

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: 7/8/2024 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:	7/1/2024 12:00:00 AM
Project:		Date Received:	7/1/2024 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:	7/1/2024 12:00:00 AM
Project:		Date Received:	7/1/2024 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
Total PAH	Total PAH	0.62	U	0.62	0.14	2.24	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.14	0.14	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-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-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-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-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				

Hit Summary Sheet SW-846

SDG No.: BN070924

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : BP-VPB-189-GW-678-680							
P3143-02	BP-VPB-189-GW-678-680	Water	1,4-Dioxane	3.800		0.08	0.24 ug/L
P3143-02	BP-VPB-189-GW-678-680	Water	Bis(2-ethylhexyl)phthalate	12.400	E	0.17	0.24 ug/L
P3143-02	BP-VPB-189-GW-678-680	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-718-720	Water	1,4-Dioxane	2.000		0.09	0.26 ug/L
P3143-04	BP-VPB-189-GW-718-720	Water	Acenaphthene	0.030	J	0.03	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-720	Water	Acenaphthylene	0.030	J	0.03	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-720	Water	Anthracene	0.040	J	0.03	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-720	Water	Benzo(a)anthracene	0.050	J	0.03	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-720	Water	Benzo(b)fluoranthene	0.050	J	0.04	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-720	Water	Benzo(k)fluoranthene	0.060	J	0.04	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-720	Water	Chrysene	0.060	J	0.03	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-720	Water	Fluoranthene	0.060	J	0.03	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-720	Water	Fluorene	0.030	J	0.02	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-720	Water	Naphthalene	0.030	J	0.03	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-720	Water	Phenanthrene	0.050	J	0.03	0.13 ug/L
P3143-04	BP-VPB-189-GW-718-720	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-GW-810-812							
P3167-03	BP-VPB-GW-810-812	Water	Bis(2-ethylhexyl)phthalate	28.600		1.4	2 ug/L

Hit Summary Sheet SW-846

SDG No.: BN070924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
P3167-03	BP-VPB-GW-810-812	Water	Naphthalene	1.100		0.24	1	ug/L
P3167-03	BP-VPB-GW-810-812	Water	Phenanthrene	0.390	J	0.2	1	ug/L
Total Svoc :				30.09				
Total Concentration:				30.09				
Client ID : BP-VPB-GW-820-822								
P3167-05	BP-VPB-GW-820-822	Water	1,4-Dioxane	0.840	J	0.68	2	ug/L
P3167-05	BP-VPB-GW-820-822	Water	Bis(2-ethylhexyl)phthalate	4.300		1.4	2	ug/L
P3167-05	BP-VPB-GW-820-822	Water	Fluorene	0.230	J	0.18	1	ug/L
P3167-05	BP-VPB-GW-820-822	Water	Naphthalene	0.290	J	0.24	1	ug/L
P3167-05	BP-VPB-GW-820-822	Water	Phenanthrene	0.280	J	0.2	1	ug/L
Total Svoc :				5.94				
Total Concentration:				5.94				
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
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



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
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-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-GW-820-822	5832	7.59	18693	10.37	7965	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.

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-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.

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: 08:00

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	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-GW-820-822	5832	7.59	18693	10.37	7965	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.

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-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-GW-820-822	21136	17.00	13313	21.21	1684 *	23.43

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-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-GW-820-822	21136	17.00	13313	21.21	1684 *	23.43

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

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.

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-GW-820-822	P3167-05	BN032577.D	07/09/2024
BP-VPB-GW-810-812	P3167-03	BN032572.D	07/09/2024

COMMENTS: _____



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



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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
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-GW-810-8BN032572.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-GW-820-8BN032577.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
PB161930BL	PB161930BL	BN032576.D	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
			2,4,6-Tribromophenol	0.4	0.28	70		24	148
			Terphenyl-d14	0.4	0.34	84		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-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-GW-820-822	P3167-05	BN032577.D	07/09/2024	08:36