0	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0	U	11-175		0	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0	U	10-175		0	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0	U	24-148		0	SPK: -0.4
1718-51-0	Terphenyl-d14	0	U	54-171		0	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	0	0				
1146-65-2	Naphthalene-d8	0	0				
15067-26-2	Acenaphthene-d10	0	0				
1517-22-2	Phenanthrene-d10	0	0				
1719-03-5	Chrysene-d12	0	0				
1520-96-3	Perylene-d12	0	0				

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Report of Analysis

Client:				Date Collected:	6/11/2024 12:00:00 AM
Project:				Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-358-360			SDG No.:	BN061924
Lab Sample ID:	P2890-05			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	680	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
BN032084.D	1	6/14/2024 12:00:00 AM	6/20/2024 12:00:00 AM	PB161510

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.29	0.29	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.15	0.15	ug/L
91-20-3	Naphthalene	0.04	U	0.04	0.15	0.15	ug/L
87-68-3	Hexachlorobutadiene	0.04	U	0.04	0.15	0.15	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.15	0.15	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.15	0.15	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.15	0.15	ug/L
Total PAH	Total PAH	0.68	U	0.68	0.15	2.4	ug/L
86-73-7	Fluorene	0.03	U	0.03	0.15	0.15	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.21	U	0.21	0.29	0.29	ug/L
101-55-3	4-Bromophenyl-phenylether	0.04	U	0.04	0.15	0.15	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	0.15	0.15	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.15	0.15	ug/L
87-86-5	Pentachlorophenol	0.13	U	0.13	0.29	0.29	ug/L
85-01-8	Phenanthrene	0.03	U	0.03	0.15	0.15	ug/L
120-12-7	Anthracene	0.04	U	0.04	0.15	0.15	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.15	0.15	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.15	0.15	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.15	0.15	ug/L
218-01-9	Chrysene	0.04	U	0.04	0.15	0.15	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.21	U	0.21	0.29	0.29	ug/L
205-99-2	Benzo(b)fluoranthene	0.05	U	0.05	0.15	0.15	ug/L
207-08-9	Benzo(k)fluoranthene	0.05	U	0.05	0.15	0.15	ug/L
50-32-8	Benzo(a)pyrene	0.08	U	0.08	0.15	0.15	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.06	U	0.06	0.15	0.15	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.06	U	0.06	0.15	0.15	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	U	0.05	0.15	0.15	ug/L
123-91-1	1,4-Dioxane	0.91		0.1	0.29	0.29	ug/L

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Report of Analysis

Client:				Date Collected:	6/11/2024 12:00:00 AM
Project:				Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-358-360			SDG No.:	BN061924
Lab Sample ID:	P2890-05			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	680	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
BN032084.D	1	6/14/2024 12:00:00 AM	6/20/2024 12:00:00 AM	PB161510

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.293		30-150		73	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.337		30-150		84	SPK: -0.4
367-12-4	2-Fluorophenol	0.138		10-92		34	SPK: -0.4
13127-88-3	Phenol-d6	0.083		10-100		21	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.254		11-175		63	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.319		10-175		80	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.254		24-148		63	SPK: -0.4
1718-51-0	Terphenyl-d14	0.553		54-171		138	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8223	7.646				
1146-65-2	Naphthalene-d8	29318	10.421				
15067-26-2	Acenaphthene-d10	19439	14.285				
1517-22-2	Phenanthrene-d10	41659	17.028				
1719-03-5	Chrysene-d12	29187	21.229				
1520-96-3	Perylene-d12	22799	23.446				

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Report of Analysis

Client:				Date Collected:	6/13/2024 12:00:00 AM
Project:				Date Received:	6/13/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-438-440			SDG No.:	BN061924
Lab Sample ID:	P2890-08			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	700	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
BN032085.D	1	6/14/2024 12:00:00 AM	6/20/2024 12:00:00 AM	PB161510

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.29	0.29	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.14	0.14	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.14	0.14	ug/L
87-68-3	Hexachlorobutadiene	0.04	U	0.04	0.14	0.14	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.14	0.14	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.14	0.14	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.14	0.14	ug/L
Total PAH	Total PAH	0.65	U	0.65	0.14	2.24	ug/L
86-73-7	Fluorene	0.03	U	0.03	0.14	0.14	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.2	U	0.2	0.29	0.29	ug/L
101-55-3	4-Bromophenyl-phenylether	0.04	U	0.04	0.14	0.14	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	0.14	0.14	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.14	0.14	ug/L
87-86-5	Pentachlorophenol	0.13	U	0.13	0.29	0.29	ug/L
85-01-8	Phenanthrene	0.03	U	0.03	0.14	0.14	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.14	0.14	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.14	0.14	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.14	0.14	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.14	0.14	ug/L
218-01-9	Chrysene	0.04	U	0.04	0.14	0.14	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.2	U	0.2	0.29	0.29	ug/L
205-99-2	Benzo(b)fluoranthene	0.05	U	0.05	0.14	0.14	ug/L
207-08-9	Benzo(k)fluoranthene	0.05	U	0.05	0.14	0.14	ug/L
50-32-8	Benzo(a)pyrene	0.08	U	0.08	0.14	0.14	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.05	U	0.05	0.14	0.14	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.06	U	0.06	0.14	0.14	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	U	0.05	0.14	0.14	ug/L
123-91-1	1,4-Dioxane	0.84		0.1	0.29	0.29	ug/L

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Report of Analysis

Client:				Date Collected:	6/13/2024 12:00:00 AM
Project:				Date Received:	6/13/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-438-440			SDG No.:	BN061924
Lab Sample ID:	P2890-08			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	700	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
BN032085.D	1	6/14/2024 12:00:00 AM	6/20/2024 12:00:00 AM	PB161510

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.308		30-150		77	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.333		30-150		83	SPK: -0.4
367-12-4	2-Fluorophenol	0.136		10-92		34	SPK: -0.4
13127-88-3	Phenol-d6	0.079		10-100		20	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.266		11-175		67	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.355		10-175		89	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.259		24-148		65	SPK: -0.4
1718-51-0	Terphenyl-d14	0.596		54-171		149	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8168	7.646				
1146-65-2	Naphthalene-d8	28941	10.421				
15067-26-2	Acenaphthene-d10	19499	14.285				
1517-22-2	Phenanthrene-d10	40926	17.029				
1719-03-5	Chrysene-d12	27295	21.229				
1520-96-3	Perylene-d12	21983	23.449				

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Report of Analysis

Client:				Date Collected:	6/10/2024 12:00:00 AM
Project:				Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-360-362			SDG No.:	BN061924
Lab Sample ID:	P2891-02			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	740	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
BN032086.D	1	6/14/2024 12:00:00 AM	6/20/2024 12:00:00 AM	PB161510

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.27	0.27	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.14	0.14	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.14	0.14	ug/L
87-68-3	Hexachlorobutadiene	0.04	U	0.04	0.14	0.14	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.14	0.14	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.14	0.14	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.14	0.14	ug/L
Total PAH	Total PAH	0.62	U	0.62	0.14	2.24	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.14	0.14	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	0.19	0.27	0.27	ug/L
101-55-3	4-Bromophenyl-phenylether	0.04	U	0.04	0.14	0.14	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	0.14	0.14	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.14	0.14	ug/L
87-86-5	Pentachlorophenol	0.12	U	0.12	0.27	0.27	ug/L
85-01-8	Phenanthrene	0.03	U	0.03	0.14	0.14	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.14	0.14	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.14	0.14	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.14	0.14	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.14	0.14	ug/L
218-01-9	Chrysene	0.04	U	0.04	0.14	0.14	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.19	U	0.19	0.27	0.27	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.14	0.14	ug/L
207-08-9	Benzo(k)fluoranthene	0.05	U	0.05	0.14	0.14	ug/L
50-32-8	Benzo(a)pyrene	0.08	U	0.08	0.14	0.14	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.05	U	0.05	0.14	0.14	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.05	0.14	0.14	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	U	0.05	0.14	0.14	ug/L
123-91-1	1,4-Dioxane	0.29		0.09	0.27	0.27	ug/L

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Report of Analysis

Client:				Date Collected:	6/10/2024 12:00:00 AM
Project:				Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-360-362			SDG No.:	BN061924
Lab Sample ID:	P2891-02			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	740	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
BN032086.D	1	6/14/2024 12:00:00 AM	6/20/2024 12:00:00 AM	PB161510

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.303		30-150		76	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.315		30-150		79	SPK: -0.4
367-12-4	2-Fluorophenol	0.133		10-92		33	SPK: -0.4
13127-88-3	Phenol-d6	0.086		10-100		22	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.261		11-175		65	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.327		10-175		82	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.225		24-148		56	SPK: -0.4
1718-51-0	Terphenyl-d14	0.519		54-171		130	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8056	7.646				
1146-65-2	Naphthalene-d8	28312	10.421				
15067-26-2	Acenaphthene-d10	19316	14.285				
1517-22-2	Phenanthrene-d10	42149	17.029				
1719-03-5	Chrysene-d12	28119	21.229				
1520-96-3	Perylene-d12	22407	23.449				

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Report of Analysis

Client:				Date Collected:	6/10/2024 12:00:00 AM
Project:				Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-380-382			SDG No.:	BN061924
Lab Sample ID:	P2891-03			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	760	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
BN032087.D	1	6/14/2024 12:00:00 AM	6/20/2024 12:00:00 AM	PB161510

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.26	0.26	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.13	0.13	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.13	0.13	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.13	0.13	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.13	0.13	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.13	0.13	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.13	0.13	ug/L
Total PAH	Total PAH	0.59	U	0.59	0.13	2.08	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.13	0.13	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.18	U	0.18	0.26	0.26	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.13	0.13	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	0.13	0.13	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.13	0.13	ug/L
87-86-5	Pentachlorophenol	0.12	U	0.12	0.26	0.26	ug/L
85-01-8	Phenanthrene	0.03	U	0.03	0.13	0.13	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.13	0.13	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.13	0.13	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.13	0.13	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.13	0.13	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.13	0.13	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.18	U	0.18	0.26	0.26	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.13	0.13	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.13	0.13	ug/L
50-32-8	Benzo(a)pyrene	0.07	U	0.07	0.13	0.13	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.05	U	0.05	0.13	0.13	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.05	0.13	0.13	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	U	0.05	0.13	0.13	ug/L
123-91-1	1,4-Dioxane	0.09	U	0.09	0.26	0.26	ug/L

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Report of Analysis

Client:				Date Collected:	6/10/2024 12:00:00 AM
Project:				Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-380-382			SDG No.:	BN061924
Lab Sample ID:	P2891-03			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	760	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
BN032087.D	1	6/14/2024 12:00:00 AM	6/20/2024 12:00:00 AM	PB161510

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.288		30-150		72	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.307		30-150		77	SPK: -0.4
367-12-4	2-Fluorophenol	0.137		10-92		34	SPK: -0.4
13127-88-3	Phenol-d6	0.08		10-100		20	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.256		11-175		64	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.313		10-175		78	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.229		24-148		57	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	9182	7.646				
1146-65-2	Naphthalene-d8	31231	10.421				
15067-26-2	Acenaphthene-d10	20051	14.285				
1517-22-2	Phenanthrene-d10	40549	17.029				
1719-03-5	Chrysene-d12	26124	21.229				
1520-96-3	Perylene-d12	24412	23.449				

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Report of Analysis

Client:				Date Collected:	6/10/2024 12:00:00 AM
Project:				Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-400-402			SDG No.:	BN061924
Lab Sample ID:	P2891-04			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	740	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
BN032088.D	1	6/14/2024 12:00:00 AM	6/20/2024 12:00:00 AM	PB161510

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.27	0.27	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.14	0.14	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.14	0.14	ug/L
87-68-3	Hexachlorobutadiene	0.04	U	0.04	0.14	0.14	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.14	0.14	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.14	0.14	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.14	0.14	ug/L
Total PAH	Total PAH	0.62	U	0.62	0.14	2.24	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.14	0.14	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	0.19	0.27	0.27	ug/L
101-55-3	4-Bromophenyl-phenylether	0.04	U	0.04	0.14	0.14	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	0.14	0.14	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.14	0.14	ug/L
87-86-5	Pentachlorophenol	0.12	U	0.12	0.27	0.27	ug/L
85-01-8	Phenanthrene	0.03	U	0.03	0.14	0.14	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.14	0.14	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.14	0.14	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.14	0.14	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.14	0.14	ug/L
218-01-9	Chrysene	0.04	U	0.04	0.14	0.14	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.19	U	0.19	0.27	0.27	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.14	0.14	ug/L
207-08-9	Benzo(k)fluoranthene	0.05	U	0.05	0.14	0.14	ug/L
50-32-8	Benzo(a)pyrene	0.08	U	0.08	0.14	0.14	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.05	U	0.05	0.14	0.14	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.05	0.14	0.14	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	U	0.05	0.14	0.14	ug/L
123-91-1	1,4-Dioxane	0.1	J	0.09	0.27	0.27	ug/L

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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:	6/10/2024 12:00:00 AM
Project:				Date Received:	6/10/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-400-402			SDG No.:	BN061924
Lab Sample ID:	P2891-04			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	740	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
BN032088.D	1	6/14/2024 12:00:00 AM	6/20/2024 12:00:00 AM	PB161510

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.317		30-150		79	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.342		30-150		86	SPK: -0.4
367-12-4	2-Fluorophenol	0.139		10-92		35	SPK: -0.4
13127-88-3	Phenol-d6	0.083		10-100		21	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.272		11-175		68	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.351		10-175		88	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.242		24-148		60	SPK: -0.4
1718-51-0	Terphenyl-d14	0.565		54-171		141	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7808	7.646				
1146-65-2	Naphthalene-d8	27223	10.421				
15067-26-2	Acenaphthene-d10	18561	14.285				
1517-22-2	Phenanthrene-d10	41254	17.028				
1719-03-5	Chrysene-d12	29876	21.229				
1520-96-3	Perylene-d12	23922	23.449				

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Report of Analysis

Client:				Date Collected:	6/11/2024 12:00:00 AM
Project:				Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	PB161445BS			SDG No.:	BN061924
Lab Sample ID:	PB161445BS			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
BN032089.D	1	6/11/2024 12:00:00 AM	6/20/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.34		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.34		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	0.39		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.4		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	0.37		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.25		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.37		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.33		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	0.42		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.3		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.35		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	0.35		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	0.44		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	0.39		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.29		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.44		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.44		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	0.4		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.42		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	0.34		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	6/11/2024 12:00:00 AM
Project:				Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	PB161445BS			SDG No.:	BN061924
Lab Sample ID:	PB161445BS			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
BN032089.D	1	6/11/2024 12:00:00 AM	6/20/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.399		30-150		100	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.349		30-150		87	SPK: -0.4
367-12-4	2-Fluorophenol	0.326		10-92		81	SPK: -0.4
13127-88-3	Phenol-d6	0.344		10-100		86	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.329		11-175		82	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.378		10-175		94	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.284		24-148		71	SPK: -0.4
1718-51-0	Terphenyl-d14	0.453		54-171		113	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8736	7.646				
1146-65-2	Naphthalene-d8	31322	10.421				
15067-26-2	Acenaphthene-d10	21385	14.274				
1517-22-2	Phenanthrene-d10	45459	17.029				
1719-03-5	Chrysene-d12	30602	21.229				
1520-96-3	Perylene-d12	24289	23.449				

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Report of Analysis

Client:				Date Collected:	6/11/2024 12:00:00 AM
Project:				Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	PB161445BSD			SDG No.:	BN061924
Lab Sample ID:	PB161445BSD			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
BN032090.D	1	6/11/2024 12:00:00 AM	6/20/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.33		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.35		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	0.39		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.4		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	0.38		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.31		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.37		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.33		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.4		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.42		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.3		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	0.39		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	0.34		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.45		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.35		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	0.29		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.43		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.45		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	0.42		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	0.43		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.35		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	6/11/2024 12:00:00 AM
Project:				Date Received:	6/11/2024 12:00:00 AM
Client Sample ID:	PB161445BSD			SDG No.:	BN061924
Lab Sample ID:	PB161445BSD			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
BN032090.D	1	6/11/2024 12:00:00 AM	6/20/2024 12:00:00 AM	PB161445

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.401		30-150		100	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.339		30-150		85	SPK: -0.4
367-12-4	2-Fluorophenol	0.324		10-92		81	SPK: -0.4
13127-88-3	Phenol-d6	0.345		10-100		86	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.33		11-175		83	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.381		10-175		95	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.283		24-148		71	SPK: -0.4
1718-51-0	Terphenyl-d14	0.477		54-171		119	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9184	7.646				
1146-65-2	Naphthalene-d8	32799	10.421				
15067-26-2	Acenaphthene-d10	22204	14.285				
1517-22-2	Phenanthrene-d10	46232	17.029				
1719-03-5	Chrysene-d12	28904	21.229				
1520-96-3	Perylene-d12	23566	23.449				

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Hit Summary Sheet
SW-846

SDG No.: BN061924

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**BP-VPB-196-GW-280-282**						
P2838-02	BP-VPB-196-GW-280-28 Water	1,4-Dioxane	0.340		0.09	0.25	ug/L
P2838-02	BP-VPB-196-GW-280-28 Water	Benzo(b)fluoranthene	0.040	J	0.04	0.13	ug/L
P2838-02	BP-VPB-196-GW-280-28 Water	Fluoranthene	0.040	J	0.03	0.13	ug/L
P2838-02	BP-VPB-196-GW-280-28 Water	Phenanthrene	0.030	J	0.03	0.13	ug/L
P2838-02	BP-VPB-196-GW-280-28 Water	Pyrene	0.040	J	0.03	0.13	ug/L
		Total Svoc :			**0.49**		
		Total Concentration:			**0.49**		
Client ID :	**BP-VPB-196-GW-300-302**						
P2838-03	BP-VPB-196-GW-300-30 Water	1,4-Dioxane	0.140	J	0.09	0.25	ug/L
		Total Svoc :			**0.14**		
		Total Concentration:			**0.14**		
Client ID :	**BP-VPB-196-GW-320-322**						
P2838-04	BP-VPB-196-GW-320-32 Water	1,4-Dioxane	0.100	J	0.08	0.25	ug/L
		Total Svoc :			**0.10**		
		Total Concentration:			**0.10**		
Client ID :	**BP-VPB-196-GW-340-342**						
P2838-06	BP-VPB-196-GW-340-34 Water	1,4-Dioxane	0.150	J	0.1	0.3	ug/L
		Total Svoc :			**0.15**		
		Total Concentration:			**0.15**		
Client ID :	**BP-VPB-189-GW-238-240**						
P2839-02	BP-VPB-189-GW-238-24 Water	1,4-Dioxane	0.850		0.1	0.29	ug/L
		Total Svoc :			**0.85**		
		Total Concentration:			**0.85**		
Client ID :	**BP-VPB-189-GW-278-280**						
P2839-04	BP-VPB-189-GW-278-28 Water	1,4-Dioxane	1.000		0.1	0.29	ug/L
P2839-04	BP-VPB-189-GW-278-28 Water	Bis(2-ethylhexyl)phthalate	0.640		0.2	0.29	ug/L
		Total Svoc :			**1.64**		
		Total Concentration:			**1.64**		
Client ID :	**BP-VPB-189-GW-358-360**						
P2890-05	BP-VPB-189-GW-358-36 Water	1,4-Dioxane	0.910		0.1	0.29	ug/L
		Total Svoc :			**0.91**		
		Total Concentration:			**0.91**		
Client ID :	**BP-VPB-189-GW-438-440**						
P2890-08	BP-VPB-189-GW-438-44 Water	1,4-Dioxane	0.840		0.1	0.29	ug/L
		Total Svoc :			**0.84**		

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Hit Summary Sheet
SW-846

SDG No.: BN061924

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
		Total Concentration:			**0.84**		
Client ID :	**BP-VPB-196-GW-360-362**						
P2891-02	BP-VPB-196-GW-360-36 Water	1,4-Dioxane	0.290		0.09	0.27	ug/L
		Total Svoc :			**0.29**		
		Total Concentration:			**0.29**		
Client ID :	**BP-VPB-196-GW-400-402**						
P2891-04	BP-VPB-196-GW-400-40 Water	1,4-Dioxane	0.100	J	0.09	0.27	ug/L
		Total Svoc :			**0.10**		
		Total Concentration:			**0.10**		
Client ID :	**BP-VPB-196-GW-520-522**						
P2928-01	BP-VPB-196-GW-520-52 Water	Anthracene	0.040	J	0.03	0.13	ug/L
P2928-01	BP-VPB-196-GW-520-52 Water	Benzo(a)anthracene	0.060	J	0.03	0.13	ug/L
P2928-01	BP-VPB-196-GW-520-52 Water	Benzo(b)fluoranthene	0.070	J	0.04	0.13	ug/L
P2928-01	BP-VPB-196-GW-520-52 Water	Benzo(g,h,i)perylene	0.050	J	0.05	0.13	ug/L
P2928-01	BP-VPB-196-GW-520-52 Water	Benzo(k)fluoranthene	0.070	J	0.04	0.13	ug/L
P2928-01	BP-VPB-196-GW-520-52 Water	Chrysene	0.060	J	0.03	0.13	ug/L
P2928-01	BP-VPB-196-GW-520-52 Water	Dibenzo(a,h)anthracene	0.050	J	0.05	0.13	ug/L
P2928-01	BP-VPB-196-GW-520-52 Water	Fluoranthene	0.060	J	0.03	0.13	ug/L
P2928-01	BP-VPB-196-GW-520-52 Water	Fluorene	0.030	J	0.02	0.13	ug/L
P2928-01	BP-VPB-196-GW-520-52 Water	Indeno(1,2,3-cd)pyrene	0.060	J	0.05	0.13	ug/L
P2928-01	BP-VPB-196-GW-520-52 Water	Phenanthrene	0.050	J	0.03	0.13	ug/L
P2928-01	BP-VPB-196-GW-520-52 Water	Pyrene	0.060	J	0.03	0.13	ug/L
		Total Svoc :			**0.66**		
		Total Concentration:			**0.66**		
Client ID :	**BP-VPB-196-GW-520-562**						
P2928-04	BP-VPB-196-GW-520-56 Water	Bis(2-ethylhexyl)phthalate	0.250	J	0.18	0.26	ug/L
P2928-04	BP-VPB-196-GW-520-56 Water	Fluoranthene	0.030	J	0.03	0.13	ug/L
P2928-04	BP-VPB-196-GW-520-56 Water	Phenanthrene	0.030	J	0.03	0.13	ug/L
P2928-04	BP-VPB-196-GW-520-56 Water	Pyrene	0.030	J	0.03	0.13	ug/L
		Total Svoc :			**0.34**		
		Total Concentration:			**0.34**		
Client ID :	**BP-VPB-196-GW-540-542**						
P2928-05	BP-VPB-196-GW-540-54 Water	Bis(2-ethylhexyl)phthalate	0.200	J	0.19	0.27	ug/L
		Total Svoc :			**0.20**		
		Total Concentration:			**0.20**		

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN061024 SAS No.: BN061024 SDG No.: BN061024

Instrument ID: Calibration Date(s): 6/10/2024

Calibration Time(s): 11:22

LAB FILE ID: RRF0.1 = BN031872.D RRF0.2 = BN031873.D RRF0.4 = BN031874.D
RRF0.8 = BN031875.D RRF1.6 = BN031876.D RRF3.2 = BN031877.D

COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.626	0.649	0.555	0.644	0.681	0.655	0.637	6.2
Fluoranthene-d10	1.071	1.077	0.932	1.123	1.177	1.116	1.089	7.1
n-Nitrosodimethylamine	0.464	0.486	0.400	0.466	0.499	0.480	0.465	6.9
2-Fluorophenol	1.150	1.201	0.999	1.122	1.212	1.162	1.137	6.2
Phenol-d6	1.459	1.537	1.289	1.469	1.605	1.559	1.491	6.9
bis(2-Chloroethyl)ether	1.278	1.352	1.115	1.284	1.370	1.315	1.284	6.5
Nitrobenzene-d5	0.330	0.338	0.287	0.327	0.353	0.349	0.332	6.7
Naphthalene	1.064	1.114	0.941	1.073	1.145	1.112	1.077	6.1
Hexachlorobutadiene	0.195	0.197	0.165	0.186	0.198	0.191	0.188	6.0
2-Methylnaphthalene	0.735	0.756	0.644	0.743	0.785	0.751	0.736	6.0
2-Fluorobiphenyl	1.528	1.560	1.307	1.492	1.621	1.579	1.517	6.7
Acenaphthylene	1.753	1.814	1.539	1.814	2.006	2.006	1.844	9.2
Acenaphthene	1.155	1.210	1.019	1.175	1.276	1.247	1.187	7.1
Fluorene	1.564	1.614	1.366	1.587	1.703	1.641	1.586	6.7
4,6-Dinitro-2-methylphenol		0.044	0.043	0.059	0.078	0.091	0.069	34.3
2,4,6-Tribromophenol	0.190	0.182	0.155	0.186	0.204	0.211	0.192	10.8
4-Bromophenyl-phenylether	0.227	0.234	0.192	0.224	0.241	0.238	0.227	7.2
Hexachlorobenzene	0.231	0.240	0.202	0.234	0.254	0.244	0.235	7.0
Atrazine	0.214	0.205	0.175	0.211	0.222	0.217	0.208	7.4
Pentachlorophenol		0.094	0.082	0.108	0.130	0.140	0.117	22.1
Phenanthrene	1.112	1.127	0.944	1.096	1.200	1.150	1.110	7.2
Anthracene	0.989	1.019	0.855	1.033	1.118	1.100	1.030	8.8
Fluoranthene	1.379	1.391	1.147	1.379	1.446	1.348	1.346	7.0
Pyrene	1.607	1.748	1.328	1.522	1.651	1.695	1.589	8.7
Terphenyl-d14	1.042	1.067	0.811	0.951	1.006	1.018	0.978	8.7
Benzo(a)anthracene	1.555	1.575	1.245	1.482	1.587	1.565	1.507	8.0
Chrysene	1.461	1.489	1.200	1.421	1.512	1.447	1.424	7.3
Bis(2-ethylhexyl)phthalate		1.117	0.861	1.042	1.091	0.975	1.029	9.3
Benzo(b)fluoranthene	1.496	1.537	1.232	1.430	1.539	1.538	1.458	7.6
Benzo(k)fluoranthene	1.430	1.477	1.154	1.362	1.445	1.436	1.378	7.9
Benzo(a)pyrene	1.301	1.326	1.043	1.243	1.335	1.299	1.258	8.0
Indeno(1,2,3-cd)pyrene	1.535	1.568	1.196	1.532	1.612	1.460	1.492	9.3
Dibenzo(a,h)anthracene	1.205	1.242	0.940	1.205	1.267	1.156	1.176	9.3
Benzo(g,h,i)perylene	1.298	1.323	1.007	1.299	1.363	1.231	1.263	9.5
1,4-Dioxane	0.579	0.544	0.426	0.467	0.494	0.469	0.490	11.1

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.: BN061924 SAS No.: BN061924 SDG NO.: BN061924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jun 19 2024 12:00AM

Lab File ID: BN031874.D Time Analyzed: 11:28

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	10703	7.675	35162	10.45	22532	14.32
	UPPER LIMIT	21406	8.175	70324	10.953	45064	14.817
	LOWER LIMIT	5351.5	7.175	17581	9.953	11266	13.817
	EPA SAMPLE NO.						
01	PB161548BL	8373	7.65	28141	10.42	18400	14.29
02	BP-VPB-196-GW-520-522	7806	7.65	26887	10.42	17801	14.29
03	BP-VPB-196-GW-520-522MS	7489	7.65	25644	10.42	17097	14.29
04	BP-VPB-196-GW-520-522MSD	7740	7.65	26557	10.42	17729	14.29
05	BP-VPB-196-GW-520-562	7152	7.65	24274	10.42	15743	14.29
06	BP-VPB-196-GW-540-542	7859	7.65	26536	10.42	17524	14.29
07	PB161548BS	6622	7.65	23171	10.42	16079	14.29
08	PB161445BL	7428	7.65	24352	10.42	15812	14.29
09	BP-VPB-196-GW-280-282	7329	7.65	25401	10.42	17029	14.29
10	BP-VPB-196-GW-300-302	8359	7.65	28055	10.42	17661	14.29
11	BP-VPB-196-GW-320-322	7351	7.65	25308	10.42	17199	14.29
12	BP-VPB-196-DUP-20240607	7067	7.65	23474	10.42	16428	14.29
13	BP-VPB-196-GW-340-342	7435	7.65	25689	10.42	17575	14.29
14	BP-VPB-189-GW-278-280	7690	7.65	26903	10.42	18446	14.29
15	BP-VPB-189-GW-238-240	6455	7.65	22555	10.42	15420	14.29
16	BP-VPB-189-GW-318-320	0 *	0.00*	0 *	0.00*	0 *	0.00 *
17	BP-VPB-189-GW-358-360	8223	7.65	29318	10.42	19439	14.29
18	BP-VPB-189-GW-438-440	8168	7.65	28941	10.42	19499	14.29
19	BP-VPB-196-GW-360-362	8056	7.65	28312	10.42	19316	14.29
20	BP-VPB-196-GW-380-382	9182	7.65	31231	10.42	20051	14.29
21	BP-VPB-196-GW-400-402	7808	7.65	27223	10.42	18561	14.29
22	PB161445BS	8736	7.65	31322	10.42	21385	14.27
23	PB161445BSD	9184	7.65	32799	10.42	22204	14.29

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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN061924 SAS No.: BN061924 SDG NO.: BN061924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jun 20 2024 12:00AM

Lab File ID: BN031874.D Time Analyzed: 04:29

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	10703	7.675	35162	10.45	22532	14.32
UPPER LIMIT	21406	8.175	70324	10.953	45064	14.817
LOWER LIMIT	5351.5	7.175	17581	9.953	11266	13.817
EPA SAMPLE NO.						

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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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN061924 SAS No.: BN061924 SDG NO.: BN061924

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jun 19 2024 12:00AM

Lab File ID: BN032064.D Time Analyzed: 11:28

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	7355	7.646	26133	10.42	17451	14.29
	UPPER LIMIT	14710	8.146	52266	10.921	34902	14.785
	LOWER LIMIT	3677.5	7.146	13066.5	9.921	8725.5	13.785
	EPA SAMPLE NO.						
01	PB161548BL	8373	7.65	28141	10.42	18400	14.29
02	BP-VPB-196-GW-520-522	7806	7.65	26887	10.42	17801	14.29
03	BP-VPB-196-GW-520-522MS	7489	7.65	25644	10.42	17097	14.29
04	BP-VPB-196-GW-520-522MSD	7740	7.65	26557	10.42	17729	14.29
05	BP-VPB-196-GW-520-562	7152	7.65	24274	10.42	15743	14.29
06	BP-VPB-196-GW-540-542	7859	7.65	26536	10.42	17524	14.29
07	PB161548BS	6622	7.65	23171	10.42	16079	14.29

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.: BN061924 SAS No.: BN061924 SDG NO.: BN061924

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jun 19 2024 12:00AM

Lab File ID: BN032074.D Time Analyzed: 19:26

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	7094	7.646	24996	10.42	16906	14.29
	UPPER LIMIT	14188	8.146	49992	10.921	33812	14.785
	LOWER LIMIT	3547	7.146	12498	9.921	8453	13.785
	EPA SAMPLE NO.						
01	PB161445BL	7428	7.65	24352	10.42	15812	14.29
02	BP-VPB-196-GW-280-282	7329	7.65	25401	10.42	17029	14.29
03	BP-VPB-196-GW-300-302	8359	7.65	28055	10.42	17661	14.29
04	BP-VPB-196-GW-320-322	7351	7.65	25308	10.42	17199	14.29
05	BP-VPB-196-DUP-20240607	7067	7.65	23474	10.42	16428	14.29
06	BP-VPB-196-GW-340-342	7435	7.65	25689	10.42	17575	14.29
07	BP-VPB-189-GW-278-280	7690	7.65	26903	10.42	18446	14.29
08	BP-VPB-189-GW-238-240	6455	7.65	22555	10.42	15420	14.29
09	BP-VPB-189-GW-318-320	0 *	0.00*	0 *	0.00*	0 *	0.00 *
10	BP-VPB-189-GW-358-360	8223	7.65	29318	10.42	19439	14.29
11	BP-VPB-189-GW-438-440	8168	7.65	28941	10.42	19499	14.29
12	BP-VPB-196-GW-360-362	8056	7.65	28312	10.42	19316	14.29
13	BP-VPB-196-GW-380-382	9182	7.65	31231	10.42	20051	14.29
14	BP-VPB-196-GW-400-402	7808	7.65	27223	10.42	18561	14.29
15	PB161445BS	8736	7.65	31322	10.42	21385	14.27
16	PB161445BSD	9184	7.65	32799	10.42	22204	14.29

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN061924 SAS No.: BN061924 SDG NO.: BN061924

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jun 20 2024 12:00AM

Lab File ID: BN032074.D Time Analyzed: 04:29

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	7094	7.646	24996	10.42	16906	14.29
UPPER LIMIT	14188	8.146	49992	10.921	33812	14.785
LOWER LIMIT	3547	7.146	12498	9.921	8453	13.785
EPA SAMPLE NO.						

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.: BN061924 SAS No.: BN061924 SDG NO.: BN061924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jun 19 2024 12:00AM

Lab File ID: BN031874.D Time Analyzed: 11:28

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	52345	17.066	47014	21.265	48380	23.502
	UPPER LIMIT	104690	17.566	94028	21.765	96760	24.002
	LOWER LIMIT	26172.5	16.566	23507	20.765	24190	23.002
	EPA SAMPLE NO.						
01	PB161548BL	38895	17.04	29616	21.24	28053	23.46
02	BP-VPB-196-GW-520-522	39476	17.04	31210	21.23	29208	23.46
03	BP-VPB-196-GW-520-522MS	37783	17.03	30898	21.23	26802	23.46
04	BP-VPB-196-GW-520-522MSD	39144	17.03	31407	21.24	27363	23.46
05	BP-VPB-196-GW-520-562	34544	17.03	27996	21.24	28932	23.46
06	BP-VPB-196-GW-540-542	39093	17.04	31140	21.24	26754	23.46
07	PB161548BS	36081	17.03	29710	21.24	25960	23.46
08	PB161445BL	34457	17.04	25414	21.24	21800 *	23.46
09	BP-VPB-196-GW-280-282	37536	17.04	27855	21.23	22983 *	23.46
10	BP-VPB-196-GW-300-302	36724	17.04	26536	21.23	26001	23.45
11	BP-VPB-196-GW-320-322	38505	17.04	28596	21.23	23377 *	23.46
12	BP-VPB-196-DUP-20240607	38562	17.04	28669	21.23	24197	23.45
13	BP-VPB-196-GW-340-342	39258	17.03	27419	21.23	21930 *	23.45
14	BP-VPB-189-GW-278-280	41105	17.03	29459	21.23	23633 *	23.45
15	BP-VPB-189-GW-238-240	34410	17.03	26940	21.23	22700 *	23.45
16	BP-VPB-189-GW-318-320	0 *	0.00 *	0 *	0.00 *	0 *	0.00
17	BP-VPB-189-GW-358-360	41659	17.03	29187	21.23	22799 *	23.45
18	BP-VPB-189-GW-438-440	40926	17.03	27295	21.23	21983 *	23.45
19	BP-VPB-196-GW-360-362	42149	17.03	28119	21.23	22407 *	23.45
20	BP-VPB-196-GW-380-382	40549	17.03	26124	21.23	24412	23.45
21	BP-VPB-196-GW-400-402	41254	17.03	29876	21.23	23922 *	23.45

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN061924 SAS No.: BN061924 SDG NO.: BN061924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jun 20 2024 12:00AM

Lab File ID: BN031874.D Time Analyzed: 03:53

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	52345	17.066	47014	21.265	48380		23.502
	UPPER LIMIT	104690	17.566	94028	21.765	96760		24.002
	LOWER LIMIT	26172.5	16.566	23507	20.765	24190		23.002
	EPA SAMPLE NO.							
22	PB161445BS	45459	17.03	30602	21.23	24289		23.45
23	PB161445BSD	46232	17.03	28904	21.23	23566	*	23.45

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.: BN061924 SAS No.: BN061924 SDG NO.: BN061924

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jun 19 2024 12:00AM

Lab File ID: BN032064.D Time Analyzed: 11:28

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	37252	17.029	29857	21.229	26009	23.452
	UPPER LIMIT	74504	17.529	59714	21.729	52018	23.952
	LOWER LIMIT	18626	16.529	14928.5	20.729	13004.5	22.952
	EPA SAMPLE NO.						
01	PB161548BL	38895	17.04	29616	21.24	28053	23.46
02	BP-VPB-196-GW-520-522	39476	17.04	31210	21.23	29208	23.46
03	BP-VPB-196-GW-520-522MS	37783	17.03	30898	21.23	26802	23.46
04	BP-VPB-196-GW-520-522MSD	39144	17.03	31407	21.24	27363	23.46
05	BP-VPB-196-GW-520-562	34544	17.03	27996	21.24	28932	23.46
06	BP-VPB-196-GW-540-542	39093	17.04	31140	21.24	26754	23.46
07	PB161548BS	36081	17.03	29710	21.24	25960	23.46

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.
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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN061924 SAS No.: BN061924 SDG NO.: BN061924

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jun 19 2024 12:00AM

Lab File ID: BN032074.D Time Analyzed: 19:26

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	37090	17.029	28415	21.229	23394	23.458
	UPPER LIMIT	74180	17.529	56830	21.729	46788	23.958
	LOWER LIMIT	18545	16.529	14207.5	20.729	11697	22.958
	EPA SAMPLE NO.						
01	PB161445BL	34457	17.04	25414	21.24	21800	23.46
02	BP-VPB-196-GW-280-282	37536	17.04	27855	21.23	22983	23.46
03	BP-VPB-196-GW-300-302	36724	17.04	26536	21.23	26001	23.45
04	BP-VPB-196-GW-320-322	38505	17.04	28596	21.23	23377	23.46
05	BP-VPB-196-DUP-20240607	38562	17.04	28669	21.23	24197	23.45
06	BP-VPB-196-GW-340-342	39258	17.03	27419	21.23	21930	23.45
07	BP-VPB-189-GW-278-280	41105	17.03	29459	21.23	23633	23.45
08	BP-VPB-189-GW-238-240	34410	17.03	26940	21.23	22700	23.45
09	BP-VPB-189-GW-318-320	0 *	0.00 *	0 *	0.00 *	0 *	0.00 *
10	BP-VPB-189-GW-358-360	41659	17.03	29187	21.23	22799	23.45
11	BP-VPB-189-GW-438-440	40926	17.03	27295	21.23	21983	23.45
12	BP-VPB-196-GW-360-362	42149	17.03	28119	21.23	22407	23.45
13	BP-VPB-196-GW-380-382	40549	17.03	26124	21.23	24412	23.45
14	BP-VPB-196-GW-400-402	41254	17.03	29876	21.23	23922	23.45
15	PB161445BS	45459	17.03	30602	21.23	24289	23.45
16	PB161445BSD	46232	17.03	28904	21.23	23566	23.45

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN061924 SAS No.: BN061924 SDG NO.: BN061924

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jun 20 2024 12:00AM

Lab File ID: BN032074.D Time Analyzed: 04:29

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	37090	17.029	28415	21.229	23394	23.458
UPPER LIMIT	74180	17.529	56830	21.729	46788	23.958
LOWER LIMIT	18545	16.529	14207.5	20.729	11697	22.958
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN061924

Client:

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB161445BS	n-Nitrosodimethylamine	0.4	0.34	ug/L	85				33	130	
	bis(2-Chloroethyl)ether	0.4	0.34	ug/L	85				55	118	
	Naphthalene	0.4	0.39	ug/L	98				67	120	
	Hexachlorobutadiene	0.4	0.39	ug/L	98				33	114	
	2-Methylnaphthalene	0.4	0.4	ug/L	100				50	122	
	Acenaphthylene	0.4	0.33	ug/L	83				60	119	
	Acenaphthene	0.4	0.37	ug/L	93				65	119	
	Total PAH	6.4	6.25	ug/L	98				65	119	
	Fluorene	0.4	0.37	ug/L	93				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.33	ug/L	83				20	150	
	4-Bromophenyl-phenylether	0.4	0.39	ug/L	98				20	150	
	Hexachlorobenzene	0.4	0.42	ug/L	105				62	127	
	Atrazine	0.4	0.3	ug/L	75				20	150	
	Pentachlorophenol	0.8	0.35	ug/L	44				10	137	
	Phenanthrene	0.4	0.39	ug/L	98				65	117	
	Anthracene	0.4	0.35	ug/L	88				57	118	
	Fluoranthene	0.4	0.35	ug/L	88				53	126	
	Pyrene	0.4	0.44	ug/L	110				54	124	
	Benzo(a)anthracene	0.4	0.36	ug/L	90				54	130	
	Chrysene	0.4	0.39	ug/L	98				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.29	ug/L	73				40	137	
	Benzo(b)fluoranthene	0.4	0.44	ug/L	110				65	121	
	Benzo(k)fluoranthene	0.4	0.44	ug/L	110				72	119	
	Benzo(a)pyrene	0.4	0.4	ug/L	100				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.4	ug/L	100				70	127	
	Dibenz(a,h)anthracene	0.4	0.42	ug/L	105				65	121	
	Benzo(g,h,i)perylene	0.4	0.41	ug/L	103				76	117	
	1,4-Dioxane	0.4	0.34	ug/L	85				60	132	
PB161445BSD	n-Nitrosodimethylamine	0.4	0.33	ug/L	83	3			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.35	ug/L	88	3			55	118	20
	Naphthalene	0.4	0.39	ug/L	98	0			67	120	20
	Hexachlorobutadiene	0.4	0.39	ug/L	98	0			33	114	20
	2-Methylnaphthalene	0.4	0.4	ug/L	100	0			50	122	20
	Acenaphthylene	0.4	0.34	ug/L	85	3			60	119	20
	Acenaphthene	0.4	0.38	ug/L	95	3			65	119	20
	Total PAH	6.4	6.31	ug/L	99	1			65	119	20
	Fluorene	0.4	0.37	ug/L	93	0			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.33	ug/L	83	0			20	150	20
	4-Bromophenyl-phenylether	0.4	0.4	ug/L	100	3			20	150	20
	Hexachlorobenzene	0.4	0.42	ug/L	105	0			62	127	20
	Atrazine	0.4	0.3	ug/L	75	0			20	150	20
	Pentachlorophenol	0.8	0.34	ug/L	43	3			10	137	20
	Phenanthrene	0.4	0.39	ug/L	98	0			65	117	20
	Anthracene	0.4	0.35	ug/L	88	0			57	118	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN061924

Client:

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB161445BSD	Fluoranthene	0.4	0.34	ug/L	85	3			53	126	20
	Pyrene	0.4	0.45	ug/L	113	2			54	124	20
	Benzo(a)anthracene	0.4	0.35	ug/L	88	3			54	130	20
	Chrysene	0.4	0.39	ug/L	98	0			64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.29	ug/L	73	0			40	137	20
	Benzo(b)fluoranthene	0.4	0.43	ug/L	108	2			65	121	20
	Benzo(k)fluoranthene	0.4	0.45	ug/L	113	2			72	119	20
	Benzo(a)pyrene	0.4	0.4	ug/L	100	0			68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.42	ug/L	105	5			70	127	20
	Dibenz(a,h)anthracene	0.4	0.43	ug/L	108	2			65	121	20
	Benzo(g,h,i)perylene	0.4	0.43	ug/L	108	5			76	117	20
	1,4-Dioxane	0.4	0.35	ug/L	88	3			60	132	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN061924

Client:

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB161548BS	n-Nitrosodimethylamine	0.4	0.34	ug/L	85				33	130	
	bis(2-Chloroethyl)ether	0.4	0.33	ug/L	83				55	118	
	Naphthalene	0.4	0.38	ug/L	95				67	120	
	Hexachlorobutadiene	0.4	0.39	ug/L	98				33	114	
	2-Methylnaphthalene	0.4	0.4	ug/L	100				50	122	
	Acenaphthylene	0.4	0.34	ug/L	85				60	119	
	Acenaphthene	0.4	0.37	ug/L	93				65	119	
	Total PAH	6.4	6.15	ug/L	96				65	119	
	Fluorene	0.4	0.37	ug/L	93				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.33	ug/L	83				20	150	
	4-Bromophenyl-phenylether	0.4	0.38	ug/L	95				20	150	
	Hexachlorobenzene	0.4	0.4	ug/L	100				62	127	
	Atrazine	0.4	0.32	ug/L	80				20	150	
	Pentachlorophenol	0.8	0.38	ug/L	48				10	137	
	Phenanthrene	0.4	0.38	ug/L	95				65	117	
	Anthracene	0.4	0.36	ug/L	90				57	118	
	Fluoranthene	0.4	0.38	ug/L	95				53	126	
	Pyrene	0.4	0.4	ug/L	100				54	124	
	Benzo(a)anthracene	0.4	0.37	ug/L	93				54	130	
	Chrysene	0.4	0.38	ug/L	95				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.34	ug/L	85				40	137	
	Benzo(b)fluoranthene	0.4	0.42	ug/L	105				65	121	
	Benzo(k)fluoranthene	0.4	0.43	ug/L	108				72	119	
	Benzo(a)pyrene	0.4	0.39	ug/L	98				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.39	ug/L	98				70	127	
	Dibenz(a,h)anthracene	0.4	0.4	ug/L	100				65	121	
	Benzo(g,h,i)perylene	0.4	0.39	ug/L	98				76	117	
	1,4-Dioxane	0.4	0.35	ug/L	88				60	132	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161445BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN061924 SAS No.: BN061924 SDG NO.: BN061924

Lab File ID: BN032075.D Lab Sample ID: PB161445BL

Instrument ID: BNA_N Date Extracted: 06/11/2024

Matrix: (soil/water) Water Date Analyzed: 06/19/2024

Level: (low/med) LOW Time Analyzed: 19:26

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-280-282	P2838-02	BN032076.D	06/19/2024
BP-VPB-196-GW-300-302	P2838-03	BN032077.D	06/19/2024
BP-VPB-196-GW-320-322	P2838-04	BN032078.D	06/19/2024
BP-VPB-196-DUP-20240607	P2838-05	BN032079.D	06/19/2024
BP-VPB-196-GW-340-342	P2838-06	BN032080.D	06/19/2024
BP-VPB-189-GW-278-280	P2839-04	BN032081.D	06/19/2024
BP-VPB-189-GW-238-240	P2839-02	BN032082.D	06/19/2024
BP-VPB-189-GW-318-320	P2839-06	BN032083.D	06/20/2024
PB161445BS	PB161445BS	BN032089.D	06/20/2024
PB161445BSD	PB161445BSD	BN032090.D	06/20/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BP-VPB-189-GW-358-3

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN061924 SAS No.: BN061924 SDG NO.: BN061924

Lab File ID: BN032084.D Lab Sample ID: P2890-05

Instrument ID: BNA_N Date Extracted: 06/14/2024

Matrix: (soil/water) Water Date Analyzed: 06/20/2024

Level: (low/med) LOW Time Analyzed: 00:53

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BP-VPB-189-GW-358-360	P2890-05	BN032084.D	06/20/2024
BP-VPB-189-GW-438-440	P2890-08	BN032085.D	06/20/2024
BP-VPB-196-GW-360-362	P2891-02	BN032086.D	06/20/2024
BP-VPB-196-GW-380-382	P2891-03	BN032087.D	06/20/2024
BP-VPB-196-GW-400-402	P2891-04	BN032088.D	06/20/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161548BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN061924 SAS No.: BN061924 SDG NO.: BN061924

Lab File ID: BN032065.D Lab Sample ID: PB161548BL

Instrument ID: BNA_N Date Extracted: 06/18/2024

Matrix: (soil/water) Water Date Analyzed: 06/19/2024

Level: (low/med) LOW Time Analyzed: 11:28

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-520-522	P2928-01	BN032066.D	06/19/2024
BP-VPB-196-GW-520-522MS	P2928-02MS	BN032067.D	06/19/2024
BP-VPB-196-GW-520-522MSD	P2928-03MSD	BN032068.D	06/19/2024
BP-VPB-196-GW-520-562	P2928-04	BN032069.D	06/19/2024
BP-VPB-196-GW-540-542	P2928-05	BN032070.D	06/19/2024
PB161548BS	PB161548BS	BN032071.D	06/19/2024

COMMENTS:

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BN061924

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: P2928-02MS		**Client Sample ID: BP-VPB-196-GW-520-522MS**						**DataFile: BN032067.D**			
n-Nitrosodimethylamine	0.61		0.24	ug/L	39				10	158	
bis(2-Chloroethyl)ether	0.61		0.38	ug/L	62				27	159	
Naphthalene	0.61		0.42	ug/L	69				62	119	
Hexachlorobutadiene	0.61		0.39	ug/L	64				14	140	
2-Methylnaphthalene	0.61		0.44	ug/L	72				70	118	
Acenaphthylene	0.61		0.44	ug/L	72				53	123	
Acenaphthene	0.61		0.44	ug/L	72				57	122	
Total PAH	9.76	0.66	8.67	ug/L	89				57	122	
Fluorene	0.61	0.03	0.47	ug/L	72				58	123	
4,6-Dinitro-2-methylphenol	0.61		0.47	ug/L	77				20	150	
4-Bromophenyl-phenylether	0.61		0.47	ug/L	77				20	150	
Hexachlorobenzene	0.61		0.47	ug/L	77				31	160	
Atrazine	0.61		0.39	ug/L	64				20	150	
Pentachlorophenol	1.2		1	ug/L	83				10	179	
Phenanthrene	0.61	0.05	0.56	ug/L	84				64	129	
Anthracene	0.61	0.04	0.53	ug/L	80				67	127	
Fluoranthene	0.61	0.06	0.56	ug/L	82				55	140	
Pyrene	0.61	0.06	0.6	ug/L	89				59	137	
Benzo(a)anthracene	0.61	0.06	0.58	ug/L	85				51	146	
Chrysene	0.61	0.06	0.57	ug/L	84				61	126	
bis(2-Ethylhexyl)phthalate	0.61	0	0.61	ug/L	100				35	175	
Benzo(b)fluoranthene	0.61	0.07	0.6	ug/L	87				60	123	
Benzo(k)fluoranthene	0.61	0.07	0.64	ug/L	93				61	122	
Benzo(a)pyrene	0.61	0	0.58	ug/L	95				54	129	
Indeno(1,2,3-cd)pyrene	0.61	0.06	0.58	ug/L	85				50	134	
Dibenz(a,h)anthracene	0.61	0.05	0.58	ug/L	87				53	121	
Benzo(g,h,i)perylene	0.61	0.05	0.52	ug/L	77				44	132	
1,4-Dioxane	0.61		0.65	ug/L	107				10	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BN061924

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: P2928-03MSD		**Client Sample ID: BP-VPB-196-GW-520-522MSD**						**DataFile: BN032068.D**			
n-Nitrosodimethylamine	0.57		0.22	ug/L	39	0			10	158	20
bis(2-Chloroethyl)ether	0.57		0.36	ug/L	63	2			27	159	20
Naphthalene	0.57		0.39	ug/L	68	1			62	119	20
Hexachlorobutadiene	0.57		0.37	ug/L	65	2			14	140	20
2-Methylnaphthalene	0.57		0.42	ug/L	74	3			70	118	20
Acenaphthylene	0.57		0.42	ug/L	74	3			53	123	20
Acenaphthene	0.57		0.41	ug/L	72	0			57	122	20
Total PAH	9.12	0.66	8.19	ug/L	90	1			57	122	20
Fluorene	0.57	0.03	0.45	ug/L	74	3			58	123	20
4,6-Dinitro-2-methylphenol	0.57		0.45	ug/L	79	3			20	150	20
4-Bromophenyl-phenylether	0.57		0.45	ug/L	79	3			20	150	20
Hexachlorobenzene	0.57		0.44	ug/L	77	0			31	160	20
Atrazine	0.57		0.37	ug/L	65	2			20	150	20
Pentachlorophenol	1.1		0.94	ug/L	85	2			10	179	20
Phenanthrene	0.57	0.05	0.53	ug/L	84	0			64	129	20
Anthracene	0.57	0.04	0.51	ug/L	82	2			67	127	20
Fluoranthene	0.57	0.06	0.52	ug/L	81	1			55	140	20
Pyrene	0.57	0.06	0.57	ug/L	89	0			59	137	20
Benzo(a)anthracene	0.57	0.06	0.54	ug/L	84	1			51	146	20
Chrysene	0.57	0.06	0.54	ug/L	84	0			61	126	20
bis(2-Ethylhexyl)phthalate	0.57	0	0.58	ug/L	102	2			35	175	20
Benzo(b)fluoranthene	0.57	0.07	0.57	ug/L	88	1			60	123	20
Benzo(k)fluoranthene	0.57	0.07	0.59	ug/L	91	2			61	122	20
Benzo(a)pyrene	0.57	0	0.55	ug/L	96	1			54	129	20
Indeno(1,2,3-cd)pyrene	0.57	0.06	0.55	ug/L	86	1			50	134	20
Dibenz(a,h)anthracene	0.57	0.05	0.55	ug/L	88	1			53	121	20
Benzo(g,h,i)perylene	0.57	0.05	0.5	ug/L	79	3			44	132	20
1,4-Dioxane	0.57		0.61	ug/L	107	0			10	175	20

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Surrogate Summary

SW-846

SDG No.: BN061924

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
P2838-02	BP-VPB-196-GW-2	BN032076.D	2-Methylnaphthalene-d10	0.4	0.28	70		30	150
			Fluoranthene-d10	0.4	0.32	79		30	150
			2-Fluorophenol	0.4	0.12	31		10	92
			Phenol-d6	0.4	0.07	18		10	100
			Nitrobenzene-d5	0.4	0.24	60		11	175
			2-Fluorobiphenyl	0.4	0.30	74		10	175
			2,4,6-Tribromophenol	0.4	0.20	51		24	148
			Terphenyl-d14	0.4	0.47	116		54	171
P2838-03	BP-VPB-196-GW-3	BN032077.D	2-Methylnaphthalene-d10	0.4	0.27	68		30	150
			Fluoranthene-d10	0.4	0.27	68		30	150
			2-Fluorophenol	0.4	0.13	31		10	92
			Phenol-d6	0.4	0.08	20		10	100
			Nitrobenzene-d5	0.4	0.24	61		11	175
			2-Fluorobiphenyl	0.4	0.30	75		10	175
			2,4,6-Tribromophenol	0.4	0.20	51		24	148
			Terphenyl-d14	0.4	0.39	98		54	171
P2838-04	BP-VPB-196-GW-3	BN032078.D	2-Methylnaphthalene-d10	0.4	0.29	74		30	150
			Fluoranthene-d10	0.4	0.33	82		30	150
			2-Fluorophenol	0.4	0.11	28		10	92
			Phenol-d6	0.4	0.06	15		10	100
			Nitrobenzene-d5	0.4	0.25	63		11	175
			2-Fluorobiphenyl	0.4	0.30	75		10	175
			2,4,6-Tribromophenol	0.4	0.23	58		24	148
			Terphenyl-d14	0.4	0.45	113		54	171
P2838-05	BP-VPB-196-DUP-	BN032079.D	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
			Fluoranthene-d10	0.4	0.35	88		30	150
			2-Fluorophenol	0.4	0.16	40		10	92
			Phenol-d6	0.4	0.09	23		10	100
			Nitrobenzene-d5	0.4	0.29	74		11	175
			2-Fluorobiphenyl	0.4	0.33	83		10	175
			2,4,6-Tribromophenol	0.4	0.20	50		24	148
			Terphenyl-d14	0.4	0.47	118		54	171
P2838-06	BP-VPB-196-GW-3	BN032080.D	2-Methylnaphthalene-d10	0.4	0.28	69		30	150
			Fluoranthene-d10	0.4	0.32	80		30	150
			2-Fluorophenol	0.4	0.13	32		10	92
			Phenol-d6	0.4	0.07	18		10	100
			Nitrobenzene-d5	0.4	0.24	59		11	175
			2-Fluorobiphenyl	0.4	0.27	67		10	175
			2,4,6-Tribromophenol	0.4	0.21	53		24	148
			Terphenyl-d14	0.4	0.47	118		54	171
P2839-02	BP-VPB-189-GW-2	BN032082.D	2-Methylnaphthalene-d10	0.4	0.32	79		30	150
			Fluoranthene-d10	0.4	0.33	82		30	150
			2-Fluorophenol	0.4	0.14	35		10	92
			Phenol-d6	0.4	0.08	20		10	100
			Nitrobenzene-d5	0.4	0.27	67		11	175
			2-Fluorobiphenyl	0.4	0.32	79		10	175
			2,4,6-Tribromophenol	0.4	0.26	65		24	148
			Terphenyl-d14	0.4	0.41	101		54	171
P2839-04	BP-VPB-189-GW-2	BN032081.D	2-Methylnaphthalene-d10	0.4	0.29	73		30	150

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Surrogate Summary

SW-846

SDG No.: BN061924

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2839-04	BP-VPB-189-GW-2	BN032081.D	Fluoranthene-d10	0.4	0.34	84		30	150
			2-Fluorophenol	0.4	0.12	31		10	92
			Phenol-d6	0.4	0.08	19		10	100
			Nitrobenzene-d5	0.4	0.24	60		11	175
			2-Fluorobiphenyl	0.4	0.28	71		10	175
			2,4,6-Tribromophenol	0.4	0.26	64		24	148
			Terphenyl-d14	0.4	0.47	117		54	171
P2839-06	BP-VPB-189-GW-3	BN032083.D	2-Methylnaphthalene-d10	0.4	0.00	0	*	30	150
			Fluoranthene-d10	0.4	0.00	0	*	30	150
			2-Fluorophenol	0.4	0.00	0	*	10	92
			Phenol-d6	0.4	0.00	0	*	10	100
			Nitrobenzene-d5	0.4	0.00	0	*	11	175
			2-Fluorobiphenyl	0.4	0.00	0	*	10	175
			2,4,6-Tribromophenol	0.4	0.00	0	*	24	148
			Terphenyl-d14	0.4	0.00	0	*	54	171
PB161445BL	PB161445BL	BN032075.D	2-Methylnaphthalene-d10	0.4	0.30	75		30	150
			Fluoranthene-d10	0.4	0.30	74		30	150
			2-Fluorophenol	0.4	0.30	75		10	92
			Phenol-d6	0.4	0.25	63		10	100
			Nitrobenzene-d5	0.4	0.28	70		11	175
			2-Fluorobiphenyl	0.4	0.32	79		10	175
			2,4,6-Tribromophenol	0.4	0.19	47		24	148
			Terphenyl-d14	0.4	0.37	92		54	171
PB161445BS	PB161445BS	BN032089.D	2-Methylnaphthalene-d10	0.4	0.40	100		30	150
			Fluoranthene-d10	0.4	0.35	87		30	150
			2-Fluorophenol	0.4	0.33	81		10	92
			Phenol-d6	0.4	0.34	86		10	100
			Nitrobenzene-d5	0.4	0.33	82		11	175
			2-Fluorobiphenyl	0.4	0.38	94		10	175
			2,4,6-Tribromophenol	0.4	0.28	71		24	148
			Terphenyl-d14	0.4	0.45	113		54	171
PB161445BSD	PB161445BSD	BN032090.D	2-Methylnaphthalene-d10	0.4	0.40	100		30	150
			Fluoranthene-d10	0.4	0.34	85		30	150
			2-Fluorophenol	0.4	0.32	81		10	92
			Phenol-d6	0.4	0.35	86		10	100
			Nitrobenzene-d5	0.4	0.33	83		11	175
			2-Fluorobiphenyl	0.4	0.38	95		10	175
			2,4,6-Tribromophenol	0.4	0.28	71		24	148
			Terphenyl-d14	0.4	0.48	119		54	171

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Surrogate Summary

SW-846

SDG No.: BN061924

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
P2890-05	BP-VPB-189-GW-3	BN032084.D	2-Methylnaphthalene-d10	0.4	0.29	73		30	150
			Fluoranthene-d10	0.4	0.34	84		30	150
			2-Fluorophenol	0.4	0.14	34		10	92
			Phenol-d6	0.4	0.08	21		10	100
			Nitrobenzene-d5	0.4	0.25	63		11	175
			2-Fluorobiphenyl	0.4	0.32	80		10	175
			2,4,6-Tribromophenol	0.4	0.25	63		24	148
			Terphenyl-d14	0.4	0.55	138		54	171
P2890-08	BP-VPB-189-GW-4	BN032085.D	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
			Fluoranthene-d10	0.4	0.33	83		30	150
			2-Fluorophenol	0.4	0.14	34		10	92
			Phenol-d6	0.4	0.08	20		10	100
			Nitrobenzene-d5	0.4	0.27	67		11	175
			2-Fluorobiphenyl	0.4	0.36	89		10	175
			2,4,6-Tribromophenol	0.4	0.26	65		24	148
			Terphenyl-d14	0.4	0.60	149		54	171
P2891-02	BP-VPB-196-GW-3	BN032086.D	2-Methylnaphthalene-d10	0.4	0.30	76		30	150
			Fluoranthene-d10	0.4	0.32	79		30	150
			2-Fluorophenol	0.4	0.13	33		10	92
			Phenol-d6	0.4	0.09	22		10	100
			Nitrobenzene-d5	0.4	0.26	65		11	175
			2-Fluorobiphenyl	0.4	0.33	82		10	175
			2,4,6-Tribromophenol	0.4	0.23	56		24	148
			Terphenyl-d14	0.4	0.52	130		54	171
P2891-03	BP-VPB-196-GW-3	BN032087.D	2-Methylnaphthalene-d10	0.4	0.29	72		30	150
			Fluoranthene-d10	0.4	0.31	77		30	150
			2-Fluorophenol	0.4	0.14	34		10	92
			Phenol-d6	0.4	0.08	20		10	100
			Nitrobenzene-d5	0.4	0.26	64		11	175
			2-Fluorobiphenyl	0.4	0.31	78		10	175
			2,4,6-Tribromophenol	0.4	0.23	57		24	148
			Terphenyl-d14	0.4	0.47	117		54	171
P2891-04	BP-VPB-196-GW-4	BN032088.D	2-Methylnaphthalene-d10	0.4	0.32	79		30	150
			Fluoranthene-d10	0.4	0.34	86		30	150
			2-Fluorophenol	0.4	0.14	35		10	92
			Phenol-d6	0.4	0.08	21		10	100
			Nitrobenzene-d5	0.4	0.27	68		11	175
			2-Fluorobiphenyl	0.4	0.35	88		10	175
			2,4,6-Tribromophenol	0.4	0.24	60		24	148
			Terphenyl-d14	0.4	0.57	141		54	171

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Surrogate Summary

SW-846

SDG No.: BN061924

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
P2928-01	BP-VPB-196-GW-5	BN032066.D	2-Methylnaphthalene-d10	0.4	0.27	67		30	150
			Fluoranthene-d10	0.4	0.31	78		30	150
			2-Fluorophenol	0.4	0.13	34		10	92
			Phenol-d6	0.4	0.09	23		10	100
			Nitrobenzene-d5	0.4	0.24	59		11	175
			2-Fluorobiphenyl	0.4	0.30	75		10	175
			2,4,6-Tribromophenol	0.4	0.24	60		24	148
			Terphenyl-d14	0.4	0.47	117		54	171
P2928-02MS	BP-VPB-196-GW-5	BN032067.D	2-Methylnaphthalene-d10	0.4	0.32	80		30	150
			Fluoranthene-d10	0.4	0.31	79		30	150
			2-Fluorophenol	0.4	0.17	43		10	92
			Phenol-d6	0.4	0.13	32		10	100
			Nitrobenzene-d5	0.4	0.26	64		11	175
			2-Fluorobiphenyl	0.4	0.34	84		10	175
			2,4,6-Tribromophenol	0.4	0.30	76		24	148
			Terphenyl-d14	0.4	0.44	110		54	171
P2928-03MSD	BP-VPB-196-GW-5	BN032068.D	2-Methylnaphthalene-d10	0.4	0.32	81		30	150
			Fluoranthene-d10	0.4	0.31	78		30	150
			2-Fluorophenol	0.4	0.17	43		10	92
			Phenol-d6	0.4	0.13	33		10	100
			Nitrobenzene-d5	0.4	0.26	65		11	175
			2-Fluorobiphenyl	0.4	0.34	84		10	175
			2,4,6-Tribromophenol	0.4	0.30	75		24	148
			Terphenyl-d14	0.4	0.45	113		54	171
P2928-04	BP-VPB-196-GW-5	BN032069.D	2-Methylnaphthalene-d10	0.4	0.25	62		30	150
			Fluoranthene-d10	0.4	0.21	51		30	150
			2-Fluorophenol	0.4	0.12	29		10	92
			Phenol-d6	0.4	0.08	21		10	100
			Nitrobenzene-d5	0.4	0.22	56		11	175
			2-Fluorobiphenyl	0.4	0.32	80		10	175
			2,4,6-Tribromophenol	0.4	0.20	50		24	148
			Terphenyl-d14	0.4	0.28	70		54	171
P2928-05	BP-VPB-196-GW-5	BN032070.D	2-Methylnaphthalene-d10	0.4	0.35	88		30	150
			Fluoranthene-d10	0.4	0.30	75		30	150
			2-Fluorophenol	0.4	0.17	43		10	92
			Phenol-d6	0.4	0.12	29		10	100
			Nitrobenzene-d5	0.4	0.31	76		11	175
			2-Fluorobiphenyl	0.4	0.42	104		10	175
			2,4,6-Tribromophenol	0.4	0.29	72		24	148
			Terphenyl-d14	0.4	0.38	95		54	171
PB161548BL	PB161548BL	BN032065.D	2-Methylnaphthalene-d10	0.4	0.35	88		30	150
			Fluoranthene-d10	0.4	0.35	87		30	150
			2-Fluorophenol	0.4	0.37	92		10	92
			Phenol-d6	0.4	0.33	81		10	100
			Nitrobenzene-d5	0.4	0.31	79		11	175
			2-Fluorobiphenyl	0.4	0.35	86		10	175
			2,4,6-Tribromophenol	0.4	0.26	64		24	148
			Terphenyl-d14	0.4	0.39	97		54	171
PB161548BS	PB161548BS	BN032071.D	2-Methylnaphthalene-d10	0.4	0.40	99		30	150

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Surrogate Summary

SW-846

SDG No.: BN061924

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB161548BS	PB161548BS	BN032071.D	Fluoranthene-d10	0.4	0.38	95		30	150
			2-Fluorophenol	0.4	0.34	86		10	92
			Phenol-d6	0.4	0.35	86		10	100
			Nitrobenzene-d5	0.4	0.34	85		11	175
			2-Fluorobiphenyl	0.4	0.37	93		10	175
			2,4,6-Tribromophenol	0.4	0.32	81		24	148
			Terphenyl-d14	0.4	0.41	102		54	171

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN061924

Lab Code: CHEM SAS No.: BN061924 SDG NO.: BN061924

Lab File ID: BN032063.D DFTPP Injection Date: 06/19/2024

Instrument ID: BNA_N DFTPP Injection Time: 10:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.6
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	32.4
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.3
197	Less than 2.0% of mass 198	0.4
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	26
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	10.3
442	Greater than 50% of mass 198	62.1
443	15.0 - 24.0% of mass 442	12.7 (20.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN032064.D	06/19/2024	10:52
PB161548BL	PB161548BL	BN032065.D	06/19/2024	11:28
BP-VPB-196-GW-520-522	P2928-01	BN032066.D	06/19/2024	12:04
BP-VPB-196-GW-520-522MS	P2928-02MS	BN032067.D	06/19/2024	13:17
BP-VPB-196-GW-520-522MSD	P2928-03MSD	BN032068.D	06/19/2024	13:53
BP-VPB-196-GW-520-562	P2928-04	BN032069.D	06/19/2024	14:29
BP-VPB-196-GW-540-542	P2928-05	BN032070.D	06/19/2024	15:41
PB161548BS	PB161548BS	BN032071.D	06/19/2024	16:17
SSTDCCC0.4EC	SSTDCCC0.4	BN032072.D	06/19/2024	16:54

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN061924

Lab Code: CHEM SAS No.: BN061924 SDG NO.: BN061924

Lab File ID: BN032073.D DFTPP Injection Date: 06/19/2024

Instrument ID: BNA_N DFTPP Injection Time: 18:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.1
68	Less than 2.0% of mass 69	0.3 (1) 1
69	Mass 69 relative abundance	32.3
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	46.5
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	6.9
275	10.0 - 60.0% of mass 198	26.7
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	11.4
442	Greater than 50% of mass 198	75.1
443	15.0 - 24.0% of mass 442	14.2 (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	BN032074.D	06/19/2024	18:50
PB161445BL	PB161445BL	BN032075.D	06/19/2024	19:26
BP-VPB-196-GW-280-282	P2838-02	BN032076.D	06/19/2024	20:03
BP-VPB-196-GW-300-302	P2838-03	BN032077.D	06/19/2024	20:39
BP-VPB-196-GW-320-322	P2838-04	BN032078.D	06/19/2024	21:16
BP-VPB-196-DUP-20240607	P2838-05	BN032079.D	06/19/2024	21:52
BP-VPB-196-GW-340-342	P2838-06	BN032080.D	06/19/2024	22:28
BP-VPB-189-GW-278-280	P2839-04	BN032081.D	06/19/2024	23:05
BP-VPB-189-GW-238-240	P2839-02	BN032082.D	06/19/2024	23:41
BP-VPB-189-GW-318-320	P2839-06	BN032083.D	06/20/2024	00:17
BP-VPB-189-GW-358-360	P2890-05	BN032084.D	06/20/2024	00:53
BP-VPB-189-GW-438-440	P2890-08	BN032085.D	06/20/2024	01:29
BP-VPB-196-GW-360-362	P2891-02	BN032086.D	06/20/2024	02:05
BP-VPB-196-GW-380-382	P2891-03	BN032087.D	06/20/2024	02:41
BP-VPB-196-GW-400-402	P2891-04	BN032088.D	06/20/2024	03:17
PB161445BS	PB161445BS	BN032089.D	06/20/2024	03:53
PB161445BSD	PB161445BSD	BN032090.D	06/20/2024	04:29
SSTDCCC0.4EC	SSTDCCC0.4	BN032091.D	06/20/2024	05:05