

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

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

Instrument ID: BNA_N Calibration Date/Time: 6/10/2024 1:20:15

Lab File ID: BN031886.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.637	0.552		-13.344	50.0
Fluoranthene-d10	1.089	0.906		-16.804	50.0
n-Nitrosodimethylamine	0.465	0.394		-15.269	50.0
2-Fluorophenol	1.137	0.948		-16.623	50.0
Phenol-d6	1.491	1.245		-16.499	50.0
bis(2-Chloroethyl) ether	1.284	1.121		-12.695	50.0
Nitrobenzene-d5	0.332	0.279		-15.964	50.0
Naphthalene	1.077	0.938		-12.906	50.0
Hexachlorobutadiene	0.188	0.165		-12.234	50.0
2-Methylnaphthalene	0.736	0.644		-12.5	50.0
2-Fluorobiphenyl	1.517	1.324		-12.722	50.0
Acenaphthylene	1.844	1.506		-18.33	50.0
Acenaphthene	1.187	1.022		-13.901	50.0
Fluorene	1.586	1.352		-14.754	50.0
4,6-Dinitro-2-methylphenol	0.069	0.043		-37.681	50.0
2,4,6-Tribromophenol	0.192	0.145		-24.479	50.0
4-Bromophenyl-phenylether	0.227	0.189		-16.74	50.0
Hexachlorobenzene	0.235	0.203		-13.617	50.0
Atrazine	0.208	0.157		-24.519	50.0
Pentachlorophenol	0.117	0.076		-35.043	50.0
Phenanthrene	1.110	0.951		-14.324	50.0
Anthracene	1.030	0.830		-19.417	50.0
Fluoranthene	1.346	1.127		-16.27	50.0
Pyrene	1.589	1.317		-17.118	50.0
Terphenyl-d14	0.978	0.800		-18.2	50.0
Benzo(a)anthracene	1.507	1.213		-19.509	50.0
Chrysene	1.424	1.198		-15.871	50.0
Bis(2-ethylhexyl)phthalate	1.029	0.778		-24.393	50.0
Benzo(b)fluoranthene	1.458	1.250		-14.266	50.0
Benzo(k)fluoranthene	1.378	1.173		-14.877	50.0
Benzo(a)pyrene	1.258	1.067		-15.183	50.0
Indeno(1,2,3-cd)pyrene	1.492	1.224		-17.962	50.0
Dibenzo(a,h)anthracene	1.176	0.967		-17.772	50.0
Benzo(g,h,i)perylene	1.263	1.021		-19.161	50.0
1,4-Dioxane	0.490	0.409		-16.531	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.: BN061024 SAS No.: BN061024 SDG No.: BN061024

Instrument ID: BNA_N Calibration Date/Time: 6/10/2024 1:22:10

Lab File ID: BN031888.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.637	0.551		-13.501	20.0
Fluoranthene-d10	1.089	0.901		-17.264	20.0
n-Nitrosodimethylamine	0.465	0.415		-10.753	20.0
2-Fluorophenol	1.137	0.932		-18.03	20.0
Phenol-d6	1.491	1.198		-19.651	20.0
bis(2-Chloroethyl) ether	1.284	1.118		-12.928	20.0
Nitrobenzene-d5	0.332	0.272		-18.072	20.0
Naphthalene	1.077	0.947		-12.071	20.0
Hexachlorobutadiene	0.188	0.165		-12.234	20.0
2-Methylnaphthalene	0.736	0.644		-12.5	20.0
2-Fluorobiphenyl	1.517	1.339		-11.734	20.0
Acenaphthylene	1.844	1.507		-18.275	20.0
Acenaphthene	1.187	1.021		-13.985	20.0
Fluorene	1.586	1.376		-13.241	20.0
4,6-Dinitro-2-methylphenol	0.069	0.041		-40.58	20.0
2,4,6-Tribromophenol	0.192	0.138		-28.125	20.0
4-Bromophenyl-phenylether	0.227	0.191		-15.859	20.0
Hexachlorobenzene	0.235	0.205		-12.766	20.0
Atrazine	0.208	0.154		-25.962	20.0
Pentachlorophenol	0.117	0.076		-35.043	20.0
Phenanthrene	1.110	0.949		-14.505	20.0
Anthracene	1.030	0.832		-19.223	20.0
Fluoranthene	1.346	1.132		-15.899	20.0
Pyrene	1.589	1.303		-17.999	20.0
Terphenyl-d14	0.978	0.792		-19.018	20.0
Benzo(a)anthracene	1.507	1.211		-19.642	20.0
Chrysene	1.424	1.201		-15.66	20.0
Bis(2-ethylhexyl)phthalate	1.029	0.742		-27.891	20.0
Benzo(b)fluoranthene	1.458	1.242		-14.815	20.0
Benzo(k)fluoranthene	1.378	1.181		-14.296	20.0
Benzo(a)pyrene	1.258	1.072		-14.785	20.0
Indeno(1,2,3-cd)pyrene	1.492	1.272		-14.745	20.0
Dibenzo(a,h)anthracene	1.176	1.001		-14.881	20.0
Benzo(g,h,i)perylene	1.263	1.069		-15.36	20.0
1,4-Dioxane	0.490	0.416		-15.102	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.: BN061024 SAS No.: BN061024 SDG No.: BN061024

Instrument ID: BNA_N Calibration Date/Time: 6/11/2024 1:07:11

Lab File ID: BN031903.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.637	0.546		-14.286	50.0
Fluoranthene-d10	1.089	0.897		-17.631	50.0
n-Nitrosodimethylamine	0.465	0.405		-12.903	50.0
2-Fluorophenol	1.137	0.923		-18.821	50.0
Phenol-d6	1.491	1.215		-18.511	50.0
bis(2-Chloroethyl) ether	1.284	1.121		-12.695	50.0
Nitrobenzene-d5	0.332	0.273		-17.771	50.0
Naphthalene	1.077	0.937		-12.999	50.0
Hexachlorobutadiene	0.188	0.163		-13.298	50.0
2-Methylnaphthalene	0.736	0.640		-13.043	50.0
2-Fluorobiphenyl	1.517	1.330		-12.327	50.0
Acenaphthylene	1.844	1.480		-19.74	50.0
Acenaphthene	1.187	1.022		-13.901	50.0
Fluorene	1.586	1.365		-13.934	50.0
4,6-Dinitro-2-methylphenol	0.069	0.042		-39.13	50.0
2,4,6-Tribromophenol	0.192	0.134		-30.208	50.0
4-Bromophenyl-phenylether	0.227	0.187		-17.621	50.0
Hexachlorobenzene	0.235	0.199		-15.319	50.0
Atrazine	0.208	0.144		-30.769	50.0
Pentachlorophenol	0.117	0.070		-40.171	50.0
Phenanthrene	1.110	0.946		-14.775	50.0
Anthracene	1.030	0.825		-19.903	50.0
Fluoranthene	1.346	1.124		-16.493	50.0
Pyrene	1.589	1.318		-17.055	50.0
Terphenyl-d14	0.978	0.793		-18.916	50.0
Benzo(a)anthracene	1.507	1.185		-21.367	50.0
Chrysene	1.424	1.168		-17.978	50.0
Bis(2-ethylhexyl)phthalate	1.029	0.641		-37.707	50.0
Benzo(b)fluoranthene	1.458	1.275		-12.551	50.0
Benzo(k)fluoranthene	1.378	1.192		-13.498	50.0
Benzo(a)pyrene	1.258	1.084		-13.831	50.0
Indeno(1,2,3-cd)pyrene	1.492	1.235		-17.225	50.0
Dibenzo(a,h)anthracene	1.176	0.977		-16.922	50.0
Benzo(g,h,i)perylene	1.263	1.058		-16.231	50.0
1,4-Dioxane	0.490	0.418		-14.694	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.: BN061024 SAS No.: BN061024 SDG No.: BN061024

Instrument ID: BNA_N Calibration Date/Time: 6/10/2024 1:12:34

Lab File ID: BN031874.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.637	0.555		-12.873	20.0
Fluoranthene-d10	1.089	0.932		-14.417	20.0
n-Nitrosodimethylamine	0.465	0.400		-13.978	20.0
2-Fluorophenol	1.137	0.999		-12.137	20.0
Phenol-d6	1.491	1.289		-13.548	20.0
bis(2-Chloroethyl) ether	1.284	1.115		-13.162	20.0
Nitrobenzene-d5	0.332	0.287		-13.554	20.0
Naphthalene	1.077	0.941		-12.628	20.0
Hexachlorobutadiene	0.188	0.165		-12.234	20.0
2-Methylnaphthalene	0.736	0.644		-12.5	20.0
2-Fluorobiphenyl	1.517	1.307		-13.843	20.0
Acenaphthylene	1.844	1.539		-16.54	20.0
Acenaphthene	1.187	1.019		-14.153	20.0
Fluorene	1.586	1.366		-13.871	20.0
4,6-Dinitro-2-methylphenol	0.069	0.043		-37.681	20.0
2,4,6-Tribromophenol	0.192	0.155		-19.271	20.0
4-Bromophenyl-phenylether	0.227	0.192		-15.419	20.0
Hexachlorobenzene	0.235	0.202		-14.043	20.0
Atrazine	0.208	0.175		-15.865	20.0
Pentachlorophenol	0.117	0.082		-29.915	20.0
Phenanthrene	1.110	0.944		-14.955	20.0
Anthracene	1.030	0.855		-16.99	20.0
Fluoranthene	1.346	1.147		-14.785	20.0
Pyrene	1.589	1.328		-16.425	20.0
Terphenyl-d14	0.978	0.811		-17.076	20.0
Benzo(a)anthracene	1.507	1.245		-17.386	20.0
Chrysene	1.424	1.200		-15.73	20.0
Bis(2-ethylhexyl)phthalate	1.029	0.861		-16.327	20.0
Benzo(b)fluoranthene	1.458	1.232		-15.501	20.0
Benzo(k)fluoranthene	1.378	1.154		-16.255	20.0
Benzo(a)pyrene	1.258	1.043		-17.091	20.0
Indeno(1,2,3-cd)pyrene	1.492	1.196		-19.839	20.0
Dibenzo(a,h)anthracene	1.176	0.940		-20.068	20.0
Benzo(g,h,i)perylene	1.263	1.007		-20.269	20.0
1,4-Dioxane	0.490	0.426		-13.061	20.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBN061024	SDG No.:	BN061024
Lab Sample ID:	SSTDICV0.4	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN031879.D	1		6/10/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	370		30	200	200	ug/L
111-44-4	bis(2-Chloroethyl)ether	350		28	100	100	ug/L
91-20-3	Naphthalene	350		24	100	100	ug/L
87-68-3	Hexachlorobutadiene	350		26	100	100	ug/L
91-57-6	2-Methylnaphthalene	350		30	100	100	ug/L
208-96-8	Acenaphthylene	330		21	100	100	ug/L
83-32-9	Acenaphthene	340		20	100	100	ug/L
Total PAH	Total PAH	5390		456	100	1600	ug/L
86-73-7	Fluorene	340		18	100	100	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	380		140	200	200	ug/L
101-55-3	4-Bromophenyl-phenylether	340		26	100	100	ug/L
118-74-1	Hexachlorobenzene	340		29	100	100	ug/L
1912-24-9	Atrazine	310		23	100	100	ug/L
87-86-5	Pentachlorophenol	390		90	200	200	ug/L
85-01-8	Phenanthrene	340		20	100	100	ug/L
120-12-7	Anthracene	330		24	100	100	ug/L
206-44-0	Fluoranthene	340		23	100	100	ug/L
129-00-0	Pyrene	320		22	100	100	ug/L
56-55-3	Benzo(a)anthracene	320		22	100	100	ug/L
218-01-9	Chrysene	330		26	100	100	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	320		140	200	200	ug/L
205-99-2	Benzo(b)fluoranthene	330		32	100	100	ug/L
207-08-9	Benzo(k)fluoranthene	330		34	100	100	ug/L
50-32-8	Benzo(a)pyrene	330		56	100	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	350		38	100	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	350		39	100	100	ug/L
191-24-2	Benzo(g,h,i)perylene	360		37	100	100	ug/L
123-91-1	1,4-Dioxane	350		68	200	200	ug/L

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBN061024	SDG No.:	BN061024
Lab Sample ID:	SSTDICV0.4	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN031879.D	1		6/10/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	346	*	30-150		86500	SPK: -0.4
93951-69-0	Fluoranthene-d10	337	*	30-150		84250	SPK: -0.4
367-12-4	2-Fluorophenol	350	*	10-92		87500	SPK: -0.4
13127-88-3	Phenol-d6	343	*	10-100		85750	SPK: -0.4
4165-60-0	Nitrobenzene-d5	341	*	11-175		85250	SPK: -0.4
321-60-8	2-Fluorobiphenyl	347	*	10-175		86750	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	305	*	24-148		76250	SPK: -0.4
1718-51-0	Terphenyl-d14	317	*	54-171		79250	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	11424		7.668			
1146-65-2	Naphthalene-d8	37516		10.453			
15067-26-2	Acenaphthene-d10	23549		14.306			
1517-22-2	Phenanthrene-d10	54192		17.066			
1719-03-5	Chrysene-d12	50575		21.265			
1520-96-3	Perylene-d12	54922		23.505			

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161392BL	SDG No.:	BN061024
Lab Sample ID:	PB161392BL	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
BN031880.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161392

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:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161392BL	SDG No.:	BN061024
Lab Sample ID:	PB161392BL	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
BN031880.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161392

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	0.316		30-150		79	SPK: -0.4
367-12-4	2-Fluorophenol	0.418	*	10-92		104	SPK: -0.4
13127-88-3	Phenol-d6	0.403	*	10-100		101	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.329		11-175		82	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.346		10-175		86	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.242		24-148		60	SPK: -0.4
1718-51-0	Terphenyl-d14	0.327		54-171		82	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	14520	7.668				
1146-65-2	Naphthalene-d8	45511	10.453				
15067-26-2	Acenaphthene-d10	26031	14.306				
1517-22-2	Phenanthrene-d10	61300	17.066				
1719-03-5	Chrysene-d12	54374	21.265				
1520-96-3	Perylene-d12	60861	23.502				

Report of Analysis

Client:		Date Collected:	6/3/2024 12:00:00 AM
Project:		Date Received:	6/3/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-60-62	SDG No.:	BN061024
Lab Sample ID:	P2771-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	590 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
BN031881.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.05	U	0.05	0.34	0.34	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.05	U	0.05	0.17	0.17	ug/L
91-20-3	Naphthalene	0.04	U	0.04	0.17	0.17	ug/L
87-68-3	Hexachlorobutadiene	0.04	U	0.04	0.17	0.17	ug/L
91-57-6	2-Methylnaphthalene	0.05	U	0.05	0.17	0.17	ug/L
208-96-8	Acenaphthylene	0.04	U	0.04	0.17	0.17	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.17	0.17	ug/L
Total PAH	Total PAH	0.76	U	0.76	0.17	2.72	ug/L
86-73-7	Fluorene	0.03	U	0.03	0.17	0.17	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.24	U	0.24	0.34	0.34	ug/L
101-55-3	4-Bromophenyl-phenylether	0.04	U	0.04	0.17	0.17	ug/L
118-74-1	Hexachlorobenzene	0.05	U	0.05	0.17	0.17	ug/L
1912-24-9	Atrazine	0.04	U	0.04	0.17	0.17	ug/L
87-86-5	Pentachlorophenol	0.15	U	0.15	0.34	0.34	ug/L
85-01-8	Phenanthrene	0.03	U	0.03	0.17	0.17	ug/L
120-12-7	Anthracene	0.04	U	0.04	0.17	0.17	ug/L
206-44-0	Fluoranthene	0.04	U	0.04	0.17	0.17	ug/L
129-00-0	Pyrene	0.04	U	0.04	0.17	0.17	ug/L
56-55-3	Benzo(a)anthracene	0.04	U	0.04	0.17	0.17	ug/L
218-01-9	Chrysene	0.04	U	0.04	0.17	0.17	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.24	U	0.24	0.34	0.34	ug/L
205-99-2	Benzo(b)fluoranthene	0.05	U	0.05	0.17	0.17	ug/L
207-08-9	Benzo(k)fluoranthene	0.06	U	0.06	0.17	0.17	ug/L
50-32-8	Benzo(a)pyrene	0.09	U	0.09	0.17	0.17	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.06	U	0.06	0.17	0.17	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.07	U	0.07	0.17	0.17	ug/L
191-24-2	Benzo(g,h,i)perylene	0.06	U	0.06	0.17	0.17	ug/L
123-91-1	1,4-Dioxane	0.12	U	0.12	0.34	0.34	ug/L

Report of Analysis

Client:		Date Collected:	6/3/2024 12:00:00 AM
Project:		Date Received:	6/3/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-60-62	SDG No.:	BN061024
Lab Sample ID:	P2771-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	590 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
BN031881.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.307		30-150		77	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.39		30-150		97	SPK: -0.4
367-12-4	2-Fluorophenol	0.186		10-92		47	SPK: -0.4
13127-88-3	Phenol-d6	0.127		10-100		32	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.312		11-175		78	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.319		10-175		80	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.344		24-148		86	SPK: -0.4
1718-51-0	Terphenyl-d14	0.425		54-171		106	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7465	7.668				
1146-65-2	Naphthalene-d8	23793	10.453				
15067-26-2	Acenaphthene-d10	15458	14.306				
1517-22-2	Phenanthrene-d10	34952	17.053				
1719-03-5	Chrysene-d12	31928	21.256				
1520-96-3	Perylene-d12	36363	23.496				

Report of Analysis

Client:		Date Collected:	6/3/2024 12:00:00 AM
Project:		Date Received:	6/3/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-100-102	SDG No.:	BN061024
Lab Sample ID:	P2771-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	800 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN031882.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161392

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

Report of Analysis

Client:		Date Collected:	6/3/2024 12:00:00 AM
Project:		Date Received:	6/3/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-100-102	SDG No.:	BN061024
Lab Sample ID:	P2771-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	800 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN031882.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.726	*	30-150		182	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.682	*	30-150		170	SPK: -0.4
367-12-4	2-Fluorophenol	0.386	*	10-92		97	SPK: -0.4
13127-88-3	Phenol-d6	0.249		10-100		62	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.756	*	11-175		189	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.793	*	10-175		198	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.667	*	24-148		167	SPK: -0.4
1718-51-0	Terphenyl-d14	0.952	*	54-171		238	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	11265		7.668			
1146-65-2	Naphthalene-d8	34629		10.453			
15067-26-2	Acenaphthene-d10	21081		14.306			
1517-22-2	Phenanthrene-d10	45920		17.066			
1719-03-5	Chrysene-d12	30711		21.256			
1520-96-3	Perylene-d12	27116		23.496			

Report of Analysis

Client:		Date Collected:	6/4/2024 12:00:00 AM
Project:		Date Received:	6/4/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-160-162	SDG No.:	BN061024
Lab Sample ID:	P2771-04	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	860 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN031883.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161392

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

Report of Analysis

Client:		Date Collected:	6/4/2024 12:00:00 AM
Project:		Date Received:	6/4/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-160-162	SDG No.:	BN061024
Lab Sample ID:	P2771-04	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	860 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN031883.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.356		30-150		89	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.358		30-150		90	SPK: -0.4
367-12-4	2-Fluorophenol	0.179		10-92		45	SPK: -0.4
13127-88-3	Phenol-d6	0.111		10-100		28	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.369		11-175		92	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.396		10-175		99	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.305		24-148		76	SPK: -0.4
1718-51-0	Terphenyl-d14	0.487		54-171		122	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9976	7.668				
1146-65-2	Naphthalene-d8	30834	10.453				
15067-26-2	Acenaphthene-d10	18519	14.306				
1517-22-2	Phenanthrene-d10	38934	17.053				
1719-03-5	Chrysene-d12	28642	21.256				
1520-96-3	Perylene-d12	29044	23.49				

Report of Analysis

Client:		Date Collected:	6/4/2024 12:00:00 AM
Project:		Date Received:	6/4/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-EB-20240604	SDG No.:	BN061024
Lab Sample ID:	P2771-05	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	900 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
BN031884.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161392

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

Report of Analysis

Client:		Date Collected:	6/4/2024 12:00:00 AM
Project:		Date Received:	6/4/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-EB-20240604	SDG No.:	BN061024
Lab Sample ID:	P2771-05	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	900 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
BN031884.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.368		30-150		92	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.374		30-150		94	SPK: -0.4
367-12-4	2-Fluorophenol	0.154		10-92		38	SPK: -0.4
13127-88-3	Phenol-d6	0.091		10-100		23	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.38		11-175		95	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.384		10-175		96	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.285		24-148		71	SPK: -0.4
1718-51-0	Terphenyl-d14	0.481		54-171		120	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9982	7.668				
1146-65-2	Naphthalene-d8	30856	10.453				
15067-26-2	Acenaphthene-d10	19524	14.306				
1517-22-2	Phenanthrene-d10	39860	17.053				
1719-03-5	Chrysene-d12	29135	21.256				
1520-96-3	Perylene-d12	28869	23.493				

Report of Analysis

Client:		Date Collected:	6/4/2024 12:00:00 AM
Project:		Date Received:	6/4/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-200-202	SDG No.:	BN061024
Lab Sample ID:	P2771-06	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	910 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
BN031885.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.22	0.22	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.11	0.11	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.11	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.11	0.11	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.11	0.11	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.11	0.11	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.11	0.11	ug/L
Total PAH	Total PAH	0.5	U	0.5	0.11	1.76	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.11	0.11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.15	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	0.03	U	0.03	0.11	0.11	ug/L
87-86-5	Pentachlorophenol	0.1	U	0.1	0.22	0.22	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.11	0.11	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.11	0.11	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.11	0.11	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.11	0.11	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.11	0.11	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.11	0.11	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.15	U	0.15	0.22	0.22	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.11	0.11	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.11	0.11	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.11	0.11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.11	0.11	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.11	0.11	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.11	0.11	ug/L
123-91-1	1,4-Dioxane	0.43		0.07	0.22	0.22	ug/L

Report of Analysis

Client:		Date Collected:	6/4/2024 12:00:00 AM
Project:		Date Received:	6/4/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-200-202	SDG No.:	BN061024
Lab Sample ID:	P2771-06	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	910 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
BN031885.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.358		30-150		90	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.41		30-150		102	SPK: -0.4
367-12-4	2-Fluorophenol	0.156		10-92		39	SPK: -0.4
13127-88-3	Phenol-d6	0.096		10-100		24	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.356		11-175		89	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.373		10-175		93	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.317		24-148		79	SPK: -0.4
1718-51-0	Terphenyl-d14	0.455		54-171		114	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8750	7.668				
1146-65-2	Naphthalene-d8	27901	10.453				
15067-26-2	Acenaphthene-d10	18254	14.306				
1517-22-2	Phenanthrene-d10	41851	17.054				
1719-03-5	Chrysene-d12	38012	21.256				
1520-96-3	Perylene-d12	39810	23.493				

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161392BL	SDG No.:	BN061024
Lab Sample ID:	PB161392BL	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
BN031889.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161392

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:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161392BL	SDG No.:	BN061024
Lab Sample ID:	PB161392BL	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
BN031889.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.302		30-150		75	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.274		30-150		68	SPK: -0.4
367-12-4	2-Fluorophenol	0.406	*	10-92		101	SPK: -0.4
13127-88-3	Phenol-d6	0.39		10-100		97	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.324		11-175		81	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.348		10-175		87	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.21		24-148		52	SPK: -0.4
1718-51-0	Terphenyl-d14	0.367		54-171		92	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	14975	7.668				
1146-65-2	Naphthalene-d8	46714	10.453				
15067-26-2	Acenaphthene-d10	26748	14.306				
1517-22-2	Phenanthrene-d10	58073	17.053				
1719-03-5	Chrysene-d12	37347	21.256				
1520-96-3	Perylene-d12	34152	23.487				

Report of Analysis

Client:		Date Collected:	6/4/2024 12:00:00 AM
Project:		Date Received:	6/4/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-220-222	SDG No.:	BN061024
Lab Sample ID:	P2771-07	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	860 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN031890.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.23	0.23	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.12	0.12	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.12	0.12	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.12	0.12	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.12	0.12	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.12	0.12	ug/L
Total PAH	Total PAH	0.54	U	0.54	0.12	1.92	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.12	0.12	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.12	0.12	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.16	U	0.16	0.23	0.23	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.12	0.12	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.12	0.12	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.12	0.12	ug/L
87-86-5	Pentachlorophenol	0.1	U	0.1	0.23	0.23	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.12	0.12	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.12	0.12	ug/L
206-44-0	Fluoranthene	0.05	J	0.03	0.12	0.12	ug/L
129-00-0	Pyrene	0.04	J	0.03	0.12	0.12	ug/L
56-55-3	Benzo(a)anthracene	0.05	J	0.03	0.12	0.12	ug/L
218-01-9	Chrysene	0.06	J	0.03	0.12	0.12	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.16	U	0.16	0.23	0.23	ug/L
205-99-2	Benzo(b)fluoranthene	0.07	J	0.04	0.12	0.12	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.12	0.12	ug/L
50-32-8	Benzo(a)pyrene	0.07	U	0.07	0.12	0.12	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.12	0.12	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.05	0.12	0.12	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.12	0.12	ug/L
123-91-1	1,4-Dioxane	0.47		0.08	0.23	0.23	ug/L

Report of Analysis

Client:		Date Collected:	6/4/2024 12:00:00 AM
Project:		Date Received:	6/4/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-220-222	SDG No.:	BN061024
Lab Sample ID:	P2771-07	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	860 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN031890.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161392

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	0.381		30-150		95	SPK: -0.4
367-12-4	2-Fluorophenol	0.171		10-92		43	SPK: -0.4
13127-88-3	Phenol-d6	0.106		10-100		26	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.347		11-175		87	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.376		10-175		94	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.292		24-148		73	SPK: -0.4
1718-51-0	Terphenyl-d14	0.507		54-171		127	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9332	7.668				
1146-65-2	Naphthalene-d8	29449	10.453				
15067-26-2	Acenaphthene-d10	18907	14.306				
1517-22-2	Phenanthrene-d10	42883	17.053				
1719-03-5	Chrysene-d12	36782	21.256				
1520-96-3	Perylene-d12	38044	23.484				

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-240-242	SDG No.:	BN061024
Lab Sample ID:	P2771-09	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	870 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN031891.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161392

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	0.04	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	0.03	J	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	0.43		0.08	0.23	0.23	ug/L

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-240-242	SDG No.:	BN061024
Lab Sample ID:	P2771-09	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	870 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN031891.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.317		30-150		79	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.374		30-150		94	SPK: -0.4
367-12-4	2-Fluorophenol	0.133		10-92		33	SPK: -0.4
13127-88-3	Phenol-d6	0.078		10-100		20	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.312		11-175		78	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.327		10-175		82	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.268		24-148		67	SPK: -0.4
1718-51-0	Terphenyl-d14	0.389		54-171		97	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9312	7.667				
1146-65-2	Naphthalene-d8	29827	10.453				
15067-26-2	Acenaphthene-d10	19069	14.306				
1517-22-2	Phenanthrene-d10	43195	17.053				
1719-03-5	Chrysene-d12	38413	21.246				
1520-96-3	Perylene-d12	38351	23.484				

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-260-262	SDG No.:	BN061024
Lab Sample ID:	P2771-10	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	960 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
BN031892.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.21	0.21	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.03	U	0.03	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	0.48	U	0.48	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	0.15	U	0.15	0.21	0.21	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.09	U	0.09	0.21	0.21	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.03	J	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.02	J	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	J	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.03	J	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.15	U	0.15	0.21	0.21	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	J	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.39		0.07	0.21	0.21	ug/L

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-260-262	SDG No.:	BN061024
Lab Sample ID:	P2771-10	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	960 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
BN031892.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

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	0.294		30-150		74	SPK: -0.4
367-12-4	2-Fluorophenol	0.139		10-92		35	SPK: -0.4
13127-88-3	Phenol-d6	0.083		10-100		21	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.303		11-175		76	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.316		10-175		79	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.246		24-148		62	SPK: -0.4
1718-51-0	Terphenyl-d14	0.404		54-171		101	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	10015	7.668				
1146-65-2	Naphthalene-d8	31307	10.453				
15067-26-2	Acenaphthene-d10	19372	14.306				
1517-22-2	Phenanthrene-d10	41634	17.053				
1719-03-5	Chrysene-d12	28800	21.256				
1520-96-3	Perylene-d12	27781	23.49				

Report of Analysis

Client:		Date Collected:	6/4/2024 12:00:00 AM
Project:		Date Received:	6/4/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-58-60-	SDG No.:	BN061024
Lab Sample ID:	P2772-02	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
BN031893.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

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	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	0.02	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	0.13	J	0.07	0.22	0.22	ug/L

Report of Analysis

Client:		Date Collected:	6/4/2024 12:00:00 AM
Project:		Date Received:	6/4/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-58-60-	SDG No.:	BN061024
Lab Sample ID:	P2772-02	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
BN031893.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.293		30-150		73	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.336		30-150		84	SPK: -0.4
367-12-4	2-Fluorophenol	0.133		10-92		33	SPK: -0.4
13127-88-3	Phenol-d6	0.086		10-100		22	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.29		11-175		72	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.311		10-175		78	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.296		24-148		74	SPK: -0.4
1718-51-0	Terphenyl-d14	0.472		54-171		118	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	10305	7.668				
1146-65-2	Naphthalene-d8	33633	10.453				
15067-26-2	Acenaphthene-d10	20514	14.306				
1517-22-2	Phenanthrene-d10	40142	17.053				
1719-03-5	Chrysene-d12	28514	21.256				
1520-96-3	Perylene-d12	29206	23.487				

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-98-100	SDG No.:	BN061024
Lab Sample ID:	P2772-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	940 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
BN031894.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.21	0.21	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.11	0.11	ug/L
91-20-3	Naphthalene	0.05	J	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	0.21	0.21	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	0.21	0.21	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	0.26		0.15	0.21	0.21	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	3.4		0.07	0.21	0.21	ug/L

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-98-100	SDG No.:	BN061024
Lab Sample ID:	P2772-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	940 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
BN031894.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.245		30-150		61	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.116	*	30-150		29	SPK: -0.4
367-12-4	2-Fluorophenol	0.235		10-92		59	SPK: -0.4
13127-88-3	Phenol-d6	0.08		10-100		20	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.337		11-175		84	SPK: -0.4
321-60-8	2-Fluorobiphenyl	1.268	*	10-175		317	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	1.037	*	24-148		259	SPK: -0.4
1718-51-0	Terphenyl-d14	2.938	*	54-171		734	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	11049		7.668			
1146-65-2	Naphthalene-d8	35018		10.442			
15067-26-2	Acenaphthene-d10	5794		14.306			
1517-22-2	Phenanthrene-d10	25228		17.053			
1719-03-5	Chrysene-d12	2297		21.256			
1520-96-3	Perylene-d12	8		23.487			

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-148-150	SDG No.:	BN061024
Lab Sample ID:	P2772-05	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	850 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN031895.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.24	0.24	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.12	0.12	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.12	0.12	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.12	0.12	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.12	0.12	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.12	0.12	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.12	0.12	ug/L
Total PAH	Total PAH	0.54	U	0.54	0.12	1.92	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.12	0.12	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.16	U	0.16	0.24	0.24	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.12	0.12	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.12	0.12	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.12	0.12	ug/L
87-86-5	Pentachlorophenol	0.11	U	0.11	0.24	0.24	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.12	0.12	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.12	0.12	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.12	0.12	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.12	0.12	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.12	0.12	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.12	0.12	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.16	U	0.16	0.24	0.24	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.12	0.12	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.12	0.12	ug/L
50-32-8	Benzo(a)pyrene	0.07	U	0.07	0.12	0.12	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.12	0.12	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.05	0.12	0.12	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.12	0.12	ug/L
123-91-1	1,4-Dioxane	0.31		0.08	0.24	0.24	ug/L

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-148-150	SDG No.:	BN061024
Lab Sample ID:	P2772-05	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	850 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN031895.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

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	0.382		30-150		95	SPK: -0.4
367-12-4	2-Fluorophenol	0.17		10-92		43	SPK: -0.4
13127-88-3	Phenol-d6	0.122		10-100		31	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.313		11-175		78	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.333		10-175		83	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.33		24-148		83	SPK: -0.4
1718-51-0	Terphenyl-d14	0.426		54-171		106	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8698	7.668				
1146-65-2	Naphthalene-d8	28767	10.442				
15067-26-2	Acenaphthene-d10	19281	14.306				
1517-22-2	Phenanthrene-d10	44318	17.053				
1719-03-5	Chrysene-d12	36942	21.256				
1520-96-3	Perylene-d12	30807	23.484				

Report of Analysis

Client:		Date Collected:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-198-200	SDG No.:	BN061024
Lab Sample ID:	P2772-06	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	950 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
BN031896.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.21	0.21	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.11	0.11	ug/L
91-20-3	Naphthalene	0.11		0.03	0.11	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.11	0.11	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.11	0.11	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.11	0.11	ug/L
Total PAH	Total PAH	0.48	U	0.48	0.11	1.76	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.11	0.11	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.11	0.11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.15	U	0.15	0.21	0.21	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	0.09	U	0.09	0.21	0.21	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	0.21	0.21	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	0.5		0.07	0.21	0.21	ug/L

Report of Analysis

Client:		Date Collected:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-198-200	SDG No.:	BN061024
Lab Sample ID:	P2772-06	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	950 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
BN031896.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.334		30-150		83	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.386		30-150		97	SPK: -0.4
367-12-4	2-Fluorophenol	0.158		10-92		40	SPK: -0.4
13127-88-3	Phenol-d6	0.109		10-100		27	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.316		11-175		79	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.323		10-175		81	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.349		24-148		87	SPK: -0.4
1718-51-0	Terphenyl-d14	0.415		54-171		104	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9124	7.668				
1146-65-2	Naphthalene-d8	30129	10.442				
15067-26-2	Acenaphthene-d10	20996	14.306				
1517-22-2	Phenanthrene-d10	46883	17.053				
1719-03-5	Chrysene-d12	39328	21.247				
1520-96-3	Perylene-d12	34075	23.484				

Report of Analysis

Client:		Date Collected:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	SP-100-20240606	SDG No.:	BN061024
Lab Sample ID:	P2770-01	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
BN031897.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

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	3.8		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	SP-100-20240606	SDG No.:	BN061024
Lab Sample ID:	P2770-01	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
BN031897.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.313		30-150		78	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.363		30-150		91	SPK: -0.4
367-12-4	2-Fluorophenol	0.123		10-92		31	SPK: -0.4
13127-88-3	Phenol-d6	0.066		10-100		16	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.334		11-175		83	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.411		10-175		103	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.289		24-148		72	SPK: -0.4
1718-51-0	Terphenyl-d14	0.575		54-171		144	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9688	7.668				
1146-65-2	Naphthalene-d8	30740	10.442				
15067-26-2	Acenaphthene-d10	19630	14.306				
1517-22-2	Phenanthrene-d10	44104	17.053				
1719-03-5	Chrysene-d12	31224	21.256				
1520-96-3	Perylene-d12	22746	23.484				

Report of Analysis

Client:		Date Collected:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	SP-201-20240606	SDG No.:	BN061024
Lab Sample ID:	P2770-02	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
BN031898.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

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	0.53	U	0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.02	J	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	0.04	J	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.03	J	0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.03	J	0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.21		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.07	J	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.05	J	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.06	J	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.05	J	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.04	J	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.05	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	0.05	J	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.05	J	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	0.05	J	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:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	SP-201-20240606	SDG No.:	BN061024
Lab Sample ID:	P2770-02	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
BN031898.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.338		30-150		84	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.383		30-150		96	SPK: -0.4
367-12-4	2-Fluorophenol	0.122		10-92		31	SPK: -0.4
13127-88-3	Phenol-d6	0.069		10-100		17	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.341		11-175		85	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.397		10-175		99	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.303		24-148		76	SPK: -0.4
1718-51-0	Terphenyl-d14	0.542		54-171		136	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8852	7.668				
1146-65-2	Naphthalene-d8	27985	10.453				
15067-26-2	Acenaphthene-d10	18651	14.306				
1517-22-2	Phenanthrene-d10	44021	17.053				
1719-03-5	Chrysene-d12	34116	21.256				
1520-96-3	Perylene-d12	29160	23.484				

Report of Analysis

Client:		Date Collected:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	SP-303-20240606	SDG No.:	BN061024
Lab Sample ID:	P2770-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN031899.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

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:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	SP-303-20240606	SDG No.:	BN061024
Lab Sample ID:	P2770-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN031899.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.318		30-150		79	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.379		30-150		95	SPK: -0.4
367-12-4	2-Fluorophenol	0.118		10-92		29	SPK: -0.4
13127-88-3	Phenol-d6	0.065		10-100		16	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.335		11-175		84	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.35		10-175		88	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.267		24-148		67	SPK: -0.4
1718-51-0	Terphenyl-d14	0.469		54-171		117	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	10030	7.668				
1146-65-2	Naphthalene-d8	31086	10.453				
15067-26-2	Acenaphthene-d10	19140	14.306				
1517-22-2	Phenanthrene-d10	43383	17.053				
1719-03-5	Chrysene-d12	33852	21.247				
1520-96-3	Perylene-d12	29244	23.484				

Report of Analysis

Client:		Date Collected:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	ORF-EFF06062024	SDG No.:	BN061024
Lab Sample ID:	P2778-01	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
BN031900.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

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	0.37		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	ORF-EFF06062024	SDG No.:	BN061024
Lab Sample ID:	P2778-01	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
BN031900.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.313		30-150		78	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.389		30-150		97	SPK: -0.4
367-12-4	2-Fluorophenol	0.112		10-92		28	SPK: -0.4
13127-88-3	Phenol-d6	0.063		10-100		16	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.314		11-175		79	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.337		10-175		84	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.274		24-148		68	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	10105	7.668				
1146-65-2	Naphthalene-d8	31979	10.453				
15067-26-2	Acenaphthene-d10	19497	14.306				
1517-22-2	Phenanthrene-d10	43881	17.053				
1719-03-5	Chrysene-d12	33972	21.247				
1520-96-3	Perylene-d12	31665	23.484				

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161392BS	SDG No.:	BN061024
Lab Sample ID:	PB161392BS	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
BN031901.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.35		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.35		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.35		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.34		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.35		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.32		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.34		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.43		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.34		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.38		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	0.34		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.28		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.37		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.34		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.32		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.33		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.36		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.32		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.34		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.25		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.36		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.36		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.35		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	0.34		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	0.34		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161392BS	SDG No.:	BN061024
Lab Sample ID:	PB161392BS	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
BN031901.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

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	0.323		30-150		81	SPK: -0.4
367-12-4	2-Fluorophenol	0.332		10-92		83	SPK: -0.4
13127-88-3	Phenol-d6	0.332		10-100		83	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.332		11-175		83	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.35		10-175		88	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.284		24-148		71	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	13020	7.668				
1146-65-2	Naphthalene-d8	43223	10.443				
15067-26-2	Acenaphthene-d10	26920	14.306				
1517-22-2	Phenanthrene-d10	61750	17.054				
1719-03-5	Chrysene-d12	49478	21.247				
1520-96-3	Perylene-d12	45796	23.484				

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161392BSD	SDG No.:	BN061024
Lab Sample ID:	PB161392BSD	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
BN031902.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.35		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	0.35		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.35		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.35		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.32		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.34		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.4		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.34		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.37		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	0.34		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.28		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.36		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.34		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.32		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.33		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.34		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.32		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.34		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.25		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	0.35		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.35		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	0.34		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	0.34		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161392BSD	SDG No.:	BN061024
Lab Sample ID:	PB161392BSD	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
BN031902.D	1	6/7/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161392

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.342		30-150		86	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.326		30-150		81	SPK: -0.4
367-12-4	2-Fluorophenol	0.334		10-92		83	SPK: -0.4
13127-88-3	Phenol-d6	0.335		10-100		84	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.331		11-175		83	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.351		10-175		88	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.282		24-148		70	SPK: -0.4
1718-51-0	Terphenyl-d14	0.332		54-171		83	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	12447	7.668				
1146-65-2	Naphthalene-d8	41521	10.442				
15067-26-2	Acenaphthene-d10	25913	14.306				
1517-22-2	Phenanthrene-d10	60564	17.053				
1719-03-5	Chrysene-d12	51231	21.247				
1520-96-3	Perylene-d12	49085	23.484				



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

Hit Summary Sheet SW-846

SDG No.: BN061024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : SP-100-20240606								
P2770-01	SP-100-20240606	Water	1,4-Dioxane	3.800		0.07	0.2	ug/L
			Total Svoc :			3.80		
			Total Concentration:			3.80		
Client ID : SP-201-20240606								
P2770-02	SP-201-20240606	Water	4-Bromophenyl-phenylether	0.040	J	0.03	0.1	ug/L
P2770-02	SP-201-20240606	Water	Anthracene	0.050	J	0.02	0.1	ug/L
P2770-02	SP-201-20240606	Water	Atrazine	0.030	J	0.02	0.1	ug/L
P2770-02	SP-201-20240606	Water	Benzo(a)anthracene	0.040	J	0.02	0.1	ug/L
P2770-02	SP-201-20240606	Water	Benzo(b)fluoranthene	0.050	J	0.03	0.1	ug/L
P2770-02	SP-201-20240606	Water	Benzo(k)fluoranthene	0.050	J	0.03	0.1	ug/L
P2770-02	SP-201-20240606	Water	Chrysene	0.050	J	0.03	0.1	ug/L
P2770-02	SP-201-20240606	Water	Dibenzo(a,h)anthracene	0.050	J	0.04	0.1	ug/L
P2770-02	SP-201-20240606	Water	Fluoranthene	0.060	J	0.02	0.1	ug/L
P2770-02	SP-201-20240606	Water	Fluorene	0.020	J	0.02	0.1	ug/L
P2770-02	SP-201-20240606	Water	Hexachlorobenzene	0.030	J	0.03	0.1	ug/L
P2770-02	SP-201-20240606	Water	Indeno(1,2,3-cd)pyrene	0.040	J	0.04	0.1	ug/L
P2770-02	SP-201-20240606	Water	Pentachlorophenol	0.210		0.09	0.2	ug/L
P2770-02	SP-201-20240606	Water	Phenanthrene	0.070	J	0.02	0.1	ug/L
P2770-02	SP-201-20240606	Water	Pyrene	0.050	J	0.02	0.1	ug/L
			Total Svoc :			0.84		
			Total Concentration:			0.84		
Client ID : BP-VPB-196-GW-160-162								
P2771-04	BP-VPB-196-GW-160-162	Water	1,4-Dioxane	0.120	J	0.08	0.23	ug/L
P2771-04	BP-VPB-196-GW-160-162	Water	Fluoranthene	0.030	J	0.03	0.12	ug/L
P2771-04	BP-VPB-196-GW-160-162	Water	Pyrene	0.030	J	0.03	0.12	ug/L
			Total Svoc :			0.18		
			Total Concentration:			0.18		
Client ID : BP-VPB-196-GW-200-202								
P2771-06	BP-VPB-196-GW-200-202	Water	1,4-Dioxane	0.430		0.07	0.22	ug/L
			Total Svoc :			0.43		
			Total Concentration:			0.43		
Client ID : BP-VPB-196-GW-220-222								
P2771-07	BP-VPB-196-GW-220-222	Water	1,4-Dioxane	0.470		0.08	0.23	ug/L
P2771-07	BP-VPB-196-GW-220-222	Water	Benzo(a)anthracene	0.050	J	0.03	0.12	ug/L
P2771-07	BP-VPB-196-GW-220-222	Water	Benzo(b)fluoranthene	0.070	J	0.04	0.12	ug/L
P2771-07	BP-VPB-196-GW-220-222	Water	Chrysene	0.060	J	0.03	0.12	ug/L

Hit Summary Sheet SW-846

SDG No.: BN061024

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
P2771-07	BP-VPB-196-GW-220-22 Water	Fluoranthene	0.050	J	0.03	0.12	ug/L
P2771-07	BP-VPB-196-GW-220-22 Water	Pyrene	0.040	J	0.03	0.12	ug/L
Total Svoc :			0.74				
Total Concentration:			0.74				
Client ID :	BP-VPB-196-GW-240-242						
P2771-09	BP-VPB-196-GW-240-24 Water	1,4-Dioxane	0.430		0.08	0.23	ug/L
P2771-09	BP-VPB-196-GW-240-24 Water	Fluoranthene	0.030	J	0.03	0.11	ug/L
P2771-09	BP-VPB-196-GW-240-24 Water	Phenanthrene	0.040	J	0.02	0.11	ug/L
Total Svoc :			0.50				
Total Concentration:			0.50				
Client ID :	BP-VPB-196-GW-260-262						
P2771-10	BP-VPB-196-GW-260-26 Water	1,4-Dioxane	0.390		0.07	0.21	ug/L
P2771-10	BP-VPB-196-GW-260-26 Water	Benzo(a)anthracene	0.020	J	0.02	0.1	ug/L
P2771-10	BP-VPB-196-GW-260-26 Water	Benzo(b)fluoranthene	0.040	J	0.03	0.1	ug/L
P2771-10	BP-VPB-196-GW-260-26 Water	Chrysene	0.030	J	0.03	0.1	ug/L
P2771-10	BP-VPB-196-GW-260-26 Water	Fluoranthene	0.030	J	0.02	0.1	ug/L
P2771-10	BP-VPB-196-GW-260-26 Water	Pyrene	0.020	J	0.02	0.1	ug/L
Total Svoc :			0.53				
Total Concentration:			0.53				
Client ID :	BP-VPB-189-GW-58-60-						
P2772-02	BP-VPB-189-GW-58-60- Water	1,4-Dioxane	0.130	J	0.07	0.22	ug/L
P2772-02	BP-VPB-189-GW-58-60- Water	Phenanthrene	0.020	J	0.02	0.11	ug/L
Total Svoc :			0.15				
Total Concentration:			0.15				
Client ID :	BP-VPB-189-GW-98-100						
P2772-03	BP-VPB-189-GW-98-100 Water	1,4-Dioxane	3.400		0.07	0.21	ug/L
P2772-03	BP-VPB-189-GW-98-100 Water	Bis(2-ethylhexyl)phthalate	0.260		0.15	0.21	ug/L
P2772-03	BP-VPB-189-GW-98-100 Water	Naphthalene	0.050	J	0.03	0.11	ug/L
Total Svoc :			3.71				
Total Concentration:			3.71				
Client ID :	BP-VPB-189-GW-148-150						
P2772-05	BP-VPB-189-GW-148-15 Water	1,4-Dioxane	0.310		0.08	0.24	ug/L
Total Svoc :			0.31				
Total Concentration:			0.31				
Client ID :	BP-VPB-189-GW-198-200						
P2772-06	BP-VPB-189-GW-198-20 Water	1,4-Dioxane	0.500		0.07	0.21	ug/L
P2772-06	BP-VPB-189-GW-198-20 Water	Naphthalene	0.110		0.03	0.11	ug/L
Total Svoc :			0.61				

Hit Summary Sheet SW-846

SDG No.: BN061024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:	0.61				
Client ID :	ORF-EFF06062024							
P2778-01	ORF-EFF06062024	Water	1,4-Dioxane	0.370		0.07	0.2	ug/L
			Total Svoc :	0.37				
			Total Concentration:	0.37				
Client ID :	ICVBN061024							
SSTDICV0.4	ICVBN061024	Water	1,4-Dioxane	350.000		68	200	ug/L
SSTDICV0.4	ICVBN061024	Water	2-Methylnaphthalene	350.000		30	100	ug/L
SSTDICV0.4	ICVBN061024	Water	4,6-Dinitro-2-methylphenol	380.000		140	200	ug/L
SSTDICV0.4	ICVBN061024	Water	4-Bromophenyl-phenylether	340.000		26	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Acenaphthene	340.000		20	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Acenaphthylene	330.000		21	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Anthracene	330.000		24	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Atrazine	310.000		23	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Benzo(a)anthracene	320.000		22	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Benzo(a)pyrene	330.000		56	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Benzo(b)fluoranthene	330.000		32	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Benzo(g,h,i)perylene	360.000		37	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Benzo(k)fluoranthene	330.000		34	100	ug/L
SSTDICV0.4	ICVBN061024	Water	bis(2-Chloroethyl)ether	350.000		28	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Bis(2-ethylhexyl)phthalate	320.000		140	200	ug/L
SSTDICV0.4	ICVBN061024	Water	Chrysene	330.000		26	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Dibenzo(a,h)anthracene	350.000		39	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Fluoranthene	340.000		23	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Fluorene	340.000		18	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Hexachlorobenzene	340.000		29	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Hexachlorobutadiene	350.000		26	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Indeno(1,2,3-cd)pyrene	350.000		38	100	ug/L
SSTDICV0.4	ICVBN061024	Water	n-Nitrosodimethylamine	370.000		30	200	ug/L
SSTDICV0.4	ICVBN061024	Water	Naphthalene	350.000		24	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Pentachlorophenol	390.000		90	200	ug/L
SSTDICV0.4	ICVBN061024	Water	Phenanthrene	340.000		20	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Pyrene	320.000		22	100	ug/L
SSTDICV0.4	ICVBN061024	Water	Total PAH	5,390.000		456	1600	ug/L
			Total Svoc :	14,630.00				
			Total Concentration:	14,630.00				

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

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

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

Calibration Time(s): 11:22 _____

LAB FILE ID:	RRF0.1 = BN031872.D			RRF0.2 = BN031873.D		RRF0.4 = BN031874.D		
	RRF0.8 = BN031875.D			RRF1.6 = BN031876.D		RRF3.2 = BN031877.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.626	0.649	0.555	0.644	0.681	0.655	0.637	6.2
Fluoranthene-d10	1.071	1.077	0.932	1.123	1.177	1.116	1.089	7.1
n-Nitrosodimethylamine	0.464	0.486	0.400	0.466	0.499	0.480	0.465	6.9
2-Fluorophenol	1.150	1.201	0.999	1.122	1.212	1.162	1.137	6.2
Phenol-d6	1.459	1.537	1.289	1.469	1.605	1.559	1.491	6.9
bis(2-Chloroethyl)ether	1.278	1.352	1.115	1.284	1.370	1.315	1.284	6.5
Nitrobenzene-d5	0.330	0.338	0.287	0.327	0.353	0.349	0.332	6.7
Naphthalene	1.064	1.114	0.941	1.073	1.145	1.112	1.077	6.1
Hexachlorobutadiene	0.195	0.197	0.165	0.186	0.198	0.191	0.188	6.0
2-Methylnaphthalene	0.735	0.756	0.644	0.743	0.785	0.751	0.736	6.0
2-Fluorobiphenyl	1.528	1.560	1.307	1.492	1.621	1.579	1.517	6.7
Acenaphthylene	1.753	1.814	1.539	1.814	2.006	2.006	1.844	9.2
Acenaphthene	1.155	1.210	1.019	1.175	1.276	1.247	1.187	7.1
Fluorene	1.564	1.614	1.366	1.587	1.703	1.641	1.586	6.7
4,6-Dinitro-2-methylphenol		0.044	0.043	0.059	0.078	0.091	0.069	34.3
2,4,6-Tribromophenol	0.190	0.182	0.155	0.186	0.204	0.211	0.192	10.8
4-Bromophenyl-phenylether	0.227	0.234	0.192	0.224	0.241	0.238	0.227	7.2
Hexachlorobenzene	0.231	0.240	0.202	0.234	0.254	0.244	0.235	7.0
Atrazine	0.214	0.205	0.175	0.211	0.222	0.217	0.208	7.4
Pentachlorophenol		0.094	0.082	0.108	0.130	0.140	0.117	22.1
Phenanthrene	1.112	1.127	0.944	1.096	1.200	1.150	1.110	7.2
Anthracene	0.989	1.019	0.855	1.033	1.118	1.100	1.030	8.8
Fluoranthene	1.379	1.391	1.147	1.379	1.446	1.348	1.346	7.0
Pyrene	1.607	1.748	1.328	1.522	1.651	1.695	1.589	8.7
Terphenyl-d14	1.042	1.067	0.811	0.951	1.006	1.018	0.978	8.7
Benzo (a) anthracene	1.555	1.575	1.245	1.482	1.587	1.565	1.507	8.0
Chrysene	1.461	1.489	1.200	1.421	1.512	1.447	1.424	7.3
Bis (2-ethylhexyl)phthalate		1.117	0.861	1.042	1.091	0.975	1.029	9.3
Benzo (b) fluoranthene	1.496	1.537	1.232	1.430	1.539	1.538	1.458	7.6
Benzo (k) fluoranthene	1.430	1.477	1.154	1.362	1.445	1.436	1.378	7.9
Benzo (a) pyrene	1.301	1.326	1.043	1.243	1.335	1.299	1.258	8.0
Indeno (1,2,3-cd) pyrene	1.535	1.568	1.196	1.532	1.612	1.460	1.492	9.3
Dibenzo (a,h) anthracene	1.205	1.242	0.940	1.205	1.267	1.156	1.176	9.3
Benzo (g,h,i) perylene	1.298	1.323	1.007	1.299	1.363	1.231	1.263	9.5
1,4-Dioxane	0.579	0.544	0.426	0.467	0.494	0.469	0.490	11.1

All other compounds must meet a minimum RRF of 0.010.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jun 10 2024 12:00AM

Lab File ID: BN031874.D Time Analyzed: 15:55

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	10703	7.675	35162	10.45	22532	14.32
UPPER LIMIT	21406	8.175	70324	10.953	45064	14.817
LOWER LIMIT	5351.5	7.175	17581	9.953	11266	13.817
EPA SAMPLE NO.						
01 ICVBN061024	11424	7.67	37516	10.45	23549	14.31
02 PB161392BL	14520	7.67	45511	10.45	26031	14.31
03 BP-VPB-196-GW-60-62	7465	7.67	23793	10.45	15458	14.31
04 BP-VPB-196-GW-100-102	11265	7.67	34629	10.45	21081	14.31
05 BP-VPB-196-GW-160-162	9976	7.67	30834	10.45	18519	14.31
06 BP-VPB-196-EB-20240604	9982	7.67	30856	10.45	19524	14.31
07 BP-VPB-196-GW-200-202	8750	7.67	27901	10.45	18254	14.31
08 PB161392BL	14975	7.67	46714	10.45	26748	14.31
09 BP-VPB-196-GW-220-222	9332	7.67	29449	10.45	18907	14.31
10 BP-VPB-196-GW-240-242	9312	7.67	29827	10.45	19069	14.31
11 BP-VPB-196-GW-260-262	10015	7.67	31307	10.45	19372	14.31
12 BP-VPB-189-GW-58-60-	10305	7.67	33633	10.45	20514	14.31
13 BP-VPB-189-GW-98-100	11049	7.67	35018	10.44	5794 *	14.31
14 BP-VPB-189-GW-148-150	8698	7.67	28767	10.44	19281	14.31
15 BP-VPB-189-GW-198-200	9124	7.67	30129	10.44	20996	14.31
16 SP-100-20240606	9688	7.67	30740	10.44	19630	14.31
17 SP-201-20240606	8852	7.67	27985	10.45	18651	14.31
18 SP-303-20240606	10030	7.67	31086	10.45	19140	14.31
19 ORF-EFF06062024	10105	7.67	31979	10.45	19497	14.31
20 PB161392BS	13020	7.67	43223	10.44	26920	14.31
21 PB161392BSD	12447	7.67	41521	10.44	25913	14.31



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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

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

Lab File ID: BN031874.D Time Analyzed: 06:35

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	10703	7.675	35162	10.45	22532	14.32
UPPER LIMIT	21406	8.175	70324	10.953	45064	14.817
LOWER LIMIT	5351.5	7.175	17581	9.953	11266	13.817
EPA SAMPLE NO.						

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jun 10 2024 12:00AM

Lab File ID: BN031874.D Time Analyzed: 15:55

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	10703	7.675	35162	10.45	22532	14.32
UPPER LIMIT	21406	8.175	70324	10.953	45064	14.817
LOWER LIMIT	5351.5	7.175	17581	9.953	11266	13.817
EPA SAMPLE NO.						
01 ICVBN061024	11424	7.67	37516	10.45	23549	14.31
02 PB161392BL	14520	7.67	45511	10.45	26031	14.31
03 BP-VPB-196-GW-60-62	7465	7.67	23793	10.45	15458	14.31
04 BP-VPB-196-GW-100-102	11265	7.67	34629	10.45	21081	14.31
05 BP-VPB-196-GW-160-162	9976	7.67	30834	10.45	18519	14.31
06 BP-VPB-196-EB-20240604	9982	7.67	30856	10.45	19524	14.31
07 BP-VPB-196-GW-200-202	8750	7.67	27901	10.45	18254	14.31

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.: BN061024 SAS No.: BN061024 SDG NO.: BN061024

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jun 10 2024 12:00AM

Lab File ID: BN031888.D Time Analyzed: 22:46

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	10400	7.667	34338	10.45	21821	14.31
UPPER LIMIT	20800	8.167	68676	10.953	43642	14.806
LOWER LIMIT	5200	7.167	17169	9.953	10910.5	13.806
EPA SAMPLE NO.						
01 PB161392BL	14975	7.67	46714	10.45	26748	14.31
02 BP-VPB-196-GW-220-222	9332	7.67	29449	10.45	18907	14.31
03 BP-VPB-196-GW-240-242	9312	7.67	29827	10.45	19069	14.31
04 BP-VPB-196-GW-260-262	10015	7.67	31307	10.45	19372	14.31
05 BP-VPB-189-GW-58-60-	10305	7.67	33633	10.45	20514	14.31
06 BP-VPB-189-GW-98-100	11049	7.67	35018	10.44	5794 *	14.31
07 BP-VPB-189-GW-148-150	8698	7.67	28767	10.44	19281	14.31
08 BP-VPB-189-GW-198-200	9124	7.67	30129	10.44	20996	14.31
09 SP-100-20240606	9688	7.67	30740	10.44	19630	14.31
10 SP-201-20240606	8852	7.67	27985	10.45	18651	14.31
11 SP-303-20240606	10030	7.67	31086	10.45	19140	14.31
12 ORF-EFF06062024	10105	7.67	31979	10.45	19497	14.31
13 PB161392BS	13020	7.67	43223	10.44	26920	14.31
14 PB161392BSD	12447	7.67	41521	10.44	25913	14.31

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.: BN061024 SAS No.: BN061024 SDG NO.: BN061024

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jun 10 2024 12:00AM

Lab File ID: BN031874.D Time Analyzed: 15:55

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	52345	17.066	47014	21.265	48380	23.502
	UPPER LIMIT	104690	17.566	94028	21.765	96760	24.002
	LOWER LIMIT	26172.5	16.566	23507	20.765	24190	23.002
	EPA SAMPLE NO.						
01	ICVBN061024	54192	17.07	50575	21.27	54922	23.51
02	PB161392BL	61300	17.07	54374	21.27	60861	23.50
03	BP-VPB-196-GW-60-62	34952	17.05	31928	21.26	36363	23.50
04	BP-VPB-196-GW-100-102	45920	17.07	30711	21.26	27116	23.50
05	BP-VPB-196-GW-160-162	38934	17.05	28642	21.26	29044	23.49
06	BP-VPB-196-EB-20240604	39860	17.05	29135	21.26	28869	23.49
07	BP-VPB-196-GW-200-202	41851	17.05	38012	21.26	39810	23.49
08	PB161392BL	58073	17.05	37347	21.26	34152	23.49
09	BP-VPB-196-GW-220-222	42883	17.05	36782	21.26	38044	23.48
10	BP-VPB-196-GW-240-242	43195	17.05	38413	21.25	38351	23.48
11	BP-VPB-196-GW-260-262	41634	17.05	28800	21.26	27781	23.49
12	BP-VPB-189-GW-58-60-	40142	17.05	28514	21.26	29206	23.49
13	BP-VPB-189-GW-98-100	25228 *	17.05	2297 *	21.26	8 *	23.49
14	BP-VPB-189-GW-148-150	44318	17.05	36942	21.26	30807	23.48
15	BP-VPB-189-GW-198-200	46883	17.05	39328	21.25	34075	23.48
16	SP-100-20240606	44104	17.05	31224	21.26	22746 *	23.48
17	SP-201-20240606	44021	17.05	34116	21.26	29160	23.48
18	SP-303-20240606	43383	17.05	33852	21.25	29244	23.48
19	ORF-EFF06062024	43881	17.05	33972	21.25	31665	23.48
20	PB161392BS	61750	17.05	49478	21.25	45796	23.48
21	PB161392BSD	60564	17.05	51231	21.25	49085	23.48

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

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

Lab File ID: BN031874.D Time Analyzed: 06:35

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	52345	17.066	47014	21.265	48380	23.502
UPPER LIMIT	104690	17.566	94028	21.765	96760	24.002
LOWER LIMIT	26172.5	16.566	23507	20.765	24190	23.002
EPA SAMPLE NO.						

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.: BN061024 SAS No.: BN061024 SDG NO.: BN061024

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jun 10 2024 12:00AM

Lab File ID: BN031874.D Time Analyzed: 15:55

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	52345	17.066	47014	21.265	48380	23.502
UPPER LIMIT	104690	17.566	94028	21.765	96760	24.002
LOWER LIMIT	26172.5	16.566	23507	20.765	24190	23.002
EPA SAMPLE NO.						
01 ICVBN061024	54192	17.07	50575	21.27	54922	23.51
02 PB161392BL	61300	17.07	54374	21.27	60861	23.50
03 BP-VPB-196-GW-60-62	34952	17.05	31928	21.26	36363	23.50
04 BP-VPB-196-GW-100-102	45920	17.07	30711	21.26	27116	23.50
05 BP-VPB-196-GW-160-162	38934	17.05	28642	21.26	29044	23.49
06 BP-VPB-196-EB-20240604	39860	17.05	29135	21.26	28869	23.49
07 BP-VPB-196-GW-200-202	41851	17.05	38012	21.26	39810	23.49

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.: BN061024 SAS No.: BN061024 SDG NO.: BN061024

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jun 10 2024 12:00AM

Lab File ID: BN031888.D Time Analyzed: 22:46

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	51067	17.053	45654	21.255	48388	23.49
	UPPER LIMIT	102134	17.553	91308	21.755	96776	23.99
	LOWER LIMIT	25533.5	16.553	22827	20.755	24194	22.99
	EPA SAMPLE NO.						
01	PB161392BL	58073	17.05	37347	21.26	34152	23.49
02	BP-VPB-196-GW-220-222	42883	17.05	36782	21.26	38044	23.48
03	BP-VPB-196-GW-240-242	43195	17.05	38413	21.25	38351	23.48
04	BP-VPB-196-GW-260-262	41634	17.05	28800	21.26	27781	23.49
05	BP-VPB-189-GW-58-60-	40142	17.05	28514	21.26	29206	23.49
06	BP-VPB-189-GW-98-100	25228 *	17.05	2297 *	21.26	8 *	23.49
07	BP-VPB-189-GW-148-150	44318	17.05	36942	21.26	30807	23.48
08	BP-VPB-189-GW-198-200	46883	17.05	39328	21.25	34075	23.48
09	SP-100-20240606	44104	17.05	31224	21.26	22746 *	23.48
10	SP-201-20240606	44021	17.05	34116	21.26	29160	23.48
11	SP-303-20240606	43383	17.05	33852	21.25	29244	23.48
12	ORF-EFF06062024	43881	17.05	33972	21.25	31665	23.48
13	PB161392BS	61750	17.05	49478	21.25	45796	23.48
14	PB161392BSD	60564	17.05	51231	21.25	49085	23.48

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.: BN061024

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB161392BS	n-Nitrosodimethylamine	0.4	0.35	ug/L	88				33	130	
	bis(2-Chloroethyl)ether	0.4	0.35	ug/L	88				55	118	
	Naphthalene	0.4	0.35	ug/L	88				67	120	
	Hexachlorobutadiene	0.4	0.34	ug/L	85				33	114	
	2-Methylnaphthalene	0.4	0.35	ug/L	88				50	122	
	Acenaphthylene	0.4	0.32	ug/L	80				60	119	
	Acenaphthene	0.4	0.34	ug/L	85				65	119	
	Total PAH	6.4	5.43	ug/L	85				65	119	
	Fluorene	0.4	0.34	ug/L	85				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.38	ug/L	95				20	150	
	4-Bromophenyl-phenylether	0.4	0.33	ug/L	83				20	150	
	Hexachlorobenzene	0.4	0.34	ug/L	85				62	127	
	Atrazine	0.4	0.28	ug/L	70				20	150	
	Pentachlorophenol	0.8	0.37	ug/L	46				10	137	
	Phenanthrene	0.4	0.34	ug/L	85				65	117	
	Anthracene	0.4	0.32	ug/L	80				57	118	
	Fluoranthene	0.4	0.33	ug/L	83				53	126	
	Pyrene	0.4	0.36	ug/L	90				54	124	
	Benzo(a)anthracene	0.4	0.32	ug/L	80				54	130	
	Chrysene	0.4	0.34	ug/L	85				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.25	ug/L	63				40	137	
	Benzo(b)fluoranthene	0.4	0.36	ug/L	90				65	121	
	Benzo(k)fluoranthene	0.4	0.36	ug/L	90				72	119	
	Benzo(a)pyrene	0.4	0.35	ug/L	88				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.33	ug/L	83				70	127	
	Dibenz(a,h)anthracene	0.4	0.34	ug/L	85				65	121	
	Benzo(g,h,i)perylene	0.4	0.33	ug/L	83				76	117	
	1,4-Dioxane	0.4	0.34	ug/L	85				60	132	
PB161392BSD	n-Nitrosodimethylamine	0.4	0.35	ug/L	88	0			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.36	ug/L	90	3			55	118	20
	Naphthalene	0.4	0.35	ug/L	88	0			67	120	20
	Hexachlorobutadiene	0.4	0.35	ug/L	88	3			33	114	20
	2-Methylnaphthalene	0.4	0.35	ug/L	88	0			50	122	20
	Acenaphthylene	0.4	0.32	ug/L	80	0			60	119	20
	Acenaphthene	0.4	0.34	ug/L	85	0			65	119	20
	Total PAH	6.4	5.4	ug/L	84	1			65	119	20
	Fluorene	0.4	0.34	ug/L	85	0			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.37	ug/L	93	3			20	150	20
	4-Bromophenyl-phenylether	0.4	0.33	ug/L	83	0			20	150	20
	Hexachlorobenzene	0.4	0.34	ug/L	85	0			62	127	20
	Atrazine	0.4	0.28	ug/L	70	0			20	150	20
	Pentachlorophenol	0.8	0.36	ug/L	45	3			10	137	20
	Phenanthrene	0.4	0.34	ug/L	85	0			65	117	20
	Anthracene	0.4	0.32	ug/L	80	0			57	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN061024

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB161392BSD	Fluoranthene	0.4	0.33	ug/L	83	0			53	126	20
	Pyrene	0.4	0.34	ug/L	85	6			54	124	20
	Benzo(a)anthracene	0.4	0.32	ug/L	80	0			54	130	20
	Chrysene	0.4	0.34	ug/L	85	0			64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.25	ug/L	63	0			40	137	20
	Benzo(b)fluoranthene	0.4	0.36	ug/L	90	0			65	121	20
	Benzo(k)fluoranthene	0.4	0.35	ug/L	88	3			72	119	20
	Benzo(a)pyrene	0.4	0.35	ug/L	88	0			68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.33	ug/L	83	0			70	127	20
	Dibenz(a,h)anthracene	0.4	0.34	ug/L	85	0			65	121	20
	Benzo(g,h,i)perylene	0.4	0.33	ug/L	83	0			76	117	20
	1,4-Dioxane	0.4	0.34	ug/L	85	0			60	132	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBN061024

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN061024

SAS No.: BN061024 SDG NO.: BN061024

Lab File ID: BN031879.D

Lab Sample ID: SSTDICV0.4

Instrument ID: BNA_N

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 06/10/2024

Level: (low/med) LOW

Time Analyzed: 15:55

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBN061024	SSTDICV0.4	BN031879.D	06/10/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161392BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN061024

SAS No.: BN061024 SDG NO.: BN061024

Lab File ID: BN031880.D

Lab Sample ID: PB161392BL

Instrument ID: BNA_N

Date Extracted: 06/07/2024

Matrix: (soil/water) Water

Date Analyzed: 06/10/2024

Level: (low/med) LOW

Time Analyzed: 16:37

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BP-VPB-196-GW-220-222	P2771-07	BN031890.D	06/10/2024
BP-VPB-196-GW-240-242	P2771-09	BN031891.D	06/10/2024
BP-VPB-196-GW-260-262	P2771-10	BN031892.D	06/11/2024
BP-VPB-189-GW-58-60-	P2772-02	BN031893.D	06/11/2024
BP-VPB-189-GW-98-100	P2772-03	BN031894.D	06/11/2024
BP-VPB-189-GW-148-150	P2772-05	BN031895.D	06/11/2024
BP-VPB-189-GW-198-200	P2772-06	BN031896.D	06/11/2024
SP-100-20240606	P2770-01	BN031897.D	06/11/2024
SP-201-20240606	P2770-02	BN031898.D	06/11/2024
SP-303-20240606	P2770-03	BN031899.D	06/11/2024
ORF-EFF06062024	P2778-01	BN031900.D	06/11/2024
PB161392BS	PB161392BS	BN031901.D	06/11/2024
PB161392BSD	PB161392BSD	BN031902.D	06/11/2024
BP-VPB-196-GW-60-62	P2771-02	BN031881.D	06/10/2024
BP-VPB-196-GW-100-102	P2771-03	BN031882.D	06/10/2024
BP-VPB-196-GW-160-162	P2771-04	BN031883.D	06/10/2024
BP-VPB-196-EB-20240604	P2771-05	BN031884.D	06/10/2024
BP-VPB-196-GW-200-202	P2771-06	BN031885.D	06/10/2024

COMMENTS: _____



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

Surrogate Summary

SW-846

SDG No.: BN061024

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High
SSTDICV0.4	ICVBN061024	BN031879.D	2-Methylnaphthalene-d10	0.4	346.00	86500	*	30	150
			Fluoranthene-d10	0.4	337.00	84250	*	30	150
			2-Fluorophenol	0.4	350.00	87500	*	10	92
			Phenol-d6	0.4	343.00	85750	*	10	100
			Nitrobenzene-d5	0.4	341.00	85250	*	11	175
			2-Fluorobiphenyl	0.4	347.00	86750	*	10	175
			2,4,6-Tribromophenol	0.4	305.00	76250	*	24	148
			Terphenyl-d14	0.4	317.00	79250	*	54	171

Surrogate Summary

SW-846

SDG No.: **BN061024**

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2770-01	SP-100-20240606	BN031897.D	2-Methylnaphthalene-d10	0.4	0.31	78		30	150
			Fluoranthene-d10	0.4	0.36	91		30	150
			2-Fluorophenol	0.4	0.12	31		10	92
			Phenol-d6	0.4	0.07	16		10	100
			Nitrobenzene-d5	0.4	0.33	83		11	175
			2-Fluorobiphenyl	0.4	0.41	103		10	175
			2,4,6-Tribromophenol	0.4	0.29	72		24	148
			Terphenyl-d14	0.4	0.58	144		54	171
P2770-02	SP-201-20240606	BN031898.D	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
			Fluoranthene-d10	0.4	0.38	96		30	150
			2-Fluorophenol	0.4	0.12	31		10	92
			Phenol-d6	0.4	0.07	17		10	100
			Nitrobenzene-d5	0.4	0.34	85		11	175
			2-Fluorobiphenyl	0.4	0.40	99		10	175
			2,4,6-Tribromophenol	0.4	0.30	76		24	148
			Terphenyl-d14	0.4	0.54	136		54	171
P2770-03	SP-303-20240606	BN031899.D	2-Methylnaphthalene-d10	0.4	0.32	79		30	150
			Fluoranthene-d10	0.4	0.38	95		30	150
			2-Fluorophenol	0.4	0.12	29		10	92
			Phenol-d6	0.4	0.07	16		10	100
			Nitrobenzene-d5	0.4	0.34	84		11	175
			2-Fluorobiphenyl	0.4	0.35	88		10	175
			2,4,6-Tribromophenol	0.4	0.27	67		24	148
			Terphenyl-d14	0.4	0.47	117		54	171
P2771-02	BP-VPB-196-GW-6BN031881.D		2-Methylnaphthalene-d10	0.4	0.31	77		30	150
			Fluoranthene-d10	0.4	0.39	97		30	150
			2-Fluorophenol	0.4	0.19	47		10	92
			Phenol-d6	0.4	0.13	32		10	100
			Nitrobenzene-d5	0.4	0.31	78		11	175
			2-Fluorobiphenyl	0.4	0.32	80		10	175
			2,4,6-Tribromophenol	0.4	0.34	86		24	148
			Terphenyl-d14	0.4	0.43	106		54	171
P2771-03	BP-VPB-196-GW-1BN031882.D		2-Methylnaphthalene-d10	0.4	0.73	182	*	30	150
			Fluoranthene-d10	0.4	0.68	170	*	30	150
			2-Fluorophenol	0.4	0.39	97	*	10	92
			Phenol-d6	0.4	0.25	62		10	100
			Nitrobenzene-d5	0.4	0.76	189	*	11	175
			2-Fluorobiphenyl	0.4	0.79	198	*	10	175
			2,4,6-Tribromophenol	0.4	0.67	167	*	24	148
			Terphenyl-d14	0.4	0.95	238	*	54	171
P2771-04	BP-VPB-196-GW-1BN031883.D		2-Methylnaphthalene-d10	0.4	0.36	89		30	150
			Fluoranthene-d10	0.4	0.36	90		30	150
			2-Fluorophenol	0.4	0.18	45		10	92
			Phenol-d6	0.4	0.11	28		10	100
			Nitrobenzene-d5	0.4	0.37	92		11	175
			2-Fluorobiphenyl	0.4	0.40	99		10	175
			2,4,6-Tribromophenol	0.4	0.31	76		24	148
			Terphenyl-d14	0.4	0.49	122		54	171
P2771-05	BP-VPB-196-EB-2(BN031884.D		2-Methylnaphthalene-d10	0.4	0.37	92		30	150

Surrogate Summary

SW-846

SDG No.: **BN061024**

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2771-05	BP-VPB-196-EB-2(BN031884.D		Fluoranthene-d10	0.4	0.37	94		30	150
			2-Fluorophenol	0.4	0.15	38		10	92
			Phenol-d6	0.4	0.09	23		10	100
			Nitrobenzene-d5	0.4	0.38	95		11	175
			2-Fluorobiphenyl	0.4	0.38	96		10	175
			2,4,6-Tribromophenol	0.4	0.29	71		24	148
			Terphenyl-d14	0.4	0.48	120		54	171
P2771-06	BP-VPB-196-GW-2BN031885.D		2-Methylnaphthalene-d10	0.4	0.36	90		30	150
			Fluoranthene-d10	0.4	0.41	102		30	150
			2-Fluorophenol	0.4	0.16	39		10	92
			Phenol-d6	0.4	0.10	24		10	100
			Nitrobenzene-d5	0.4	0.36	89		11	175
			2-Fluorobiphenyl	0.4	0.37	93		10	175
			2,4,6-Tribromophenol	0.4	0.32	79		24	148
P2771-07	BP-VPB-196-GW-2BN031890.D		Terphenyl-d14	0.4	0.46	114		54	171
			2-Methylnaphthalene-d10	0.4	0.35	88		30	150
			Fluoranthene-d10	0.4	0.38	95		30	150
			2-Fluorophenol	0.4	0.17	43		10	92
			Phenol-d6	0.4	0.11	26		10	100
			Nitrobenzene-d5	0.4	0.35	87		11	175
			2-Fluorobiphenyl	0.4	0.38	94		10	175
P2771-09	BP-VPB-196-GW-2BN031891.D		2,4,6-Tribromophenol	0.4	0.29	73		24	148
			Terphenyl-d14	0.4	0.51	127		54	171
			2-Methylnaphthalene-d10	0.4	0.32	79		30	150
			Fluoranthene-d10	0.4	0.37	94		30	150
			2-Fluorophenol	0.4	0.13	33		10	92
			Phenol-d6	0.4	0.08	20		10	100
			Nitrobenzene-d5	0.4	0.31	78		11	175
P2771-10	BP-VPB-196-GW-2BN031892.D		2-Fluorobiphenyl	0.4	0.33	82		10	175
			2,4,6-Tribromophenol	0.4	0.27	67		24	148
			Terphenyl-d14	0.4	0.39	97		54	171
			2-Methylnaphthalene-d10	0.4	0.30	75		30	150
			Fluoranthene-d10	0.4	0.29	74		30	150
			2-Fluorophenol	0.4	0.14	35		10	92
			Phenol-d6	0.4	0.08	21		10	100
P2772-02	BP-VPB-189-GW-5BN031893.D		Nitrobenzene-d5	0.4	0.30	76		11	175
			2-Fluorobiphenyl	0.4	0.32	79		10	175
			2,4,6-Tribromophenol	0.4	0.25	62		24	148
			Terphenyl-d14	0.4	0.40	101		54	171
			2-Methylnaphthalene-d10	0.4	0.29	73		30	150
			Fluoranthene-d10	0.4	0.34	84		30	150
			2-Fluorophenol	0.4	0.13	33		10	92
P2772-03	BP-VPB-189-GW-5BN031894.D		Phenol-d6	0.4	0.09	22		10	100
			Nitrobenzene-d5	0.4	0.29	72		11	175
			2-Fluorobiphenyl	0.4	0.31	78		10	175
			2,4,6-Tribromophenol	0.4	0.30	74		24	148
			Terphenyl-d14	0.4	0.47	118		54	171
			2-Methylnaphthalene-d10	0.4	0.25	61		30	150
			Fluoranthene-d10	0.4	0.12	29	*	30	150

Surrogate Summary

SW-846

SDG No.: **BN061024**

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2772-03	BP-VPB-189-GW-5BN031894.D		2-Fluorophenol	0.4	0.24	59		10	92
			Phenol-d6	0.4	0.08	20		10	100
			Nitrobenzene-d5	0.4	0.34	84		11	175
			2-Fluorobiphenyl	0.4	1.27	317	*	10	175
			2,4,6-Tribromophenol	0.4	1.04	259	*	24	148
			Terphenyl-d14	0.4	2.94	734	*	54	171
P2772-05	BP-VPB-189-GW-1BN031895.D		2-Methylnaphthalene-d10	0.4	0.33	82		30	150
			Fluoranthene-d10	0.4	0.38	95		30	150
			2-Fluorophenol	0.4	0.17	43		10	92
			Phenol-d6	0.4	0.12	31		10	100
			Nitrobenzene-d5	0.4	0.31	78		11	175
			2-Fluorobiphenyl	0.4	0.33	83		10	175
			2,4,6-Tribromophenol	0.4	0.33	83		24	148
			Terphenyl-d14	0.4	0.43	106		54	171
P2772-06	BP-VPB-189-GW-1BN031896.D		2-Methylnaphthalene-d10	0.4	0.33	83		30	150
			Fluoranthene-d10	0.4	0.39	97		30	150
			2-Fluorophenol	0.4	0.16	40		10	92
			Phenol-d6	0.4	0.11	27		10	100
			Nitrobenzene-d5	0.4	0.32	79		11	175
			2-Fluorobiphenyl	0.4	0.32	81		10	175
			2,4,6-Tribromophenol	0.4	0.35	87		24	148
			Terphenyl-d14	0.4	0.42	104		54	171
P2778-01	ORF-EFF06062024BN031900.D		2-Methylnaphthalene-d10	0.4	0.31	78		30	150
			Fluoranthene-d10	0.4	0.39	97		30	150
			2-Fluorophenol	0.4	0.11	28		10	92
			Phenol-d6	0.4	0.06	16		10	100
			Nitrobenzene-d5	0.4	0.31	79		11	175
			2-Fluorobiphenyl	0.4	0.34	84		10	175
			2,4,6-Tribromophenol	0.4	0.27	68		24	148
			Terphenyl-d14	0.4	0.49	123		54	171
PB161392BL	PB161392BL	BN031889.D	2-Methylnaphthalene-d10	0.4	0.30	75		30	150
		BN031880.D	2-Methylnaphthalene-d10	0.4	0.31	76		30	150
			Fluoranthene-d10	0.4	0.32	79		30	150
		BN031889.D	Fluoranthene-d10	0.4	0.27	68		30	150
			2-Fluorophenol	0.4	0.41	101	*	10	92
		BN031880.D	2-Fluorophenol	0.4	0.42	104	*	10	92
			Phenol-d6	0.4	0.40	101	*	10	100
		BN031889.D	Phenol-d6	0.4	0.39	97		10	100
			Nitrobenzene-d5	0.4	0.32	81		11	175
		BN031880.D	Nitrobenzene-d5	0.4	0.33	82		11	175
			2-Fluorobiphenyl	0.4	0.35	86		10	175
		BN031889.D	2-Fluorobiphenyl	0.4	0.35	87		10	175
			2,4,6-Tribromophenol	0.4	0.21	52		24	148
		BN031880.D	2,4,6-Tribromophenol	0.4	0.24	60		24	148
			Terphenyl-d14	0.4	0.33	82		54	171
		BN031889.D	Terphenyl-d14	0.4	0.37	92		54	171
PB161392BS	PB161392BS	BN031901.D	2-Methylnaphthalene-d10	0.4	0.34	86		30	150
			Fluoranthene-d10	0.4	0.32	81		30	150
			2-Fluorophenol	0.4	0.33	83		10	92



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Surrogate Summary

SW-846

SDG No.: BN061024

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB161392BS	PB161392BS	BN031901.D	Phenol-d6	0.4	0.33	83		10	100
			Nitrobenzene-d5	0.4	0.33	83		11	175
			2-Fluorobiphenyl	0.4	0.35	88		10	175
			2,4,6-Tribromophenol	0.4	0.28	71		24	148
			Terphenyl-d14	0.4	0.35	87		54	171
PB161392BSD	PB161392BSD	BN031902.D	2-Methylnaphthalene-d10	0.4	0.34	86		30	150
			Fluoranthene-d10	0.4	0.33	81		30	150
			2-Fluorophenol	0.4	0.33	83		10	92
			Phenol-d6	0.4	0.34	84		10	100
			Nitrobenzene-d5	0.4	0.33	83		11	175
			2-Fluorobiphenyl	0.4	0.35	88		10	175
			2,4,6-Tribromophenol	0.4	0.28	70		24	148
			Terphenyl-d14	0.4	0.33	83		54	171

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN061024

Lab Code: CHEM

SAS No.: BN061024 SDG NO.: BN061024

Lab File ID: BN031871.D

DFTPP Injection Date: 06/10/2024

Instrument ID: BNA_N

DFTPP Injection Time: 10:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.5
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	34.9
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	45.3
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	6.7
275	10.0 - 60.0% of mass 198	27.4
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	10.9
442	Greater than 50% of mass 198	72.6
443	15.0 - 24.0% of mass 442	12.5 (17.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN031872.D	06/10/2024	11:22
SSTDICC0.2	SSTDICC0.2	BN031873.D	06/10/2024	11:58
SSTDICCC0.4	SSTDICCC0.4	BN031874.D	06/10/2024	12:34
SSTDICC0.8	SSTDICC0.8	BN031875.D	06/10/2024	13:10
SSTDICC1.6	SSTDICC1.6	BN031876.D	06/10/2024	13:46
SSTDICC3.2	SSTDICC3.2	BN031877.D	06/10/2024	14:22
SSTDICC5.0	SSTDICC5.0	BN031878.D	06/10/2024	14:59
ICVBN061024	SSTDICV0.4	BN031879.D	06/10/2024	15:55
PB161392BL	PB161392BL	BN031880.D	06/10/2024	16:37
BP-VPB-196-GW-60-62	P2771-02	BN031881.D	06/10/2024	17:14
BP-VPB-196-GW-100-102	P2771-03	BN031882.D	06/10/2024	17:50
BP-VPB-196-GW-160-162	P2771-04	BN031883.D	06/10/2024	18:26
BP-VPB-196-EB-20240604	P2771-05	BN031884.D	06/10/2024	19:02
BP-VPB-196-GW-200-202	P2771-06	BN031885.D	06/10/2024	19:39
SSTDCCC0.4EC	SSTDCCC0.4	BN031886.D	06/10/2024	20:15

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN061024

Lab Code: CHEM

SAS No.: BN061024 SDG NO.: BN061024

Lab File ID: BN031887.D

DFTPP Injection Date: 06/10/2024

Instrument ID: BNA_N

DFTPP Injection Time: 21:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.5
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.5
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	12
442	Greater than 50% of mass 198	77.7
443	15.0 - 24.0% of mass 442	13.8 (17.8) 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	BN031888.D	06/10/2024	22:10
PB161392BL	PB161392BL	BN031889.D	06/10/2024	22:46
BP-VPB-196-GW-220-222	P2771-07	BN031890.D	06/10/2024	23:22
BP-VPB-196-GW-240-242	P2771-09	BN031891.D	06/10/2024	23:58
BP-VPB-196-GW-260-262	P2771-10	BN031892.D	06/11/2024	00:34
BP-VPB-189-GW-58-60-	P2772-02	BN031893.D	06/11/2024	01:10
BP-VPB-189-GW-98-100	P2772-03	BN031894.D	06/11/2024	01:46
BP-VPB-189-GW-148-150	P2772-05	BN031895.D	06/11/2024	02:23
BP-VPB-189-GW-198-200	P2772-06	BN031896.D	06/11/2024	02:59
SP-100-20240606	P2770-01	BN031897.D	06/11/2024	03:35
SP-201-20240606	P2770-02	BN031898.D	06/11/2024	04:11
SP-303-20240606	P2770-03	BN031899.D	06/11/2024	04:47
ORF-EFF06062024	P2778-01	BN031900.D	06/11/2024	05:23
PB161392BS	PB161392BS	BN031901.D	06/11/2024	05:59
PB161392BSD	PB161392BSD	BN031902.D	06/11/2024	06:35
SSTDCCC0.4EC	SSTDCCC0.4	BN031903.D	06/11/2024	07:11