

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG No.: BN072724

Instrument ID: BNA_N Calibration Date/Time: 7/27/2024 1:17:14

Lab File ID: BN033036.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.612	0.639		4.412	20.0
Fluoranthene-d10	1.035	1.046		1.063	20.0
n-Nitrosodimethylamine	0.419	0.378		-9.785	20.0
2-Fluorophenol	1.012	1.184		16.996	20.0
Phenol-d6	1.256	1.537		22.373	20.0
bis(2-Chloroethyl)ether	1.050	1.118		6.476	20.0
Nitrobenzene-d5	0.301	0.269		-10.631	20.0
Naphthalene	1.108	1.085		-2.076	20.0
Hexachlorobutadiene	0.212	0.221		4.245	20.0
2-Methylnaphthalene	0.724	0.682		-5.801	20.0
2-Fluorobiphenyl	1.489	1.318		-11.484	20.0
Acenaphthylene	1.627	1.508		-7.314	20.0
Acenaphthene	1.153	1.090		-5.464	20.0
Fluorene	1.541	1.424		-7.592	20.0
4,6-Dinitro-2-methylphenol	0.056	0.014		-75.0	20.0
2,4,6-Tribromophenol	0.171	0.153		-10.526	20.0
4-Bromophenyl-phenylether	0.235	0.204		-13.191	20.0
Hexachlorobenzene	0.263	0.249		-5.323	20.0
Atrazine	0.173	0.162		-6.358	20.0
Pentachlorophenol	0.098	0.078		-20.408	20.0
Phenanthrene	1.093	0.986		-9.79	20.0
Anthracene	0.900	0.711		-21.0	20.0
Fluoranthene	1.323	1.241		-6.198	20.0
Pyrene	1.634	1.392		-14.81	20.0
Terphenyl-d14	0.820	0.800		-2.439	20.0
Benzo(a)anthracene	1.265	1.079		-14.704	20.0
Chrysene	1.504	1.517		0.864	20.0
Bis(2-ethylhexyl)phthalate	0.700	0.961		37.286	20.0
Benzo(b)fluoranthene	1.393	1.129		-18.952	20.0
Benzo(k)fluoranthene	1.592	1.394		-12.437	20.0
Benzo(a)pyrene	1.256	1.096		-12.739	20.0
Indeno(1,2,3-cd)pyrene	1.577	1.357		-13.951	20.0
Dibenzo(a,h)anthracene	1.245	1.093		-12.209	20.0
Benzo(g,h,i)perylene	1.379	1.193		-13.488	20.0
1,4-Dioxane	0.496	0.526		6.048	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG No.: BN072724

Instrument ID: BNA_N Calibration Date/Time: 7/28/2024 1:03:28

Lab File ID: BN033053.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.612	0.594		-2.941	50.0
Fluoranthene-d10	1.035	0.982		-5.121	50.0
n-Nitrosodimethylamine	0.419	0.530		26.492	50.0
2-Fluorophenol	1.012	1.416		39.921	50.0
Phenol-d6	1.256	1.663		32.404	50.0
bis(2-Chloroethyl)ether	1.050	1.170		11.429	50.0
Nitrobenzene-d5	0.301	0.255		-15.282	50.0
Naphthalene	1.108	1.084		-2.166	50.0
Hexachlorobutadiene	0.212	0.199		-6.132	50.0
2-Methylnaphthalene	0.724	0.666		-8.011	50.0
2-Fluorobiphenyl	1.489	1.372		-7.858	50.0
Acenaphthylene	1.627	1.526		-6.208	50.0
Acenaphthene	1.153	1.135		-1.561	50.0
Fluorene	1.541	1.506		-2.271	50.0
4,6-Dinitro-2-methylphenol	0.056	0.019		-66.071	50.0
2,4,6-Tribromophenol	0.171	0.134		-21.637	50.0
4-Bromophenyl-phenylether	0.235	0.208		-11.489	50.0
Hexachlorobenzene	0.263	0.227		-13.688	50.0
Atrazine	0.173	0.157		-9.249	50.0
Pentachlorophenol	0.098	0.060		-38.776	50.0
Phenanthrene	1.093	0.987		-9.698	50.0
Anthracene	0.900	0.649		-27.889	50.0
Fluoranthene	1.323	1.250		-5.518	50.0
Pyrene	1.634	1.496		-8.446	50.0
Terphenyl-d14	0.820	0.716		-12.683	50.0
Benzo(a)anthracene	1.265	1.048		-17.154	50.0
Chrysene	1.504	1.586		5.452	50.0
Bis(2-ethylhexyl)phthalate	0.700	0.972		38.857	50.0
Benzo(b)fluoranthene	1.393	1.220		-12.419	50.0
Benzo(k)fluoranthene	1.592	1.540		-3.266	50.0
Benzo(a)pyrene	1.256	1.137		-9.475	50.0
Indeno(1,2,3-cd)pyrene	1.577	1.395		-11.541	50.0
Dibenzo(a,h)anthracene	1.245	1.091		-12.369	50.0
Benzo(g,h,i)perylene	1.379	1.253		-9.137	50.0
1,4-Dioxane	0.496	0.678		36.694	50.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG No.: BN072724

Instrument ID: BNA_N Calibration Date/Time: 7/28/2024 1:05:24

Lab File ID: BN033055.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.612	0.593		-3.105	20.0
Fluoranthene-d10	1.035	1.003		-3.092	20.0
n-Nitrosodimethylamine	0.419	0.542		29.356	20.0
2-Fluorophenol	1.012	1.860		83.794	20.0
Phenol-d6	1.256	2.287		82.086	20.0
bis(2-Chloroethyl) ether	1.050	1.070		1.905	20.0
Nitrobenzene-d5	0.301	0.342		13.621	20.0
Naphthalene	1.108	1.164		5.054	20.0
Hexachlorobutadiene	0.212	0.216		1.887	20.0
2-Methylnaphthalene	0.724	0.696		-3.867	20.0
2-Fluorobiphenyl	1.489	1.461		-1.88	20.0
Acenaphthylene	1.627	1.596		-1.905	20.0
Acenaphthene	1.153	1.143		-0.867	20.0
Fluorene	1.541	1.508		-2.141	20.0
4,6-Dinitro-2-methylphenol	0.056	0.015		-73.214	20.0
2,4,6-Tribromophenol	0.171	0.134		-21.637	20.0
4-Bromophenyl-phenylether	0.235	0.224		-4.681	20.0
Hexachlorobenzene	0.263	0.241		-8.365	20.0
Atrazine	0.173	0.163		-5.78	20.0
Pentachlorophenol	0.098	0.065		-33.673	20.0
Phenanthrene	1.093	1.073		-1.83	20.0
Anthracene	0.900	0.738		-18.0	20.0
Fluoranthene	1.323	1.301		-1.663	20.0
Pyrene	1.634	1.634		0.0	20.0
Terphenyl-d14	0.820	0.792		-3.415	20.0
Benzo(a)anthracene	1.265	1.157		-8.538	20.0
Chrysene	1.504	1.614		7.314	20.0
Bis(2-ethylhexyl)phthalate	0.700	0.895		27.857	20.0
Benzo(b)fluoranthene	1.393	1.292		-7.251	20.0
Benzo(k)fluoranthene	1.592	1.620		1.759	20.0
Benzo(a)pyrene	1.256	1.204		-4.14	20.0
Indeno(1,2,3-cd)pyrene	1.577	1.481		-6.088	20.0
Dibenzo(a,h)anthracene	1.245	1.163		-6.586	20.0
Benzo(g,h,i)perylene	1.379	1.355		-1.74	20.0
1,4-Dioxane	0.496	0.710		43.145	20.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG No.: BN072724

Instrument ID: BNA_N Calibration Date/Time: 7/28/2024 1:08:24

Lab File ID: BN033060.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.612	0.591		-3.431	50.0
Fluoranthene-d10	1.035	0.968		-6.473	50.0
n-Nitrosodimethylamine	0.419	0.429		2.387	50.0
2-Fluorophenol	1.012	1.167		15.316	50.0
Phenol-d6	1.256	1.648		31.21	50.0
bis(2-Chloroethyl)ether	1.050	1.040		-0.952	50.0
Nitrobenzene-d5	0.301	0.321		6.645	50.0
Naphthalene	1.108	1.082		-2.347	50.0
Hexachlorobutadiene	0.212	0.203		-4.245	50.0
2-Methylnaphthalene	0.724	0.660		-8.84	50.0
2-Fluorobiphenyl	1.489	1.377		-7.522	50.0
Acenaphthylene	1.627	1.520		-6.577	50.0
Acenaphthene	1.153	1.130		-1.995	50.0
Fluorene	1.541	1.495		-2.985	50.0
4,6-Dinitro-2-methylphenol	0.056	0.018		-67.857	50.0
2,4,6-Tribromophenol	0.171	0.127		-25.731	50.0
4-Bromophenyl-phenylether	0.235	0.211		-10.213	50.0
Hexachlorobenzene	0.263	0.229		-12.928	50.0
Atrazine	0.173	0.159		-8.092	50.0
Pentachlorophenol	0.098	0.054		-44.898	50.0
Phenanthrene	1.093	0.999		-8.6	50.0
Anthracene	0.900	0.638		-29.111	50.0
Fluoranthene	1.323	1.230		-7.029	50.0
Pyrene	1.634	1.573		-3.733	50.0
Terphenyl-d14	0.820	0.748		-8.78	50.0
Benzo(a)anthracene	1.265	1.047		-17.233	50.0
Chrysene	1.504	1.605		6.715	50.0
Bis(2-ethylhexyl)phthalate	0.700	1.076		53.714	50.0
Benzo(b)fluoranthene	1.393	1.175		-15.65	50.0
Benzo(k)fluoranthene	1.592	1.554		-2.387	50.0
Benzo(a)pyrene	1.256	1.138		-9.395	50.0
Indeno(1,2,3-cd)pyrene	1.577	1.324		-16.043	50.0
Dibenzo(a,h)anthracene	1.245	1.035		-16.867	50.0
Benzo(g,h,i)perylene	1.379	1.206		-12.545	50.0
1,4-Dioxane	0.496	0.578		16.532	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	PB162294BL	SDG No.:	BN072724
Lab Sample ID:	PB162294BL	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
BN033037.D	1	7/26/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162294

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

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	PB162294BL	SDG No.:	BN072724
Lab Sample ID:	PB162294BL	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
BN033037.D	1	7/26/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.343		30-150		86	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.399		30-150		100	SPK: -0.4
367-12-4	2-Fluorophenol	0.403	*	10-92		101	SPK: -0.4
13127-88-3	Phenol-d6	0.41	*	10-100		102	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.31		11-175		77	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.316		10-175		79	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.193		24-148		48	SPK: -0.4
1718-51-0	Terphenyl-d14	0.431		54-171		108	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1908	7.589				
1146-65-2	Naphthalene-d8	6334	10.458				
15067-26-2	Acenaphthene-d10	4319	14.222				
1517-22-2	Phenanthrene-d10	9677	17.007				
1719-03-5	Chrysene-d12	9420	21.187				
1520-96-3	Perylene-d12	10162	23.367				

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	PB162294BS	SDG No.:	BN072724
Lab Sample ID:	PB162294BS	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
BN033038.D	1	7/26/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.37		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.41		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	0.41		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.36		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.37		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	5.52		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	0.37		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.33		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.37		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.36		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.27		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.35		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.29		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.37		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.32		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.31		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.39		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.47		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.3		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.34		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.33		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.34		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.34		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.34		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.43		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	PB162294BS	SDG No.:	BN072724
Lab Sample ID:	PB162294BS	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
BN033038.D	1	7/26/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.398		30-150		100	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.394		30-150		98	SPK: -0.4
367-12-4	2-Fluorophenol	0.448	*	10-92		112	SPK: -0.4
13127-88-3	Phenol-d6	0.546	*	10-100		137	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.403		11-175		101	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.347		10-175		87	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.341		24-148		85	SPK: -0.4
1718-51-0	Terphenyl-d14	0.357		54-171		89	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2295	7.524				
1146-65-2	Naphthalene-d8	8545	10.319				
15067-26-2	Acenaphthene-d10	5991	14.158				
1517-22-2	Phenanthrene-d10	13162	16.945				
1719-03-5	Chrysene-d12	12950	21.16				
1520-96-3	Perylene-d12	14747	23.347				

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	PB162294BSD	SDG No.:	BN072724
Lab Sample ID:	PB162294BSD	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
BN033039.D	1	7/26/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.36		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.38		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	0.41		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.36		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.36		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	5.48		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	0.36		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.33		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.37		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.37		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.26		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.35		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.29		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.37		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.32		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.33		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.37		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.53		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.3		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.34		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.33		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.33		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.33		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.34		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.44		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	PB162294BSD	SDG No.:	BN072724
Lab Sample ID:	PB162294BSD	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
BN033039.D	1	7/26/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.403		30-150		101	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.398		30-150		100	SPK: -0.4
367-12-4	2-Fluorophenol	0.464	*	10-92		116	SPK: -0.4
13127-88-3	Phenol-d6	0.487	*	10-100		122	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.315		11-175		79	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.344		10-175		86	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.336		24-148		84	SPK: -0.4
1718-51-0	Terphenyl-d14	0.365		54-171		91	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2061	7.524				
1146-65-2	Naphthalene-d8	7653	10.319				
15067-26-2	Acenaphthene-d10	5392	14.165				
1517-22-2	Phenanthrene-d10	11728	16.952				
1719-03-5	Chrysene-d12	11364	21.158				
1520-96-3	Perylene-d12	12586	23.347				

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	GWBR-05-282-302-072524	SDG No.:	BN072724
Lab Sample ID:	P3375-01	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033040.D	1	7/26/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162294

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	J	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.04	J	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	J	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	0.21		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	GWBR-05-282-302-072524	SDG No.:	BN072724
Lab Sample ID:	P3375-01	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033040.D	1	7/26/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.312		30-150		78	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.416		30-150		104	SPK: -0.4
367-12-4	2-Fluorophenol	0.188		10-92		47	SPK: -0.4
13127-88-3	Phenol-d6	0.12		10-100		30	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.241		11-175		60	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.271		10-175		68	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.277		24-148		69	SPK: -0.4
1718-51-0	Terphenyl-d14	0.478		54-171		119	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1467	7.582				
1146-65-2	Naphthalene-d8	6071	10.404				
15067-26-2	Acenaphthene-d10	4184	14.201				
1517-22-2	Phenanthrene-d10	9188	16.97				
1719-03-5	Chrysene-d12	8816	21.169				
1520-96-3	Perylene-d12	9362	23.361				

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	GWBR-05-258-278-072524	SDG No.:	BN072724
Lab Sample ID:	P3375-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033041.D	1	7/26/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162294

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	0.04	J	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	0.29		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	GWBR-05-258-278-072524	SDG No.:	BN072724
Lab Sample ID:	P3375-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033041.D	1	7/26/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.296		30-150		74	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.407		30-150		102	SPK: -0.4
367-12-4	2-Fluorophenol	0.188		10-92		47	SPK: -0.4
13127-88-3	Phenol-d6	0.093		10-100		23	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.257		11-175		64	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.254		10-175		63	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.242		24-148		60	SPK: -0.4
1718-51-0	Terphenyl-d14	0.46		54-171		115	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1523	7.589				
1146-65-2	Naphthalene-d8	5664	10.436				
15067-26-2	Acenaphthene-d10	4151	14.201				
1517-22-2	Phenanthrene-d10	8884	16.97				
1719-03-5	Chrysene-d12	8591	21.169				
1520-96-3	Perylene-d12	9427	23.361				

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	EB-01-072524	SDG No.:	BN072724
Lab Sample ID:	P3375-04	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033042.D	1	7/26/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162294

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	0.04	J	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	0.17	J	0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	EB-01-072524	SDG No.:	BN072724
Lab Sample ID:	P3375-04	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033042.D	1	7/26/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.329		30-150		82	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.425		30-150		106	SPK: -0.4
367-12-4	2-Fluorophenol	0.216		10-92		54	SPK: -0.4
13127-88-3	Phenol-d6	0.145		10-100		36	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.364		11-175		91	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.292		10-175		73	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.298		24-148		75	SPK: -0.4
1718-51-0	Terphenyl-d14	0.491		54-171		123	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1537	7.582				
1146-65-2	Naphthalene-d8	5925	10.372				
15067-26-2	Acenaphthene-d10	4065	14.19				
1517-22-2	Phenanthrene-d10	9060	16.97				
1719-03-5	Chrysene-d12	8529	21.178				
1520-96-3	Perylene-d12	9022	23.361				

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	SP-100-20240717	SDG No.:	BN072724
Lab Sample ID:	P3299-01	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033043.D	1	7/19/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162161

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	5.9	E	0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	SP-100-20240717	SDG No.:	BN072724
Lab Sample ID:	P3299-01	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033043.D	1	7/19/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162161

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	0.419		30-150		105	SPK: -0.4
367-12-4	2-Fluorophenol	0.156		10-92		39	SPK: -0.4
13127-88-3	Phenol-d6	0.147		10-100		37	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.306		11-175		76	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.269		10-175		67	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.253		24-148		63	SPK: -0.4
1718-51-0	Terphenyl-d14	0.47		54-171		117	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2045	7.582				
1146-65-2	Naphthalene-d8	8455	10.415				
15067-26-2	Acenaphthene-d10	6166	14.19				
1517-22-2	Phenanthrene-d10	12666	16.957				
1719-03-5	Chrysene-d12	12584	21.16				
1520-96-3	Perylene-d12	13570	23.35				

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	SP-201-20240717	SDG No.:	BN072724
Lab Sample ID:	P3299-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033044.D	1	7/19/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162161

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.02	U	0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.1	0.1	ug/L
Total PAH	Total PAH	0.45	U	0.45	0.1	1.6	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.1	0.1	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.09	U	0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.02	U	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.14	U	0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.07	U	0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	SP-201-20240717	SDG No.:	BN072724
Lab Sample ID:	P3299-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033044.D	1	7/19/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162161

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.26		30-150		65	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.347		30-150		87	SPK: -0.4
367-12-4	2-Fluorophenol	0.186		10-92		47	SPK: -0.4
13127-88-3	Phenol-d6	0.143		10-100		36	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.242		11-175		60	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.226		10-175		56	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.186		24-148		47	SPK: -0.4
1718-51-0	Terphenyl-d14	0.416		54-171		104	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2399	7.568				
1146-65-2	Naphthalene-d8	9498	10.415				
15067-26-2	Acenaphthene-d10	6774	14.201				
1517-22-2	Phenanthrene-d10	14503	16.97				
1719-03-5	Chrysene-d12	13989	21.169				
1520-96-3	Perylene-d12	14264	23.356				

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-923-925	SDG No.:	BN072724
Lab Sample ID:	P3307-04	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	100 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
BN033045.D	1	7/19/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162161

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.3	U	0.3	2	2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.28	U	0.28	1	1	ug/L
91-20-3	Naphthalene	0.24	U	0.24	1	1	ug/L
87-68-3	Hexachlorobutadiene	0.26	U	0.26	1	1	ug/L
91-57-6	2-Methylnaphthalene	0.3	U	0.3	1	1	ug/L
208-96-8	Acenaphthylene	0.21	U	0.21	1	1	ug/L
83-32-9	Acenaphthene	0.2	U	0.2	1	1	ug/L
Total PAH	Total PAH	4.56	U	4.56	1	16	ug/L
86-73-7	Fluorene	0.18	U	0.18	1	1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U	1.4	2	2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.26	U	0.26	1	1	ug/L
118-74-1	Hexachlorobenzene	0.29	U	0.29	1	1	ug/L
1912-24-9	Atrazine	0.23	U	0.23	1	1	ug/L
87-86-5	Pentachlorophenol	0.9	U	0.9	2	2	ug/L
85-01-8	Phenanthrene	0.2	U	0.2	1	1	ug/L
120-12-7	Anthracene	0.24	U	0.24	1	1	ug/L
206-44-0	Fluoranthene	0.23	U	0.23	1	1	ug/L
129-00-0	Pyrene	0.22	U	0.22	1	1	ug/L
56-55-3	Benzo(a)anthracene	0.22	U	0.22	1	1	ug/L
218-01-9	Chrysene	0.26	U	0.26	1	1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	10.4		1.4	2	2	ug/L
205-99-2	Benzo(b)fluoranthene	0.32	U	0.32	1	1	ug/L
207-08-9	Benzo(k)fluoranthene	0.34	U	0.34	1	1	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	1	1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	U	0.38	1	1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.39	U	0.39	1	1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.37	U	0.37	1	1	ug/L
123-91-1	1,4-Dioxane	0.68	U	0.68	2	2	ug/L

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-923-925	SDG No.:	BN072724
Lab Sample ID:	P3307-04	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	100 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
BN033045.D	1	7/19/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162161

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.453		30-150		113	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.325		30-150		81	SPK: -0.4
367-12-4	2-Fluorophenol	0.163		10-92		41	SPK: -0.4
13127-88-3	Phenol-d6	0.143		10-100		36	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.313		11-175		78	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.256		10-175		64	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.124		24-148		31	SPK: -0.4
1718-51-0	Terphenyl-d14	0.347		54-171		87	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2356	7.532				
1146-65-2	Naphthalene-d8	8693	10.276				
15067-26-2	Acenaphthene-d10	6691	14.154				
1517-22-2	Phenanthrene-d10	14383	16.927				
1719-03-5	Chrysene-d12	14424	21.149				
1520-96-3	Perylene-d12	14907	23.327				

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	VPB189-HYD-20240717	SDG No.:	BN072724
Lab Sample ID:	P3307-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	880 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033046.D	1	7/19/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162161

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.23	0.23	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.11	0.11	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.11	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.11	0.11	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.11	0.11	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.11	0.11	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.11	0.11	ug/L
Total PAH	Total PAH	0.52	U	0.52	0.11	1.76	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.11	0.11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.16	U	0.16	0.23	0.23	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.11	0.11	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.11	0.11	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.11	0.11	ug/L
87-86-5	Pentachlorophenol	0.1	U	0.1	0.23	0.23	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.11	0.11	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.11	0.11	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.11	0.11	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.11	0.11	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.11	0.11	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.11	0.11	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.16	U	0.16	0.23	0.23	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.11	0.11	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.11	0.11	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.11	0.11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.11	0.11	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.11	0.11	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.11	0.11	ug/L
123-91-1	1,4-Dioxane	0.63		0.08	0.23	0.23	ug/L

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	VPB189-HYD-20240717	SDG No.:	BN072724
Lab Sample ID:	P3307-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	880 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033046.D	1	7/19/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162161

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.012	*	30-150		3	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.151		30-150		38	SPK: -0.4
367-12-4	2-Fluorophenol	0.013	*	10-92		3	SPK: -0.4
13127-88-3	Phenol-d6	0.005	*	10-100		1	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.242		11-175		60	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.178		10-175		44	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.016	*	24-148		4	SPK: -0.4
1718-51-0	Terphenyl-d14	0.253		54-171		63	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4701	7.517				
1146-65-2	Naphthalene-d8	16790	10.319				
15067-26-2	Acenaphthene-d10	12494	14.169				
1517-22-2	Phenanthrene-d10	27585	16.945				
1719-03-5	Chrysene-d12	27213	21.151				
1520-96-3	Perylene-d12	24611	23.335				

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	SP-303-20240717	SDG No.:	BN072724
Lab Sample ID:	P3299-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033047.D	1	7/19/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162161

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

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	SP-303-20240717	SDG No.:	BN072724
Lab Sample ID:	P3299-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033047.D	1	7/19/2024 12:00:00 AM	7/27/2024 12:00:00 AM	PB162161

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.305		30-150		76	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.394		30-150		98	SPK: -0.4
367-12-4	2-Fluorophenol	0.273		10-92		68	SPK: -0.4
13127-88-3	Phenol-d6	0.172		10-100		43	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.314		11-175		79	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.256		10-175		64	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.276		24-148		69	SPK: -0.4
1718-51-0	Terphenyl-d14	0.447		54-171		112	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1959	7.582				
1146-65-2	Naphthalene-d8	8054	10.415				
15067-26-2	Acenaphthene-d10	5879	14.197				
1517-22-2	Phenanthrene-d10	12090	16.964				
1719-03-5	Chrysene-d12	11776	21.167				
1520-96-3	Perylene-d12	11747	23.359				

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	PB162161BS	SDG No.:	BN072724
Lab Sample ID:	PB162161BS	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
BN033048.D	1	7/19/2024 12:00:00 AM	7/28/2024 12:00:00 AM	PB162161

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.31		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.45		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.39		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.41		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.36		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.36		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	5.45		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	0.39		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.33		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.37		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.36		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.29		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.35		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.28		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.36		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.33		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.3		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.4		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.56		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.3		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.34		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.33		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.32		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.32		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.33		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.45		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	PB162161BS	SDG No.:	BN072724
Lab Sample ID:	PB162161BS	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
BN033048.D	1	7/19/2024 12:00:00 AM	7/28/2024 12:00:00 AM	PB162161

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.4		30-150		100	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.389		30-150		97	SPK: -0.4
367-12-4	2-Fluorophenol	0.445	*	10-92		111	SPK: -0.4
13127-88-3	Phenol-d6	0.535	*	10-100		134	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.388		11-175		97	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.34		10-175		85	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.345		24-148		86	SPK: -0.4
1718-51-0	Terphenyl-d14	0.369		54-171		92	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2100	7.524				
1146-65-2	Naphthalene-d8	7941	10.319				
15067-26-2	Acenaphthene-d10	5657	14.165				
1517-22-2	Phenanthrene-d10	12217	16.939				
1719-03-5	Chrysene-d12	11522	21.158				
1520-96-3	Perylene-d12	12864	23.345				

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	PB162161BSD	SDG No.:	BN072724
Lab Sample ID:	PB162161BSD	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
BN033049.D	1	7/19/2024 12:00:00 AM	7/28/2024 12:00:00 AM	PB162161

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.28		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.41		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	0.41		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.36		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.36		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	5.43		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	0.37		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.33		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.37		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.36		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.28		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.35		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.28		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.36		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.33		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.31		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.39		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.52		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.3		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.34		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.33		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.32		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.32		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.32		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.47		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	PB162161BSD	SDG No.:	BN072724
Lab Sample ID:	PB162161BSD	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
BN033049.D	1	7/19/2024 12:00:00 AM	7/28/2024 12:00:00 AM	PB162161

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.404		30-150		101	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.385		30-150		96	SPK: -0.4
367-12-4	2-Fluorophenol	0.448	*	10-92		112	SPK: -0.4
13127-88-3	Phenol-d6	0.548	*	10-100		137	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.386		11-175		97	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.313		10-175		78	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.334		24-148		83	SPK: -0.4
1718-51-0	Terphenyl-d14	0.371		54-171		93	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2334	7.524				
1146-65-2	Naphthalene-d8	8751	10.319				
15067-26-2	Acenaphthene-d10	6204	14.158				
1517-22-2	Phenanthrene-d10	13394	16.945				
1719-03-5	Chrysene-d12	12376	21.152				
1520-96-3	Perylene-d12	13656	23.344				

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	PB162161BL	SDG No.:	BN072724
Lab Sample ID:	PB162161BL	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
BN033050.D	1	7/19/2024 12:00:00 AM	7/28/2024 12:00:00 AM	PB162161

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

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	PB162161BL	SDG No.:	BN072724
Lab Sample ID:	PB162161BL	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
BN033050.D	1	7/19/2024 12:00:00 AM	7/28/2024 12:00:00 AM	PB162161

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30-150		80	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.361		30-150		90	SPK: -0.4
367-12-4	2-Fluorophenol	0.338		10-92		84	SPK: -0.4
13127-88-3	Phenol-d6	0.436	*	10-100		109	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.312		11-175		78	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.286		10-175		72	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.149		24-148		37	SPK: -0.4
1718-51-0	Terphenyl-d14	0.394		54-171		98	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3452	7.575				
1146-65-2	Naphthalene-d8	12933	10.415				
15067-26-2	Acenaphthene-d10	8660	14.201				
1517-22-2	Phenanthrene-d10	17606	16.982				
1719-03-5	Chrysene-d12	17027	21.178				
1520-96-3	Perylene-d12	17299	23.356				

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-EB-20240718	SDG No.:	BN072724
Lab Sample ID:	P3338-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	880 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033051.D	1	7/23/2024 12:00:00 AM	7/28/2024 12:00:00 AM	PB162236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.23	0.23	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.11	0.11	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.11	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.11	0.11	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.11	0.11	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.11	0.11	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.11	0.11	ug/L
Total PAH	Total PAH	0.52	U	0.52	0.11	1.76	ug/L
86-73-7	Fluorene	0.03	J	0.02	0.11	0.11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.16	U	0.16	0.23	0.23	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.11	0.11	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.11	0.11	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.11	0.11	ug/L
87-86-5	Pentachlorophenol	0.1	U	0.1	0.23	0.23	ug/L
85-01-8	Phenanthrene	0.05	J	0.02	0.11	0.11	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.11	0.11	ug/L
206-44-0	Fluoranthene	0.04	J	0.03	0.11	0.11	ug/L
129-00-0	Pyrene	0.03	J	0.03	0.11	0.11	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.11	0.11	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.11	0.11	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9		0.16	0.23	0.23	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.11	0.11	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.11	0.11	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.11	0.11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.11	0.11	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.11	0.11	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.11	0.11	ug/L
123-91-1	1,4-Dioxane	0.2	J	0.08	0.23	0.23	ug/L

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-EB-20240718	SDG No.:	BN072724
Lab Sample ID:	P3338-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	880 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033051.D	1	7/23/2024 12:00:00 AM	7/28/2024 12:00:00 AM	PB162236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.298		30-150		75	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.42		30-150		105	SPK: -0.4
367-12-4	2-Fluorophenol	0.289		10-92		72	SPK: -0.4
13127-88-3	Phenol-d6	0.189		10-100		47	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.411		11-175		103	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.343		10-175		86	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.346		24-148		86	SPK: -0.4
1718-51-0	Terphenyl-d14	0.494		54-171		123	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2002	7.596				
1146-65-2	Naphthalene-d8	7878	10.34				
15067-26-2	Acenaphthene-d10	4675	14.179				
1517-22-2	Phenanthrene-d10	12065	16.957				
1719-03-5	Chrysene-d12	10285	21.178				
1520-96-3	Perylene-d12	10233	23.367				

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	VPB196-HYD-20240718	SDG No.:	BN072724
Lab Sample ID:	P3338-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	930 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
BN033052.D	1	7/23/2024 12:00:00 AM	7/28/2024 12:00:00 AM	PB162236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.22	0.22	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.11	0.11	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.11	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.11	0.11	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.11	0.11	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.11	0.11	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.11	0.11	ug/L
Total PAH	Total PAH	0.48	U	0.48	0.11	1.76	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.11	0.11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.15	U	0.15	0.22	0.22	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.11	0.11	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.11	0.11	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.11	0.11	ug/L
87-86-5	Pentachlorophenol	0.1	U	0.1	0.22	0.22	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.11	0.11	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.11	0.11	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.11	0.11	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.11	0.11	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.11	0.11	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.11	0.11	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.15	U	0.15	0.22	0.22	ug/L
205-99-2	Benzo(b)fluoranthene	0.03	U	0.03	0.11	0.11	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.11	0.11	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.11	0.11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.11	0.11	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.11	0.11	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.11	0.11	ug/L
123-91-1	1,4-Dioxane	0.14	J	0.07	0.22	0.22	ug/L

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	VPB196-HYD-20240718	SDG No.:	BN072724
Lab Sample ID:	P3338-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	930 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
BN033052.D	1	7/23/2024 12:00:00 AM	7/28/2024 12:00:00 AM	PB162236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.001	*	30-150		0	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.225		30-150		56	SPK: -0.4
367-12-4	2-Fluorophenol	0.059		10-92		15	SPK: -0.4
13127-88-3	Phenol-d6	0.007	*	10-100		2	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.416		11-175		104	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.34		10-175		85	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.246		24-148		62	SPK: -0.4
1718-51-0	Terphenyl-d14	0.485		54-171		121	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2197	7.561				
1146-65-2	Naphthalene-d8	9248	10.372				
15067-26-2	Acenaphthene-d10	6093	14.19				
1517-22-2	Phenanthrene-d10	13064	16.97				
1719-03-5	Chrysene-d12	11044	21.169				
1520-96-3	Perylene-d12	9531	23.367				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	PB162236BL	SDG No.:	BN072724
Lab Sample ID:	PB162236BL	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
BN033056.D	1	7/23/2024 12:00:00 AM	7/28/2024 12:00:00 AM	PB162236

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

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	PB162236BL	SDG No.:	BN072724
Lab Sample ID:	PB162236BL	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
BN033056.D	1	7/23/2024 12:00:00 AM	7/28/2024 12:00:00 AM	PB162236

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	0.429		30-150		107	SPK: -0.4
367-12-4	2-Fluorophenol	0.411	*	10-92		103	SPK: -0.4
13127-88-3	Phenol-d6	0.407	*	10-100		102	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.411		11-175		103	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.35		10-175		88	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.21		24-148		52	SPK: -0.4
1718-51-0	Terphenyl-d14	0.434		54-171		108	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2873	7.589				
1146-65-2	Naphthalene-d8	9361	10.49				
15067-26-2	Acenaphthene-d10	5708	14.229				
1517-22-2	Phenanthrene-d10	10377	17.026				
1719-03-5	Chrysene-d12	9562	21.194				
1520-96-3	Perylene-d12	9511	23.377				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	PB162236BS	SDG No.:	BN072724
Lab Sample ID:	PB162236BS	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
BN033057.D	1	7/23/2024 12:00:00 AM	7/28/2024 12:00:00 AM	PB162236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.41		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.36		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.4		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.39		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.37		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.38		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.4		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.95		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.4		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.38		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.36		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.35		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.37		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.22		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.37		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.3		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	0.38		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.33		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.43		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.52		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.36		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.39		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.36		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.35		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.35		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.37		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.44		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	PB162236BS	SDG No.:	BN072724
Lab Sample ID:	PB162236BS	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
BN033057.D	1	7/23/2024 12:00:00 AM	7/28/2024 12:00:00 AM	PB162236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.391		30-150		98	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.381		30-150		95	SPK: -0.4
367-12-4	2-Fluorophenol	0.459	*	10-92		115	SPK: -0.4
13127-88-3	Phenol-d6	0.517	*	10-100		129	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.423		11-175		106	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.373		10-175		93	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.309		24-148		77	SPK: -0.4
1718-51-0	Terphenyl-d14	0.363		54-171		91	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3193	7.524				
1146-65-2	Naphthalene-d8	11413	10.319				
15067-26-2	Acenaphthene-d10	7782	14.158				
1517-22-2	Phenanthrene-d10	17027	16.945				
1719-03-5	Chrysene-d12	14521	21.152				
1520-96-3	Perylene-d12	15008	23.347				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	PB162236BSD	SDG No.:	BN072724
Lab Sample ID:	PB162236BSD	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
BN033058.D	1	7/23/2024 12:00:00 AM	7/28/2024 12:00:00 AM	PB162236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.45		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.36		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.4		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	0.37		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.38		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.4		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.39		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.36		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.37		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.35		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.39		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.23		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	0.31		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	0.39		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.33		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.42		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.51		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.36		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.39		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.37		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.36		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.36		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.38		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.46		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	PB162236BSD	SDG No.:	BN072724
Lab Sample ID:	PB162236BSD	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
BN033058.D	1	7/23/2024 12:00:00 AM	7/28/2024 12:00:00 AM	PB162236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.385		30-150		96	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.383		30-150		96	SPK: -0.4
367-12-4	2-Fluorophenol	0.462	*	10-92		115	SPK: -0.4
13127-88-3	Phenol-d6	0.52	*	10-100		130	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.446		11-175		112	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.32		10-175		80	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.307		24-148		77	SPK: -0.4
1718-51-0	Terphenyl-d14	0.377		54-171		94	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3461	7.517				
1146-65-2	Naphthalene-d8	11668	10.319				
15067-26-2	Acenaphthene-d10	7851	14.158				
1517-22-2	Phenanthrene-d10	16847	16.945				
1719-03-5	Chrysene-d12	13780	21.152				
1520-96-3	Perylene-d12	13410	23.347				

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-1000-1002	SDG No.:	BN072724
Lab Sample ID:	P3338-04	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	650 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
BN033059.D	1	7/23/2024 12:00:00 AM	7/28/2024 12:00:00 AM	PB162236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.05	U	0.05	0.31	0.31	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	0.05	U	0.05	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	0.71	U	0.71	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	0.22	U	0.22	0.31	0.31	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	0.04	U	0.04	0.15	0.15	ug/L
87-86-5	Pentachlorophenol	0.14	U	0.14	0.31	0.31	ug/L
85-01-8	Phenanthrene	0.05	J	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	0.07	J	0.04	0.15	0.15	ug/L
129-00-0	Pyrene	0.05	J	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	2.4		0.22	0.31	0.31	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	0.09	U	0.09	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	0.1	U	0.1	0.31	0.31	ug/L

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-1000-1002	SDG No.:	BN072724
Lab Sample ID:	P3338-04	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	650 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
BN033059.D	1	7/23/2024 12:00:00 AM	7/28/2024 12:00:00 AM	PB162236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.279		30-150		70	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.385		30-150		96	SPK: -0.4
367-12-4	2-Fluorophenol	0.189		10-92		47	SPK: -0.4
13127-88-3	Phenol-d6	0.135		10-100		34	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.31		11-175		77	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.295		10-175		74	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.268		24-148		67	SPK: -0.4
1718-51-0	Terphenyl-d14	0.413		54-171		103	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2909	7.568				
1146-65-2	Naphthalene-d8	10123	10.319				
15067-26-2	Acenaphthene-d10	6138	14.18				
1517-22-2	Phenanthrene-d10	13273	16.945				
1719-03-5	Chrysene-d12	12367	21.16				
1520-96-3	Perylene-d12	11769	23.353				

Hit Summary Sheet SW-846

SDG No.: BN072724

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SP-100-20240717							
P3299-01	SP-100-20240717	Water	1,4-Dioxane	5.900	E 0.07	0.2	ug/L
			Total Svoc :	5.90			
			Total Concentration:	5.90			
Client ID : VPB189-HYD-20240717							
P3307-02	VPB189-HYD-20240717	Water	1,4-Dioxane	0.630	0.08	0.23	ug/L
			Total Svoc :	0.63			
			Total Concentration:	0.63			
Client ID : BP-VPB-189-GW-923-925							
P3307-04	BP-VPB-189-GW-923-92	Water	Bis(2-ethylhexyl)phthalate	10.400	1.4	2	ug/L
			Total Svoc :	10.40			
			Total Concentration:	10.40			
Client ID : BP-VPB-196-EB-20240718							
P3338-02	BP-VPB-196-EB-202407	Water	1,4-Dioxane	0.200	J 0.08	0.23	ug/L
P3338-02	BP-VPB-196-EB-202407	Water	Bis(2-ethylhexyl)phthalate	1.900	0.16	0.23	ug/L
P3338-02	BP-VPB-196-EB-202407	Water	Fluoranthene	0.040	J 0.03	0.11	ug/L
P3338-02	BP-VPB-196-EB-202407	Water	Fluorene	0.030	J 0.02	0.11	ug/L
P3338-02	BP-VPB-196-EB-202407	Water	Phenanthrene	0.050	J 0.02	0.11	ug/L
P3338-02	BP-VPB-196-EB-202407	Water	Pyrene	0.030	J 0.03	0.11	ug/L
			Total Svoc :	2.25			
			Total Concentration:	2.25			
Client ID : VPB196-HYD-20240718							
P3338-03	VPB196-HYD-20240718	Water	1,4-Dioxane	0.140	J 0.07	0.22	ug/L
			Total Svoc :	0.14			
			Total Concentration:	0.14			
Client ID : BP-VPB-196-GW-1000-1002							
P3338-04	BP-VPB-196-GW-1000-1	Water	Bis(2-ethylhexyl)phthalate	2.400	0.22	0.31	ug/L
P3338-04	BP-VPB-196-GW-1000-1	Water	Fluoranthene	0.070	J 0.04	0.15	ug/L
P3338-04	BP-VPB-196-GW-1000-1	Water	Phenanthrene	0.050	J 0.03	0.15	ug/L
P3338-04	BP-VPB-196-GW-1000-1	Water	Pyrene	0.050	J 0.03	0.15	ug/L
			Total Svoc :	2.57			
			Total Concentration:	2.57			
Client ID : GWBR-05-282-302-072524							
P3375-01	GWBR-05-282-302-0725	Water	1,4-Dioxane	0.210	0.07	0.2	ug/L
P3375-01	GWBR-05-282-302-0725	Water	Benzo(a)anthracene	0.020	J 0.02	0.1	ug/L
P3375-01	GWBR-05-282-302-0725	Water	Chrysene	0.040	J 0.03	0.1	ug/L

Hit Summary Sheet
SW-846

SDG No.: BN072724

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
P3375-01	GWBR-05-282-302-0725 Water	Indeno(1,2,3-cd)pyrene	0.040	J	0.04	0.1	ug/L
		Total Svoc :			0.31		
		Total Concentration:			0.31		
Client ID : GWBR-05-258-278-072524							
P3375-02	GWBR-05-258-278-0725 Water	1,4-Dioxane	0.290		0.07	0.2	ug/L
P3375-02	GWBR-05-258-278-0725 Water	Chrysene	0.040	J	0.03	0.1	ug/L
		Total Svoc :			0.33		
		Total Concentration:			0.33		
Client ID : EB-01-072524							
P3375-04	EB-01-072524 Water	1,4-Dioxane	0.170	J	0.07	0.2	ug/L
P3375-04	EB-01-072524 Water	Chrysene	0.040	J	0.03	0.1	ug/L
		Total Svoc :			0.21		
		Total Concentration:			0.21		

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

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

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

Calibration Time(s): 15:54 _____

LAB FILE ID:		RRF0.1 = BN032616.D			RRF0.2 = BN032617.D		RRF0.4 = BN032618.D	
		RRF0.8 = BN032619.D			RRF1.6 = BN032620.D		RRF3.2 = BN032621.D	
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.594	0.576	0.597	0.657	0.650	0.596	0.612	5.0
Fluoranthene-d10	1.009	0.987	0.986	1.101	1.097	1.018	1.035	4.7
n-Nitrosodimethylamine	0.451	0.408	0.421	0.441	0.428	0.400	0.419	5.7
2-Fluorophenol	1.089	0.979	1.038	1.043	1.009	0.974	1.012	4.8
Phenol-d6	1.214	1.102	1.258	1.297	1.331	1.282	1.256	6.2
bis(2-Chloroethyl)ether	0.977	0.841	1.059	1.258	1.054	1.062	1.050	12.0
Nitrobenzene-d5	0.268	0.271	0.291	0.331	0.328	0.310	0.301	8.5
Naphthalene	1.116	1.074	1.103	1.173	1.147	1.071	1.108	3.7
Hexachlorobutadiene	0.228	0.216	0.214	0.222	0.212	0.197	0.212	5.9
2-Methylnaphthalene	0.677	0.665	0.697	0.784	0.785	0.720	0.724	6.6
2-Fluorobiphenyl	1.471	1.388	1.485	1.608	1.547	1.475	1.489	4.7
Acenaphthylene	1.493	1.457	1.495	1.715	1.765	1.718	1.627	8.5
Acenaphthene	1.117	1.088	1.142	1.251	1.212	1.134	1.153	5.0
Fluorene	1.504	1.473	1.523	1.674	1.635	1.470	1.541	5.2
4,6-Dinitro-2-methylphenol		0.028	0.034	0.053	0.065	0.071	0.056	39.5
2,4,6-Tribromophenol	0.168	0.150	0.153	0.174	0.183	0.173	0.171	9.4
4-Bromophenyl-phenylether	0.235	0.219	0.231	0.245	0.244	0.237	0.235	3.8
Hexachlorobenzene	0.270	0.254	0.258	0.277	0.272	0.262	0.263	3.9
Atrazine	0.164	0.156	0.155	0.182	0.188	0.177	0.173	8.6
Pentachlorophenol	0.113	0.080	0.081	0.093	0.100	0.103	0.098	14.1
Phenanthrene	1.036	0.986	1.058	1.197	1.172	1.108	1.093	6.8
Anthracene	0.760	0.742	0.789	0.963	1.024	1.001	0.900	14.4
Fluoranthene	1.263	1.235	1.250	1.418	1.430	1.316	1.323	6.0
Pyrene	1.719	1.569	1.692	1.772	1.676	1.506	1.634	6.6
Terphenyl-d14	0.861	0.794	0.846	0.886	0.841	0.744	0.820	6.4
Benzo (a) anthracene	1.224	1.077	1.198	1.352	1.336	1.313	1.265	8.2
Chrysene	1.490	1.507	1.549	1.597	1.576	1.397	1.504	5.2
Bis(2-ethylhexyl)phthalate	0.701	0.684	0.604	0.695	0.711	0.703	0.700	8.3
Benzo (b) fluoranthene	1.190	1.195	1.313	1.544	1.566	1.434	1.393	11.5
Benzo (k) fluoranthene	1.502	1.528	1.587	1.770	1.684	1.561	1.592	6.3
Benzo (a) pyrene	1.200	1.142	1.203	1.362	1.344	1.272	1.256	6.4
Indeno (1,2,3-cd) pyrene	1.547	1.410	1.534	1.674	1.629	1.704	1.577	6.4
Dibenzo (a,h) anthracene	1.180	1.116	1.215	1.323	1.294	1.362	1.245	6.9
Benzo (g,h,i) perylene	1.374	1.288	1.378	1.459	1.394	1.470	1.379	5.2
1,4-Dioxane	0.613	0.525	0.495	0.515	0.476	0.434	0.496	13.4

All other compounds must meet a minimum RRF of 0.010.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jul 27 2024 12:00AM

Lab File ID: BN032618.D Time Analyzed: 17:50

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	4288	7.567	13064	10.36	8572	14.21
	UPPER LIMIT	8576	8.067	26128	10.857	17144	14.71
	LOWER LIMIT	2144	7.067	6532	9.857	4286	13.71
	EPA SAMPLE NO.						
01	PB162294BL	1908 *	7.59	6334 *	10.46	4319	14.22
02	PB162294BS	2295	7.52	8545	10.32	5991	14.16
03	PB162294BSD	2061 *	7.52	7653	10.32	5392	14.17
04	GWBR-05-282-302-072524	1467 *	7.58	6071 *	10.40	4184 *	14.20
05	GWBR-05-258-278-072524	1523 *	7.59	5664 *	10.44	4151 *	14.20
06	EB-01-072524	1537 *	7.58	5925 *	10.37	4065 *	14.19
07	SP-100-20240717	2045 *	7.58	8455	10.42	6166	14.19
08	SP-201-20240717	2399	7.57	9498	10.42	6774	14.20
09	BP-VPB-189-GW-923-925	2356	7.53	8693	10.28	6691	14.15
10	VPB189-HYD-20240717	4701	7.52	16790	10.32	12494	14.17
11	SP-303-20240717	1959 *	7.58	8054	10.42	5879	14.20
12	PB162161BS	2100 *	7.52	7941	10.32	5657	14.17
13	PB162161BSD	2334	7.52	8751	10.32	6204	14.16
14	PB162161BL	3452	7.58	12933	10.42	8660	14.20
15	BP-VPB-196-EB-20240718	2002 *	7.60	7878	10.34	4675	14.18
16	VPB196-HYD-20240718	2197	7.56	9248	10.37	6093	14.19
17	PB162236BL	2873	7.59	9361	10.49	5708	14.23
18	PB162236BS	3193	7.52	11413	10.32	7782	14.16
19	PB162236BSD	3461	7.52	11668	10.32	7851	14.16
20	BP-VPB-196-GW-1000-1002	2909	7.57	10123	10.32	6138	14.18

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jul 28 2024 12:00AM

Lab File ID: BN032618.D Time Analyzed: 07:48

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	4288	7.567	13064	10.36	8572	14.21
UPPER LIMIT	8576	8.067	26128	10.857	17144	14.71
LOWER LIMIT	2144	7.067	6532	9.857	4286	13.71
EPA SAMPLE NO.						

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 27 2024 12:00AM

Lab File ID: BN033036.D Time Analyzed: 17:50

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	2459	7.517	8856	10.31	6345	14.17
	UPPER LIMIT	4918	8.017	17712	10.808	12690	14.665
	LOWER LIMIT	1229.5	7.017	4428	9.808	3172.5	13.665
	EPA SAMPLE NO.						
01	PB162294BL	1908	7.59	6334	10.46	4319	14.22
02	PB162294BS	2295	7.52	8545	10.32	5991	14.16
03	PB162294BSD	2061	7.52	7653	10.32	5392	14.17
04	GWBR-05-282-302-072524	1467	7.58	6071	10.40	4184	14.20
05	GWBR-05-258-278-072524	1523	7.59	5664	10.44	4151	14.20
06	EB-01-072524	1537	7.58	5925	10.37	4065	14.19
07	SP-100-20240717	2045	7.58	8455	10.42	6166	14.19
08	SP-201-20240717	2399	7.57	9498	10.42	6774	14.20
09	BP-VPB-189-GW-923-925	2356	7.53	8693	10.28	6691	14.15
10	VPB189-HYD-20240717	4701	7.52	16790	10.32	12494	14.17
11	SP-303-20240717	1959	7.58	8054	10.42	5879	14.20
12	PB162161BS	2100	7.52	7941	10.32	5657	14.17
13	PB162161BSD	2334	7.52	8751	10.32	6204	14.16
14	PB162161BL	3452	7.58	12933	10.42	8660	14.20
15	BP-VPB-196-EB-20240718	2002	7.60	7878	10.34	4675	14.18
16	VPB196-HYD-20240718	2197	7.56	9248	10.37	6093	14.19

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 28 2024 12:00AM

Lab File ID: BN033036.D Time Analyzed: 02:52

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	2459	7.517	8856	10.31	6345	14.17
UPPER LIMIT	4918	8.017	17712	10.808	12690	14.665
LOWER LIMIT	1229.5	7.017	4428	9.808	3172.5	13.665
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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 28 2024 12:00AM

Lab File ID: BN033055.D Time Analyzed: 06:00

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	4014	7.517	12892	10.31	8590	14.16
UPPER LIMIT	8028	8.017	25784	10.808	17180	14.658
LOWER LIMIT	2007	7.017	6446	9.808	4295	13.658
EPA SAMPLE NO.						
01 PB162236BL	2873	7.59	9361	10.49	5708	14.23
02 PB162236BS	3193	7.52	11413	10.32	7782	14.16
03 PB162236BSD	3461	7.52	11668	10.32	7851	14.16
04 BP-VPB-196-GW-1000-1002	2909	7.57	10123	10.32	6138	14.18

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jul 27 2024 12:00AM

Lab File ID: BN032618.D Time Analyzed: 17:50

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	18433	16.979	13897	21.193	13224	23.402
	UPPER LIMIT	36866	17.479	27794	21.693	26448	23.902
	LOWER LIMIT	9216.5	16.479	6948.5	20.693	6612	22.902
	EPA SAMPLE NO.						
01	PB162294BL	9677	17.01	9420	21.19	10162	23.37
02	PB162294BS	13162	16.95	12950	21.16	14747	23.35
03	PB162294BSD	11728	16.95	11364	21.16	12586	23.35
04	GWBR-05-282-302-072524	9188 *	16.97	8816	21.17	9362	23.36
05	GWBR-05-258-278-072524	8884 *	16.97	8591	21.17	9427	23.36
06	EB-01-072524	9060 *	16.97	8529	21.18	9022	23.36
07	SP-100-20240717	12666	16.96	12584	21.16	13570	23.35
08	SP-201-20240717	14503	16.97	13989	21.17	14264	23.36
09	BP-VPB-189-GW-923-925	14383	16.93	14424	21.15	14907	23.33
10	VPB189-HYD-20240717	27585	16.95	27213	21.15	24611	23.34
11	SP-303-20240717	12090	16.96	11776	21.17	11747	23.36
12	PB162161BS	12217	16.94	11522	21.16	12864	23.35
13	PB162161BSD	13394	16.95	12376	21.15	13656	23.34
14	PB162161BL	17606	16.98	17027	21.18	17299	23.36
15	BP-VPB-196-EB-20240718	12065	16.96	10285	21.18	10233	23.37
16	VPB196-HYD-20240718	13064	16.97	11044	21.17	9531	23.37
17	PB162236BL	10377	17.03	9562	21.19	9511	23.38
18	PB162236BS	17027	16.95	14521	21.15	15008	23.35
19	PB162236BSD	16847	16.95	13780	21.15	13410	23.35
20	BP-VPB-196-GW-1000-1002	13273	16.95	12367	21.16	11769	23.35

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jul 28 2024 12:00AM

Lab File ID: BN032618.D Time Analyzed: 07:48

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	18433	16.979	13897	21.193	13224	23.402
UPPER LIMIT	36866	17.479	27794	21.693	26448	23.902
LOWER LIMIT	9216.5	16.479	6948.5	20.693	6612	22.902
EPA SAMPLE NO.						

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 27 2024 12:00AM

Lab File ID: BN033036.D Time Analyzed: 17:50

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	13337	16.939	12542	21.158	14176	23.345
	UPPER LIMIT	26674	17.439	25084	21.658	28352	23.845
	LOWER LIMIT	6668.5	16.439	6271	20.658	7088	22.845
	EPA SAMPLE NO.						
01	PB162294BL	9677	17.01	9420	21.19	10162	23.37
02	PB162294BS	13162	16.95	12950	21.16	14747	23.35
03	PB162294BSD	11728	16.95	11364	21.16	12586	23.35
04	GWBR-05-282-302-072524	9188	16.97	8816	21.17	9362	23.36
05	GWBR-05-258-278-072524	8884	16.97	8591	21.17	9427	23.36
06	EB-01-072524	9060	16.97	8529	21.18	9022	23.36
07	SP-100-20240717	12666	16.96	12584	21.16	13570	23.35
08	SP-201-20240717	14503	16.97	13989	21.17	14264	23.36
09	BP-VPB-189-GW-923-925	14383	16.93	14424	21.15	14907	23.33
10	VPB189-HYD-20240717	27585 *	16.95	27213 *	21.15	24611	23.34
11	SP-303-20240717	12090	16.96	11776	21.17	11747	23.36
12	PB162161BS	12217	16.94	11522	21.16	12864	23.35
13	PB162161BSD	13394	16.95	12376	21.15	13656	23.34
14	PB162161BL	17606	16.98	17027	21.18	17299	23.36
15	BP-VPB-196-EB-20240718	12065	16.96	10285	21.18	10233	23.37
16	VPB196-HYD-20240718	13064	16.97	11044	21.17	9531	23.37

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 28 2024 12:00AM

Lab File ID: BN033036.D Time Analyzed: 02:52

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	13337	16.939	12542	21.158	14176	23.345
UPPER LIMIT	26674	17.439	25084	21.658	28352	23.845
LOWER LIMIT	6668.5	16.439	6271	20.658	7088	22.845
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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 28 2024 12:00AM

Lab File ID: BN033055.D Time Analyzed: 06:00

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	17782	16.945	14774	21.151	14954	23.344
UPPER LIMIT	35564	17.445	29548	21.651	29908	23.844
LOWER LIMIT	8891	16.445	7387	20.651	7477	22.844
EPA SAMPLE NO.						
01 PB162236BL	10377	17.03	9562	21.19	9511	23.38
02 PB162236BS	17027	16.95	14521	21.15	15008	23.35
03 PB162236BSD	16847	16.95	13780	21.15	13410	23.35
04 BP-VPB-196-GW-1000-1002	13273	16.95	12367	21.16	11769	23.35

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.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN072724

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB162161BS	n-Nitrosodimethylamine	0.4	0.31	ug/L	78				33	130	
	bis(2-Chloroethyl)ether	0.4	0.45	ug/L	113				55	118	
	Naphthalene	0.4	0.39	ug/L	98				67	120	
	Hexachlorobutadiene	0.4	0.41	ug/L	103				33	114	
	2-Methylnaphthalene	0.4	0.36	ug/L	90				50	122	
	Acenaphthylene	0.4	0.36	ug/L	90				60	119	
	Acenaphthene	0.4	0.37	ug/L	93				65	119	
	Total PAH	6.4	5.45	ug/L	85				65	119	
	Fluorene	0.4	0.37	ug/L	93				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.39	ug/L	98				20	150	
	4-Bromophenyl-phenylether	0.4	0.33	ug/L	83				20	150	
	Hexachlorobenzene	0.4	0.37	ug/L	93				62	127	
	Atrazine	0.4	0.36	ug/L	90				20	150	
	Pentachlorophenol	0.8	0.29	ug/L	36				10	137	
	Phenanthrene	0.4	0.35	ug/L	88				65	117	
	Anthracene	0.4	0.28	ug/L	70				57	118	
	Fluoranthene	0.4	0.36	ug/L	90				53	126	
	Pyrene	0.4	0.33	ug/L	83				54	124	
	Benzo(a)anthracene	0.4	0.3	ug/L	75				54	130	
	Chrysene	0.4	0.4	ug/L	100				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.56	ug/L	140		*		40	137	
	Benzo(b)fluoranthene	0.4	0.3	ug/L	75				65	121	
	Benzo(k)fluoranthene	0.4	0.34	ug/L	85				72	119	
	Benzo(a)pyrene	0.4	0.33	ug/L	83				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.32	ug/L	80				70	127	
	Dibenz(a,h)anthracene	0.4	0.32	ug/L	80				65	121	
	Benzo(g,h,i)perylene	0.4	0.33	ug/L	83				76	117	
	1,4-Dioxane	0.4	0.45	ug/L	113				60	132	
PB162161BSD	n-Nitrosodimethylamine	0.4	0.28	ug/L	70	10			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.41	ug/L	103	9			55	118	20
	Naphthalene	0.4	0.38	ug/L	95	3			67	120	20
	Hexachlorobutadiene	0.4	0.41	ug/L	103	0			33	114	20
	2-Methylnaphthalene	0.4	0.36	ug/L	90	0			50	122	20
	Acenaphthylene	0.4	0.36	ug/L	90	0			60	119	20
	Acenaphthene	0.4	0.37	ug/L	93	0			65	119	20
	Total PAH	6.4	5.43	ug/L	85	0			65	119	20
	Fluorene	0.4	0.37	ug/L	93	0			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.37	ug/L	93	5			20	150	20
	4-Bromophenyl-phenylether	0.4	0.33	ug/L	83	0			20	150	20
	Hexachlorobenzene	0.4	0.37	ug/L	93	0			62	127	20
	Atrazine	0.4	0.36	ug/L	90	0			20	150	20
	Pentachlorophenol	0.8	0.28	ug/L	35	4			10	137	20
	Phenanthrene	0.4	0.35	ug/L	88	0			65	117	20
	Anthracene	0.4	0.28	ug/L	70	0			57	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN072724

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB162161BSD	Fluoranthene	0.4	0.36	ug/L	90	0			53	126	20
	Pyrene	0.4	0.33	ug/L	83	0			54	124	20
	Benzo(a)anthracene	0.4	0.31	ug/L	78	3			54	130	20
	Chrysene	0.4	0.39	ug/L	98	3			64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.52	ug/L	130	7			40	137	20
	Benzo(b)fluoranthene	0.4	0.3	ug/L	75	0			65	121	20
	Benzo(k)fluoranthene	0.4	0.34	ug/L	85	0			72	119	20
	Benzo(a)pyrene	0.4	0.33	ug/L	83	0			68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.32	ug/L	80	0			70	127	20
	Dibenz(a,h)anthracene	0.4	0.32	ug/L	80	0			65	121	20
	Benzo(g,h,i)perylene	0.4	0.32	ug/L	80	3			76	117	20
	1,4-Dioxane	0.4	0.47	ug/L	117	4			60	132	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN072724

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB162236BS	n-Nitrosodimethylamine	0.4	0.41	ug/L	103				33	130	
	bis(2-Chloroethyl)ether	0.4	0.36	ug/L	90				55	118	
	Naphthalene	0.4	0.4	ug/L	100				67	120	
	Hexachlorobutadiene	0.4	0.39	ug/L	98				33	114	
	2-Methylnaphthalene	0.4	0.37	ug/L	93				50	122	
	Acenaphthylene	0.4	0.38	ug/L	95				60	119	
	Acenaphthene	0.4	0.4	ug/L	100				65	119	
	Total PAH	6.4	5.95	ug/L	93				65	119	
	Fluorene	0.4	0.4	ug/L	100				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.38	ug/L	95				20	150	
	4-Bromophenyl-phenylether	0.4	0.36	ug/L	90				20	150	
	Hexachlorobenzene	0.4	0.35	ug/L	88				62	127	
	Atrazine	0.4	0.37	ug/L	93				20	150	
	Pentachlorophenol	0.8	0.22	ug/L	28				10	137	
	Phenanthrene	0.4	0.37	ug/L	93				65	117	
	Anthracene	0.4	0.3	ug/L	75				57	118	
	Fluoranthene	0.4	0.38	ug/L	95				53	126	
	Pyrene	0.4	0.38	ug/L	95				54	124	
	Benzo(a)anthracene	0.4	0.33	ug/L	83				54	130	
	Chrysene	0.4	0.43	ug/L	108				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.52	ug/L	130				40	137	
	Benzo(b)fluoranthene	0.4	0.36	ug/L	90				65	121	
	Benzo(k)fluoranthene	0.4	0.39	ug/L	98				72	119	
	Benzo(a)pyrene	0.4	0.36	ug/L	90				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.35	ug/L	88				70	127	
	Dibenz(a,h)anthracene	0.4	0.35	ug/L	88				65	121	
	Benzo(g,h,i)perylene	0.4	0.37	ug/L	93				76	117	
	1,4-Dioxane	0.4	0.44	ug/L	110				60	132	
PB162236BSD	n-Nitrosodimethylamine	0.4	0.45	ug/L	113	9			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.36	ug/L	90	0			55	118	20
	Naphthalene	0.4	0.4	ug/L	100	0			67	120	20
	Hexachlorobutadiene	0.4	0.39	ug/L	98	0			33	114	20
	2-Methylnaphthalene	0.4	0.37	ug/L	93	0			50	122	20
	Acenaphthylene	0.4	0.38	ug/L	95	0			60	119	20
	Acenaphthene	0.4	0.4	ug/L	100	0			65	119	20
	Total PAH	6.4	6	ug/L	94	1			65	119	20
	Fluorene	0.4	0.39	ug/L	98	3			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.36	ug/L	90	5			20	150	20
	4-Bromophenyl-phenylether	0.4	0.37	ug/L	93	3			20	150	20
	Hexachlorobenzene	0.4	0.35	ug/L	88	0			62	127	20
	Atrazine	0.4	0.39	ug/L	98	5			20	150	20
	Pentachlorophenol	0.8	0.23	ug/L	29	4			10	137	20
	Phenanthrene	0.4	0.38	ug/L	95	3			65	117	20
	Anthracene	0.4	0.31	ug/L	78	3			57	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN072724

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB162236BSD	Fluoranthene	0.4	0.38	ug/L	95	0			53	126	20
	Pyrene	0.4	0.39	ug/L	98	3			54	124	20
	Benzo(a)anthracene	0.4	0.33	ug/L	83	0			54	130	20
	Chrysene	0.4	0.42	ug/L	105	2			64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.51	ug/L	128	2			40	137	20
	Benzo(b)fluoranthene	0.4	0.36	ug/L	90	0			65	121	20
	Benzo(k)fluoranthene	0.4	0.39	ug/L	98	0			72	119	20
	Benzo(a)pyrene	0.4	0.37	ug/L	93	3			68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.36	ug/L	90	3			70	127	20
	Dibenz(a,h)anthracene	0.4	0.36	ug/L	90	3			65	121	20
	Benzo(g,h,i)perylene	0.4	0.38	ug/L	95	3			76	117	20
	1,4-Dioxane	0.4	0.46	ug/L	115	4			60	132	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN072724

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB162294BS	n-Nitrosodimethylamine	0.4	0.37	ug/L	93				33	130	
	bis(2-Chloroethyl)ether	0.4	0.41	ug/L	103				55	118	
	Naphthalene	0.4	0.38	ug/L	95				67	120	
	Hexachlorobutadiene	0.4	0.41	ug/L	103				33	114	
	2-Methylnaphthalene	0.4	0.36	ug/L	90				50	122	
	Acenaphthylene	0.4	0.37	ug/L	93				60	119	
	Acenaphthene	0.4	0.38	ug/L	95				65	119	
	Total PAH	6.4	5.52	ug/L	86				65	119	
	Fluorene	0.4	0.37	ug/L	93				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.37	ug/L	93				20	150	
	4-Bromophenyl-phenylether	0.4	0.33	ug/L	83				20	150	
	Hexachlorobenzene	0.4	0.37	ug/L	93				62	127	
	Atrazine	0.4	0.36	ug/L	90				20	150	
	Pentachlorophenol	0.8	0.27	ug/L	34				10	137	
	Phenanthrene	0.4	0.35	ug/L	88				65	117	
	Anthracene	0.4	0.29	ug/L	73				57	118	
	Fluoranthene	0.4	0.37	ug/L	93				53	126	
	Pyrene	0.4	0.32	ug/L	80				54	124	
	Benzo(a)anthracene	0.4	0.31	ug/L	78				54	130	
	Chrysene	0.4	0.39	ug/L	98				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.47	ug/L	117				40	137	
	Benzo(b)fluoranthene	0.4	0.3	ug/L	75				65	121	
	Benzo(k)fluoranthene	0.4	0.34	ug/L	85				72	119	
	Benzo(a)pyrene	0.4	0.33	ug/L	83				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.34	ug/L	85				70	127	
	Dibenz(a,h)anthracene	0.4	0.34	ug/L	85				65	121	
	Benzo(g,h,i)perylene	0.4	0.34	ug/L	85				76	117	
	1,4-Dioxane	0.4	0.43	ug/L	108				60	132	
PB162294BSD	n-Nitrosodimethylamine	0.4	0.36	ug/L	90	3			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.38	ug/L	95	8			55	118	20
	Naphthalene	0.4	0.38	ug/L	95	0			67	120	20
	Hexachlorobutadiene	0.4	0.41	ug/L	103	0			33	114	20
	2-Methylnaphthalene	0.4	0.36	ug/L	90	0			50	122	20
	Acenaphthylene	0.4	0.36	ug/L	90	3			60	119	20
	Acenaphthene	0.4	0.37	ug/L	93	3			65	119	20
	Total PAH	6.4	5.48	ug/L	86	1			65	119	20
	Fluorene	0.4	0.37	ug/L	93	0			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.36	ug/L	90	3			20	150	20
	4-Bromophenyl-phenylether	0.4	0.33	ug/L	83	0			20	150	20
	Hexachlorobenzene	0.4	0.37	ug/L	93	0			62	127	20
	Atrazine	0.4	0.37	ug/L	93	3			20	150	20
	Pentachlorophenol	0.8	0.26	ug/L	33	4			10	137	20
	Phenanthrene	0.4	0.35	ug/L	88	0			65	117	20
	Anthracene	0.4	0.29	ug/L	73	0			57	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN072724

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB162294BSD	Fluoranthene	0.4	0.37	ug/L	93	0			53	126	20
	Pyrene	0.4	0.32	ug/L	80	0			54	124	20
	Benzo(a)anthracene	0.4	0.33	ug/L	83	6			54	130	20
	Chrysene	0.4	0.37	ug/L	93	5			64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.53	ug/L	133	12			40	137	20
	Benzo(b)fluoranthene	0.4	0.3	ug/L	75	0			65	121	20
	Benzo(k)fluoranthene	0.4	0.34	ug/L	85	0			72	119	20
	Benzo(a)pyrene	0.4	0.33	ug/L	83	0			68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.33	ug/L	83	3			70	127	20
	Dibenz(a,h)anthracene	0.4	0.33	ug/L	83	3			65	121	20
	Benzo(g,h,i)perylene	0.4	0.34	ug/L	85	0			76	117	20
	1,4-Dioxane	0.4	0.44	ug/L	110	2			60	132	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162161BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN072724

SAS No.: BN072724 SDG NO.: BN072724

Lab File ID: BN033050.D

Lab Sample ID: PB162161BL

Instrument ID: BNA_N

Date Extracted: 07/19/2024

Matrix: (soil/water) Water

Date Analyzed: 07/28/2024

Level: (low/med) LOW

Time Analyzed: 01:40

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SP-100-20240717	P3299-01	BN033043.D	07/27/2024
SP-201-20240717	P3299-02	BN033044.D	07/27/2024
BP-VPB-189-GW-923-925	P3307-04	BN033045.D	07/27/2024
VPB189-HYD-20240717	P3307-02	BN033046.D	07/27/2024
SP-303-20240717	P3299-03	BN033047.D	07/27/2024
PB162161BS	PB162161BS	BN033048.D	07/28/2024
PB162161BSD	PB162161BSD	BN033049.D	07/28/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162236BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN072724

SAS No.: BN072724 SDG NO.: BN072724

Lab File ID: BN033056.D

Lab Sample ID: PB162236BL

Instrument ID: BNA_N

Date Extracted: 07/23/2024

Matrix: (soil/water) Water

Date Analyzed: 07/28/2024

Level: (low/med) LOW

Time Analyzed: 06:00

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162236BS	PB162236BS	BN033057.D	07/28/2024
PB162236BSD	PB162236BSD	BN033058.D	07/28/2024
BP-VPB-196-GW-1000-1002	P3338-04	BN033059.D	07/28/2024
BP-VPB-196-EB-20240718	P3338-02	BN033051.D	07/28/2024
VPB196-HYD-20240718	P3338-03	BN033052.D	07/28/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162294BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN072724

SAS No.: BN072724 SDG NO.: BN072724

Lab File ID: BN033037.D

Lab Sample ID: PB162294BL

Instrument ID: BNA_N

Date Extracted: 07/26/2024

Matrix: (soil/water) Water

Date Analyzed: 07/27/2024

Level: (low/med) LOW

Time Analyzed: 17:50

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162294BS	PB162294BS	BN033038.D	07/27/2024
PB162294BSD	PB162294BSD	BN033039.D	07/27/2024
GWBR-05-282-302-072524	P3375-01	BN033040.D	07/27/2024
GWBR-05-258-278-072524	P3375-02	BN033041.D	07/27/2024
EB-01-072524	P3375-04	BN033042.D	07/27/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: **BN072724**

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3299-01	SP-100-20240717	BN033043.D	2-Methylnaphthalene-d10	0.4	0.30	76		30	150
			Fluoranthene-d10	0.4	0.42	105		30	150
			2-Fluorophenol	0.4	0.16	39		10	92
			Phenol-d6	0.4	0.15	37		10	100
			Nitrobenzene-d5	0.4	0.31	76		11	175
			2-Fluorobiphenyl	0.4	0.27	67		10	175
			2,4,6-Tribromophenol	0.4	0.25	63		24	148
			Terphenyl-d14	0.4	0.47	117		54	171
P3299-02	SP-201-20240717	BN033044.D	2-Methylnaphthalene-d10	0.4	0.26	65		30	150
			Fluoranthene-d10	0.4	0.35	87		30	150
			2-Fluorophenol	0.4	0.19	47		10	92
			Phenol-d6	0.4	0.14	36		10	100
			Nitrobenzene-d5	0.4	0.24	60		11	175
			2-Fluorobiphenyl	0.4	0.23	56		10	175
			2,4,6-Tribromophenol	0.4	0.19	47		24	148
			Terphenyl-d14	0.4	0.42	104		54	171
P3299-03	SP-303-20240717	BN033047.D	2-Methylnaphthalene-d10	0.4	0.31	76		30	150
			Fluoranthene-d10	0.4	0.39	98		30	150
			2-Fluorophenol	0.4	0.27	68		10	92
			Phenol-d6	0.4	0.17	43		10	100
			Nitrobenzene-d5	0.4	0.31	79		11	175
			2-Fluorobiphenyl	0.4	0.26	64		10	175
			2,4,6-Tribromophenol	0.4	0.28	69		24	148
			Terphenyl-d14	0.4	0.45	112		54	171
P3307-02	VPB189-HYD-2024	BN033046.D	2-Methylnaphthalene-d10	0.4	0.01	3	*	30	150
			Fluoranthene-d10	0.4	0.15	38		30	150
			2-Fluorophenol	0.4	0.01	3	*	10	92
			Phenol-d6	0.4	0.01	1	*	10	100
			Nitrobenzene-d5	0.4	0.24	60		11	175
			2-Fluorobiphenyl	0.4	0.18	44		10	175
			2,4,6-Tribromophenol	0.4	0.02	4	*	24	148
			Terphenyl-d14	0.4	0.25	63		54	171
P3307-04	BP-VPB-189-GW-5	BN033045.D	2-Methylnaphthalene-d10	0.4	0.45	113		30	150
			Fluoranthene-d10	0.4	0.33	81		30	150
			2-Fluorophenol	0.4	0.16	41		10	92
			Phenol-d6	0.4	0.14	36		10	100
			Nitrobenzene-d5	0.4	0.31	78		11	175
			2-Fluorobiphenyl	0.4	0.26	64		10	175
			2,4,6-Tribromophenol	0.4	0.12	31		24	148
			Terphenyl-d14	0.4	0.35	87		54	171
PB162161BL	PB162161BL	BN033050.D	2-Methylnaphthalene-d10	0.4	0.32	80		30	150
			Fluoranthene-d10	0.4	0.36	90		30	150
			2-Fluorophenol	0.4	0.34	84		10	92
			Phenol-d6	0.4	0.44	109	*	10	100
			Nitrobenzene-d5	0.4	0.31	78		11	175
			2-Fluorobiphenyl	0.4	0.29	72		10	175
			2,4,6-Tribromophenol	0.4	0.15	37		24	148
			Terphenyl-d14	0.4	0.39	98		54	171
PB162161BS	PB162161BS	BN033048.D	2-Methylnaphthalene-d10	0.4	0.40	100		30	150

Surrogate Summary

SW-846

SDG No.: BN072724

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162161BS	PB162161BS	BN033048.D	Fluoranthene-d10	0.4	0.39	97		30	150
			2-Fluorophenol	0.4	0.45	111	*	10	92
			Phenol-d6	0.4	0.54	134	*	10	100
			Nitrobenzene-d5	0.4	0.39	97		11	175
			2-Fluorobiphenyl	0.4	0.34	85		10	175
			2,4,6-Tribromophenol	0.4	0.35	86		24	148
			Terphenyl-d14	0.4	0.37	92		54	171
PB162161BSD	PB162161BSD	BN033049.D	2-Methylnaphthalene-d10	0.4	0.40	101		30	150
			Fluoranthene-d10	0.4	0.39	96		30	150
			2-Fluorophenol	0.4	0.45	112	*	10	92
			Phenol-d6	0.4	0.55	137	*	10	100
			Nitrobenzene-d5	0.4	0.39	97		11	175
			2-Fluorobiphenyl	0.4	0.31	78		10	175
			2,4,6-Tribromophenol	0.4	0.33	83		24	148
			Terphenyl-d14	0.4	0.37	93		54	171

Surrogate Summary

SW-846

SDG No.: BN072724

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3338-02	BP-VPB-196-EB-2(BN033051.D		2-Methylnaphthalene-d10	0.4	0.30	75		30	150
			Fluoranthene-d10	0.4	0.42	105		30	150
			2-Fluorophenol	0.4	0.29	72		10	92
			Phenol-d6	0.4	0.19	47		10	100
			Nitrobenzene-d5	0.4	0.41	103		11	175
			2-Fluorobiphenyl	0.4	0.34	86		10	175
			2,4,6-Tribromophenol	0.4	0.35	86		24	148
			Terphenyl-d14	0.4	0.49	123		54	171
P3338-03	VPB196-HYD-202(BN033052.D		2-Methylnaphthalene-d10	0.4	0.00	0	*	30	150
			Fluoranthene-d10	0.4	0.23	56		30	150
			2-Fluorophenol	0.4	0.06	15		10	92
			Phenol-d6	0.4	0.01	2	*	10	100
			Nitrobenzene-d5	0.4	0.42	104		11	175
			2-Fluorobiphenyl	0.4	0.34	85		10	175
			2,4,6-Tribromophenol	0.4	0.25	62		24	148
			Terphenyl-d14	0.4	0.49	121		54	171
P3338-04	BP-VPB-196-GW-1(BN033059.D		2-Methylnaphthalene-d10	0.4	0.28	70		30	150
			Fluoranthene-d10	0.4	0.39	96		30	150
			2-Fluorophenol	0.4	0.19	47		10	92
			Phenol-d6	0.4	0.14	34		10	100
			Nitrobenzene-d5	0.4	0.31	77		11	175
			2-Fluorobiphenyl	0.4	0.30	74		10	175
			2,4,6-Tribromophenol	0.4	0.27	67		24	148
			Terphenyl-d14	0.4	0.41	103		54	171
PB162236BL	PB162236BL	BN033056.D	2-Methylnaphthalene-d10	0.4	0.35	88		30	150
			Fluoranthene-d10	0.4	0.43	107		30	150
			2-Fluorophenol	0.4	0.41	103	*	10	92
			Phenol-d6	0.4	0.41	102	*	10	100
			Nitrobenzene-d5	0.4	0.41	103		11	175
			2-Fluorobiphenyl	0.4	0.35	88		10	175
			2,4,6-Tribromophenol	0.4	0.21	52		24	148
			Terphenyl-d14	0.4	0.43	108		54	171
PB162236BS	PB162236BS	BN033057.D	2-Methylnaphthalene-d10	0.4	0.39	98		30	150
			Fluoranthene-d10	0.4	0.38	95		30	150
			2-Fluorophenol	0.4	0.46	115	*	10	92
			Phenol-d6	0.4	0.52	129	*	10	100
			Nitrobenzene-d5	0.4	0.42	106		11	175
			2-Fluorobiphenyl	0.4	0.37	93		10	175
			2,4,6-Tribromophenol	0.4	0.31	77		24	148
			Terphenyl-d14	0.4	0.36	91		54	171
PB162236BSD	PB162236BSD	BN033058.D	2-Methylnaphthalene-d10	0.4	0.39	96		30	150
			Fluoranthene-d10	0.4	0.38	96		30	150
			2-Fluorophenol	0.4	0.46	115	*	10	92
			Phenol-d6	0.4	0.52	130	*	10	100
			Nitrobenzene-d5	0.4	0.45	112		11	175
			2-Fluorobiphenyl	0.4	0.32	80		10	175
			2,4,6-Tribromophenol	0.4	0.31	77		24	148
			Terphenyl-d14	0.4	0.38	94		54	171

Surrogate Summary

SW-846

SDG No.: BN072724

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3375-01	GWBR-05-282-302	BN033040.D	2-Methylnaphthalene-d10	0.4	0.31	78		30	150
			Fluoranthene-d10	0.4	0.42	104		30	150
			2-Fluorophenol	0.4	0.19	47		10	92
			Phenol-d6	0.4	0.12	30		10	100
			Nitrobenzene-d5	0.4	0.24	60		11	175
			2-Fluorobiphenyl	0.4	0.27	68		10	175
			2,4,6-Tribromophenol	0.4	0.28	69		24	148
			Terphenyl-d14	0.4	0.48	119		54	171
P3375-02	GWBR-05-258-278	BN033041.D	2-Methylnaphthalene-d10	0.4	0.30	74		30	150
			Fluoranthene-d10	0.4	0.41	102		30	150
			2-Fluorophenol	0.4	0.19	47		10	92
			Phenol-d6	0.4	0.09	23		10	100
			Nitrobenzene-d5	0.4	0.26	64		11	175
			2-Fluorobiphenyl	0.4	0.25	63		10	175
			2,4,6-Tribromophenol	0.4	0.24	60		24	148
			Terphenyl-d14	0.4	0.46	115		54	171
P3375-04	EB-01-072524	BN033042.D	2-Methylnaphthalene-d10	0.4	0.33	82		30	150
			Fluoranthene-d10	0.4	0.43	106		30	150
			2-Fluorophenol	0.4	0.22	54		10	92
			Phenol-d6	0.4	0.15	36		10	100
			Nitrobenzene-d5	0.4	0.36	91		11	175
			2-Fluorobiphenyl	0.4	0.29	73		10	175
			2,4,6-Tribromophenol	0.4	0.30	75		24	148
			Terphenyl-d14	0.4	0.49	123		54	171
PB162294BL	PB162294BL	BN033037.D	2-Methylnaphthalene-d10	0.4	0.34	86		30	150
			Fluoranthene-d10	0.4	0.40	100		30	150
			2-Fluorophenol	0.4	0.40	101	*	10	92
			Phenol-d6	0.4	0.41	102	*	10	100
			Nitrobenzene-d5	0.4	0.31	77		11	175
			2-Fluorobiphenyl	0.4	0.32	79		10	175
			2,4,6-Tribromophenol	0.4	0.19	48		24	148
			Terphenyl-d14	0.4	0.43	108		54	171
PB162294BS	PB162294BS	BN033038.D	2-Methylnaphthalene-d10	0.4	0.40	100		30	150
			Fluoranthene-d10	0.4	0.39	98		30	150
			2-Fluorophenol	0.4	0.45	112	*	10	92
			Phenol-d6	0.4	0.55	137	*	10	100
			Nitrobenzene-d5	0.4	0.40	101		11	175
			2-Fluorobiphenyl	0.4	0.35	87		10	175
			2,4,6-Tribromophenol	0.4	0.34	85		24	148
			Terphenyl-d14	0.4	0.36	89		54	171
PB162294BSD	PB162294BSD	BN033039.D	2-Methylnaphthalene-d10	0.4	0.40	101		30	150
			Fluoranthene-d10	0.4	0.40	100		30	150
			2-Fluorophenol	0.4	0.46	116	*	10	92
			Phenol-d6	0.4	0.49	122	*	10	100
			Nitrobenzene-d5	0.4	0.32	79		11	175
			2-Fluorobiphenyl	0.4	0.34	86		10	175
			2,4,6-Tribromophenol	0.4	0.34	84		24	148
			Terphenyl-d14	0.4	0.37	91		54	171

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN072724

Lab Code: CHEM

SAS No.: BN072724 SDG NO.: BN072724

Lab File ID: BN033035.D

DFTPP Injection Date: 07/27/2024

Instrument ID: BNA_N

DFTPP Injection Time: 15:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.6
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 60.0% of mass 198	27.9
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	10.9
442	Greater than 50% of mass 198	68.4
443	15.0 - 24.0% of mass 442	13.6 (19.8) 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	BN033036.D	07/27/2024	17:14
PB162294BL	PB162294BL	BN033037.D	07/27/2024	17:50
PB162294BS	PB162294BS	BN033038.D	07/27/2024	18:26
PB162294BSD	PB162294BSD	BN033039.D	07/27/2024	19:03
GWBR-05-282-302-072524	P3375-01	BN033040.D	07/27/2024	19:39
GWBR-05-258-278-072524	P3375-02	BN033041.D	07/27/2024	20:15
EB-01-072524	P3375-04	BN033042.D	07/27/2024	20:51
SP-100-20240717	P3299-01	BN033043.D	07/27/2024	21:27
SP-201-20240717	P3299-02	BN033044.D	07/27/2024	22:03
BP-VPB-189-GW-923-925	P3307-04	BN033045.D	07/27/2024	22:40
VPB189-HYD-20240717	P3307-02	BN033046.D	07/27/2024	23:16
SP-303-20240717	P3299-03	BN033047.D	07/27/2024	23:52
PB162161BS	PB162161BS	BN033048.D	07/28/2024	00:28
PB162161BSD	PB162161BSD	BN033049.D	07/28/2024	01:04
PB162161BL	PB162161BL	BN033050.D	07/28/2024	01:40
BP-VPB-196-EB-20240718	P3338-02	BN033051.D	07/28/2024	02:16
VPB196-HYD-20240718	P3338-03	BN033052.D	07/28/2024	02:52
SSTDCCC0.4EC	SSTDCCC0.4	BN033053.D	07/28/2024	03:28

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN072724

Lab Code: CHEM

SAS No.: BN072724 SDG NO.: BN072724

Lab File ID: BN033054.D

DFTPP Injection Date: 07/28/2024

Instrument ID: BNA_N

DFTPP Injection Time: 04:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.4
68	Less than 2.0% of mass 69	0.8 (1.8) 1
69	Mass 69 relative abundance	43.7
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	53.2
197	Less than 2.0% of mass 198	0.3
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	26.2
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	8.4
442	Greater than 50% of mass 198	54.4
443	15.0 - 24.0% of mass 442	11.1 (20.4) 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	BN033055.D	07/28/2024	05:24
PB162236BL	PB162236BL	BN033056.D	07/28/2024	06:00
PB162236BS	PB162236BS	BN033057.D	07/28/2024	06:36
PB162236BSD	PB162236BSD	BN033058.D	07/28/2024	07:12
BP-VPB-196-GW-1000-1002	P3338-04	BN033059.D	07/28/2024	07:48
SSTDCCC0.4EC	SSTDCCC0.4	BN033060.D	07/28/2024	08:24