

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN070924 SAS No.: BN070924 SDG No.: BN070924

Instrument ID: BNA_N Calibration Date/Time: 7/9/2024 12:05:29

Lab File ID: BN032573.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	0.632	0.628		-0.633	50.0
Fluoranthene-d10	1.042	1.008		-3.263	50.0
n-Nitrosodimethylamine	0.382	0.352		-7.853	50.0
2-Fluorophenol	1.011	1.015		0.396	50.0
Phenol-d6	1.292	1.214		-6.037	50.0
bis(2-Chloroethyl) ether	0.887	0.795		-10.372	50.0
Nitrobenzene-d5	0.299	0.256		-14.381	50.0
Naphthalene	1.093	1.172		7.228	50.0
Hexachlorobutadiene	0.218	0.209		-4.128	50.0
2-Methylnaphthalene	0.731	0.721		-1.368	50.0
2-Fluorobiphenyl	1.474	1.347		-8.616	50.0
Acenaphthylene	1.723	1.533		-11.027	50.0
Acenaphthene	1.197	1.115		-6.85	50.0
Fluorene	1.569	1.486		-5.29	50.0
4,6-Dinitro-2-methylphenol	0.053	0.037		-30.189	50.0
2,4,6-Tribromophenol	0.181	0.178		-1.657	50.0
4-Bromophenyl-phenylether	0.238	0.224		-5.882	50.0
Hexachlorobenzene	0.261	0.249		-4.598	50.0
Atrazine	0.185	0.172		-7.027	50.0
Pentachlorophenol	0.088	0.092		4.545	50.0
Phenanthrene	1.087	1.044		-3.956	50.0
Anthracene	0.874	0.789		-9.725	50.0
Fluoranthene	1.313	1.247		-5.027	50.0
Pyrene	1.627	1.562		-3.995	50.0
Terphenyl-d14	0.977	0.915		-6.346	50.0
Benzo(a)anthracene	1.323	1.236		-6.576	50.0
Chrysene	1.571	1.545		-1.655	50.0
Bis(2-ethylhexyl)phthalate	0.899	0.977		8.676	50.0
Benzo(b)fluoranthene	1.333	1.208		-9.377	50.0
Benzo(k)fluoranthene	1.536	1.519		-1.107	50.0
Benzo(a)pyrene	1.262	1.190		-5.705	50.0
Indeno(1,2,3-cd)pyrene	1.528	1.346		-11.911	50.0
Dibenzo(a,h)anthracene	1.213	1.054		-13.108	50.0
Benzo(g,h,i)perylene	1.321	1.162		-12.036	50.0
1,4-Dioxane	0.527	0.486		-7.78	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.: BN070924 SAS No.: BN070924 SDG No.: BN070924

Instrument ID: BNA_N Calibration Date/Time: 7/9/2024 12:07:24

Lab File ID: BN032575.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	0.632	0.618		-2.215	20.0
Fluoranthene-d10	1.042	0.971		-6.814	20.0
n-Nitrosodimethylamine	0.382	0.363		-4.974	20.0
2-Fluorophenol	1.011	0.936		-7.418	20.0
Phenol-d6	1.292	1.146		-11.3	20.0
bis(2-Chloroethyl) ether	0.887	0.883		-0.451	20.0
Nitrobenzene-d5	0.299	0.251		-16.054	20.0
Naphthalene	1.093	1.073		-1.83	20.0
Hexachlorobutadiene	0.218	0.209		-4.128	20.0
2-Methylnaphthalene	0.731	0.711		-2.736	20.0
2-Fluorobiphenyl	1.474	1.373		-6.852	20.0
Acenaphthylene	1.723	1.534		-10.969	20.0
Acenaphthene	1.197	1.126		-5.931	20.0
Fluorene	1.569	1.492		-4.908	20.0
4,6-Dinitro-2-methylphenol	0.053	0.033		-37.736	20.0
2,4,6-Tribromophenol	0.181	0.165		-8.84	20.0
4-Bromophenyl-phenylether	0.238	0.234		-1.681	20.0
Hexachlorobenzene	0.261	0.250		-4.215	20.0
Atrazine	0.185	0.165		-10.811	20.0
Pentachlorophenol	0.088	0.080		-9.091	20.0
Phenanthrene	1.087	1.038		-4.508	20.0
Anthracene	0.874	0.774		-11.442	20.0
Fluoranthene	1.313	1.218		-7.235	20.0
Pyrene	1.627	1.572		-3.38	20.0
Terphenyl-d14	0.977	0.919		-5.937	20.0
Benzo(a)anthracene	1.323	1.173		-11.338	20.0
Chrysene	1.571	1.555		-1.018	20.0
Bis(2-ethylhexyl)phthalate	0.899	0.800		-11.012	20.0
Benzo(b)fluoranthene	1.333	1.259		-5.551	20.0
Benzo(k)fluoranthene	1.536	1.537		0.065	20.0
Benzo(a)pyrene	1.262	1.188		-5.864	20.0
Indeno(1,2,3-cd)pyrene	1.528	1.395		-8.704	20.0
Dibenzo(a,h)anthracene	1.213	1.093		-9.893	20.0
Benzo(g,h,i)perylene	1.321	1.223		-7.419	20.0
1,4-Dioxane	0.527	0.492		-6.641	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.: BN070924 SAS No.: BN070924 SDG No.: BN070924

Instrument ID: BNA_N Calibration Date/Time: 7/9/2024 12:17:39

Lab File ID: BN032592.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	0.632	0.622		-1.582	50.0
Fluoranthene-d10	1.042	0.939		-9.885	50.0
n-Nitrosodimethylamine	0.382	0.343		-10.209	50.0
2-Fluorophenol	1.011	0.955		-5.539	50.0
Phenol-d6	1.292	1.191		-7.817	50.0
bis(2-Chloroethyl) ether	0.887	0.770		-13.191	50.0
Nitrobenzene-d5	0.299	0.255		-14.716	50.0
Naphthalene	1.093	1.062		-2.836	50.0
Hexachlorobutadiene	0.218	0.208		-4.587	50.0
2-Methylnaphthalene	0.731	0.717		-1.915	50.0
2-Fluorobiphenyl	1.474	1.368		-7.191	50.0
Acenaphthylene	1.723	1.502		-12.826	50.0
Acenaphthene	1.197	1.119		-6.516	50.0
Fluorene	1.569	1.451		-7.521	50.0
4,6-Dinitro-2-methylphenol	0.053	0.032		-39.623	50.0
2,4,6-Tribromophenol	0.181	0.152		-16.022	50.0
4-Bromophenyl-phenylether	0.238	0.233		-2.101	50.0
Hexachlorobenzene	0.261	0.255		-2.299	50.0
Atrazine	0.185	0.156		-15.676	50.0
Pentachlorophenol	0.088	0.071		-19.318	50.0
Phenanthrene	1.087	1.031		-5.152	50.0
Anthracene	0.874	0.774		-11.442	50.0
Fluoranthene	1.313	1.161		-11.577	50.0
Pyrene	1.627	1.753		7.744	50.0
Terphenyl-d14	0.977	1.001		2.456	50.0
Benzo(a)anthracene	1.323	1.154		-12.774	50.0
Chrysene	1.571	1.588		1.082	50.0
Bis(2-ethylhexyl)phthalate	0.899	0.823		-8.454	50.0
Benzo(b)fluoranthene	1.333	1.214		-8.927	50.0
Benzo(k)fluoranthene	1.536	1.546		0.651	50.0
Benzo(a)pyrene	1.262	1.183		-6.26	50.0
Indeno(1,2,3-cd)pyrene	1.528	1.487		-2.683	50.0
Dibenzo(a,h)anthracene	1.213	1.174		-3.215	50.0
Benzo(g,h,i)perylene	1.321	1.318		-0.227	50.0
1,4-Dioxane	0.527	0.479		-9.108	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.: BN070924 SAS No.: BN070924 SDG No.: BN070924
Instrument ID: BNA_N Calibration Date/Time: 7/9/2024 12:19:34
Lab File ID: BN032594.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	0.632	0.610		-3.481	20.0
Fluoranthene-d10	1.042	0.904		-13.244	20.0
n-Nitrosodimethylamine	0.382	0.371		-2.88	20.0
2-Fluorophenol	1.011	0.881		-12.859	20.0
Phenol-d6	1.292	1.108		-14.241	20.0
bis(2-Chloroethyl) ether	0.887	0.764		-13.867	20.0
Nitrobenzene-d5	0.299	0.244		-18.395	20.0
Naphthalene	1.093	1.053		-3.66	20.0
Hexachlorobutadiene	0.218	0.209		-4.128	20.0
2-Methylnaphthalene	0.731	0.704		-3.694	20.0
2-Fluorobiphenyl	1.474	1.390		-5.699	20.0
Acenaphthylene	1.723	1.480		-14.103	20.0
Acenaphthene	1.197	1.132		-5.43	20.0
Fluorene	1.569	1.466		-6.565	20.0
4,6-Dinitro-2-methylphenol	0.053	0.028		-47.17	20.0
2,4,6-Tribromophenol	0.181	0.146		-19.337	20.0
4-Bromophenyl-phenylether	0.238	0.231		-2.941	20.0
Hexachlorobenzene	0.261	0.259		-0.766	20.0
Atrazine	0.185	0.151		-18.378	20.0
Pentachlorophenol	0.088	0.069		-21.591	20.0
Phenanthrene	1.087	1.016		-6.532	20.0
Anthracene	0.874	0.757		-13.387	20.0
Fluoranthene	1.313	1.142		-13.024	20.0
Pyrene	1.627	1.705		4.794	20.0
Terphenyl-d14	0.977	0.966		-1.126	20.0
Benzo(a)anthracene	1.323	1.067		-19.35	20.0
Chrysene	1.571	1.655		5.347	20.0
Bis(2-ethylhexyl)phthalate	0.899	0.743		-17.353	20.0
Benzo(b)fluoranthene	1.333	1.253		-6.002	20.0
Benzo(k)fluoranthene	1.536	1.546		0.651	20.0
Benzo(a)pyrene	1.262	1.190		-5.705	20.0
Indeno(1,2,3-cd)pyrene	1.528	1.512		-1.047	20.0
Dibenzo(a,h)anthracene	1.213	1.196		-1.401	20.0
Benzo(g,h,i)perylene	1.321	1.367		3.482	20.0
1,4-Dioxane	0.527	0.506		-3.985	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.: BN070924 SAS No.: BN070924 SDG No.: BN070924
Instrument ID: BNA_N Calibration Date/Time: 7/10/2024 1:03:25
Lab File ID: BN032607.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	0.632	0.623		-1.424	50.0
Fluoranthene-d10	1.042	0.947		-9.117	50.0
n-Nitrosodimethylamine	0.382	0.349		-8.639	50.0
2-Fluorophenol	1.011	0.880		-12.957	50.0
Phenol-d6	1.292	1.135		-12.152	50.0
bis(2-Chloroethyl) ether	0.887	0.830		-6.426	50.0
Nitrobenzene-d5	0.299	0.255		-14.716	50.0
Naphthalene	1.093	1.064		-2.653	50.0
Hexachlorobutadiene	0.218	0.204		-6.422	50.0
2-Methylnaphthalene	0.731	0.721		-1.368	50.0
2-Fluorobiphenyl	1.474	1.392		-5.563	50.0
Acenaphthylene	1.723	1.494		-13.291	50.0
Acenaphthene	1.197	1.133		-5.347	50.0
Fluorene	1.569	1.470		-6.31	50.0
4,6-Dinitro-2-methylphenol	0.053	0.030		-43.396	50.0
2,4,6-Tribromophenol	0.181	0.142		-21.547	50.0
4-Bromophenyl-phenylether	0.238	0.229		-3.782	50.0
Hexachlorobenzene	0.261	0.249		-4.598	50.0
Atrazine	0.185	0.158		-14.595	50.0
Pentachlorophenol	0.088	0.062		-29.545	50.0
Phenanthrene	1.087	1.042		-4.14	50.0
Anthracene	0.874	0.773		-11.556	50.0
Fluoranthene	1.313	1.194		-9.063	50.0
Pyrene	1.627	1.662		2.151	50.0
Terphenyl-d14	0.977	0.967		-1.024	50.0
Benzo(a)anthracene	1.323	1.228		-7.181	50.0
Chrysene	1.571	1.525		-2.928	50.0
Bis(2-ethylhexyl)phthalate	0.899	0.721		-19.8	50.0
Benzo(b)fluoranthene	1.333	1.322		-0.825	50.0
Benzo(k)fluoranthene	1.536	1.560		1.563	50.0
Benzo(a)pyrene	1.262	1.197		-5.151	50.0
Indeno(1,2,3-cd)pyrene	1.528	1.447		-5.301	50.0
Dibenzo(a,h)anthracene	1.213	1.140		-6.018	50.0
Benzo(g,h,i)perylene	1.321	1.293		-2.12	50.0
1,4-Dioxane	0.527	0.468		-11.195	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.: BN070924 SAS No.: BN070924 SDG No.: BN070924

Instrument ID: BNA_N Calibration Date/Time: 7/8/2024 12:20:27

Lab File ID: BN032559.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	0.632	0.617		-2.373	20.0
Fluoranthene-d10	1.042	0.984		-5.566	20.0
n-Nitrosodimethylamine	0.382	0.362		-5.236	20.0
2-Fluorophenol	1.011	0.940		-7.023	20.0
Phenol-d6	1.292	1.202		-6.966	20.0
bis(2-Chloroethyl) ether	0.887	0.814		-8.23	20.0
Nitrobenzene-d5	0.299	0.253		-15.385	20.0
Naphthalene	1.093	1.052		-3.751	20.0
Hexachlorobutadiene	0.218	0.214		-1.835	20.0
2-Methylnaphthalene	0.731	0.709		-3.01	20.0
2-Fluorobiphenyl	1.474	1.333		-9.566	20.0
Acenaphthylene	1.723	1.507		-12.536	20.0
Acenaphthene	1.197	1.114		-6.934	20.0
Fluorene	1.569	1.473		-6.119	20.0
4,6-Dinitro-2-methylphenol	0.053	0.026		-50.943	20.0
2,4,6-Tribromophenol	0.181	0.157		-13.26	20.0
4-Bromophenyl-phenylether	0.238	0.227		-4.622	20.0
Hexachlorobenzene	0.261	0.248		-4.981	20.0
Atrazine	0.185	0.171		-7.568	20.0
Pentachlorophenol	0.088	0.071		-19.318	20.0
Phenanthrene	1.087	1.011		-6.992	20.0
Anthracene	0.874	0.800		-8.467	20.0
Fluoranthene	1.313	1.225		-6.702	20.0
Pyrene	1.627	1.556		-4.364	20.0
Terphenyl-d14	0.977	0.906		-7.267	20.0
Benzo(a)anthracene	1.323	1.249		-5.593	20.0
Chrysene	1.571	1.486		-5.411	20.0
Bis(2-ethylhexyl)phthalate	0.899	0.776		-13.682	20.0
Benzo(b)fluoranthene	1.333	1.215		-8.852	20.0
Benzo(k)fluoranthene	1.536	1.509		-1.758	20.0
Benzo(a)pyrene	1.262	1.188		-5.864	20.0
Indeno(1,2,3-cd)pyrene	1.528	1.352		-11.518	20.0
Dibenzo(a,h)anthracene	1.213	1.058		-12.778	20.0
Benzo(g,h,i)perylene	1.321	1.177		-10.901	20.0
1,4-Dioxane	0.527	0.512		-2.846	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:	ICVBN070924			SDG No.:	BN070924		
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
BN032564.D	1		7/9/2024 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	370		28	100	100	ug/L
91-20-3	Naphthalene	390		24	100	100	ug/L
87-68-3	Hexachlorobutadiene	390		26	100	100	ug/L
91-57-6	2-Methylnaphthalene	390		30	100	100	ug/L
208-96-8	Acenaphthylene	350		21	100	100	ug/L
83-32-9	Acenaphthene	380		20	100	100	ug/L
Total PAH	Total PAH	5930		456	100	1600	ug/L
86-73-7	Fluorene	380		18	100	100	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	350		140	200	200	ug/L
101-55-3	4-Bromophenyl-phenylether	380		26	100	100	ug/L
118-74-1	Hexachlorobenzene	390		29	100	100	ug/L
1912-24-9	Atrazine	340		23	100	100	ug/L
87-86-5	Pentachlorophenol	390		90	200	200	ug/L
85-01-8	Phenanthrene	370		20	100	100	ug/L
120-12-7	Anthracene	350		24	100	100	ug/L
206-44-0	Fluoranthene	360		23	100	100	ug/L
129-00-0	Pyrene	390		22	100	100	ug/L
56-55-3	Benzo(a)anthracene	330		22	100	100	ug/L
218-01-9	Chrysene	400		26	100	100	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	320		140	200	200	ug/L
205-99-2	Benzo(b)fluoranthene	350		32	100	100	ug/L
207-08-9	Benzo(k)fluoranthene	390		34	100	100	ug/L
50-32-8	Benzo(a)pyrene	370		56	100	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	370		38	100	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	370		39	100	100	ug/L
191-24-2	Benzo(g,h,i)perylene	380		37	100	100	ug/L
123-91-1	1,4-Dioxane	400		68	200	200	ug/L

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBN070924	SDG No.:	BN070924
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
BN032564.D	1		7/9/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	390	*	30-150		97500	SPK: -0.4
93951-69-0	Fluoranthene-d10	370	*	30-150		92500	SPK: -0.4
367-12-4	2-Fluorophenol	365	*	10-92		91250	SPK: -0.4
13127-88-3	Phenol-d6	371	*	10-100		92750	SPK: -0.4
4165-60-0	Nitrobenzene-d5	334	*	11-175		83500	SPK: -0.4
321-60-8	2-Fluorobiphenyl	370	*	10-175		92500	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	330	*	24-148		82500	SPK: -0.4
1718-51-0	Terphenyl-d14	372	*	54-171		93000	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4389		7.588			
1146-65-2	Naphthalene-d8	13799		10.378			
15067-26-2	Acenaphthene-d10	9647		14.231			
1517-22-2	Phenanthrene-d10	21027		17.004			
1719-03-5	Chrysene-d12	16744		21.211			
1520-96-3	Perylene-d12	16900		23.426			

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161896BL	SDG No.:	BN070924
Lab Sample ID:	PB161896BL	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
BN032565.D	1	7/3/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161896

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

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161896BL	SDG No.:	BN070924
Lab Sample ID:	PB161896BL	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
BN032565.D	1	7/3/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.387		30-150		97	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.464		30-150		116	SPK: -0.4
367-12-4	2-Fluorophenol	0.428	*	10-92		107	SPK: -0.4
13127-88-3	Phenol-d6	0.376		10-100		94	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.386		11-175		97	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.414		10-175		103	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.182		24-148		45	SPK: -0.4
1718-51-0	Terphenyl-d14	0.384		54-171		96	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3500	7.61				
1146-65-2	Naphthalene-d8	11577	10.442				
15067-26-2	Acenaphthene-d10	6937	14.263				
1517-22-2	Phenanthrene-d10	14116	17.053				
1719-03-5	Chrysene-d12	13062	21.238				
1520-96-3	Perylene-d12	12388	23.443				

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161896BS	SDG No.:	BN070924
Lab Sample ID:	PB161896BS	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
BN032566.D	1	7/3/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.38		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.35		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.38		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.39		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.38		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.34		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.38		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.99		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.37		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.33		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.39		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.39		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.34		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	0.38		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.33		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.36		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.38		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.37		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.38		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.32		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	0.41		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.37		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.39		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.39		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.4		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.4		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161896BS	SDG No.:	BN070924
Lab Sample ID:	PB161896BS	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
BN032566.D	1	7/3/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.382		30-150		95	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.364		30-150		91	SPK: -0.4
367-12-4	2-Fluorophenol	0.37	*	10-92		93	SPK: -0.4
13127-88-3	Phenol-d6	0.333		10-100		83	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.329		11-175		82	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.366		10-175		91	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.31		24-148		77	SPK: -0.4
1718-51-0	Terphenyl-d14	0.363		54-171		91	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4148	7.588				
1146-65-2	Naphthalene-d8	12940	10.378				
15067-26-2	Acenaphthene-d10	8849	14.231				
1517-22-2	Phenanthrene-d10	18601	17.004				
1719-03-5	Chrysene-d12	14856	21.211				
1520-96-3	Perylene-d12	15853	23.426				

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161896BSD	SDG No.:	BN070924
Lab Sample ID:	PB161896BSD	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
BN032567.D	1	7/3/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.38		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.36		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.39		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.39		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.39		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.35		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.38		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.92		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.38		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.34		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.38		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.38		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.36		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.38		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.38		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.35		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.38		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.37		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.34		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.41		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.31		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.38		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.4		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.37		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.35		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	0.35		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.38		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161896BSD	SDG No.:	BN070924
Lab Sample ID:	PB161896BSD	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
BN032567.D	1	7/3/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.39		30-150		97	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.385		30-150		96	SPK: -0.4
367-12-4	2-Fluorophenol	0.362		10-92		90	SPK: -0.4
13127-88-3	Phenol-d6	0.33		10-100		83	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.334		11-175		83	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.368		10-175		92	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.333		24-148		83	SPK: -0.4
1718-51-0	Terphenyl-d14	0.358		54-171		90	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4375	7.588				
1146-65-2	Naphthalene-d8	13767	10.378				
15067-26-2	Acenaphthene-d10	9772	14.231				
1517-22-2	Phenanthrene-d10	21923	17.004				
1719-03-5	Chrysene-d12	19263	21.211				
1520-96-3	Perylene-d12	19665	23.42				

Report of Analysis

Client:		Date Collected:	6/28/2024 12:00:00 AM
Project:		Date Received:	6/28/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-678-680	SDG No.:	BN070924
Lab Sample ID:	P3143-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	820 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
BN032568.D	1	7/3/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161896

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	0.03	U	0.03	0.12	0.12	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.12	0.12	ug/L
Total PAH	Total PAH	0.57	U	0.57	0.12	1.92	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.12	0.12	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.17	U	0.17	0.24	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	0.04	U	0.04	0.12	0.12	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.12	0.12	ug/L
87-86-5	Pentachlorophenol	0.11	U	0.11	0.24	0.24	ug/L
85-01-8	Phenanthrene	0.02	J	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	12.4	E	0.17	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	0.05	U	0.05	0.12	0.12	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.05	0.12	0.12	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	U	0.05	0.12	0.12	ug/L
123-91-1	1,4-Dioxane	3.8		0.08	0.24	0.24	ug/L

Report of Analysis

Client:		Date Collected:	6/28/2024 12:00:00 AM
Project:		Date Received:	6/28/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-678-680	SDG No.:	BN070924
Lab Sample ID:	P3143-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	820 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
BN032568.D	1	7/3/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.157		30-150		39	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.201		30-150		50	SPK: -0.4
367-12-4	2-Fluorophenol	0.125		10-92		31	SPK: -0.4
13127-88-3	Phenol-d6	0.097		10-100		24	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.129		11-175		32	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.171		10-175		43	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.176		24-148		44	SPK: -0.4
1718-51-0	Terphenyl-d14	0.218		54-171		54	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3974	7.588				
1146-65-2	Naphthalene-d8	13290	10.357				
15067-26-2	Acenaphthene-d10	8900	14.232				
1517-22-2	Phenanthrene-d10	19310	16.991				
1719-03-5	Chrysene-d12	14920	21.202				
1520-96-3	Perylene-d12	14342	23.417				

Report of Analysis

Client:		Date Collected:	7/1/2024 12:00:00 AM
Project:		Date Received:	7/1/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-718-720	SDG No.:	BN070924
Lab Sample ID:	P3143-04	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	780 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032569.D	1	7/3/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161896

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

Report of Analysis

Client:		Date Collected:	7/1/2024 12:00:00 AM
Project:		Date Received:	7/1/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-718-720	SDG No.:	BN070924
Lab Sample ID:	P3143-04	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	780 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032569.D	1	7/3/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.345		30-150		86	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.449		30-150		112	SPK: -0.4
367-12-4	2-Fluorophenol	0.268		10-92		67	SPK: -0.4
13127-88-3	Phenol-d6	0.168		10-100		42	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.285		11-175		71	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.345		10-175		86	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.394		24-148		98	SPK: -0.4
1718-51-0	Terphenyl-d14	0.441		54-171		110	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3655	7.595				
1146-65-2	Naphthalene-d8	12498	10.357				
15067-26-2	Acenaphthene-d10	8309	14.231				
1517-22-2	Phenanthrene-d10	18092	16.991				
1719-03-5	Chrysene-d12	16212	21.202				
1520-96-3	Perylene-d12	14982	23.42				

Report of Analysis

Client:		Date Collected:	7/2/2024 12:00:00 AM
Project:		Date Received:	7/2/2024 12:00:00 AM
Client Sample ID:	GWBR-05-425-458-070224RE	SDG No.:	BN070924
Lab Sample ID:	P3156-01RE	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032570.D	1	7/3/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.3	U	0.3	2	2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.28	U	0.28	1	1	ug/L
91-20-3	Naphthalene	0.24	U	0.24	1	1	ug/L
87-68-3	Hexachlorobutadiene	0.26	U	0.26	1	1	ug/L
91-57-6	2-Methylnaphthalene	0.3	U	0.3	1	1	ug/L
208-96-8	Acenaphthylene	0.21	U	0.21	1	1	ug/L
83-32-9	Acenaphthene	0.2	U	0.2	1	1	ug/L
Total PAH	Total PAH	4.56	U	4.56	1	16	ug/L
86-73-7	Fluorene	0.18	U	0.18	1	1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U	1.4	2	2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.26	U	0.26	1	1	ug/L
118-74-1	Hexachlorobenzene	0.29	U	0.29	1	1	ug/L
1912-24-9	Atrazine	0.23	U	0.23	1	1	ug/L
87-86-5	Pentachlorophenol	0.9	U	0.9	2	2	ug/L
85-01-8	Phenanthrene	0.28	J	0.2	1	1	ug/L
120-12-7	Anthracene	0.24	U	0.24	1	1	ug/L
206-44-0	Fluoranthene	0.26	J	0.23	1	1	ug/L
129-00-0	Pyrene	0.52	J	0.22	1	1	ug/L
56-55-3	Benzo(a)anthracene	0.24	J	0.22	1	1	ug/L
218-01-9	Chrysene	0.26	U	0.26	1	1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.4		1.4	2	2	ug/L
205-99-2	Benzo(b)fluoranthene	0.32	U	0.32	1	1	ug/L
207-08-9	Benzo(k)fluoranthene	0.34	U	0.34	1	1	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	1	1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	U	0.38	1	1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.39	U	0.39	1	1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.37	U	0.37	1	1	ug/L
123-91-1	1,4-Dioxane	2.4		0.68	2	2	ug/L

Report of Analysis

Client:		Date Collected:	7/2/2024 12:00:00 AM
Project:		Date Received:	7/2/2024 12:00:00 AM
Client Sample ID:	GWBR-05-425-458-070224RE	SDG No.:	BN070924
Lab Sample ID:	P3156-01RE	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032570.D	1	7/3/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.355		30-150		89	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.341		30-150		85	SPK: -0.4
367-12-4	2-Fluorophenol	0.315		10-92		79	SPK: -0.4
13127-88-3	Phenol-d6	0.255		10-100		64	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.272		11-175		68	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.339		10-175		85	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.325		24-148		81	SPK: -0.4
1718-51-0	Terphenyl-d14	0.319		54-171		80	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6214	7.588				
1146-65-2	Naphthalene-d8	20912	10.357				
15067-26-2	Acenaphthene-d10	14339	14.231				
1517-22-2	Phenanthrene-d10	28414	16.991				
1719-03-5	Chrysene-d12	19023	21.202				
1520-96-3	Perylene-d12	19161	23.411				

Report of Analysis

Client:		Date Collected:	7/2/2024 12:00:00 AM
Project:		Date Received:	7/2/2024 12:00:00 AM
Client Sample ID:	EB-01-070224RE	SDG No.:	BN070924
Lab Sample ID:	P3156-03RE	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	740 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032571.D	1	7/3/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161896

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

Report of Analysis

Client:		Date Collected:	7/2/2024 12:00:00 AM
Project:		Date Received:	7/2/2024 12:00:00 AM
Client Sample ID:	EB-01-070224RE	SDG No.:	BN070924
Lab Sample ID:	P3156-03RE	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	740 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032571.D	1	7/3/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.411		30-150		103	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.464		30-150		116	SPK: -0.4
367-12-4	2-Fluorophenol	0.247		10-92		62	SPK: -0.4
13127-88-3	Phenol-d6	0.118		10-100		29	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.351		11-175		88	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.344		10-175		86	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.351		24-148		88	SPK: -0.4
1718-51-0	Terphenyl-d14	0.436		54-171		109	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3300	7.596				
1146-65-2	Naphthalene-d8	10785	10.378				
15067-26-2	Acenaphthene-d10	8118	14.242				
1517-22-2	Phenanthrene-d10	19235	17.004				
1719-03-5	Chrysene-d12	17734	21.22				
1520-96-3	Perylene-d12	10517	23.437				

Report of Analysis

Client:		Date Collected:	7/1/2024 12:00:00 AM
Project:		Date Received:	7/1/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-810-812	SDG No.:	BN070924
Lab Sample ID:	P3167-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032572.D	1	7/5/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.3	U	0.3	2	2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.28	U	0.28	1	1	ug/L
91-20-3	Naphthalene	1.1		0.24	1	1	ug/L
87-68-3	Hexachlorobutadiene	0.26	U	0.26	1	1	ug/L
91-57-6	2-Methylnaphthalene	0.3	U	0.3	1	1	ug/L
208-96-8	Acenaphthylene	0.21	U	0.21	1	1	ug/L
83-32-9	Acenaphthene	0.2	U	0.2	1	1	ug/L
Total PAH	Total PAH	4.56	U	4.56	1	16	ug/L
86-73-7	Fluorene	0.18	U	0.18	1	1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U	1.4	2	2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.26	U	0.26	1	1	ug/L
118-74-1	Hexachlorobenzene	0.29	U	0.29	1	1	ug/L
1912-24-9	Atrazine	0.23	U	0.23	1	1	ug/L
87-86-5	Pentachlorophenol	0.9	U	0.9	2	2	ug/L
85-01-8	Phenanthrene	0.39	J	0.2	1	1	ug/L
120-12-7	Anthracene	0.24	U	0.24	1	1	ug/L
206-44-0	Fluoranthene	0.23	U	0.23	1	1	ug/L
129-00-0	Pyrene	0.22	U	0.22	1	1	ug/L
56-55-3	Benzo(a)anthracene	0.22	U	0.22	1	1	ug/L
218-01-9	Chrysene	0.26	U	0.26	1	1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	28.6		1.4	2	2	ug/L
205-99-2	Benzo(b)fluoranthene	0.32	U	0.32	1	1	ug/L
207-08-9	Benzo(k)fluoranthene	0.34	U	0.34	1	1	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	1	1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	U	0.38	1	1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.39	U	0.39	1	1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.37	U	0.37	1	1	ug/L
123-91-1	1,4-Dioxane	0.68	U	0.68	2	2	ug/L

Report of Analysis

Client:		Date Collected:	7/1/2024 12:00:00 AM
Project:		Date Received:	7/1/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-810-812	SDG No.:	BN070924
Lab Sample ID:	P3167-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032572.D	1	7/5/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.311		30-150		78	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.247		30-150		62	SPK: -0.4
367-12-4	2-Fluorophenol	0.222		10-92		56	SPK: -0.4
13127-88-3	Phenol-d6	0.205		10-100		51	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.258		11-175		64	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.3		10-175		75	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.263		24-148		66	SPK: -0.4
1718-51-0	Terphenyl-d14	0.283		54-171		71	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5480	7.588				
1146-65-2	Naphthalene-d8	18826	10.357				
15067-26-2	Acenaphthene-d10	12418	14.231				
1517-22-2	Phenanthrene-d10	26244	16.991				
1719-03-5	Chrysene-d12	23331	21.202				
1520-96-3	Perylene-d12	21600	23.414				

Report of Analysis

Client:		Date Collected:	7/5/2024 12:00:00 AM
Project:		Date Received:	7/5/2024 12:00:00 AM
Client Sample ID:	PB161930BL	SDG No.:	BN070924
Lab Sample ID:	PB161930BL	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
BN032576.D	1	7/5/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161930

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

Report of Analysis

Client:		Date Collected:	7/5/2024 12:00:00 AM
Project:		Date Received:	7/5/2024 12:00:00 AM
Client Sample ID:	PB161930BL	SDG No.:	BN070924
Lab Sample ID:	PB161930BL	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
BN032576.D	1	7/5/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.344		30-150		86	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.357		30-150		89	SPK: -0.4
367-12-4	2-Fluorophenol	0.396	*	10-92		99	SPK: -0.4
13127-88-3	Phenol-d6	0.369		10-100		92	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.328		11-175		82	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.334		10-175		83	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.282		24-148		70	SPK: -0.4
1718-51-0	Terphenyl-d14	0.338		54-171		84	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3814	7.61				
1146-65-2	Naphthalene-d8	12348	10.442				
15067-26-2	Acenaphthene-d10	7850	14.263				
1517-22-2	Phenanthrene-d10	16228	17.041				
1719-03-5	Chrysene-d12	13652	21.229				
1520-96-3	Perylene-d12	13651	23.443				

Report of Analysis

Client:		Date Collected:	7/1/2024 12:00:00 AM
Project:		Date Received:	7/1/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-820-822	SDG No.:	BN070924
Lab Sample ID:	P3167-05	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032577.D	1	7/5/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.3	U	0.3	2	2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.28	U	0.28	1	1	ug/L
91-20-3	Naphthalene	0.29	J	0.24	1	1	ug/L
87-68-3	Hexachlorobutadiene	0.26	U	0.26	1	1	ug/L
91-57-6	2-Methylnaphthalene	0.3	U	0.3	1	1	ug/L
208-96-8	Acenaphthylene	0.21	U	0.21	1	1	ug/L
83-32-9	Acenaphthene	0.2	U	0.2	1	1	ug/L
Total PAH	Total PAH	4.56	U	4.56	1	16	ug/L
86-73-7	Fluorene	0.23	J	0.18	1	1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U	1.4	2	2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.26	U	0.26	1	1	ug/L
118-74-1	Hexachlorobenzene	0.29	U	0.29	1	1	ug/L
1912-24-9	Atrazine	0.23	U	0.23	1	1	ug/L
87-86-5	Pentachlorophenol	0.9	U	0.9	2	2	ug/L
85-01-8	Phenanthrene	0.28	J	0.2	1	1	ug/L
120-12-7	Anthracene	0.24	U	0.24	1	1	ug/L
206-44-0	Fluoranthene	0.23	U	0.23	1	1	ug/L
129-00-0	Pyrene	0.22	U	0.22	1	1	ug/L
56-55-3	Benzo(a)anthracene	0.22	U	0.22	1	1	ug/L
218-01-9	Chrysene	0.26	U	0.26	1	1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.3		1.4	2	2	ug/L
205-99-2	Benzo(b)fluoranthene	0.32	U	0.32	1	1	ug/L
207-08-9	Benzo(k)fluoranthene	0.34	U	0.34	1	1	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	1	1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	U	0.38	1	1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.39	U	0.39	1	1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.37	U	0.37	1	1	ug/L
123-91-1	1,4-Dioxane	0.84	J	0.68	2	2	ug/L

Report of Analysis

Client:		Date Collected:	7/1/2024 12:00:00 AM
Project:		Date Received:	7/1/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-820-822	SDG No.:	BN070924
Lab Sample ID:	P3167-05	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032577.D	1	7/5/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.283		30-150		71	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.283		30-150		71	SPK: -0.4
367-12-4	2-Fluorophenol	0.323		10-92		81	SPK: -0.4
13127-88-3	Phenol-d6	0.236		10-100		59	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.278		11-175		69	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.454		10-175		113	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.393		24-148		98	SPK: -0.4
1718-51-0	Terphenyl-d14	0.463		54-171		116	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5832	7.588				
1146-65-2	Naphthalene-d8	18693	10.368				
15067-26-2	Acenaphthene-d10	7965	14.231				
1517-22-2	Phenanthrene-d10	21136	17.004				
1719-03-5	Chrysene-d12	13313	21.211				
1520-96-3	Perylene-d12	1684	23.432				

Report of Analysis

Client:		Date Collected:	7/2/2024 12:00:00 AM
Project:		Date Received:	7/2/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-840-842	SDG No.:	BN070924
Lab Sample ID:	P3167-06	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032578.D	1	7/5/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.3	U	0.3	2	2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.28	U	0.28	1	1	ug/L
91-20-3	Naphthalene	0.24	U	0.24	1	1	ug/L
87-68-3	Hexachlorobutadiene	0.26	U	0.26	1	1	ug/L
91-57-6	2-Methylnaphthalene	0.3	U	0.3	1	1	ug/L
208-96-8	Acenaphthylene	0.21	U	0.21	1	1	ug/L
83-32-9	Acenaphthene	0.2	U	0.2	1	1	ug/L
Total PAH	Total PAH	4.56	U	4.56	1	16	ug/L
86-73-7	Fluorene	0.18	U	0.18	1	1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U	1.4	2	2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.26	U	0.26	1	1	ug/L
118-74-1	Hexachlorobenzene	0.29	U	0.29	1	1	ug/L
1912-24-9	Atrazine	0.23	U	0.23	1	1	ug/L
87-86-5	Pentachlorophenol	0.9	U	0.9	2	2	ug/L
85-01-8	Phenanthrene	0.2	U	0.2	1	1	ug/L
120-12-7	Anthracene	0.24	U	0.24	1	1	ug/L
206-44-0	Fluoranthene	0.23	U	0.23	1	1	ug/L
129-00-0	Pyrene	0.22	U	0.22	1	1	ug/L
56-55-3	Benzo(a)anthracene	0.22	U	0.22	1	1	ug/L
218-01-9	Chrysene	0.26	U	0.26	1	1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	9.8		1.4	2	2	ug/L
205-99-2	Benzo(b)fluoranthene	0.32	U	0.32	1	1	ug/L
207-08-9	Benzo(k)fluoranthene	0.34	U	0.34	1	1	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	1	1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	U	0.38	1	1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.39	U	0.39	1	1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.37	U	0.37	1	1	ug/L
123-91-1	1,4-Dioxane	0.68	U	0.68	2	2	ug/L

Report of Analysis

Client:		Date Collected:	7/2/2024 12:00:00 AM
Project:		Date Received:	7/2/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-840-842	SDG No.:	BN070924
Lab Sample ID:	P3167-06	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032578.D	1	7/5/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.309		30-150		77	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.26		30-150		65	SPK: -0.4
367-12-4	2-Fluorophenol	0.08		10-92		20	SPK: -0.4
13127-88-3	Phenol-d6	0.074		10-100		19	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.258		11-175		64	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.302		10-175		75	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.063	*	24-148		16	SPK: -0.4
1718-51-0	Terphenyl-d14	0.307		54-171		77	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4525	7.588				
1146-65-2	Naphthalene-d8	15344	10.368				
15067-26-2	Acenaphthene-d10	10209	14.231				
1517-22-2	Phenanthrene-d10	22934	17.004				
1719-03-5	Chrysene-d12	18858	21.202				
1520-96-3	Perylene-d12	17183	23.42				

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-865-867	SDG No.:	BN070924
Lab Sample ID:	P3167-07	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032579.D	1	7/5/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.3	U	0.3	2	2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.28	U	0.28	1	1	ug/L
91-20-3	Naphthalene	0.24	U	0.24	1	1	ug/L
87-68-3	Hexachlorobutadiene	0.26	U	0.26	1	1	ug/L
91-57-6	2-Methylnaphthalene	0.3	U	0.3	1	1	ug/L
208-96-8	Acenaphthylene	0.21	U	0.21	1	1	ug/L
83-32-9	Acenaphthene	0.2	U	0.2	1	1	ug/L
Total PAH	Total PAH	4.56	U	4.56	1	16	ug/L
86-73-7	Fluorene	0.18	U	0.18	1	1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U	1.4	2	2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.26	U	0.26	1	1	ug/L
118-74-1	Hexachlorobenzene	0.29	U	0.29	1	1	ug/L
1912-24-9	Atrazine	0.23	U	0.23	1	1	ug/L
87-86-5	Pentachlorophenol	0.9	U	0.9	2	2	ug/L
85-01-8	Phenanthrene	0.2	U	0.2	1	1	ug/L
120-12-7	Anthracene	0.24	U	0.24	1	1	ug/L
206-44-0	Fluoranthene	0.23	U	0.23	1	1	ug/L
129-00-0	Pyrene	0.22	U	0.22	1	1	ug/L
56-55-3	Benzo(a)anthracene	0.22	U	0.22	1	1	ug/L
218-01-9	Chrysene	0.26	U	0.26	1	1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	38.8		1.4	2	2	ug/L
205-99-2	Benzo(b)fluoranthene	0.32	U	0.32	1	1	ug/L
207-08-9	Benzo(k)fluoranthene	0.34	U	0.34	1	1	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	1	1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	U	0.38	1	1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.39	U	0.39	1	1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.37	U	0.37	1	1	ug/L
123-91-1	1,4-Dioxane	0.68	U	0.68	2	2	ug/L

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-865-867	SDG No.:	BN070924
Lab Sample ID:	P3167-07	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032579.D	1	7/5/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.274		30-150		68	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.331		30-150		83	SPK: -0.4
367-12-4	2-Fluorophenol	0.245		10-92		61	SPK: -0.4
13127-88-3	Phenol-d6	0.192		10-100		48	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.222		11-175		56	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.259		10-175		65	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.264		24-148		66	SPK: -0.4
1718-51-0	Terphenyl-d14	0.336		54-171		84	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3956	7.588				
1146-65-2	Naphthalene-d8	13432	10.368				
15067-26-2	Acenaphthene-d10	9392	14.231				
1517-22-2	Phenanthrene-d10	20075	17.004				
1719-03-5	Chrysene-d12	17819	21.211				
1520-96-3	Perylene-d12	16336	23.423				

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	VPB196-HYD-20240703	SDG No.:	BN070924
Lab Sample ID:	P3167-08	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	890 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032580.D	1	7/5/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161930

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	J	0.08	0.22	0.22	ug/L

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	VPB196-HYD-20240703	SDG No.:	BN070924
Lab Sample ID:	P3167-08	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	890 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032580.D	1	7/5/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.004	*	30-150		1	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.205		30-150		51	SPK: -0.4
367-12-4	2-Fluorophenol	0.05		10-92		13	SPK: -0.4
13127-88-3	Phenol-d6	0.008	*	10-100		2	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.262		11-175		65	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.304		10-175		76	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.271		24-148		68	SPK: -0.4
1718-51-0	Terphenyl-d14	0.449		54-171		112	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4318	7.588				
1146-65-2	Naphthalene-d8	13228	10.389				
15067-26-2	Acenaphthene-d10	10062	14.242				
1517-22-2	Phenanthrene-d10	22246	17.016				
1719-03-5	Chrysene-d12	17711	21.211				
1520-96-3	Perylene-d12	10573	23.431				

Report of Analysis

Client:		Date Collected:	7/1/2024 12:00:00 AM
Project:		Date Received:	7/1/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-EB-20240701	SDG No.:	BN070924
Lab Sample ID:	P3167-09	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
BN032581.D	1	7/5/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161930

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	2.7		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:	7/1/2024 12:00:00 AM
Project:		Date Received:	7/1/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-EB-20240701	SDG No.:	BN070924
Lab Sample ID:	P3167-09	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
BN032581.D	1	7/5/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161930

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	0.377		30-150		94	SPK: -0.4
367-12-4	2-Fluorophenol	0.204		10-92		51	SPK: -0.4
13127-88-3	Phenol-d6	0.083		10-100		21	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.237		11-175		59	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.278		10-175		69	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.291		24-148		73	SPK: -0.4
1718-51-0	Terphenyl-d14	0.418		54-171		104	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3526	7.596				
1146-65-2	Naphthalene-d8	11537	10.389				
15067-26-2	Acenaphthene-d10	8991	14.242				
1517-22-2	Phenanthrene-d10	19929	17.004				
1719-03-5	Chrysene-d12	15599	21.211				
1520-96-3	Perylene-d12	14416	23.434				

Report of Analysis

Client:		Date Collected:	7/2/2024 12:00:00 AM
Project:		Date Received:	7/2/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-DUP-20240702	SDG No.:	BN070924
Lab Sample ID:	P3167-10	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032582.D	1	7/5/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.3	U	0.3	2	2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.28	U	0.28	1	1	ug/L
91-20-3	Naphthalene	0.38	J	0.24	1	1	ug/L
87-68-3	Hexachlorobutadiene	0.26	U	0.26	1	1	ug/L
91-57-6	2-Methylnaphthalene	0.3	U	0.3	1	1	ug/L
208-96-8	Acenaphthylene	0.21	U	0.21	1	1	ug/L
83-32-9	Acenaphthene	0.2	U	0.2	1	1	ug/L
Total PAH	Total PAH	4.56	U	4.56	1	16	ug/L
86-73-7	Fluorene	0.18	U	0.18	1	1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U	1.4	2	2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.26	U	0.26	1	1	ug/L
118-74-1	Hexachlorobenzene	0.29	U	0.29	1	1	ug/L
1912-24-9	Atrazine	0.23	U	0.23	1	1	ug/L
87-86-5	Pentachlorophenol	0.9	U	0.9	2	2	ug/L
85-01-8	Phenanthrene	0.32	J	0.2	1	1	ug/L
120-12-7	Anthracene	0.24	U	0.24	1	1	ug/L
206-44-0	Fluoranthene	0.23	U	0.23	1	1	ug/L
129-00-0	Pyrene	0.22	U	0.22	1	1	ug/L
56-55-3	Benzo(a)anthracene	0.22	U	0.22	1	1	ug/L
218-01-9	Chrysene	0.26	U	0.26	1	1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	25.8		1.4	2	2	ug/L
205-99-2	Benzo(b)fluoranthene	0.32	U	0.32	1	1	ug/L
207-08-9	Benzo(k)fluoranthene	0.34	U	0.34	1	1	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	1	1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	U	0.38	1	1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.39	U	0.39	1	1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.37	U	0.37	1	1	ug/L
123-91-1	1,4-Dioxane	1.3	J	0.68	2	2	ug/L

Report of Analysis

Client:		Date Collected:	7/2/2024 12:00:00 AM
Project:		Date Received:	7/2/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-DUP-20240702	SDG No.:	BN070924
Lab Sample ID:	P3167-10	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032582.D	1	7/5/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.319		30-150		80	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.204		30-150		51	SPK: -0.4
367-12-4	2-Fluorophenol	0.243		10-92		61	SPK: -0.4
13127-88-3	Phenol-d6	0.177		10-100		44	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.284		11-175		71	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.334		10-175		83	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.292		24-148		73	SPK: -0.4
1718-51-0	Terphenyl-d14	0.268		54-171		67	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4397	7.588				
1146-65-2	Naphthalene-d8	15542	10.357				
15067-26-2	Acenaphthene-d10	9707	14.231				
1517-22-2	Phenanthrene-d10	21842	16.991				
1719-03-5	Chrysene-d12	15554	21.202				
1520-96-3	Perylene-d12	9064	23.42				

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-725-727	SDG No.:	BN070924
Lab Sample ID:	P3127-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	760 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032583.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.26	0.26	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.13	0.13	ug/L
91-20-3	Naphthalene	0.05	J	0.03	0.13	0.13	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.13	0.13	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.13	0.13	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.13	0.13	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.13	0.13	ug/L
Total PAH	Total PAH	0.59	U	0.59	0.13	2.08	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.13	0.13	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.18	U	0.18	0.26	0.26	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.13	0.13	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	0.13	0.13	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.13	0.13	ug/L
87-86-5	Pentachlorophenol	0.12	U	0.12	0.26	0.26	ug/L
85-01-8	Phenanthrene	0.03	U	0.03	0.13	0.13	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.13	0.13	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.13	0.13	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.13	0.13	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.13	0.13	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.13	0.13	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.46		0.18	0.26	0.26	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.13	0.13	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.13	0.13	ug/L
50-32-8	Benzo(a)pyrene	0.07	U	0.07	0.13	0.13	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.05	U	0.05	0.13	0.13	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.05	0.13	0.13	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	U	0.05	0.13	0.13	ug/L
123-91-1	1,4-Dioxane	0.13	J	0.09	0.26	0.26	ug/L

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-725-727	SDG No.:	BN070924
Lab Sample ID:	P3127-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	760 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032583.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.309		30-150		77	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.38		30-150		95	SPK: -0.4
367-12-4	2-Fluorophenol	0.209		10-92		52	SPK: -0.4
13127-88-3	Phenol-d6	0.122		10-100		31	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.242		11-175		60	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.362		10-175		90	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.407		24-148		102	SPK: -0.4
1718-51-0	Terphenyl-d14	0.63		54-171		157	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4108	7.588				
1146-65-2	Naphthalene-d8	14131	10.357				
15067-26-2	Acenaphthene-d10	9416	14.231				
1517-22-2	Phenanthrene-d10	21690	16.991				
1719-03-5	Chrysene-d12	17588	21.211				
1520-96-3	Perylene-d12	10848	23.429				

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-745-747	SDG No.:	BN070924
Lab Sample ID:	P3127-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	740 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032584.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.27	0.27	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.14	0.14	ug/L
91-20-3	Naphthalene	0.05	J	0.03	0.14	0.14	ug/L
87-68-3	Hexachlorobutadiene	0.04	U	0.04	0.14	0.14	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.14	0.14	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.14	0.14	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.14	0.14	ug/L
Total PAH	Total PAH	0.62	U	0.62	0.14	2.24	ug/L
86-73-7	Fluorene	0.03	J	0.02	0.14	0.14	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	0.19	0.27	0.27	ug/L
101-55-3	4-Bromophenyl-phenylether	0.04	U	0.04	0.14	0.14	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	0.14	0.14	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.14	0.14	ug/L
87-86-5	Pentachlorophenol	0.12	U	0.12	0.27	0.27	ug/L
85-01-8	Phenanthrene	0.03	J	0.03	0.14	0.14	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.14	0.14	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.14	0.14	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.14	0.14	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.14	0.14	ug/L
218-01-9	Chrysene	0.04	U	0.04	0.14	0.14	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.43		0.19	0.27	0.27	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.14	0.14	ug/L
207-08-9	Benzo(k)fluoranthene	0.05	U	0.05	0.14	0.14	ug/L
50-32-8	Benzo(a)pyrene	0.08	U	0.08	0.14	0.14	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.05	U	0.05	0.14	0.14	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.05	0.14	0.14	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	U	0.05	0.14	0.14	ug/L
123-91-1	1,4-Dioxane	0.65		0.09	0.27	0.27	ug/L

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-745-747	SDG No.:	BN070924
Lab Sample ID:	P3127-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	740 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032584.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.281		30-150		70	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.232		30-150		58	SPK: -0.4
367-12-4	2-Fluorophenol	0.224		10-92		56	SPK: -0.4
13127-88-3	Phenol-d6	0.083		10-100		21	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.22		11-175		55	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.704	*	10-175		176	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.691	*	24-148		173	SPK: -0.4
1718-51-0	Terphenyl-d14	0.719	*	54-171		180	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4127		7.588			
1146-65-2	Naphthalene-d8	14100		10.368			
15067-26-2	Acenaphthene-d10	4366		14.231			
1517-22-2	Phenanthrene-d10	18683		16.991			
1719-03-5	Chrysene-d12	8410		21.211			
1520-96-3	Perylene-d12	8		23.42			

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-EB-20240625	SDG No.:	BN070924
Lab Sample ID:	P3127-04	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
BN032585.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

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

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-EB-20240625	SDG No.:	BN070924
Lab Sample ID:	P3127-04	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
BN032585.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30-150		80	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.362		30-150		90	SPK: -0.4
367-12-4	2-Fluorophenol	0.184		10-92		46	SPK: -0.4
13127-88-3	Phenol-d6	0.067		10-100		17	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.272		11-175		68	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.344		10-175		86	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.288		24-148		72	SPK: -0.4
1718-51-0	Terphenyl-d14	0.428		54-171		107	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4201	7.588				
1146-65-2	Naphthalene-d8	12612	10.378				
15067-26-2	Acenaphthene-d10	8984	14.231				
1517-22-2	Phenanthrene-d10	17742	17.004				
1719-03-5	Chrysene-d12	13822	21.211				
1520-96-3	Perylene-d12	14600	23.431				

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	VPB196-HYD-20240624	SDG No.:	BN070924
Lab Sample ID:	P3127-05	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
BN032586.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

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	0.08	U	0.08	0.24	0.24	ug/L

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	VPB196-HYD-20240624	SDG No.:	BN070924
Lab Sample ID:	P3127-05	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
BN032586.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.009	*	30-150		2	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.107	*	30-150		27	SPK: -0.4
367-12-4	2-Fluorophenol	0.009	*	10-92		2	SPK: -0.4
13127-88-3	Phenol-d6	0	U	10-100		0	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.25		11-175		63	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.299		10-175		75	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.257		24-148		64	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	3925	7.588				
1146-65-2	Naphthalene-d8	11930	10.379				
15067-26-2	Acenaphthene-d10	9453	14.242				
1517-22-2	Phenanthrene-d10	20430	17.004				
1719-03-5	Chrysene-d12	14772	21.22				
1520-96-3	Perylene-d12	13113	23.437				

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-770-772	SDG No.:	BN070924
Lab Sample ID:	P3127-06	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032587.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.3	U	0.3	2	2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.28	U	0.28	1	1	ug/L
91-20-3	Naphthalene	0.24	U	0.24	1	1	ug/L
87-68-3	Hexachlorobutadiene	0.26	U	0.26	1	1	ug/L
91-57-6	2-Methylnaphthalene	0.3	U	0.3	1	1	ug/L
208-96-8	Acenaphthylene	0.21	U	0.21	1	1	ug/L
83-32-9	Acenaphthene	0.2	U	0.2	1	1	ug/L
Total PAH	Total PAH	4.56	U	4.56	1	16	ug/L
86-73-7	Fluorene	0.18	U	0.18	1	1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U	1.4	2	2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.26	U	0.26	1	1	ug/L
118-74-1	Hexachlorobenzene	0.29	U	0.29	1	1	ug/L
1912-24-9	Atrazine	0.23	U	0.23	1	1	ug/L
87-86-5	Pentachlorophenol	0.9	U	0.9	2	2	ug/L
85-01-8	Phenanthrene	0.24	J	0.2	1	1	ug/L
120-12-7	Anthracene	0.24	U	0.24	1	1	ug/L
206-44-0	Fluoranthene	0.23	U	0.23	1	1	ug/L
129-00-0	Pyrene	0.23	J	0.22	1	1	ug/L
56-55-3	Benzo(a)anthracene	0.22	U	0.22	1	1	ug/L
218-01-9	Chrysene	0.26	U	0.26	1	1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	14.9		1.4	2	2	ug/L
205-99-2	Benzo(b)fluoranthene	0.32	U	0.32	1	1	ug/L
207-08-9	Benzo(k)fluoranthene	0.34	U	0.34	1	1	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	1	1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	U	0.38	1	1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.39	U	0.39	1	1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.37	U	0.37	1	1	ug/L
123-91-1	1,4-Dioxane	0.83	J	0.68	2	2	ug/L

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	BP-VPB-196-GW-770-772	SDG No.:	BN070924
Lab Sample ID:	P3127-06	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032587.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.327		30-150		82	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.295		30-150		74	SPK: -0.4
367-12-4	2-Fluorophenol	0.239		10-92		60	SPK: -0.4
13127-88-3	Phenol-d6	0.219		10-100		55	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.306		11-175		76	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.345		10-175		86	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.263		24-148		66	SPK: -0.4
1718-51-0	Terphenyl-d14	0.408		54-171		102	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3783	7.588				
1146-65-2	Naphthalene-d8	13024	10.368				
15067-26-2	Acenaphthene-d10	8902	14.231				
1517-22-2	Phenanthrene-d10	18943	16.991				
1719-03-5	Chrysene-d12	14409	21.202				
1520-96-3	Perylene-d12	13901	23.42				

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-610-612	SDG No.:	BN070924
Lab Sample ID:	P3128-02	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
BN032588.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.23	0.23	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.11	0.11	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.11	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.11	0.11	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.11	0.11	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.11	0.11	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.11	0.11	ug/L
Total PAH	Total PAH	0.52	U	0.52	0.11	1.76	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.11	0.11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.16	U	0.16	0.23	0.23	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.11	0.11	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.11	0.11	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.11	0.11	ug/L
87-86-5	Pentachlorophenol	0.1	U	0.1	0.23	0.23	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.11	0.11	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.11	0.11	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.11	0.11	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.11	0.11	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.11	0.11	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.11	0.11	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.16	U	0.16	0.23	0.23	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.11	0.11	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.11	0.11	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.11	0.11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.11	0.11	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.11	0.11	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.11	0.11	ug/L
123-91-1	1,4-Dioxane	5.4		0.08	0.23	0.23	ug/L

Report of Analysis

Client:		Date Collected:	6/25/2024 12:00:00 AM
Project:		Date Received:	6/25/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-610-612	SDG No.:	BN070924
Lab Sample ID:	P3128-02	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
BN032588.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.269		30-150		67	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.34		30-150		85	SPK: -0.4
367-12-4	2-Fluorophenol	0.186		10-92		47	SPK: -0.4
13127-88-3	Phenol-d6	0.074		10-100		19	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.231		11-175		58	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.28		10-175		70	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.285		24-148		71	SPK: -0.4
1718-51-0	Terphenyl-d14	0.387		54-171		97	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4166	7.588				
1146-65-2	Naphthalene-d8	13369	10.368				
15067-26-2	Acenaphthene-d10	8454	14.231				
1517-22-2	Phenanthrene-d10	16823	17.004				
1719-03-5	Chrysene-d12	14035	21.211				
1520-96-3	Perylene-d12	14860	23.429				

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	VPB189-HYD-20240626	SDG No.:	BN070924
Lab Sample ID:	P3128-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	880 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032589.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.23	0.23	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.11	0.11	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.11	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.11	0.11	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.11	0.11	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.11	0.11	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.11	0.11	ug/L
Total PAH	Total PAH	0.52	U	0.52	0.11	1.76	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.11	0.11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.16	U	0.16	0.23	0.23	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.11	0.11	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.11	0.11	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.11	0.11	ug/L
87-86-5	Pentachlorophenol	0.1	U	0.1	0.23	0.23	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.11	0.11	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.11	0.11	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.11	0.11	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.11	0.11	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.11	0.11	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.11	0.11	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.16	U	0.16	0.23	0.23	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.11	0.11	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.11	0.11	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.11	0.11	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.11	0.11	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.11	0.11	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.11	0.11	ug/L
123-91-1	1,4-Dioxane	0.93		0.08	0.23	0.23	ug/L

Report of Analysis

Client:		Date Collected:	6/26/2024 12:00:00 AM
Project:		Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	VPB189-HYD-20240626	SDG No.:	BN070924
Lab Sample ID:	P3128-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	880 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032589.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.006	*	30-150		1	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.158		30-150		40	SPK: -0.4
367-12-4	2-Fluorophenol	0.016	*	10-92		4	SPK: -0.4
13127-88-3	Phenol-d6	0	U	10-100		0	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.233		11-175		58	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.27		10-175		68	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.175		24-148		44	SPK: -0.4
1718-51-0	Terphenyl-d14	0.427		54-171		107	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3733		7.588			
1146-65-2	Naphthalene-d8	11006		10.389			
15067-26-2	Acenaphthene-d10	8718		14.242			
1517-22-2	Phenanthrene-d10	18659		17.016			
1719-03-5	Chrysene-d12	13027		21.22			
1520-96-3	Perylene-d12	11678		23.44			

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	VPB189-HYD-20240703	SDG No.:	BN070924
Lab Sample ID:	P3173-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032590.D	1	7/9/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.21	0.21	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.02	U	0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.1	0.1	ug/L
Total PAH	Total PAH	0.46	U	0.46	0.1	1.6	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.21	0.21	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.09	U	0.09	0.21	0.21	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.02	U	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.14	U	0.14	0.21	0.21	ug/L
205-99-2	Benzo(b)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.96		0.07	0.21	0.21	ug/L

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	VPB189-HYD-20240703	SDG No.:	BN070924
Lab Sample ID:	P3173-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032590.D	1	7/9/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.006	*	30-150		1	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.32		30-150		80	SPK: -0.4
367-12-4	2-Fluorophenol	0.111		10-92		28	SPK: -0.4
13127-88-3	Phenol-d6	0	U	10-100		0	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.321		11-175		80	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.376		10-175		94	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.296		24-148		74	SPK: -0.4
1718-51-0	Terphenyl-d14	0.435		54-171		109	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3740	7.588				
1146-65-2	Naphthalene-d8	11014	10.378				
15067-26-2	Acenaphthene-d10	7286	14.242				
1517-22-2	Phenanthrene-d10	13936	17.016				
1719-03-5	Chrysene-d12	11615	21.22				
1520-96-3	Perylene-d12	12250	23.44				

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-763-765	SDG No.:	BN070924
Lab Sample ID:	P3173-04	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032591.D	1	7/9/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.21	0.21	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.02	U	0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.1	0.1	ug/L
Total PAH	Total PAH	0.46	U	0.46	0.1	1.6	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.21	0.21	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.18	J	0.09	0.21	0.21	ug/L
85-01-8	Phenanthrene	0.04	J	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	0.03	J	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	2.6		0.14	0.21	0.21	ug/L
205-99-2	Benzo(b)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.29		0.07	0.21	0.21	ug/L

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-763-765	SDG No.:	BN070924
Lab Sample ID:	P3173-04	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032591.D	1	7/9/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.178		30-150		44	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.196		30-150		49	SPK: -0.4
367-12-4	2-Fluorophenol	0.06		10-92		15	SPK: -0.4
13127-88-3	Phenol-d6	0.048		10-100		12	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.164		11-175		41	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.173		10-175		43	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.086	*	24-148		22	SPK: -0.4
1718-51-0	Terphenyl-d14	0.181	*	54-171		45	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3951	7.588				
1146-65-2	Naphthalene-d8	13398	10.357				
15067-26-2	Acenaphthene-d10	9304	14.22				
1517-22-2	Phenanthrene-d10	19578	16.991				
1719-03-5	Chrysene-d12	15442	21.211				
1520-96-3	Perylene-d12	14141	23.422				

Report of Analysis

Client:		Date Collected:	6/28/2024 12:00:00 AM
Project:		Date Received:	6/28/2024 12:00:00 AM
Client Sample ID:	PB161831BL	SDG No.:	BN070924
Lab Sample ID:	PB161831BL	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
BN032595.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

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:	6/28/2024 12:00:00 AM
Project:		Date Received:	6/28/2024 12:00:00 AM
Client Sample ID:	PB161831BL	SDG No.:	BN070924
Lab Sample ID:	PB161831BL	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
BN032595.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.359		30-150		90	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.375		30-150		94	SPK: -0.4
367-12-4	2-Fluorophenol	0.36		10-92		90	SPK: -0.4
13127-88-3	Phenol-d6	0.351		10-100		88	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.344		11-175		86	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.343		10-175		86	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.208		24-148		52	SPK: -0.4
1718-51-0	Terphenyl-d14	0.354		54-171		88	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4050	7.61				
1146-65-2	Naphthalene-d8	12171	10.432				
15067-26-2	Acenaphthene-d10	7877	14.253				
1517-22-2	Phenanthrene-d10	15292	17.041				
1719-03-5	Chrysene-d12	12121	21.229				
1520-96-3	Perylene-d12	11972	23.437				

Report of Analysis

Client:		Date Collected:	6/28/2024 12:00:00 AM
Project:		Date Received:	6/28/2024 12:00:00 AM
Client Sample ID:	PB161831BS	SDG No.:	BN070924
Lab Sample ID:	PB161831BS	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
BN032596.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.38		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.36		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.39		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.38		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.39		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.34		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.38		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.03		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.37		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.37		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.39		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.39		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.33		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.38		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.38		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.34		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.34		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.42		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.33		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.41		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.32		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	0.41		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.37		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.39		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.39		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.41		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.38		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	6/28/2024 12:00:00 AM
Project:		Date Received:	6/28/2024 12:00:00 AM
Client Sample ID:	PB161831BS	SDG No.:	BN070924
Lab Sample ID:	PB161831BS	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
BN032596.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.389		30-150		97	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.344		30-150		86	SPK: -0.4
367-12-4	2-Fluorophenol	0.362		10-92		90	SPK: -0.4
13127-88-3	Phenol-d6	0.352		10-100		88	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.33		11-175		83	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.374		10-175		94	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.31		24-148		77	SPK: -0.4
1718-51-0	Terphenyl-d14	0.401		54-171		100	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4714	7.588				
1146-65-2	Naphthalene-d8	15471	10.368				
15067-26-2	Acenaphthene-d10	10696	14.231				
1517-22-2	Phenanthrene-d10	22196	16.991				
1719-03-5	Chrysene-d12	15210	21.211				
1520-96-3	Perylene-d12	14847	23.423				

Report of Analysis

Client:		Date Collected:	6/28/2024 12:00:00 AM
Project:		Date Received:	6/28/2024 12:00:00 AM
Client Sample ID:	PB161831BSD	SDG No.:	BN070924
Lab Sample ID:	PB161831BSD	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
BN032597.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.38		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.37		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.39		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.38		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.39		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.35		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.38		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.01		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.38		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.36		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.39		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.39		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.33		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.38		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.38		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.34		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.35		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.41		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.33		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.41		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.33		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.37		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.41		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.37		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.38		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.37		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.39		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.37		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	6/28/2024 12:00:00 AM
Project:		Date Received:	6/28/2024 12:00:00 AM
Client Sample ID:	PB161831BSD	SDG No.:	BN070924
Lab Sample ID:	PB161831BSD	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
BN032597.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.391		30-150		98	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.356		30-150		89	SPK: -0.4
367-12-4	2-Fluorophenol	0.355		10-92		89	SPK: -0.4
13127-88-3	Phenol-d6	0.346		10-100		86	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.329		11-175		82	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.374		10-175		94	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.32		24-148		80	SPK: -0.4
1718-51-0	Terphenyl-d14	0.4		54-171		100	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4953	7.588				
1146-65-2	Naphthalene-d8	16180	10.368				
15067-26-2	Acenaphthene-d10	11304	14.232				
1517-22-2	Phenanthrene-d10	24398	16.992				
1719-03-5	Chrysene-d12	17628	21.211				
1520-96-3	Perylene-d12	16890	23.423				

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-638-640	SDG No.:	BN070924
Lab Sample ID:	P3128-06	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	880 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032598.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.23	0.23	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.11	0.11	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.11	0.11	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.11	0.11	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.11	0.11	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.11	0.11	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.11	0.11	ug/L
Total PAH	Total PAH	0.52	U	0.52	0.11	1.76	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.11	0.11	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.16	U	0.16	0.23	0.23	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.11	0.11	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.11	0.11	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.11	0.11	ug/L
87-86-5	Pentachlorophenol	0.1	U	0.1	0.23	0.23	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.11	0.11	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.11	0.11	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.11	0.11	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.11	0.11	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.11	0.11	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.11	0.11	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.19	J	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	6.5	E	0.08	0.23	0.23	ug/L

Report of Analysis

Client:		Date Collected:	6/27/2024 12:00:00 AM
Project:		Date Received:	6/27/2024 12:00:00 AM
Client Sample ID:	BP-VPB-189-GW-638-640	SDG No.:	BN070924
Lab Sample ID:	P3128-06	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	880 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032598.D	1	6/28/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161831

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	0.368		30-150		92	SPK: -0.4
367-12-4	2-Fluorophenol	0.175		10-92		44	SPK: -0.4
13127-88-3	Phenol-d6	0.107		10-100		27	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.159		11-175		40	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.302		10-175		75	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.283		24-148		71	SPK: -0.4
1718-51-0	Terphenyl-d14	0.373		54-171		93	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3793	7.595				
1146-65-2	Naphthalene-d8	12973	10.357				
15067-26-2	Acenaphthene-d10	8110	14.231				
1517-22-2	Phenanthrene-d10	16570	17.004				
1719-03-5	Chrysene-d12	13896	21.211				
1520-96-3	Perylene-d12	13068	23.423				

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	PB161970BL	SDG No.:	BN070924
Lab Sample ID:	PB161970BL	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
BN032599.D	1	7/9/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161970

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

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	PB161970BL	SDG No.:	BN070924
Lab Sample ID:	PB161970BL	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
BN032599.D	1	7/9/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161970

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	0.353		30-150		88	SPK: -0.4
367-12-4	2-Fluorophenol	0.338		10-92		84	SPK: -0.4
13127-88-3	Phenol-d6	0.343		10-100		86	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.364		11-175		91	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.362		10-175		90	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.194		24-148		49	SPK: -0.4
1718-51-0	Terphenyl-d14	0.373		54-171		93	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4274	7.617				
1146-65-2	Naphthalene-d8	12713	10.453				
15067-26-2	Acenaphthene-d10	7549	14.263				
1517-22-2	Phenanthrene-d10	13070	17.053				
1719-03-5	Chrysene-d12	9559	21.238				
1520-96-3	Perylene-d12	10061	23.443				

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	PB161970BS	SDG No.:	BN070924
Lab Sample ID:	PB161970BS	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
BN032600.D	1	7/9/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.37		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.4		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.39		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.38		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.38		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.35		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.37		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.11		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.36		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.4		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.4		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.39		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.33		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.39		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.39		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.35		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.35		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.39		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.36		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.39		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.3		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.38		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.4		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.38		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.41		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.41		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.43		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.35		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	PB161970BS	SDG No.:	BN070924
Lab Sample ID:	PB161970BS	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
BN032600.D	1	7/9/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.379		30-150		95	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.351		30-150		88	SPK: -0.4
367-12-4	2-Fluorophenol	0.366		10-92		91	SPK: -0.4
13127-88-3	Phenol-d6	0.37		10-100		93	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.348		11-175		87	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.387		10-175		97	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.299		24-148		75	SPK: -0.4
1718-51-0	Terphenyl-d14	0.372		54-171		93	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7555	7.581				
1146-65-2	Naphthalene-d8	23739	10.357				
15067-26-2	Acenaphthene-d10	15214	14.221				
1517-22-2	Phenanthrene-d10	29412	16.991				
1719-03-5	Chrysene-d12	22175	21.202				
1520-96-3	Perylene-d12	23300	23.414				

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	PB161970BSD	SDG No.:	BN070924
Lab Sample ID:	PB161970BSD	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
BN032601.D	1	7/9/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.37		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.41		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.39		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.38		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.37		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.34		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.37		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.17		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.36		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.43		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.4		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.39		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.36		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.4		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.38		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.38		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.38		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.39		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.37		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.4		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.32		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.37		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.39		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.38		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.42		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.42		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.43		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.36		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	7/9/2024 12:00:00 AM
Project:		Date Received:	7/9/2024 12:00:00 AM
Client Sample ID:	PB161970BSD	SDG No.:	BN070924
Lab Sample ID:	PB161970BSD	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
BN032601.D	1	7/9/2024 12:00:00 AM	7/9/2024 12:00:00 AM	PB161970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.372		30-150		93	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.374		30-150		94	SPK: -0.4
367-12-4	2-Fluorophenol	0.365		10-92		91	SPK: -0.4
13127-88-3	Phenol-d6	0.365		10-100		91	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.351		11-175		88	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.381		10-175		95	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.306		24-148		76	SPK: -0.4
1718-51-0	Terphenyl-d14	0.38		54-171		95	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7428	7.581				
1146-65-2	Naphthalene-d8	22672	10.357				
15067-26-2	Acenaphthene-d10	14090	14.221				
1517-22-2	Phenanthrene-d10	27709	16.991				
1719-03-5	Chrysene-d12	22931	21.202				
1520-96-3	Perylene-d12	26101	23.411				

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	VPB196-HYD-20240703RE	SDG No.:	BN070924
Lab Sample ID:	P3167-08RE	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	890 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032602.D	1	7/5/2024 12:00:00 AM	7/10/2024 12:00:00 AM	PB161930

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	6.7	E	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	J	0.08	0.22	0.22	ug/L

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	VPB196-HYD-20240703RE	SDG No.:	BN070924
Lab Sample ID:	P3167-08RE	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	890 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032602.D	1	7/5/2024 12:00:00 AM	7/10/2024 12:00:00 AM	PB161930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.065	*	30-150		16	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.192		30-150		48	SPK: -0.4
367-12-4	2-Fluorophenol	0.045		10-92		11	SPK: -0.4
13127-88-3	Phenol-d6	0.009	*	10-100		2	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.341		11-175		85	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.315		10-175		79	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.248		24-148		62	SPK: -0.4
1718-51-0	Terphenyl-d14	0.465		54-171		116	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5114	7.588				
1146-65-2	Naphthalene-d8	15939	10.389				
15067-26-2	Acenaphthene-d10	11709	14.242				
1517-22-2	Phenanthrene-d10	25762	17.004				
1719-03-5	Chrysene-d12	18748	21.211				
1520-96-3	Perylene-d12	10330	23.428				

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	VPB196-HYD-20240624RE	SDG No.:	BN070924
Lab Sample ID:	P3127-05RE	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
BN032603.D	1	6/28/2024 12:00:00 AM	7/10/2024 12:00:00 AM	PB161831

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	6.5	E	0.03	0.12	0.12	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.12	0.12	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.12	0.12	ug/L
91-57-6	2-Methylnaphthalene	0.04	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	0.08	U	0.08	0.24	0.24	ug/L

Report of Analysis

Client:		Date Collected:	6/24/2024 12:00:00 AM
Project:		Date Received:	6/24/2024 12:00:00 AM
Client Sample ID:	VPB196-HYD-20240624RE	SDG No.:	BN070924
Lab Sample ID:	P3127-05RE	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
BN032603.D	1	6/28/2024 12:00:00 AM	7/10/2024 12:00:00 AM	PB161831

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.009	*	30-150		2	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.106	*	30-150		26	SPK: -0.4
367-12-4	2-Fluorophenol	0.008	*	10-92		2	SPK: -0.4
13127-88-3	Phenol-d6	0	U	10-100		0	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.34		11-175		85	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.304		10-175		76	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.234		24-148		58	SPK: -0.4
1718-51-0	Terphenyl-d14	0.457		54-171		114	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4243		7.588			
1146-65-2	Naphthalene-d8	12618		10.389			
15067-26-2	Acenaphthene-d10	9569		14.242			
1517-22-2	Phenanthrene-d10	19329		17.016			
1719-03-5	Chrysene-d12	14565		21.211			
1520-96-3	Perylene-d12	14124		23.426			

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	VPB189-HYD-20240703RE	SDG No.:	BN070924
Lab Sample ID:	P3173-02RE	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032604.D	1	7/9/2024 12:00:00 AM	7/10/2024 12:00:00 AM	PB161970

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	5.3	E	0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.02	U	0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.03	U	0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.03	U	0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.02	U	0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.02	U	0.02	0.1	0.1	ug/L
Total PAH	Total PAH	0.46	U	0.46	0.1	1.6	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.21	0.21	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.09	U	0.09	0.21	0.21	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.02	U	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.14	U	0.14	0.21	0.21	ug/L
205-99-2	Benzo(b)fluoranthene	0.03	U	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	U	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	U	0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	U	0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.97		0.07	0.21	0.21	ug/L

Report of Analysis

Client:		Date Collected:	7/3/2024 12:00:00 AM
Project:		Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	VPB189-HYD-20240703RE	SDG No.:	BN070924
Lab Sample ID:	P3173-02RE	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN032604.D	1	7/9/2024 12:00:00 AM	7/10/2024 12:00:00 AM	PB161970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.009	*	30-150		2	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.335		30-150		84	SPK: -0.4
367-12-4	2-Fluorophenol	0.105		10-92		26	SPK: -0.4
13127-88-3	Phenol-d6	0	U	10-100		0	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.385		11-175		96	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.364		10-175		91	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.31		24-148		77	SPK: -0.4
1718-51-0	Terphenyl-d14	0.488		54-171		122	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3596		7.588			
1146-65-2	Naphthalene-d8	11416		10.378			
15067-26-2	Acenaphthene-d10	8400		14.231			
1517-22-2	Phenanthrene-d10	18407		17.016			
1719-03-5	Chrysene-d12	14458		21.211			
1520-96-3	Perylene-d12	11819		23.423			

Report of Analysis

Client:		Date Collected:	7/5/2024 12:00:00 AM
Project:		Date Received:	7/5/2024 12:00:00 AM
Client Sample ID:	PB161930BS	SDG No.:	BN070924
Lab Sample ID:	PB161930BS	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
BN032605.D	1	7/5/2024 12:00:00 AM	7/10/2024 12:00:00 AM	PB161930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.39		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.39		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.39		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.38		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.37		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.35		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.38		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.12		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.36		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.38		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.39		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.38		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.33		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.38		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.38		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.34		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.36		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.37		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.35		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.4		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.3		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.38		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.4		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.38		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.42		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.42		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.44		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.36		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	7/5/2024 12:00:00 AM
Project:		Date Received:	7/5/2024 12:00:00 AM
Client Sample ID:	PB161930BS	SDG No.:	BN070924
Lab Sample ID:	PB161930BS	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
BN032605.D	1	7/5/2024 12:00:00 AM	7/10/2024 12:00:00 AM	PB161930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.37		30-150		93	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.358		30-150		90	SPK: -0.4
367-12-4	2-Fluorophenol	0.366		10-92		91	SPK: -0.4
13127-88-3	Phenol-d6	0.351		10-100		88	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.354		11-175		88	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.387		10-175		97	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.294		24-148		74	SPK: -0.4
1718-51-0	Terphenyl-d14	0.356		54-171		89	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6712	7.581				
1146-65-2	Naphthalene-d8	20020	10.368				
15067-26-2	Acenaphthene-d10	12251	14.221				
1517-22-2	Phenanthrene-d10	24484	16.991				
1719-03-5	Chrysene-d12	20247	21.202				
1520-96-3	Perylene-d12	22411	23.417				

Report of Analysis

Client:		Date Collected:	7/5/2024 12:00:00 AM
Project:		Date Received:	7/5/2024 12:00:00 AM
Client Sample ID:	PB161930BSD	SDG No.:	BN070924
Lab Sample ID:	PB161930BSD	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
BN032606.D	1	7/5/2024 12:00:00 AM	7/10/2024 12:00:00 AM	PB161930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.38		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.36		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.39		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.38		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.39		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.34		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.38		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.06		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.38		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.38		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.38		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.38		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.34		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.38		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.39		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.35		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.36		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.41		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.37		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.39		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.32		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.39		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.41		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.37		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.37		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.37		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.39		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.36		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	7/5/2024 12:00:00 AM
Project:		Date Received:	7/5/2024 12:00:00 AM
Client Sample ID:	PB161930BSD	SDG No.:	BN070924
Lab Sample ID:	PB161930BSD	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
BN032606.D	1	7/5/2024 12:00:00 AM	7/10/2024 12:00:00 AM	PB161930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.392		30-150		98	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.363		30-150		91	SPK: -0.4
367-12-4	2-Fluorophenol	0.353		10-92		88	SPK: -0.4
13127-88-3	Phenol-d6	0.352		10-100		88	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.337		11-175		84	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.372		10-175		93	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.313		24-148		78	SPK: -0.4
1718-51-0	Terphenyl-d14	0.397		54-171		99	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5649	7.581				
1146-65-2	Naphthalene-d8	18384	10.368				
15067-26-2	Acenaphthene-d10	12967	14.221				
1517-22-2	Phenanthrene-d10	27997	16.992				
1719-03-5	Chrysene-d12	20942	21.202				
1520-96-3	Perylene-d12	19920	23.417				



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

Hit Summary Sheet SW-846

SDG No.: BN070924

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : BP-VPB-196-GW-725-727							
P3127-02	BP-VPB-196-GW-725-72 Water	1,4-Dioxane	0.130	J	0.09	0.26	ug/L
P3127-02	BP-VPB-196-GW-725-72 Water	Bis(2-ethylhexyl)phthalate	0.460		0.18	0.26	ug/L
P3127-02	BP-VPB-196-GW-725-72 Water	Naphthalene	0.050	J	0.03	0.13	ug/L
		Total Svoc :			0.64		
		Total Concentration:			0.64		
Client ID : BP-VPB-196-GW-745-747							
P3127-03	BP-VPB-196-GW-745-74 Water	1,4-Dioxane	0.650		0.09	0.27	ug/L
P3127-03	BP-VPB-196-GW-745-74 Water	Bis(2-ethylhexyl)phthalate	0.430		0.19	0.27	ug/L
P3127-03	BP-VPB-196-GW-745-74 Water	Fluorene	0.030	J	0.02	0.14	ug/L
P3127-03	BP-VPB-196-GW-745-74 Water	Naphthalene	0.050	J	0.03	0.14	ug/L
P3127-03	BP-VPB-196-GW-745-74 Water	Phenanthrene	0.030	J	0.03	0.14	ug/L
		Total Svoc :			1.19		
		Total Concentration:			1.19		
Client ID : VPB196-HYD-20240624RE							
P3127-05RE	VPB196-HYD-20240624 Water	bis(2-Chloroethyl)ether	6.500	E	0.03	0.12	ug/L
		Total Svoc :			6.50		
		Total Concentration:			6.50		
Client ID : BP-VPB-196-GW-770-772							
P3127-06	BP-VPB-196-GW-770-77 Water	1,4-Dioxane	0.830	J	0.68	2	ug/L
P3127-06	BP-VPB-196-GW-770-77 Water	Bis(2-ethylhexyl)phthalate	14.900		1.4	2	ug/L
P3127-06	BP-VPB-196-GW-770-77 Water	Phenanthrene	0.240	J	0.2	1	ug/L
P3127-06	BP-VPB-196-GW-770-77 Water	Pyrene	0.230	J	0.22	1	ug/L
		Total Svoc :			16.20		
		Total Concentration:			16.20		
Client ID : BP-VPB-189-GW-610-612							
P3128-02	BP-VPB-189-GW-610-61 Water	1,4-Dioxane	5.400		0.08	0.23	ug/L
		Total Svoc :			5.40		
		Total Concentration:			5.40		
Client ID : VPB189-HYD-20240626							
P3128-03	VPB189-HYD-20240626 Water	1,4-Dioxane	0.930		0.08	0.23	ug/L
		Total Svoc :			0.93		
		Total Concentration:			0.93		
Client ID : BP-VPB-189-GW-638-640							
P3128-06	BP-VPB-189-GW-638-64 Water	1,4-Dioxane	6.500	E	0.08	0.23	ug/L
P3128-06	BP-VPB-189-GW-638-64 Water	Bis(2-ethylhexyl)phthalate	0.190	J	0.16	0.23	ug/L



SDG No.: BN070924

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Total Svoc :			6.69				
Total Concentration:			6.69				
Client ID :	BP-VPB-189-GW-678-680						
P3143-02	BP-VPB-189-GW-678-68	Water	1,4-Dioxane	3.800		0.08	0.24 ug/L
P3143-02	BP-VPB-189-GW-678-68	Water	Bis(2-ethylhexyl)phthalate	12.400	E	0.17	0.24 ug/L
P3143-02	BP-VPB-189-GW-678-68	Water	Phenanthrene	0.020	J	0.02	0.12 ug/L
Total Svoc :			16.22				
Total Concentration:			16.22				
Client ID :	BP-VPB-189-GW-718-720						
P3143-04	BP-VPB-189-GW-718-72	Water	1,4-Dioxane	2.000		0.09	0.26 ug/L
P3143-04	BP-VPB-189-GW-718-72	Water	Acenaphthene	0.030	J	0.03	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-72	Water	Acenaphthylene	0.030	J	0.03	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-72	Water	Anthracene	0.040	J	0.03	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-72	Water	Benzo(a)anthracene	0.050	J	0.03	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-72	Water	Benzo(b)fluoranthene	0.050	J	0.04	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-72	Water	Benzo(k)fluoranthene	0.060	J	0.04	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-72	Water	Chrysene	0.060	J	0.03	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-72	Water	Fluoranthene	0.060	J	0.03	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-72	Water	Fluorene	0.030	J	0.02	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-72	Water	Naphthalene	0.030	J	0.03	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-72	Water	Phenanthrene	0.050	J	0.03	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-72	Water	Pyrene	0.050	J	0.03	0.13 ug/L
Total Svoc :			2.54				
Total Concentration:			2.54				
Client ID :	GWBR-05-425-458-070224RE						
P3156-01RE	GWBR-05-425-458-0702	Water	1,4-Dioxane	2.400		0.68	2 ug/L
P3156-01RE	GWBR-05-425-458-0702	Water	Benzo(a)anthracene	0.240	J	0.22	1 ug/L
P3156-01RE	GWBR-05-425-458-0702	Water	Bis(2-ethylhexyl)phthalate	4.400		1.4	2 ug/L
P3156-01RE	GWBR-05-425-458-0702	Water	Fluoranthene	0.260	J	0.23	1 ug/L
P3156-01RE	GWBR-05-425-458-0702	Water	Phenanthrene	0.280	J	0.2	1 ug/L
P3156-01RE	GWBR-05-425-458-0702	Water	Pyrene	0.520	J	0.22	1 ug/L
Total Svoc :			8.10				
Total Concentration:			8.10				
Client ID :	EB-01-070224RE						
P3156-03RE	EB-01-070224RE	Water	1,4-Dioxane	0.190	J	0.09	0.27 ug/L
Total Svoc :			0.19				
Total Concentration:			0.19				
Client ID :	BP-VPB-196-GW-810-812						

Hit Summary Sheet SW-846

SDG No.: BN070924

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
P3167-03	BP-VPB-196-GW-810-81 Water	Bis(2-ethylhexyl)phthalate	28.600		1.4	2	ug/L
P3167-03	BP-VPB-196-GW-810-81 Water	Naphthalene	1.100		0.24	1	ug/L
P3167-03	BP-VPB-196-GW-810-81 Water	Phenanthrene	0.390	J	0.2	1	ug/L
Total Svoc :			30.09				
Total Concentration:			30.09				
Client ID :	BP-VPB-196-GW-820-822						
P3167-05	BP-VPB-196-GW-820-82 Water	1,4-Dioxane	0.840	J	0.68	2	ug/L
P3167-05	BP-VPB-196-GW-820-82 Water	Bis(2-ethylhexyl)phthalate	4.300		1.4	2	ug/L
P3167-05	BP-VPB-196-GW-820-82 Water	Fluorene	0.230	J	0.18	1	ug/L
P3167-05	BP-VPB-196-GW-820-82 Water	Naphthalene	0.290	J	0.24	1	ug/L
P3167-05	BP-VPB-196-GW-820-82 Water	Phenanthrene	0.280	J	0.2	1	ug/L
Total Svoc :			5.94				
Total Concentration:			5.94				
Client ID :	BP-VPB-196-GW-840-842						
P3167-06	BP-VPB-196-GW-840-84 Water	Bis(2-ethylhexyl)phthalate	9.800		1.4	2	ug/L
Total Svoc :			9.80				
Total Concentration:			9.80				
Client ID :	BP-VPB-196-GW-865-867						
P3167-07	BP-VPB-196-GW-865-86 Water	Bis(2-ethylhexyl)phthalate	38.800		1.4	2	ug/L
Total Svoc :			38.80				
Total Concentration:			38.80				
Client ID :	VPB196-HYD-20240703						
P3167-08	VPB196-HYD-20240703 Water	1,4-Dioxane	0.080	J	0.08	0.22	ug/L
Total Svoc :			0.08				
Total Concentration:			0.08				
Client ID :	VPB196-HYD-20240703RE						
P3167-08RE	VPB196-HYD-20240703 Water	1,4-Dioxane	0.080	J	0.08	0.22	ug/L
P3167-08RE	VPB196-HYD-20240703 Water	bis(2-Chloroethyl)ether	6.700	E	0.03	0.11	ug/L
Total Svoc :			6.78				
Total Concentration:			6.78				
Client ID :	BP-VPB-196-EB-20240701						
P3167-09	BP-VPB-196-EB-202407 Water	Bis(2-ethylhexyl)phthalate	2.700		0.16	0.22	ug/L
Total Svoc :			2.70				
Total Concentration:			2.70				
Client ID :	BP-VPB-196-DUP-20240702						
P3167-10	BP-VPB-196-DUP-20240 Water	1,4-Dioxane	1.300	J	0.68	2	ug/L
P3167-10	BP-VPB-196-DUP-20240 Water	Bis(2-ethylhexyl)phthalate	25.800		1.4	2	ug/L
P3167-10	BP-VPB-196-DUP-20240 Water	Naphthalene	0.380	J	0.24	1	ug/L

Hit Summary Sheet SW-846

SDG No.: BN070924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
P3167-10	BP-VPB-196-DUP-20240703	Water	Phenanthrene	0.320	J	0.2	1	ug/L
Total Svoc :				27.80				
Total Concentration:				27.80				
Client ID : VPB189-HYD-20240703								
P3173-02	VPB189-HYD-20240703	Water	1,4-Dioxane	0.960		0.07	0.21	ug/L
Total Svoc :				0.96				
Total Concentration:				0.96				
Client ID : VPB189-HYD-20240703RE								
P3173-02RE	VPB189-HYD-20240703	Water	1,4-Dioxane	0.970		0.07	0.21	ug/L
P3173-02RE	VPB189-HYD-20240703	Water	bis(2-Chloroethyl)ether	5.300	E	0.03	0.1	ug/L
Total Svoc :				6.27				
Total Concentration:				6.27				
Client ID : BP-VPB-189-GW-763-765								
P3173-04	BP-VPB-189-GW-763-765	Water	1,4-Dioxane	0.290		0.07	0.21	ug/L
P3173-04	BP-VPB-189-GW-763-765	Water	Bis(2-ethylhexyl)phthalate	2.600		0.14	0.21	ug/L
P3173-04	BP-VPB-189-GW-763-765	Water	Pentachlorophenol	0.180	J	0.09	0.21	ug/L
P3173-04	BP-VPB-189-GW-763-765	Water	Phenanthrene	0.040	J	0.02	0.1	ug/L
P3173-04	BP-VPB-189-GW-763-765	Water	Pyrene	0.030	J	0.02	0.1	ug/L
Total Svoc :				3.14				
Total Concentration:				3.14				
Client ID : ICVBN070924								
SSTDICV0.4	ICVBN070924	Water	1,4-Dioxane	400.000		68	200	ug/L
SSTDICV0.4	ICVBN070924	Water	2-Methylnaphthalene	390.000		30	100	ug/L
SSTDICV0.4	ICVBN070924	Water	4,6-Dinitro-2-methylphenol	350.000		140	200	ug/L
SSTDICV0.4	ICVBN070924	Water	4-Bromophenyl-phenylether	380.000		26	100	ug/L
SSTDICV0.4	ICVBN070924	Water	Acenaphthene	380.000		20	100	ug/L
SSTDICV0.4	ICVBN070924	Water	Acenaphthylene	350.000		21	100	ug/L
SSTDICV0.4	ICVBN070924	Water	Anthracene	350.000		24	100	ug/L
SSTDICV0.4	ICVBN070924	Water	Atrazine	340.000		23	100	ug/L
SSTDICV0.4	ICVBN070924	Water	Benzo(a)anthracene	330.000		22	100	ug/L
SSTDICV0.4	ICVBN070924	Water	Benzo(a)pyrene	370.000		56	100	ug/L
SSTDICV0.4	ICVBN070924	Water	Benzo(b)fluoranthene	350.000		32	100	ug/L
SSTDICV0.4	ICVBN070924	Water	Benzo(g,h,i)perylene	380.000		37	100	ug/L
SSTDICV0.4	ICVBN070924	Water	Benzo(k)fluoranthene	390.000		34	100	ug/L
SSTDICV0.4	ICVBN070924	Water	bis(2-Chloroethyl)ether	370.000		28	100	ug/L
SSTDICV0.4	ICVBN070924	Water	Bis(2-ethylhexyl)phthalate	320.000		140	200	ug/L
SSTDICV0.4	ICVBN070924	Water	Chrysene	400.000		26	100	ug/L
SSTDICV0.4	ICVBN070924	Water	Dibenzo(a,h)anthracene	370.000		39	100	ug/L
SSTDICV0.4	ICVBN070924	Water	Fluoranthene	360.000		23	100	ug/L

Hit Summary Sheet SW-846

SDG No.: BN070924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV0.4	ICVBN070924	Water	Fluorene	380.000		18	100	ug/L
SSTDICV0.4	ICVBN070924	Water	Hexachlorobenzene	390.000		29	100	ug/L
SSTDICV0.4	ICVBN070924	Water	Hexachlorobutadiene	390.000		26	100	ug/L
SSTDICV0.4	ICVBN070924	Water	Indeno(1,2,3-cd)pyrene	370.000		38	100	ug/L
SSTDICV0.4	ICVBN070924	Water	n-Nitrosodimethylamine	370.000		30	200	ug/L
SSTDICV0.4	ICVBN070924	Water	Naphthalene	390.000		24	100	ug/L
SSTDICV0.4	ICVBN070924	Water	Pentachlorophenol	390.000		90	200	ug/L
SSTDICV0.4	ICVBN070924	Water	Phenanthrene	370.000		20	100	ug/L
SSTDICV0.4	ICVBN070924	Water	Pyrene	390.000		22	100	ug/L
SSTDICV0.4	ICVBN070924	Water	Total PAH	5,930.000		456	1600	ug/L
Total Svoc :						15,950.00		
Total Concentration:						15,950.00		

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN070924 SAS No.: BN070924 SDG No.: BN070924

Instrument ID: _____ Calibration Date(s): 7/8/2024 1: _____

Calibration Time(s): 19:15 _____

LAB FILE ID:	RRF0.1 = BN032557.D		RRF0.2 = BN032558.D		RRF0.4 = BN032559.D			
	RRF0.8 = BN032560.D		RRF1.6 = BN032561.D		RRF3.2 = BN032562.D			
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.605	0.635	0.617	0.628	0.673	0.636	0.632	3.3
Fluoranthene-d10	0.995	1.020	0.984	0.994	1.089	1.113	1.042	5.4
n-Nitrosodimethylamine	0.394	0.369	0.362	0.373	0.391	0.398	0.382	3.7
2-Fluorophenol	0.994	1.022	0.940	0.983	1.031	1.065	1.011	4.1
Phenol-d6	1.136	1.282	1.202	1.289	1.406	1.372	1.292	7.5
bis(2-Chloroethyl)ether	0.486	0.630	0.814	1.004	1.064	1.105	0.887	28.1
Nitrobenzene-d5	0.325	0.284	0.253	0.272	0.316	0.321	0.299	9.5
Naphthalene	1.066	1.090	1.052	1.065	1.149	1.124	1.093	3.2
Hexachlorobutadiene	0.240	0.231	0.214	0.207	0.215	0.211	0.218	5.9
2-Methylnaphthalene	0.698	0.727	0.709	0.721	0.788	0.742	0.731	4.0
2-Fluorobiphenyl	1.246	1.374	1.333	1.480	1.632	1.636	1.474	10.8
Acenaphthylene	1.502	1.607	1.507	1.673	1.914	1.926	1.723	11.4
Acenaphthene	1.125	1.181	1.114	1.188	1.293	1.252	1.197	5.4
Fluorene	1.445	1.559	1.473	1.565	1.704	1.631	1.569	5.7
4,6-Dinitro-2-methylphenol		0.021	0.026	0.044	0.063	0.075	0.053	50.6
2,4,6-Tribromophenol	0.150	0.162	0.157	0.176	0.205	0.206	0.181	14.5
4-Bromophenyl-phenylether	0.232	0.236	0.227	0.226	0.249	0.244	0.238	4.2
Hexachlorobenzene	0.259	0.260	0.248	0.254	0.274	0.267	0.261	3.3
Atrazine	0.177	0.183	0.171	0.173	0.199	0.202	0.185	6.7
Pentachlorophenol		0.067	0.071	0.081	0.105	0.114	0.088	24.1
Phenanthrene	1.030	1.037	1.011	1.073	1.168	1.154	1.087	5.9
Anthracene	0.647	0.711	0.800	0.861	1.020	1.028	0.874	18.6
Fluoranthene	1.277	1.310	1.225	1.232	1.376	1.397	1.313	5.4
Pyrene	1.617	1.646	1.556	1.639	1.791	1.572	1.627	4.9
Terphenyl-d14	0.989	0.981	0.906	0.973	1.068	0.961	0.977	5.0
Benzo (a) anthracene	1.117	1.265	1.249	1.286	1.424	1.449	1.323	9.8
Chrysene	1.733	1.663	1.486	1.545	1.605	1.508	1.571	6.4
Bis(2-ethylhexyl)phthalate	1.005	0.920	0.776	0.821	0.852	0.960	0.899	9.4
Benzo (b) fluoranthene	1.228	1.277	1.215	1.277	1.446	1.469	1.333	8.1
Benzo (k) fluoranthene	1.482	1.639	1.509	1.521	1.593	1.506	1.536	3.8
Benzo (a) pyrene	1.275	1.259	1.188	1.217	1.316	1.301	1.262	3.6
Indeno (1,2,3-cd) pyrene	1.418	1.427	1.352	1.501	1.611	1.719	1.528	9.2
Dibenzo (a,h) anthracene	1.127	1.122	1.058	1.190	1.281	1.373	1.213	9.9
Benzo (g,h,i) perylene	1.259	1.254	1.177	1.296	1.372	1.465	1.321	7.8
1,4-Dioxane	0.678	0.602	0.512	0.490	0.494	0.470	0.527	15.8

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.: BN070924 SAS No.: BN070924 SDG NO.: BN070924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jul 9 2024 12:00AM

Lab File ID: BN032559.D Time Analyzed: 00:03

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	4159	7.588	13301	10.38	9550	14.23
UPPER LIMIT	8318	8.088	26602	10.878	19100	14.731
LOWER LIMIT	2079.5	7.088	6650.5	9.878	4775	13.731
EPA SAMPLE NO.						
01 ICVBN070924	4389	7.59	13799	10.38	9647	14.23
02 PB161896BL	3500	7.61	11577	10.44	6937	14.26
03 PB161896BS	4148	7.59	12940	10.38	8849	14.23
04 PB161896BSD	4375	7.59	13767	10.38	9772	14.23
05 BP-VPB-189-GW-678-680	3974	7.59	13290	10.36	8900	14.23
06 BP-VPB-189-GW-718-720	3655	7.60	12498	10.36	8309	14.23
07 GWBR-05-425-458-070224RE	6214	7.59	20912	10.36	14339	14.23
08 EB-01-070224RE	3300	7.60	10785	10.38	8118	14.24
09 BP-VPB-196-GW-810-812	5480	7.59	18826	10.36	12418	14.23
10 PB161930BL	3814	7.61	12348	10.44	7850	14.26
11 BP-VPB-196-GW-820-822	5832	7.59	18693	10.37	7965	14.23
12 BP-VPB-196-GW-840-842	4525	7.59	15344	10.37	10209	14.23
13 BP-VPB-196-GW-865-867	3956	7.59	13432	10.37	9392	14.23
14 VPB196-HYD-20240703	4318	7.59	13228	10.39	10062	14.24
15 BP-VPB-196-EB-20240701	3526	7.60	11537	10.39	8991	14.24
16 BP-VPB-196-DUP-20240702	4397	7.59	15542	10.36	9707	14.23
17 BP-VPB-196-GW-725-727	4108	7.59	14131	10.36	9416	14.23
18 BP-VPB-196-GW-745-747	4127	7.59	14100	10.37	4366 *	14.23
19 BP-VPB-196-EB-20240625	4201	7.59	12612	10.38	8984	14.23
20 VPB196-HYD-20240624	3925	7.59	11930	10.38	9453	14.24
21 BP-VPB-196-GW-770-772	3783	7.59	13024	10.37	8902	14.23
22 BP-VPB-189-GW-610-612	4166	7.59	13369	10.37	8454	14.23
23 VPB189-HYD-20240626	3733	7.59	11006	10.39	8718	14.24

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN070924 SAS No.: BN070924 SDG NO.: BN070924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jul 9 2024 12:00AM

Lab File ID: BN032559.D Time Analyzed: 16:27

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	4159	7.588	13301	10.38	9550	14.23
UPPER LIMIT	8318	8.088	26602	10.878	19100	14.731
LOWER LIMIT	2079.5	7.088	6650.5	9.878	4775	13.731
EPA SAMPLE NO.						
24 VPB189-HYD-20240703	3740	7.59	11014	10.38	7286	14.24
25 BP-VPB-189-GW-763-765	3951	7.59	13398	10.36	9304	14.22
26 PB161831BL	4050	7.61	12171	10.43	7877	14.25
27 PB161831BS	4714	7.59	15471	10.37	10696	14.23
28 PB161831BSD	4953	7.59	16180	10.37	11304	14.23
29 BP-VPB-189-GW-638-640	3793	7.60	12973	10.36	8110	14.23
30 PB161970BL	4274	7.62	12713	10.45	7549	14.26
31 PB161970BS	7555	7.58	23739	10.36	15214	14.22
32 PB161970BSD	7428	7.58	22672	10.36	14090	14.22
33 VPB196-HYD-20240703RE	5114	7.59	15939	10.39	11709	14.24
34 VPB196-HYD-20240624RE	4243	7.59	12618	10.39	9569	14.24
35 VPB189-HYD-20240703RE	3596	7.59	11416	10.38	8400	14.23
36 PB161930BS	6712	7.58	20020	10.37	12251	14.22
37 PB161930BSD	5649	7.58	18384	10.37	12967	14.22

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.: BN070924 SAS No.: BN070924 SDG NO.: BN070924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jul 9 2024 12:00AM

Lab File ID: BN032559.D Time Analyzed: 00:03

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	4159	7.588	13301	10.38	9550	14.23
UPPER LIMIT	8318	8.088	26602	10.878	19100	14.731
LOWER LIMIT	2079.5	7.088	6650.5	9.878	4775	13.731
EPA SAMPLE NO.						
01 ICVBN070924	4389	7.59	13799	10.38	9647	14.23
02 PB161896BL	3500	7.61	11577	10.44	6937	14.26
03 PB161896BS	4148	7.59	12940	10.38	8849	14.23
04 PB161896BSD	4375	7.59	13767	10.38	9772	14.23
05 BP-VPB-189-GW-678-680	3974	7.59	13290	10.36	8900	14.23
06 BP-VPB-189-GW-718-720	3655	7.60	12498	10.36	8309	14.23
07 GWBR-05-425-458-070224RE	6214	7.59	20912	10.36	14339	14.23
08 EB-01-070224RE	3300	7.60	10785	10.38	8118	14.24
09 BP-VPB-196-GW-810-812	5480	7.59	18826	10.36	12418	14.23

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.



SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

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	4691	7.588	15160	10.37	10704	14.23
	UPPER LIMIT	9382	8.088	30320	10.868	21408	14.731
	LOWER LIMIT	2345.5	7.088	7580	9.868	5352	13.731
	EPA SAMPLE NO.						
01	PB161930BL	3814	7.61	12348	10.44	7850	14.26
02	BP-VPB-196-GW-820-822	5832	7.59	18693	10.37	7965	14.23
03	BP-VPB-196-GW-840-842	4525	7.59	15344	10.37	10209	14.23
04	BP-VPB-196-GW-865-867	3956	7.59	13432	10.37	9392	14.23
05	VPB196-HYD-20240703	4318	7.59	13228	10.39	10062	14.24
06	BP-VPB-196-EB-20240701	3526	7.60	11537	10.39	8991	14.24
07	BP-VPB-196-DUP-20240702	4397	7.59	15542	10.36	9707	14.23
08	BP-VPB-196-GW-725-727	4108	7.59	14131	10.36	9416	14.23
09	BP-VPB-196-GW-745-747	4127	7.59	14100	10.37	4366 *	14.23
10	BP-VPB-196-EB-20240625	4201	7.59	12612	10.38	8984	14.23
11	VPB196-HYD-20240624	3925	7.59	11930	10.38	9453	14.24
12	BP-VPB-196-GW-770-772	3783	7.59	13024	10.37	8902	14.23
13	BP-VPB-189-GW-610-612	4166	7.59	13369	10.37	8454	14.23
14	VPB189-HYD-20240626	3733	7.59	11006	10.39	8718	14.24
15	VPB189-HYD-20240703	3740	7.59	11014	10.38	7286	14.24
16	BP-VPB-189-GW-763-765	3951	7.59	13398	10.36	9304	14.22



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN070924 SAS No.: BN070924 SDG NO.: BN070924

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 9 2024 12:00AM

Lab File ID: BN032575.D Time Analyzed: 17:03

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	4691	7.588	15160	10.37	10704	14.23
UPPER LIMIT	9382	8.088	30320	10.868	21408	14.731
LOWER LIMIT	2345.5	7.088	7580	9.868	5352	13.731
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.: BN070924 SAS No.: BN070924 SDG NO.: BN070924

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 9 2024 12:00AM

Lab File ID: BN032594.D Time Analyzed: 20:11

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	4206	7.588	13636	10.37	9339	14.23
UPPER LIMIT	8412	8.088	27272	10.868	18678	14.731
LOWER LIMIT	2103	7.088	6818	9.868	4669.5	13.731
EPA SAMPLE NO.						
01 PB161831BL	4050	7.61	12171	10.43	7877	14.25
02 PB161831BS	4714	7.59	15471	10.37	10696	14.23
03 PB161831BSD	4953	7.59	16180	10.37	11304	14.23
04 BP-VPB-189-GW-638-640	3793	7.60	12973	10.36	8110	14.23
05 PB161970BL	4274	7.62	12713	10.45	7549	14.26
06 PB161970BS	7555	7.58	23739	10.36	15214	14.22
07 PB161970BSD	7428	7.58	22672	10.36	14090	14.22
08 VPB196-HYD-20240703RE	5114	7.59	15939	10.39	11709	14.24
09 VPB196-HYD-20240624RE	4243	7.59	12618	10.39	9569	14.24
10 VPB189-HYD-20240703RE	3596	7.59	11416	10.38	8400	14.23
11 PB161930BS	6712	7.58	20020	10.37	12251	14.22
12 PB161930BSD	5649	7.58	18384	10.37	12967	14.22

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.: BN070924 SAS No.: BN070924 SDG NO.: BN070924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jul 9 2024 12:00AM

Lab File ID: BN032559.D Time Analyzed: 00:03

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	21098	17.004	17466	21.211	17306	23.426
	UPPER LIMIT	42196	17.504	34932	21.711	34612	23.926
	LOWER LIMIT	10549	16.504	8733	20.711	8653	22.926
	EPA SAMPLE NO.						
01	ICVBN070924	21027	17.00	16744	21.21	16900	23.43
02	PB161896BL	14116	17.05	13062	21.24	12388	23.44
03	PB161896BS	18601	17.00	14856	21.21	15853	23.43
04	PB161896BSD	21923	17.00	19263	21.21	19665	23.42
05	BP-VPB-189-GW-678-680	19310	16.99	14920	21.20	14342	23.42
06	BP-VPB-189-GW-718-720	18092	16.99	16212	21.20	14982	23.42
07	GWBR-05-425-458-070224RE	28414	16.99	19023	21.20	19161	23.41
08	EB-01-070224RE	19235	17.00	17734	21.22	10517	23.44
09	BP-VPB-196-GW-810-812	26244	16.99	23331	21.20	21600	23.41
10	PB161930BL	16228	17.04	13652	21.23	13651	23.44
11	BP-VPB-196-GW-820-822	21136	17.00	13313	21.21	1684 *	23.43
12	BP-VPB-196-GW-840-842	22934	17.00	18858	21.20	17183	23.42
13	BP-VPB-196-GW-865-867	20075	17.00	17819	21.21	16336	23.42
14	VPB196-HYD-20240703	22246	17.02	17711	21.21	10573	23.43
15	BP-VPB-196-EB-20240701	19929	17.00	15599	21.21	14416	23.43
16	BP-VPB-196-DUP-20240702	21842	16.99	15554	21.20	9064	23.42
17	BP-VPB-196-GW-725-727	21690	16.99	17588	21.21	10848	23.43
18	BP-VPB-196-GW-745-747	18683	16.99	8410 *	21.21	8 *	23.42
19	BP-VPB-196-EB-20240625	17742	17.00	13822	21.21	14600	23.43
20	VPB196-HYD-20240624	20430	17.00	14772	21.22	13113	23.44
21	BP-VPB-196-GW-770-772	18943	16.99	14409	21.20	13901	23.42

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN070924 SAS No.: BN070924 SDG NO.: BN070924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jul 9 2024 12:00AM

Lab File ID: BN032559.D Time Analyzed: 15:14

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	21098	17.004	17466	21.211	17306	23.426
	UPPER LIMIT	42196	17.504	34932	21.711	34612	23.926
	LOWER LIMIT	10549	16.504	8733	20.711	8653	22.926
	EPA SAMPLE NO.						
22	BP-VPB-189-GW-610-612	16823	17.00	14035	21.21	14860	23.43
23	VPB189-HYD-20240626	18659	17.02	13027	21.22	11678	23.44
24	VPB189-HYD-20240703	13936	17.02	11615	21.22	12250	23.44
25	BP-VPB-189-GW-763-765	19578	16.99	15442	21.21	14141	23.42
26	PB161831BL	15292	17.04	12121	21.23	11972	23.44
27	PB161831BS	22196	16.99	15210	21.21	14847	23.42
28	PB161831BSD	24398	16.99	17628	21.21	16890	23.42
29	BP-VPB-189-GW-638-640	16570	17.00	13896	21.21	13068	23.42
30	PB161970BL	13070	17.05	9559	21.24	10061	23.44
31	PB161970BS	29412	16.99	22175	21.20	23300	23.41
32	PB161970BSD	27709	16.99	22931	21.20	26101	23.41
33	VPB196-HYD-20240703RE	25762	17.00	18748	21.21	10330	23.43
34	VPB196-HYD-20240624RE	19329	17.02	14565	21.21	14124	23.43
35	VPB189-HYD-20240703RE	18407	17.02	14458	21.21	11819	23.42
36	PB161930BS	24484	16.99	20247	21.20	22411	23.42
37	PB161930BSD	27997	16.99	20942	21.20	19920	23.42

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN070924 SAS No.: BN070924 SDG NO.: BN070924

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

Lab File ID: BN032559.D Time Analyzed: 02:49

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	21098	17.004	17466	21.211	17306	23.426
UPPER LIMIT	42196	17.504	34932	21.711	34612	23.926
LOWER LIMIT	10549	16.504	8733	20.711	8653	22.926
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.: BN070924 SAS No.: BN070924 SDG NO.: BN070924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jul 9 2024 12:00AM

Lab File ID: BN032559.D Time Analyzed: 00:03

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	21098	17.004	17466	21.211	17306	23.426
UPPER LIMIT	42196	17.504	34932	21.711	34612	23.926
LOWER LIMIT	10549	16.504	8733	20.711	8653	22.926
EPA SAMPLE NO.						
01 ICVBN070924	21027	17.00	16744	21.21	16900	23.43
02 PB161896BL	14116	17.05	13062	21.24	12388	23.44
03 PB161896BS	18601	17.00	14856	21.21	15853	23.43
04 PB161896BSD	21923	17.00	19263	21.21	19665	23.42
05 BP-VPB-189-GW-678-680	19310	16.99	14920	21.20	14342	23.42
06 BP-VPB-189-GW-718-720	18092	16.99	16212	21.20	14982	23.42
07 GWBR-05-425-458-070224RE	28414	16.99	19023	21.20	19161	23.41
08 EB-01-070224RE	19235	17.00	17734	21.22	10517	23.44
09 BP-VPB-196-GW-810-812	26244	16.99	23331	21.20	21600	23.41

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.: BN070924 SAS No.: BN070924 SDG NO.: BN070924

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 9 2024 12:00AM

Lab File ID: BN032575.D Time Analyzed: 08:00

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	23695	16.991	19452	21.211	18537	23.423
UPPER LIMIT	47390	17.491	38904	21.711	37074	23.923
LOWER LIMIT	11847.5	16.491	9726	20.711	9268.5	22.923
EPA SAMPLE NO.						
01 PB161930BL	16228	17.04	13652	21.23	13651	23.44
02 BP-VPB-196-GW-820-822	21136	17.00	13313	21.21	1684 *	23.43
03 BP-VPB-196-GW-840-842	22934	17.00	18858	21.20	17183	23.42
04 BP-VPB-196-GW-865-867	20075	17.00	17819	21.21	16336	23.42
05 VPB196-HYD-20240703	22246	17.02	17711	21.21	10573	23.43
06 BP-VPB-196-EB-20240701	19929	17.00	15599	21.21	14416	23.43
07 BP-VPB-196-DUP-20240702	21842	16.99	15554	21.20	9064 *	23.42
08 BP-VPB-196-GW-725-727	21690	16.99	17588	21.21	10848	23.43
09 BP-VPB-196-GW-745-747	18683	16.99	8410 *	21.21	8 *	23.42
10 BP-VPB-196-EB-20240625	17742	17.00	13822	21.21	14600	23.43
11 VPB196-HYD-20240624	20430	17.00	14772	21.22	13113	23.44
12 BP-VPB-196-GW-770-772	18943	16.99	14409	21.20	13901	23.42
13 BP-VPB-189-GW-610-612	16823	17.00	14035	21.21	14860	23.43
14 VPB189-HYD-20240626	18659	17.02	13027	21.22	11678	23.44
15 VPB189-HYD-20240703	13936	17.02	11615	21.22	12250	23.44
16 BP-VPB-189-GW-763-765	19578	16.99	15442	21.21	14141	23.42

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN070924 SAS No.: BN070924 SDG NO.: BN070924

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 9 2024 12:00AM

Lab File ID: BN032575.D Time Analyzed: 17:03

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	23695	16.991	19452	21.211	18537	23.423
UPPER LIMIT	47390	17.491	38904	21.711	37074	23.923
LOWER LIMIT	11847.5	16.491	9726	20.711	9268.5	22.923
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.: BN070924 SAS No.: BN070924 SDG NO.: BN070924

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 9 2024 12:00AM

Lab File ID: BN032594.D Time Analyzed: 20:11

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	19680	17.004	13523	21.211	13240	23.423
UPPER LIMIT	39360	17.504	27046	21.711	26480	23.923
LOWER LIMIT	9840	16.504	6761.5	20.711	6620	22.923
EPA SAMPLE NO.						
01 PB161831BL	15292	17.04	12121	21.23	11972	23.44
02 PB161831BS	22196	16.99	15210	21.21	14847	23.42
03 PB161831BSD	24398	16.99	17628	21.21	16890	23.42
04 BP-VPB-189-GW-638-640	16570	17.00	13896	21.21	13068	23.42
05 PB161970BL	13070	17.05	9559	21.24	10061	23.44
06 PB161970BS	29412	16.99	22175	21.20	23300	23.41
07 PB161970BSD	27709	16.99	22931	21.20	26101	23.41
08 VPB196-HYD-20240703RE	25762	17.00	18748	21.21	10330	23.43
09 VPB196-HYD-20240624RE	19329	17.02	14565	21.21	14124	23.43
10 VPB189-HYD-20240703RE	18407	17.02	14458	21.21	11819	23.42
11 PB161930BS	24484	16.99	20247	21.20	22411	23.42
12 PB161930BSD	27997	16.99	20942	21.20	19920	23.42

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.: BN070924

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB161831BS	n-Nitrosodimethylamine	0.4	0.38	ug/L	95				33	130	
	bis(2-Chloroethyl)ether	0.4	0.36	ug/L	90				55	118	
	Naphthalene	0.4	0.39	ug/L	98				67	120	
	Hexachlorobutadiene	0.4	0.38	ug/L	95				33	114	
	2-Methylnaphthalene	0.4	0.39	ug/L	98				50	122	
	Acenaphthylene	0.4	0.34	ug/L	85				60	119	
	Acenaphthene	0.4	0.38	ug/L	95				65	119	
	Total PAH	6.4	6.03	ug/L	94				65	119	
	Fluorene	0.4	0.37	ug/L	93				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.37	ug/L	93				20	150	
	4-Bromophenyl-phenylether	0.4	0.39	ug/L	98				20	150	
	Hexachlorobenzene	0.4	0.39	ug/L	98				62	127	
	Atrazine	0.4	0.33	ug/L	83				20	150	
	Pentachlorophenol	0.8	0.38	ug/L	48				10	137	
	Phenanthrene	0.4	0.38	ug/L	95				65	117	
	Anthracene	0.4	0.34	ug/L	85				57	118	
	Fluoranthene	0.4	0.34	ug/L	85				53	126	
	Pyrene	0.4	0.42	ug/L	105				54	124	
	Benzo(a)anthracene	0.4	0.33	ug/L	83				54	130	
	Chrysene	0.4	0.41	ug/L	103				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.32	ug/L	80				40	137	
	Benzo(b)fluoranthene	0.4	0.36	ug/L	90				65	121	
	Benzo(k)fluoranthene	0.4	0.41	ug/L	103				72	119	
	Benzo(a)pyrene	0.4	0.37	ug/L	93				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.39	ug/L	98				70	127	
	Dibenz(a,h)anthracene	0.4	0.39	ug/L	98				65	121	
	Benzo(g,h,i)perylene	0.4	0.41	ug/L	103				76	117	
	1,4-Dioxane	0.4	0.38	ug/L	95				60	132	
PB161831BSD	n-Nitrosodimethylamine	0.4	0.38	ug/L	95	0			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.37	ug/L	93	3			55	118	20
	Naphthalene	0.4	0.39	ug/L	98	0			67	120	20
	Hexachlorobutadiene	0.4	0.38	ug/L	95	0			33	114	20
	2-Methylnaphthalene	0.4	0.39	ug/L	98	0			50	122	20
	Acenaphthylene	0.4	0.35	ug/L	88	3			60	119	20
	Acenaphthene	0.4	0.38	ug/L	95	0			65	119	20
	Total PAH	6.4	6.01	ug/L	94	0			65	119	20
	Fluorene	0.4	0.38	ug/L	95	3			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.36	ug/L	90	3			20	150	20
	4-Bromophenyl-phenylether	0.4	0.39	ug/L	98	0			20	150	20
	Hexachlorobenzene	0.4	0.39	ug/L	98	0			62	127	20
	Atrazine	0.4	0.33	ug/L	83	0			20	150	20
	Pentachlorophenol	0.8	0.38	ug/L	48	0			10	137	20
	Phenanthrene	0.4	0.38	ug/L	95	0			65	117	20
	Anthracene	0.4	0.34	ug/L	85	0			57	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN070924

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits	
							Qual	Qual	Low	High
PB161831BSD	Fluoranthene	0.4	0.35	ug/L	88	3			53	126
	Pyrene	0.4	0.41	ug/L	103	2			54	124
	Benzo(a)anthracene	0.4	0.33	ug/L	83	0			54	130
	Chrysene	0.4	0.41	ug/L	103	0			64	126
	bis(2-Ethylhexyl)phthalate	0.4	0.33	ug/L	83	3			40	137
	Benzo(b)fluoranthene	0.4	0.37	ug/L	93	3			65	121
	Benzo(k)fluoranthene	0.4	0.41	ug/L	103	0			72	119
	Benzo(a)pyrene	0.4	0.37	ug/L	93	0			68	120
	Indeno(1,2,3-cd)pyrene	0.4	0.38	ug/L	95	3			70	127
	Dibenz(a,h)anthracene	0.4	0.37	ug/L	93	5			65	121
	Benzo(g,h,i)perylene	0.4	0.39	ug/L	98	5			76	117
	1,4-Dioxane	0.4	0.37	ug/L	93	3			60	132

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN070924

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB161896BS	n-Nitrosodimethylamine	0.4	0.38	ug/L	95				33	130	
	bis(2-Chloroethyl)ether	0.4	0.35	ug/L	88				55	118	
	Naphthalene	0.4	0.38	ug/L	95				67	120	
	Hexachlorobutadiene	0.4	0.39	ug/L	98				33	114	
	2-Methylnaphthalene	0.4	0.38	ug/L	95				50	122	
	Acenaphthylene	0.4	0.34	ug/L	85				60	119	
	Acenaphthene	0.4	0.38	ug/L	95				65	119	
	Total PAH	6.4	5.99	ug/L	94				65	119	
	Fluorene	0.4	0.37	ug/L	93				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.33	ug/L	83				20	150	
	4-Bromophenyl-phenylether	0.4	0.39	ug/L	98				20	150	
	Hexachlorobenzene	0.4	0.39	ug/L	98				62	127	
	Atrazine	0.4	0.34	ug/L	85				20	150	
	Pentachlorophenol	0.8	0.37	ug/L	46				10	137	
	Phenanthrene	0.4	0.38	ug/L	95				65	117	
	Anthracene	0.4	0.33	ug/L	83				57	118	
	Fluoranthene	0.4	0.36	ug/L	90				53	126	
	Pyrene	0.4	0.38	ug/L	95				54	124	
	Benzo(a)anthracene	0.4	0.37	ug/L	93				54	130	
	Chrysene	0.4	0.38	ug/L	95				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.32	ug/L	80				40	137	
	Benzo(b)fluoranthene	0.4	0.36	ug/L	90				65	121	
	Benzo(k)fluoranthene	0.4	0.41	ug/L	103				72	119	
	Benzo(a)pyrene	0.4	0.37	ug/L	93				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.39	ug/L	98				70	127	
	Dibenz(a,h)anthracene	0.4	0.39	ug/L	98				65	121	
	Benzo(g,h,i)perylene	0.4	0.4	ug/L	100				76	117	
	1,4-Dioxane	0.4	0.4	ug/L	100				60	132	
PB161896BSD	n-Nitrosodimethylamine	0.4	0.38	ug/L	95	0			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.36	ug/L	90	3			55	118	20
	Naphthalene	0.4	0.39	ug/L	98	3			67	120	20
	Hexachlorobutadiene	0.4	0.39	ug/L	98	0			33	114	20
	2-Methylnaphthalene	0.4	0.39	ug/L	98	3			50	122	20
	Acenaphthylene	0.4	0.35	ug/L	88	3			60	119	20
	Acenaphthene	0.4	0.38	ug/L	95	0			65	119	20
	Total PAH	6.4	5.92	ug/L	93	1			65	119	20
	Fluorene	0.4	0.38	ug/L	95	3			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.34	ug/L	85	3			20	150	20
	4-Bromophenyl-phenylether	0.4	0.38	ug/L	95	3			20	150	20
	Hexachlorobenzene	0.4	0.38	ug/L	95	3			62	127	20
	Atrazine	0.4	0.36	ug/L	90	6			20	150	20
	Pentachlorophenol	0.8	0.38	ug/L	48	3			10	137	20
	Phenanthrene	0.4	0.38	ug/L	95	0			65	117	20
	Anthracene	0.4	0.35	ug/L	88	6			57	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN070924

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161896BSD	Fluoranthene	0.4	0.38	ug/L	95	5			53	126	20
	Pyrene	0.4	0.37	ug/L	93	3			54	124	20
	Benzo(a)anthracene	0.4	0.34	ug/L	85	8			54	130	20
	Chrysene	0.4	0.41	ug/L	103	8			64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.31	ug/L	78	3			40	137	20
	Benzo(b)fluoranthene	0.4	0.38	ug/L	95	5			65	121	20
	Benzo(k)fluoranthene	0.4	0.4	ug/L	100	2			72	119	20
	Benzo(a)pyrene	0.4	0.37	ug/L	93	0			68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.35	ug/L	88	11			70	127	20
	Dibenz(a,h)anthracene	0.4	0.34	ug/L	85	14			65	121	20
	Benzo(g,h,i)perylene	0.4	0.35	ug/L	88	13			76	117	20
	1,4-Dioxane	0.4	0.38	ug/L	95	5			60	132	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN070924

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB161930BS	n-Nitrosodimethylamine	0.4	0.39	ug/L	98				33	130		
	bis(2-Chloroethyl)ether	0.4	0.39	ug/L	98				55	118		
	Naphthalene	0.4	0.39	ug/L	98				67	120		
	Hexachlorobutadiene	0.4	0.38	ug/L	95				33	114		
	2-Methylnaphthalene	0.4	0.37	ug/L	93				50	122		
	Acenaphthylene	0.4	0.35	ug/L	88				60	119		
	Acenaphthene	0.4	0.38	ug/L	95				65	119		
	Total PAH	6.4	6.12	ug/L	96				65	119		
	Fluorene	0.4	0.36	ug/L	90				58	122		
	4,6-Dinitro-2-methylphenol	0.4	0.38	ug/L	95				20	150		
	4-Bromophenyl-phenylether	0.4	0.39	ug/L	98				20	150		
	Hexachlorobenzene	0.4	0.38	ug/L	95				62	127		
	Atrazine	0.4	0.33	ug/L	83				20	150		
	Pentachlorophenol	0.8	0.38	ug/L	48				10	137		
	Phenanthrene	0.4	0.38	ug/L	95				65	117		
	Anthracene	0.4	0.34	ug/L	85				57	118		
	Fluoranthene	0.4	0.36	ug/L	90				53	126		
	Pyrene	0.4	0.37	ug/L	93				54	124		
	Benzo(a)anthracene	0.4	0.35	ug/L	88				54	130		
	Chrysene	0.4	0.4	ug/L	100				64	126		
	bis(2-Ethylhexyl)phthalate	0.4	0.3	ug/L	75				40	137		
	Benzo(b)fluoranthene	0.4	0.38	ug/L	95				65	121		
	Benzo(k)fluoranthene	0.4	0.4	ug/L	100				72	119		
	Benzo(a)pyrene	0.4	0.38	ug/L	95				68	120		
	Indeno(1,2,3-cd)pyrene	0.4	0.42	ug/L	105				70	127		
	Dibenz(a,h)anthracene	0.4	0.42	ug/L	105				65	121		
	Benzo(g,h,i)perylene	0.4	0.44	ug/L	110				76	117		
	1,4-Dioxane	0.4	0.36	ug/L	90				60	132		
PB161930BSD	n-Nitrosodimethylamine	0.4	0.38	ug/L	95	3			33	130	20	
	bis(2-Chloroethyl)ether	0.4	0.36	ug/L	90	8			55	118	20	
	Naphthalene	0.4	0.39	ug/L	98	0			67	120	20	
	Hexachlorobutadiene	0.4	0.38	ug/L	95	0			33	114	20	
	2-Methylnaphthalene	0.4	0.39	ug/L	98	5			50	122	20	
	Acenaphthylene	0.4	0.34	ug/L	85	3			60	119	20	
	Acenaphthene	0.4	0.38	ug/L	95	0			65	119	20	
	Total PAH	6.4	6.06	ug/L	95	1			65	119	20	
	Fluorene	0.4	0.38	ug/L	95	5			58	122	20	
	4,6-Dinitro-2-methylphenol	0.4	0.38	ug/L	95	0			20	150	20	
	4-Bromophenyl-phenylether	0.4	0.38	ug/L	95	3			20	150	20	
	Hexachlorobenzene	0.4	0.38	ug/L	95	0			62	127	20	
	Atrazine	0.4	0.34	ug/L	85	3			20	150	20	
	Pentachlorophenol	0.8	0.38	ug/L	48	0			10	137	20	
	Phenanthrene	0.4	0.39	ug/L	98	3			65	117	20	
	Anthracene	0.4	0.35	ug/L	88	3			57	118	20	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN070924

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161930BSD	Fluoranthene	0.4	0.36	ug/L	90	0			53	126	20
	Pyrene	0.4	0.41	ug/L	103	10			54	124	20
	Benzo(a)anthracene	0.4	0.37	ug/L	93	6			54	130	20
	Chrysene	0.4	0.39	ug/L	98	3			64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.32	ug/L	80	6			40	137	20
	Benzo(b)fluoranthene	0.4	0.39	ug/L	98	3			65	121	20
	Benzo(k)fluoranthene	0.4	0.41	ug/L	103	2			72	119	20
	Benzo(a)pyrene	0.4	0.37	ug/L	93	3			68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.37	ug/L	93	13			70	127	20
	Dibenz(a,h)anthracene	0.4	0.37	ug/L	93	13			65	121	20
	Benzo(g,h,i)perylene	0.4	0.39	ug/L	98	12			76	117	20
	1,4-Dioxane	0.4	0.36	ug/L	90	0			60	132	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN070924

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB161970BS	n-Nitrosodimethylamine	0.4	0.37	ug/L	93				33	130	
	bis(2-Chloroethyl)ether	0.4	0.4	ug/L	100				55	118	
	Naphthalene	0.4	0.39	ug/L	98				67	120	
	Hexachlorobutadiene	0.4	0.38	ug/L	95				33	114	
	2-Methylnaphthalene	0.4	0.38	ug/L	95				50	122	
	Acenaphthylene	0.4	0.35	ug/L	88				60	119	
	Acenaphthene	0.4	0.37	ug/L	93				65	119	
	Total PAH	6.4	6.11	ug/L	95				65	119	
	Fluorene	0.4	0.36	ug/L	90				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.4	ug/L	100				20	150	
	4-Bromophenyl-phenylether	0.4	0.4	ug/L	100				20	150	
	Hexachlorobenzene	0.4	0.39	ug/L	98				62	127	
	Atrazine	0.4	0.33	ug/L	83				20	150	
	Pentachlorophenol	0.8	0.39	ug/L	49				10	137	
	Phenanthrene	0.4	0.39	ug/L	98				65	117	
	Anthracene	0.4	0.35	ug/L	88				57	118	
	Fluoranthene	0.4	0.35	ug/L	88				53	126	
	Pyrene	0.4	0.39	ug/L	98				54	124	
	Benzo(a)anthracene	0.4	0.36	ug/L	90				54	130	
	Chrysene	0.4	0.39	ug/L	98				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.3	ug/L	75				40	137	
	Benzo(b)fluoranthene	0.4	0.38	ug/L	95				65	121	
	Benzo(k)fluoranthene	0.4	0.4	ug/L	100				72	119	
	Benzo(a)pyrene	0.4	0.38	ug/L	95				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.41	ug/L	103				70	127	
	Dibenz(a,h)anthracene	0.4	0.41	ug/L	103				65	121	
	Benzo(g,h,i)perylene	0.4	0.43	ug/L	108				76	117	
	1,4-Dioxane	0.4	0.35	ug/L	88				60	132	
PB161970BSD	n-Nitrosodimethylamine	0.4	0.37	ug/L	93	0			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.41	ug/L	103	2			55	118	20
	Naphthalene	0.4	0.39	ug/L	98	0			67	120	20
	Hexachlorobutadiene	0.4	0.38	ug/L	95	0			33	114	20
	2-Methylnaphthalene	0.4	0.37	ug/L	93	3			50	122	20
	Acenaphthylene	0.4	0.34	ug/L	85	3			60	119	20
	Acenaphthene	0.4	0.37	ug/L	93	0			65	119	20
	Total PAH	6.4	6.17	ug/L	96	1			65	119	20
	Fluorene	0.4	0.36	ug/L	90	0			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.43	ug/L	108	7			20	150	20
	4-Bromophenyl-phenylether	0.4	0.4	ug/L	100	0			20	150	20
	Hexachlorobenzene	0.4	0.39	ug/L	98	0			62	127	20
	Atrazine	0.4	0.36	ug/L	90	9			20	150	20
	Pentachlorophenol	0.8	0.4	ug/L	50	3			10	137	20
	Phenanthrene	0.4	0.38	ug/L	95	3			65	117	20
	Anthracene	0.4	0.38	ug/L	95	8			57	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN070924

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161970BSD	Fluoranthene	0.4	0.38	ug/L	95	8			53	126	20
	Pyrene	0.4	0.39	ug/L	98	0			54	124	20
	Benzo(a)anthracene	0.4	0.37	ug/L	93	3			54	130	20
	Chrysene	0.4	0.4	ug/L	100	3			64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.32	ug/L	80	6			40	137	20
	Benzo(b)fluoranthene	0.4	0.37	ug/L	93	3			65	121	20
	Benzo(k)fluoranthene	0.4	0.39	ug/L	98	3			72	119	20
	Benzo(a)pyrene	0.4	0.38	ug/L	95	0			68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.42	ug/L	105	2			70	127	20
	Dibenz(a,h)anthracene	0.4	0.42	ug/L	105	2			65	121	20
	Benzo(g,h,i)perylene	0.4	0.43	ug/L	108	0			76	117	20
	1,4-Dioxane	0.4	0.36	ug/L	90	3			60	132	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBN070924

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN070924

SAS No.: BN070924 SDG NO.: BN070924

Lab File ID: BN032564.D

Lab Sample ID: SSTDICV0.4

Instrument ID: BNA_N

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 07/09/2024

Level: (low/med) LOW

Time Analyzed: 00:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBN070924	SSTDICV0.4	BN032564.D	07/09/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161831BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN070924

SAS No.: BN070924 SDG NO.: BN070924

Lab File ID: BN032595.D

Lab Sample ID: PB161831BL

Instrument ID: BNA_N

Date Extracted: 06/28/2024

Matrix: (soil/water) Water

Date Analyzed: 07/09/2024

Level: (low/med) LOW

Time Analyzed: 20:11

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161831BS	PB161831BS	BN032596.D	07/09/2024
PB161831BSD	PB161831BSD	BN032597.D	07/09/2024
BP-VPB-189-GW-638-640	P3128-06	BN032598.D	07/09/2024
BP-VPB-196-GW-725-727	P3127-02	BN032583.D	07/09/2024
BP-VPB-196-GW-745-747	P3127-03	BN032584.D	07/09/2024
BP-VPB-196-EB-20240625	P3127-04	BN032585.D	07/09/2024
VPB196-HYD-20240624	P3127-05	BN032586.D	07/09/2024
BP-VPB-196-GW-770-772	P3127-06	BN032587.D	07/09/2024
BP-VPB-189-GW-610-612	P3128-02	BN032588.D	07/09/2024
VPB189-HYD-20240626	P3128-03	BN032589.D	07/09/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161896BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN070924

SAS No.: BN070924 SDG NO.: BN070924

Lab File ID: BN032565.D

Lab Sample ID: PB161896BL

Instrument ID: BNA_N

Date Extracted: 07/03/2024

Matrix: (soil/water) Water

Date Analyzed: 07/09/2024

Level: (low/med) LOW

Time Analyzed: 00:39

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161896BS	PB161896BS	BN032566.D	07/09/2024
PB161896BSD	PB161896BSD	BN032567.D	07/09/2024
BP-VPB-189-GW-678-680	P3143-02	BN032568.D	07/09/2024
BP-VPB-189-GW-718-720	P3143-04	BN032569.D	07/09/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161930BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN070924

SAS No.: BN070924 SDG NO.: BN070924

Lab File ID: BN032576.D

Lab Sample ID: PB161930BL

Instrument ID: BNA_N

Date Extracted: 07/05/2024

Matrix: (soil/water) Water

Date Analyzed: 07/09/2024

Level: (low/med) LOW

Time Analyzed: 08:00

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-820-822	P3167-05	BN032577.D	07/09/2024
BP-VPB-196-GW-840-842	P3167-06	BN032578.D	07/09/2024
BP-VPB-196-GW-865-867	P3167-07	BN032579.D	07/09/2024
VPB196-HYD-20240703	P3167-08	BN032580.D	07/09/2024
BP-VPB-196-EB-20240701	P3167-09	BN032581.D	07/09/2024
BP-VPB-196-DUP-20240702	P3167-10	BN032582.D	07/09/2024
BP-VPB-196-GW-810-812	P3167-03	BN032572.D	07/09/2024
PB161930BS	PB161930BS	BN032605.D	07/10/2024
PB161930BSD	PB161930BSD	BN032606.D	07/10/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161970BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN070924

SAS No.: BN070924 SDG NO.: BN070924

Lab File ID: BN032599.D

Lab Sample ID: PB161970BL

Instrument ID: BNA_N

Date Extracted: 07/09/2024

Matrix: (soil/water) Water

Date Analyzed: 07/09/2024

Level: (low/med) LOW

Time Analyzed: 22:36

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161970BS	PB161970BS	BN032600.D	07/09/2024
PB161970BSD	PB161970BSD	BN032601.D	07/09/2024
VPB189-HYD-20240703	P3173-02	BN032590.D	07/09/2024
BP-VPB-189-GW-763-765	P3173-04	BN032591.D	07/09/2024

COMMENTS: _____



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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BN070924

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV0.4	ICVBN070924	BN032564.D	2-Methylnaphthalene-d10	0.4	390.00	97500	*	30	150
			Fluoranthene-d10	0.4	370.00	92500	*	30	150
			2-Fluorophenol	0.4	365.00	91250	*	10	92
			Phenol-d6	0.4	371.00	92750	*	10	100
			Nitrobenzene-d5	0.4	334.00	83500	*	11	175
			2-Fluorobiphenyl	0.4	370.00	92500	*	10	175
			2,4,6-Tribromophenol	0.4	330.00	82500	*	24	148
			Terphenyl-d14	0.4	372.00	93000	*	54	171

Surrogate Summary

SW-846

SDG No.: BN070924

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3127-02	BP-VPB-196-GW-7BN032583.D		2-Methylnaphthalene-d10	0.4	0.31	77		30	150
			Fluoranthene-d10	0.4	0.38	95		30	150
			2-Fluorophenol	0.4	0.21	52		10	92
			Phenol-d6	0.4	0.12	31		10	100
			Nitrobenzene-d5	0.4	0.24	60		11	175
			2-Fluorobiphenyl	0.4	0.36	90		10	175
			2,4,6-Tribromophenol	0.4	0.41	102		24	148
			Terphenyl-d14	0.4	0.63	157		54	171
P3127-03	BP-VPB-196-GW-7BN032584.D		2-Methylnaphthalene-d10	0.4	0.28	70		30	150
			Fluoranthene-d10	0.4	0.23	58		30	150
			2-Fluorophenol	0.4	0.22	56		10	92
			Phenol-d6	0.4	0.08	21		10	100
			Nitrobenzene-d5	0.4	0.22	55		11	175
			2-Fluorobiphenyl	0.4	0.70	176	*	10	175
			2,4,6-Tribromophenol	0.4	0.69	173	*	24	148
			Terphenyl-d14	0.4	0.72	180	*	54	171
P3127-04	BP-VPB-196-EB-2(BN032585.D		2-Methylnaphthalene-d10	0.4	0.32	80		30	150
			Fluoranthene-d10	0.4	0.36	90		30	150
			2-Fluorophenol	0.4	0.18	46		10	92
			Phenol-d6	0.4	0.07	17		10	100
			Nitrobenzene-d5	0.4	0.27	68		11	175
			2-Fluorobiphenyl	0.4	0.34	86		10	175
			2,4,6-Tribromophenol	0.4	0.29	72		24	148
			Terphenyl-d14	0.4	0.43	107		54	171
P3127-05	VPB196-HYD-2024BN032586.D		2-Methylnaphthalene-d10	0.4	0.01	2	*	30	150
			Fluoranthene-d10	0.4	0.11	27	*	30	150
			2-Fluorophenol	0.4	0.01	2	*	10	92
			Phenol-d6	0.4	0.00	0	*	10	100
			Nitrobenzene-d5	0.4	0.25	63		11	175
			2-Fluorobiphenyl	0.4	0.30	75		10	175
			2,4,6-Tribromophenol	0.4	0.26	64		24	148
			Terphenyl-d14	0.4	0.49	122		54	171
P3127-05RE	VPB196-HYD-2024BN032603.D		2-Methylnaphthalene-d10	0.4	0.01	2	*	30	150
			Fluoranthene-d10	0.4	0.11	26	*	30	150
			2-Fluorophenol	0.4	0.01	2	*	10	92
			Phenol-d6	0.4	0.00	0	*	10	100
			Nitrobenzene-d5	0.4	0.34	85		11	175
			2-Fluorobiphenyl	0.4	0.30	76		10	175
			2,4,6-Tribromophenol	0.4	0.23	58		24	148
			Terphenyl-d14	0.4	0.46	114		54	171
P3127-06	BP-VPB-196-GW-7BN032587.D		2-Methylnaphthalene-d10	0.4	0.33	82		30	150
			Fluoranthene-d10	0.4	0.30	74		30	150
			2-Fluorophenol	0.4	0.24	60		10	92
			Phenol-d6	0.4	0.22	55		10	100
			Nitrobenzene-d5	0.4	0.31	76		11	175
			2-Fluorobiphenyl	0.4	0.35	86		10	175
			2,4,6-Tribromophenol	0.4	0.26	66		24	148
			Terphenyl-d14	0.4	0.41	102		54	171
P3128-02	BP-VPB-189-GW-6BN032588.D		2-Methylnaphthalene-d10	0.4	0.27	67		30	150

Surrogate Summary

SW-846

SDG No.: BN070924

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3128-02	BP-VPB-189-GW-€BN032588.D		Fluoranthene-d10	0.4	0.34	85		30	150
			2-Fluorophenol	0.4	0.19	47		10	92
			Phenol-d6	0.4	0.07	19		10	100
			Nitrobenzene-d5	0.4	0.23	58		11	175
			2-Fluorobiphenyl	0.4	0.28	70		10	175
			2,4,6-Tribromophenol	0.4	0.29	71		24	148
			Terphenyl-d14	0.4	0.39	97		54	171
P3128-03	VPB189-HYD-202€BN032589.D		2-Methylnaphthalene-d10	0.4	0.01	1	*	30	150
			Fluoranthene-d10	0.4	0.16	40		30	150
			2-Fluorophenol	0.4	0.02	4	*	10	92
			Phenol-d6	0.4	0.00	0	*	10	100
			Nitrobenzene-d5	0.4	0.23	58		11	175
			2-Fluorobiphenyl	0.4	0.27	68		10	175
			2,4,6-Tribromophenol	0.4	0.18	44		24	148
P3128-06	BP-VPB-189-GW-€BN032598.D		Terphenyl-d14	0.4	0.43	107		54	171
			2-Methylnaphthalene-d10	0.4	0.32	79		30	150
			Fluoranthene-d10	0.4	0.37	92		30	150
			2-Fluorophenol	0.4	0.18	44		10	92
			Phenol-d6	0.4	0.11	27		10	100
			Nitrobenzene-d5	0.4	0.16	40		11	175
			2-Fluorobiphenyl	0.4	0.30	75		10	175
PB161831BL	PB161831BL	BN032595.D	2,4,6-Tribromophenol	0.4	0.28	71		24	148
			Terphenyl-d14	0.4	0.37	93		54	171
			2-Methylnaphthalene-d10	0.4	0.36	90		30	150
			Fluoranthene-d10	0.4	0.38	94		30	150
			2-Fluorophenol	0.4	0.36	90		10	92
			Phenol-d6	0.4	0.35	88		10	100
			Nitrobenzene-d5	0.4	0.34	86		11	175
PB161831BS	PB161831BS	BN032596.D	2-Fluorobiphenyl	0.4	0.34	86		10	175
			2,4,6-Tribromophenol	0.4	0.21	52		24	148
			Terphenyl-d14	0.4	0.35	88		54	171
			2-Methylnaphthalene-d10	0.4	0.39	97		30	150
			Fluoranthene-d10	0.4	0.34	86		30	150
			2-Fluorophenol	0.4	0.36	90		10	92
			Phenol-d6	0.4	0.35	88		10	100
PB161831BSD	PB161831BSD	BN032597.D	Nitrobenzene-d5	0.4	0.33	83		11	175
			2-Fluorobiphenyl	0.4	0.37	94		10	175
			2,4,6-Tribromophenol	0.4	0.31	77		24	148
			Terphenyl-d14	0.4	0.40	100		54	171
			2-Methylnaphthalene-d10	0.4	0.39	98		30	150
			Fluoranthene-d10	0.4	0.36	89		30	150
			2-Fluorophenol	0.4	0.36	89		10	92
			Phenol-d6	0.4	0.35	86		10	100
			Nitrobenzene-d5	0.4	0.33	82		11	175
			2-Fluorobiphenyl	0.4	0.37	94		10	175
			2,4,6-Tribromophenol	0.4	0.32	80		24	148
			Terphenyl-d14	0.4	0.40	100		54	171

Surrogate Summary

SW-846

SDG No.: BN070924

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3143-02	BP-VPB-189-GW-6BN032568.D		2-Methylnaphthalene-d10	0.4	0.16	39		30	150
			Fluoranthene-d10	0.4	0.20	50		30	150
			2-Fluorophenol	0.4	0.13	31		10	92
			Phenol-d6	0.4	0.10	24		10	100
			Nitrobenzene-d5	0.4	0.13	32		11	175
			2-Fluorobiphenyl	0.4	0.17	43		10	175
			2,4,6-Tribromophenol	0.4	0.18	44		24	148
			Terphenyl-d14	0.4	0.22	54		54	171
P3143-04	BP-VPB-189-GW-7BN032569.D		2-Methylnaphthalene-d10	0.4	0.35	86		30	150
			Fluoranthene-d10	0.4	0.45	112		30	150
			2-Fluorophenol	0.4	0.27	67		10	92
			Phenol-d6	0.4	0.17	42		10	100
			Nitrobenzene-d5	0.4	0.29	71		11	175
			2-Fluorobiphenyl	0.4	0.35	86		10	175
			2,4,6-Tribromophenol	0.4	0.39	98		24	148
			Terphenyl-d14	0.4	0.44	110		54	171
P3156-01RE	GWBR-05-425-458 BN032570.D		2-Methylnaphthalene-d10	0.4	0.36	89		30	150
			Fluoranthene-d10	0.4	0.34	85		30	150
			2-Fluorophenol	0.4	0.32	79		10	92
			Phenol-d6	0.4	0.26	64		10	100
			Nitrobenzene-d5	0.4	0.27	68		11	175
			2-Fluorobiphenyl	0.4	0.34	85		10	175
			2,4,6-Tribromophenol	0.4	0.33	81		24	148
			Terphenyl-d14	0.4	0.32	80		54	171
P3156-03RE	EB-01-070224RE BN032571.D		2-Methylnaphthalene-d10	0.4	0.41	103		30	150
			Fluoranthene-d10	0.4	0.46	116		30	150
			2-Fluorophenol	0.4	0.25	62		10	92
			Phenol-d6	0.4	0.12	29		10	100
			Nitrobenzene-d5	0.4	0.35	88		11	175
			2-Fluorobiphenyl	0.4	0.34	86		10	175
			2,4,6-Tribromophenol	0.4	0.35	88		24	148
			Terphenyl-d14	0.4	0.44	109		54	171
PB161896BL	PB161896BL BN032565.D		2-Methylnaphthalene-d10	0.4	0.39	97		30	150
			Fluoranthene-d10	0.4	0.46	116		30	150
			2-Fluorophenol	0.4	0.43	107	*	10	92
			Phenol-d6	0.4	0.38	94		10	100
			Nitrobenzene-d5	0.4	0.39	97		11	175
			2-Fluorobiphenyl	0.4	0.41	103		10	175
			2,4,6-Tribromophenol	0.4	0.18	45		24	148
			Terphenyl-d14	0.4	0.38	96		54	171
PB161896BS	PB161896BS BN032566.D		2-Methylnaphthalene-d10	0.4	0.38	95		30	150
			Fluoranthene-d10	0.4	0.36	91		30	150
			2-Fluorophenol	0.4	0.37	93	*	10	92
			Phenol-d6	0.4	0.33	83		10	100
			Nitrobenzene-d5	0.4	0.33	82		11	175
			2-Fluorobiphenyl	0.4	0.37	91		10	175
			2,4,6-Tribromophenol	0.4	0.31	77		24	148
			Terphenyl-d14	0.4	0.36	91		54	171
PB161896BSD	PB161896BSD	BN032567.D	2-Methylnaphthalene-d10	0.4	0.39	97		30	150



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Surrogate Summary

SW-846

SDG No.: BN070924

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB161896BSD	PB161896BSD	BN032567.D	Fluoranthene-d10	0.4	0.39	96		30	150
			2-Fluorophenol	0.4	0.36	90		10	92
			Phenol-d6	0.4	0.33	83		10	100
			Nitrobenzene-d5	0.4	0.33	83		11	175
			2-Fluorobiphenyl	0.4	0.37	92		10	175
			2,4,6-Tribromophenol	0.4	0.33	83		24	148
			Terphenyl-d14	0.4	0.36	90		54	171

Surrogate Summary

SW-846

SDG No.: BN070924

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3167-03	BP-VPB-196-GW-8BN032572.D		2-Methylnaphthalene-d10	0.4	0.31	78		30	150
			Fluoranthene-d10	0.4	0.25	62		30	150
			2-Fluorophenol	0.4	0.22	56		10	92
			Phenol-d6	0.4	0.21	51		10	100
			Nitrobenzene-d5	0.4	0.26	64		11	175
			2-Fluorobiphenyl	0.4	0.30	75		10	175
			2,4,6-Tribromophenol	0.4	0.26	66		24	148
			Terphenyl-d14	0.4	0.28	71		54	171
P3167-05	BP-VPB-196-GW-8BN032577.D		2-Methylnaphthalene-d10	0.4	0.28	71		30	150
			Fluoranthene-d10	0.4	0.28	71		30	150
			2-Fluorophenol	0.4	0.32	81		10	92
			Phenol-d6	0.4	0.24	59		10	100
			Nitrobenzene-d5	0.4	0.28	69		11	175
			2-Fluorobiphenyl	0.4	0.45	113		10	175
			2,4,6-Tribromophenol	0.4	0.39	98		24	148
			Terphenyl-d14	0.4	0.46	116		54	171
P3167-06	BP-VPB-196-GW-8BN032578.D		2-Methylnaphthalene-d10	0.4	0.31	77		30	150
			Fluoranthene-d10	0.4	0.26	65		30	150
			2-Fluorophenol	0.4	0.08	20		10	92
			Phenol-d6	0.4	0.07	19		10	100
			Nitrobenzene-d5	0.4	0.26	64		11	175
			2-Fluorobiphenyl	0.4	0.30	75		10	175
			2,4,6-Tribromophenol	0.4	0.06	16	*	24	148
			Terphenyl-d14	0.4	0.31	77		54	171
P3167-07	BP-VPB-196-GW-8BN032579.D		2-Methylnaphthalene-d10	0.4	0.27	68		30	150
			Fluoranthene-d10	0.4	0.33	83		30	150
			2-Fluorophenol	0.4	0.25	61		10	92
			Phenol-d6	0.4	0.19	48		10	100
			Nitrobenzene-d5	0.4	0.22	56		11	175
			2-Fluorobiphenyl	0.4	0.26	65		10	175
			2,4,6-Tribromophenol	0.4	0.26	66		24	148
			Terphenyl-d14	0.4	0.34	84		54	171
P3167-08	VPB196-HYD-2024BN032580.D		2-Methylnaphthalene-d10	0.4	0.00	1	*	30	150
			Fluoranthene-d10	0.4	0.21	51		30	150
			2-Fluorophenol	0.4	0.05	13		10	92
			Phenol-d6	0.4	0.01	2	*	10	100
			Nitrobenzene-d5	0.4	0.26	65		11	175
			2-Fluorobiphenyl	0.4	0.30	76		10	175
			2,4,6-Tribromophenol	0.4	0.27	68		24	148
			Terphenyl-d14	0.4	0.45	112		54	171
P3167-08RE	VPB196-HYD-2024BN032602.D		2-Methylnaphthalene-d10	0.4	0.07	16	*	30	150
			Fluoranthene-d10	0.4	0.19	48		30	150
			2-Fluorophenol	0.4	0.05	11		10	92
			Phenol-d6	0.4	0.01	2	*	10	100
			Nitrobenzene-d5	0.4	0.34	85		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	0.47	116		54	171
P3167-09	BP-VPB-196-EB-2(BN032581.D		2-Methylnaphthalene-d10	0.4	0.32	79		30	150

Surrogate Summary

SW-846

SDG No.: BN070924

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3167-09	BP-VPB-196-EB-2(BN032581.D		Fluoranthene-d10	0.4	0.38	94		30	150
			2-Fluorophenol	0.4	0.20	51		10	92
			Phenol-d6	0.4	0.08	21		10	100
			Nitrobenzene-d5	0.4	0.24	59		11	175
			2-Fluorobiphenyl	0.4	0.28	69		10	175
			2,4,6-Tribromophenol	0.4	0.29	73		24	148
			Terphenyl-d14	0.4	0.42	104		54	171
P3167-10	BP-VPB-196-DUP- BN032582.D		2-Methylnaphthalene-d10	0.4	0.32	80		30	150
			Fluoranthene-d10	0.4	0.20	51		30	150
			2-Fluorophenol	0.4	0.24	61		10	92
			Phenol-d6	0.4	0.18	44		10	100
			Nitrobenzene-d5	0.4	0.28	71		11	175
			2-Fluorobiphenyl	0.4	0.33	83		10	175
			2,4,6-Tribromophenol	0.4	0.29	73		24	148
PB161930BL	PB161930BL	BN032576.D	Terphenyl-d14	0.4	0.27	67		54	171
			2-Methylnaphthalene-d10	0.4	0.34	86		30	150
			Fluoranthene-d10	0.4	0.36	89		30	150
			2-Fluorophenol	0.4	0.40	99	*	10	92
			Phenol-d6	0.4	0.37	92		10	100
			Nitrobenzene-d5	0.4	0.33	82		11	175
			2-Fluorobiphenyl	0.4	0.33	83		10	175
PB161930BS	PB161930BS	BN032605.D	2,4,6-Tribromophenol	0.4	0.28	70		24	148
			Terphenyl-d14	0.4	0.34	84		54	171
			2-Methylnaphthalene-d10	0.4	0.37	93		30	150
			Fluoranthene-d10	0.4	0.36	90		30	150
			2-Fluorophenol	0.4	0.37	91		10	92
			Phenol-d6	0.4	0.35	88		10	100
			Nitrobenzene-d5	0.4	0.35	88		11	175
PB161930BSD	PB161930BSD	BN032606.D	2-Fluorobiphenyl	0.4	0.39	97		10	175
			2,4,6-Tribromophenol	0.4	0.29	74		24	148
			Terphenyl-d14	0.4	0.36	89		54	171
			2-Methylnaphthalene-d10	0.4	0.39	98		30	150
			Fluoranthene-d10	0.4	0.36	91		30	150
			2-Fluorophenol	0.4	0.35	88		10	92
			Phenol-d6	0.4	0.35	88		10	100
			Nitrobenzene-d5	0.4	0.34	84		11	175
			2-Fluorobiphenyl	0.4	0.37	93		10	175
			2,4,6-Tribromophenol	0.4	0.31	78		24	148
			Terphenyl-d14	0.4	0.40	99		54	171

Surrogate Summary

SW-846

SDG No.: BN070924

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3173-02	VPB189-HYD-202\BN032590.D		2-Methylnaphthalene-d10	0.4	0.01	1	*	30	150
			Fluoranthene-d10	0.4	0.32	80		30	150
			2-Fluorophenol	0.4	0.11	28		10	92
			Phenol-d6	0.4	0.00	0	*	10	100
			Nitrobenzene-d5	0.4	0.32	80		11	175
			2-Fluorobiphenyl	0.4	0.38	94		10	175
			2,4,6-Tribromophenol	0.4	0.30	74		24	148
			Terphenyl-d14	0.4	0.44	109		54	171
P3173-02RE	VPB189-HYD-202\BN032604.D		2-Methylnaphthalene-d10	0.4	0.01	2	*	30	150
			Fluoranthene-d10	0.4	0.34	84		30	150
			2-Fluorophenol	0.4	0.11	26		10	92
			Phenol-d6	0.4	0.00	0	*	10	100
			Nitrobenzene-d5	0.4	0.39	96		11	175
			2-Fluorobiphenyl	0.4	0.36	91		10	175
			2,4,6-Tribromophenol	0.4	0.31	77		24	148
			Terphenyl-d14	0.4	0.49	122		54	171
P3173-04	BP-VPB-189-GW-7\BN032591.D		2-Methylnaphthalene-d10	0.4	0.18	44		30	150
			Fluoranthene-d10	0.4	0.20	49		30	150
			2-Fluorophenol	0.4	0.06	15		10	92
			Phenol-d6	0.4	0.05	12		10	100
			Nitrobenzene-d5	0.4	0.16	41		11	175
			2-Fluorobiphenyl	0.4	0.17	43		10	175
			2,4,6-Tribromophenol	0.4	0.09	22	*	24	148
			Terphenyl-d14	0.4	0.18	45	*	54	171
PB161970BL	PB161970BL	BN032599.D	2-Methylnaphthalene-d10	0.4	0.35	88		30	150
			Fluoranthene-d10	0.4	0.35	88		30	150
			2-Fluorophenol	0.4	0.34	84		10	92
			Phenol-d6	0.4	0.34	86		10	100
			Nitrobenzene-d5	0.4	0.36	91		11	175
			2-Fluorobiphenyl	0.4	0.36	90		10	175
			2,4,6-Tribromophenol	0.4	0.19	49		24	148
			Terphenyl-d14	0.4	0.37	93		54	171
PB161970BS	PB161970BS	BN032600.D	2-Methylnaphthalene-d10	0.4	0.38	95		30	150
			Fluoranthene-d10	0.4	0.35	88		30	150
			2-Fluorophenol	0.4	0.37	91		10	92
			Phenol-d6	0.4	0.37	93		10	100
			Nitrobenzene-d5	0.4	0.35	87		11	175
			2-Fluorobiphenyl	0.4	0.39	97		10	175
			2,4,6-Tribromophenol	0.4	0.30	75		24	148
			Terphenyl-d14	0.4	0.37	93		54	171
PB161970BSD	PB161970BSD	BN032601.D	2-Methylnaphthalene-d10	0.4	0.37	93		30	150
			Fluoranthene-d10	0.4	0.37	94		30	150
			2-Fluorophenol	0.4	0.37	91		10	92
			Phenol-d6	0.4	0.37	91		10	100
			Nitrobenzene-d5	0.4	0.35	88		11	175
			2-Fluorobiphenyl	0.4	0.38	95		10	175
			2,4,6-Tribromophenol	0.4	0.31	76		24	148
			Terphenyl-d14	0.4	0.38	95		54	171

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN070924

Lab Code: CHEM

SAS No.: BN070924 SDG NO.: BN070924

Lab File ID: BN032556.D

DFTPP Injection Date: 07/08/2024

Instrument ID: BNA_N

DFTPP Injection Time: 18:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.1
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	32.9
70	Less than 2.0% of mass 69	0.2 (0.6) 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	25.8
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	11.3
442	Greater than 50% of mass 198	69.4
443	15.0 - 24.0% of mass 442	14.7 (21.2) 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	BN032557.D	07/08/2024	19:15
SSTDICC0.2	SSTDICC0.2	BN032558.D	07/08/2024	19:51
SSTDICCC0.4	SSTDICCC0.4	BN032559.D	07/08/2024	20:27
SSTDICC0.8	SSTDICC0.8	BN032560.D	07/08/2024	21:03
SSTDICC1.6	SSTDICC1.6	BN032561.D	07/08/2024	21:39
SSTDICC3.2	SSTDICC3.2	BN032562.D	07/08/2024	22:15
SSTDICC5.0	SSTDICC5.0	BN032563.D	07/08/2024	22:51
ICVBN070924	SSTDICV0.4	BN032564.D	07/09/2024	00:03
PB161896BL	PB161896BL	BN032565.D	07/09/2024	00:39
PB161896BS	PB161896BS	BN032566.D	07/09/2024	01:15
PB161896BSD	PB161896BSD	BN032567.D	07/09/2024	01:52
BP-VPB-189-GW-678-680	P3143-02	BN032568.D	07/09/2024	02:28
BP-VPB-189-GW-718-720	P3143-04	BN032569.D	07/09/2024	03:04
GWBR-05-425-458-070224RE	P3156-01RE	BN032570.D	07/09/2024	03:40
EB-01-070224RE	P3156-03RE	BN032571.D	07/09/2024	04:17
BP-VPB-196-GW-810-812	P3167-03	BN032572.D	07/09/2024	04:53
SSTDCCC0.4EC	SSTDCCC0.4	BN032573.D	07/09/2024	05:29

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN070924

Lab Code: CHEM

SAS No.: BN070924 SDG NO.: BN070924

Lab File ID: BN032574.D

DFTPP Injection Date: 07/09/2024

Instrument ID: BNA_N

DFTPP Injection Time: 06:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.7
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.8
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.2
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	6.9
275	10.0 - 60.0% of mass 198	27
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	10.1
442	Greater than 50% of mass 198	68.8
443	15.0 - 24.0% of mass 442	13.5 (19.6) 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	BN032575.D	07/09/2024	07:24
PB161930BL	PB161930BL	BN032576.D	07/09/2024	08:00
BP-VPB-196-GW-820-822	P3167-05	BN032577.D	07/09/2024	08:36
BP-VPB-196-GW-840-842	P3167-06	BN032578.D	07/09/2024	09:13
BP-VPB-196-GW-865-867	P3167-07	BN032579.D	07/09/2024	09:49
VPB196-HYD-20240703	P3167-08	BN032580.D	07/09/2024	10:25
BP-VPB-196-EB-20240701	P3167-09	BN032581.D	07/09/2024	11:01
BP-VPB-196-DUP-20240702	P3167-10	BN032582.D	07/09/2024	11:37
BP-VPB-196-GW-725-727	P3127-02	BN032583.D	07/09/2024	12:13
BP-VPB-196-GW-745-747	P3127-03	BN032584.D	07/09/2024	12:50
BP-VPB-196-EB-20240625	P3127-04	BN032585.D	07/09/2024	13:26
VPB196-HYD-20240624	P3127-05	BN032586.D	07/09/2024	14:02
BP-VPB-196-GW-770-772	P3127-06	BN032587.D	07/09/2024	14:38
BP-VPB-189-GW-610-612	P3128-02	BN032588.D	07/09/2024	15:14
VPB189-HYD-20240626	P3128-03	BN032589.D	07/09/2024	15:50
VPB189-HYD-20240703	P3173-02	BN032590.D	07/09/2024	16:27
BP-VPB-189-GW-763-765	P3173-04	BN032591.D	07/09/2024	17:03
SSTDCCC0.4EC	SSTDCCC0.4	BN032592.D	07/09/2024	17:39

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN070924

Lab Code: CHEM

SAS No.: BN070924

SDG NO.: BN070924

Lab File ID: BN032593.D

DFTPP Injection Date: 07/09/2024

Instrument ID: BNA_N

DFTPP Injection Time: 18:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.8
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	33.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.2
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	10.2
442	Greater than 50% of mass 198	75.7
443	15.0 - 24.0% of mass 442	14.9 (19.7) 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	BN032594.D	07/09/2024	19:34
PB161831BL	PB161831BL	BN032595.D	07/09/2024	20:11
PB161831BS	PB161831BS	BN032596.D	07/09/2024	20:47
PB161831BSD	PB161831BSD	BN032597.D	07/09/2024	21:23
BP-VPB-189-GW-638-640	P3128-06	BN032598.D	07/09/2024	21:59
PB161970BL	PB161970BL	BN032599.D	07/09/2024	22:36
PB161970BS	PB161970BS	BN032600.D	07/09/2024	23:12
PB161970BSD	PB161970BSD	BN032601.D	07/09/2024	23:48
VPB196-HYD-20240703RE	P3167-08RE	BN032602.D	07/10/2024	00:24
VPB196-HYD-20240624RE	P3127-05RE	BN032603.D	07/10/2024	01:00
VPB189-HYD-20240703RE	P3173-02RE	BN032604.D	07/10/2024	01:36
PB161930BS	PB161930BS	BN032605.D	07/10/2024	02:12
PB161930BSD	PB161930BSD	BN032606.D	07/10/2024	02:49
SSTDCCC0.4EC	SSTDCCC0.4	BN032607.D	07/10/2024	03:25