

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN081924 SAS No.: BN081924 SDG No.: BN081924

Instrument ID: BNA_N Calibration Date/Time: 8/20/2024 1:04:44

Lab File ID: BN033489.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	0.572	0.523		-8.566	20.0
Fluoranthene-d10	0.961	0.802		-16.545	20.0
n-Nitrosodimethylamine	0.535	0.463		-13.458	20.0
2-Fluorophenol	1.271	1.003		-21.086	20.0
Phenol-d6	1.512	1.274		-15.741	20.0
bis(2-Chloroethyl) ether	1.072	1.015		-5.317	20.0
Nitrobenzene-d5	0.332	0.284		-14.458	20.0
Naphthalene	1.069	0.986		-7.764	20.0
Hexachlorobutadiene	0.213	0.196		-7.981	20.0
2-Methylnaphthalene	0.677	0.626		-7.533	20.0
2-Fluorobiphenyl	1.634	1.511		-7.528	20.0
Acenaphthylene	1.754	1.526		-12.999	20.0
Acenaphthene	1.234	1.122		-9.076	20.0
Fluorene	1.555	1.402		-9.839	20.0
4,6-Dinitro-2-methylphenol	0.062	0.044		-29.032	20.0
2,4,6-Tribromophenol	0.215	0.163		-24.186	20.0
4-Bromophenyl-phenylether	0.243	0.219		-9.877	20.0
Hexachlorobenzene	0.268	0.255		-4.851	20.0
Atrazine	0.194	0.158		-18.557	20.0
Pentachlorophenol	0.116	0.084		-27.586	20.0
Phenanthrene	1.113	1.038		-6.739	20.0
Anthracene	0.985	0.858		-12.893	20.0
Fluoranthene	1.230	1.056		-14.146	20.0
Pyrene	1.785	1.802		0.952	20.0
Terphenyl-d14	0.909	0.886		-2.53	20.0
Benzo(a)anthracene	1.446	1.315		-9.059	20.0
Chrysene	1.437	1.353		-5.846	20.0
Bis(2-ethylhexyl)phthalate	0.915	0.740		-19.126	20.0
Benzo(b)fluoranthene	1.494	1.423		-4.752	20.0
Benzo(k)fluoranthene	1.470	1.396		-5.034	20.0
Benzo(a)pyrene	1.236	1.083		-12.379	20.0
Indeno(1,2,3-cd)pyrene	1.661	1.557		-6.261	20.0
Dibenzo(a,h)anthracene	1.328	1.239		-6.702	20.0
Benzo(g,h,i)perylene	1.420	1.309		-7.817	20.0
1,4-Dioxane	0.460	0.396		-13.913	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.: BN081924 SAS No.: BN081924 SDG No.: BN081924

Instrument ID: BNA_N Calibration Date/Time: 8/19/2024 1:17:28

Lab File ID: BN033481.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	0.572	0.492		-13.986	20.0
Fluoranthene-d10	0.961	0.870		-9.469	20.0
n-Nitrosodimethylamine	0.535	0.456		-14.766	20.0
2-Fluorophenol	1.271	1.267		-0.315	20.0
Phenol-d6	1.512	1.360		-10.053	20.0
bis(2-Chloroethyl) ether	1.072	0.753		-29.757	20.0
Nitrobenzene-d5	0.332	0.303		-8.735	20.0
Naphthalene	1.069	0.947		-11.413	20.0
Hexachlorobutadiene	0.213	0.192		-9.859	20.0
2-Methylnaphthalene	0.677	0.586		-13.442	20.0
2-Fluorobiphenyl	1.634	1.487		-8.996	20.0
Acenaphthylene	1.754	1.535		-12.486	20.0
Acenaphthene	1.234	1.104		-10.535	20.0
Fluorene	1.555	1.381		-11.19	20.0
4,6-Dinitro-2-methylphenol	0.062	0.051		-17.742	20.0
2,4,6-Tribromophenol	0.215	0.185		-13.953	20.0
4-Bromophenyl-phenylether	0.243	0.222		-8.642	20.0
Hexachlorobenzene	0.268	0.249		-7.09	20.0
Atrazine	0.194	0.173		-10.825	20.0
Pentachlorophenol	0.116	0.097		-16.379	20.0
Phenanthrene	1.113	1.033		-7.188	20.0
Anthracene	0.985	0.876		-11.066	20.0
Fluoranthene	1.230	1.106		-10.081	20.0
Pyrene	1.785	1.704		-4.538	20.0
Terphenyl-d14	0.909	0.862		-5.171	20.0
Benzo(a)anthracene	1.446	1.317		-8.921	20.0
Chrysene	1.437	1.331		-7.376	20.0
Bis(2-ethylhexyl)phthalate	0.915	0.814		-11.038	20.0
Benzo(b)fluoranthene	1.494	1.336		-10.576	20.0
Benzo(k)fluoranthene	1.470	1.324		-9.932	20.0
Benzo(a)pyrene	1.236	1.096		-11.327	20.0
Indeno(1,2,3-cd)pyrene	1.661	1.535		-7.586	20.0
Dibenzo(a,h)anthracene	1.328	1.231		-7.304	20.0
Benzo(g,h,i)perylene	1.420	1.296		-8.732	20.0
1,4-Dioxane	0.460	0.329		-28.478	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:	SSTDCCC0.4			SDG No.:	BN081924		
Lab Sample ID:	SSTDCCC0.4			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
BN033477.D	1		8/19/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	310		30	200	200	ug/L
111-44-4	bis(2-Chloroethyl)ether	360		28	100	100	ug/L
91-20-3	Naphthalene	360		24	100	100	ug/L
87-68-3	Hexachlorobutadiene	370		26	100	100	ug/L
91-57-6	2-Methylnaphthalene	330		30	100	100	ug/L
208-96-8	Acenaphthylene	330		21	100	100	ug/L
83-32-9	Acenaphthene	340		20	100	100	ug/L
Total PAH	Total PAH	5540		456	100	1600	ug/L
86-73-7	Fluorene	310		18	100	100	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	220		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	360		90	200	200	ug/L
85-01-8	Phenanthrene	350		20	100	100	ug/L
120-12-7	Anthracene	330		24	100	100	ug/L
206-44-0	Fluoranthene	310		23	100	100	ug/L
129-00-0	Pyrene	360		22	100	100	ug/L
56-55-3	Benzo(a)anthracene	350		22	100	100	ug/L
218-01-9	Chrysene	360		26	100	100	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	410		140	200	200	ug/L
205-99-2	Benzo(b)fluoranthene	360		32	100	100	ug/L
207-08-9	Benzo(k)fluoranthene	340		34	100	100	ug/L
50-32-8	Benzo(a)pyrene	360		56	100	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	360		38	100	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	360		39	100	100	ug/L
191-24-2	Benzo(g,h,i)perylene	360		37	100	100	ug/L
123-91-1	1,4-Dioxane	360		68	200	200	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SSTDCCC0.4			SDG No.:	BN081924		
Lab Sample ID:	SSTDCCC0.4			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
BN033477.D	1		8/19/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	342	*	20-139		85500	SPK: -0.4
93951-69-0	Fluoranthene-d10	326	*	30-150		81500	SPK: -0.4
367-12-4	2-Fluorophenol	376	*	10-100		94000	SPK: -0.4
13127-88-3	Phenol-d6	360	*	10-100		90000	SPK: -0.4
4165-60-0	Nitrobenzene-d5	380	*	27-123		95000	SPK: -0.4
321-60-8	2-Fluorobiphenyl	382	*	34-132		95500	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	295	*	10-131		73750	SPK: -0.4
1718-51-0	Terphenyl-d14	394	*	35-157		98500	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	10585	7.559				
1146-65-2	Naphthalene-d8	28337	10.314				
15067-26-2	Acenaphthene-d10	13371	14.189				
1517-22-2	Phenanthrene-d10	24277	16.942				
1719-03-5	Chrysene-d12	18629	21.148				
1520-96-3	Perylene-d12	20658	23.326				

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBN081924	SDG No.:	BN081924
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
BN033486.D	1		8/20/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	440		30	200	200	ug/L
111-44-4	bis(2-Chloroethyl)ether	400		28	100	100	ug/L
91-20-3	Naphthalene	370		24	100	100	ug/L
87-68-3	Hexachlorobutadiene	360		26	100	100	ug/L
91-57-6	2-Methylnaphthalene	370		30	100	100	ug/L
208-96-8	Acenaphthylene	340		21	100	100	ug/L
83-32-9	Acenaphthene	360		20	100	100	ug/L
Total PAH	Total PAH	5800		456	100	1600	ug/L
86-73-7	Fluorene	350		18	100	100	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	320		140	200	200	ug/L
101-55-3	4-Bromophenyl-phenylether	370		26	100	100	ug/L
118-74-1	Hexachlorobenzene	380		29	100	100	ug/L
1912-24-9	Atrazine	340		23	100	100	ug/L
87-86-5	Pentachlorophenol	290		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	350		23	100	100	ug/L
129-00-0	Pyrene	400		22	100	100	ug/L
56-55-3	Benzo(a)anthracene	360		22	100	100	ug/L
218-01-9	Chrysene	370		26	100	100	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	320		140	200	200	ug/L
205-99-2	Benzo(b)fluoranthene	360		32	100	100	ug/L
207-08-9	Benzo(k)fluoranthene	370		34	100	100	ug/L
50-32-8	Benzo(a)pyrene	350		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	360		37	100	100	ug/L
123-91-1	1,4-Dioxane	480		68	200	200	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBN081924			SDG No.:	BN081924		
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
BN033486.D	1		8/20/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	367	*	20-139		91750	SPK: -0.4
93951-69-0	Fluoranthene-d10	345	*	30-150		86250	SPK: -0.4
367-12-4	2-Fluorophenol	462	*	10-100		115500	SPK: -0.4
13127-88-3	Phenol-d6	497	*	10-100		124250	SPK: -0.4
4165-60-0	Nitrobenzene-d5	362	*	27-123		90500	SPK: -0.4
321-60-8	2-Fluorobiphenyl	358	*	34-132		89500	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	317	*	10-131		79250	SPK: -0.4
1718-51-0	Terphenyl-d14	399	*	35-157		99750	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	12026	7.552				
1146-65-2	Naphthalene-d8	33045	10.314				
15067-26-2	Acenaphthene-d10	17848	14.189				
1517-22-2	Phenanthrene-d10	35827	16.942				
1719-03-5	Chrysene-d12	21483	21.148				
1520-96-3	Perylene-d12	20739	23.314				

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	PB162787BL	SDG No.:	BN081924
Lab Sample ID:	PB162787BL	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
BN033487.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162787

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:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	PB162787BL	SDG No.:	BN081924
Lab Sample ID:	PB162787BL	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
BN033487.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162787

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.304		20-139		76	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.293		30-150		73	SPK: -0.4
367-12-4	2-Fluorophenol	0.261		10-100		65	SPK: -0.4
13127-88-3	Phenol-d6	0.253		10-100		63	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.308		27-123		77	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.327		34-132		82	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.201		10-131		50	SPK: -0.4
1718-51-0	Terphenyl-d14	0.369		35-157		92	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9357	7.552				
1146-65-2	Naphthalene-d8	24160	10.314				
15067-26-2	Acenaphthene-d10	11079	14.189				
1517-22-2	Phenanthrene-d10	21468	16.942				
1719-03-5	Chrysene-d12	12188	21.148				
1520-96-3	Perylene-d12	13144	23.32				

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162821BL	SDG No.:	BN081924
Lab Sample ID:	PB162821BL	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
BN033490.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162821

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:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162821BL	SDG No.:	BN081924
Lab Sample ID:	PB162821BL	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
BN033490.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		20-139		80	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.31		30-150		77	SPK: -0.4
367-12-4	2-Fluorophenol	0.273		10-100		68	SPK: -0.4
13127-88-3	Phenol-d6	0.263		10-100		66	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.325		27-123		81	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.359		34-132		90	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.195		10-131		49	SPK: -0.4
1718-51-0	Terphenyl-d14	0.359		35-157		90	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8454	7.552				
1146-65-2	Naphthalene-d8	21595	10.314				
15067-26-2	Acenaphthene-d10	9514	14.189				
1517-22-2	Phenanthrene-d10	18114	16.942				
1719-03-5	Chrysene-d12	11029	21.148				
1520-96-3	Perylene-d12	11535	23.317				

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162821BS	SDG No.:	BN081924
Lab Sample ID:	PB162821BS	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
BN033491.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.35		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.38		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.37		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.36		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.36		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.37		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.37		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.46		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.34		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.29		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.36		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.38		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.32		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.58		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.38		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.36		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.33		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	0.41		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.44		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	0.42		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.43		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.44		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.48		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.47		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.46		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.29		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162821BS	SDG No.:	BN081924
Lab Sample ID:	PB162821BS	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
BN033491.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.448		20-139		112	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.318		30-150		79	SPK: -0.4
367-12-4	2-Fluorophenol	0.277		10-100		69	SPK: -0.4
13127-88-3	Phenol-d6	0.269		10-100		67	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.337		27-123		84	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.372		34-132		93	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.235		10-131		59	SPK: -0.4
1718-51-0	Terphenyl-d14	0.378		35-157		94	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7907	7.552				
1146-65-2	Naphthalene-d8	19971	10.314				
15067-26-2	Acenaphthene-d10	9237	14.189				
1517-22-2	Phenanthrene-d10	17236	16.942				
1719-03-5	Chrysene-d12	10225	21.148				
1520-96-3	Perylene-d12	10409	23.317				

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162821BSD	SDG No.:	BN081924
Lab Sample ID:	PB162821BSD	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
BN033492.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.36		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.4		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	0.38		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	0.38		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.39		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.73		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	0.31		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.37		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.39		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	0.61		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.4		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	0.36		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	0.41		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.44		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	0.45		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.46		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.47		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.5		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.5		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.48		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.31		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	8/19/2024 12:00:00 AM
Project:		Date Received:	8/19/2024 12:00:00 AM
Client Sample ID:	PB162821BSD	SDG No.:	BN081924
Lab Sample ID:	PB162821BSD	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
BN033492.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.452		20-139		113	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.348		30-150		87	SPK: -0.4
367-12-4	2-Fluorophenol	0.29		10-100		72	SPK: -0.4
13127-88-3	Phenol-d6	0.279		10-100		70	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.36		27-123		90	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.394		34-132		98	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.237		10-131		59	SPK: -0.4
1718-51-0	Terphenyl-d14	0.358		35-157		90	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6514	7.552				
1146-65-2	Naphthalene-d8	16349	10.314				
15067-26-2	Acenaphthene-d10	7352	14.188				
1517-22-2	Phenanthrene-d10	13832	16.941				
1719-03-5	Chrysene-d12	9514	21.148				
1520-96-3	Perylene-d12	9586	23.314				

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	PB162787BS	SDG No.:	BN081924
Lab Sample ID:	PB162787BS	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
BN033493.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162787

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.36		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.38		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.36		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.36		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.36		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.36		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.36		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.1		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.34		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.27		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.36		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.38		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.31		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.43		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.38		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.36		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.33		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	0.38		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	0.29		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	0.39		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.4		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.44		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.43		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.41		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.29		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	PB162787BS	SDG No.:	BN081924
Lab Sample ID:	PB162787BS	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
BN033493.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162787

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.406		20-139		101	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.309		30-150		77	SPK: -0.4
367-12-4	2-Fluorophenol	0.266		10-100		67	SPK: -0.4
13127-88-3	Phenol-d6	0.261		10-100		65	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.333		27-123		83	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.363		34-132		91	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.21		10-131		52	SPK: -0.4
1718-51-0	Terphenyl-d14	0.362		35-157		90	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7475	7.552				
1146-65-2	Naphthalene-d8	18804	10.314				
15067-26-2	Acenaphthene-d10	8660	14.189				
1517-22-2	Phenanthrene-d10	16363	16.942				
1719-03-5	Chrysene-d12	9727	21.148				
1520-96-3	Perylene-d12	9901	23.314				

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	PB162787BSD	SDG No.:	BN081924
Lab Sample ID:	PB162787BSD	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
BN033494.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162787

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	0.38		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.38		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.38		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	0.37		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.64		0.45	0.1	1.6	ug/L
83-32-9	Acenaphthene	0.38		0.02	0.1	0.1	ug/L
86-73-7	Fluorene	0.35		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.3		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.37		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.39		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.32		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.6		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	0.38		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	0.42		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.46		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	0.44		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.43		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.46		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.49		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.48		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.47		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.31		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	8/16/2024 12:00:00 AM
Project:		Date Received:	8/16/2024 12:00:00 AM
Client Sample ID:	PB162787BSD	SDG No.:	BN081924
Lab Sample ID:	PB162787BSD	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
BN033494.D	1	8/16/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162787

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.438		20-139		109	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.33		30-150		83	SPK: -0.4
367-12-4	2-Fluorophenol	0.274		10-100		68	SPK: -0.4
13127-88-3	Phenol-d6	0.265		10-100		66	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.348		27-123		87	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.379		34-132		95	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.231		10-131		58	SPK: -0.4
1718-51-0	Terphenyl-d14	0.372		35-157		93	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6965	7.552				
1146-65-2	Naphthalene-d8	17427	10.314				
15067-26-2	Acenaphthene-d10	7934	14.189				
1517-22-2	Phenanthrene-d10	14715	16.942				
1719-03-5	Chrysene-d12	9170	21.148				
1520-96-3	Perylene-d12	9473	23.317				

Report of Analysis

Client:		Date Collected:	8/14/2024 12:00:00 AM
Project:		Date Received:	8/14/2024 12:00:00 AM
Client Sample ID:	RW7-SP100-20240814	SDG No.:	BN081924
Lab Sample ID:	P3650-01	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033495.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162821

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	0.04	J	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	0.03	J	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.04	J	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.15	J	0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	J	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	J	0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	J	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.04	J	0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.04	J	0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	5.7	E	0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	8/14/2024 12:00:00 AM
Project:		Date Received:	8/14/2024 12:00:00 AM
Client Sample ID:	RW7-SP100-20240814	SDG No.:	BN081924
Lab Sample ID:	P3650-01	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033495.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.332		20-139		83	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.389		30-150		97	SPK: -0.4
367-12-4	2-Fluorophenol	0.112		10-100		28	SPK: -0.4
13127-88-3	Phenol-d6	0.068		10-100		17	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.331		27-123		83	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.358		34-132		90	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.246		10-131		62	SPK: -0.4
1718-51-0	Terphenyl-d14	0.481		35-157		120	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6912	7.552				
1146-65-2	Naphthalene-d8	17753	10.314				
15067-26-2	Acenaphthene-d10	8637	14.189				
1517-22-2	Phenanthrene-d10	17500	16.942				
1719-03-5	Chrysene-d12	11339	21.148				
1520-96-3	Perylene-d12	10839	23.318				

Report of Analysis

Client:		Date Collected:	8/14/2024 12:00:00 AM
Project:		Date Received:	8/14/2024 12:00:00 AM
Client Sample ID:	RW7-SP201-20240814	SDG No.:	BN081924
Lab Sample ID:	P3650-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033496.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162821

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	0.47	U	0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.03	U	0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.03	U	0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.02	U	0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.09	U	0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.02	U	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	J	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.04	J	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.33		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.1		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.09	J	0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.06	J	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.08	J	0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.08	J	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:	8/14/2024 12:00:00 AM
Project:		Date Received:	8/14/2024 12:00:00 AM
Client Sample ID:	RW7-SP201-20240814	SDG No.:	BN081924
Lab Sample ID:	P3650-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033496.D	1	8/19/2024 12:00:00 AM	8/20/2024 12:00:00 AM	PB162821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.326		20-139		81	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.367		30-150		92	SPK: -0.4
367-12-4	2-Fluorophenol	0.081		10-100		20	SPK: -0.4
13127-88-3	Phenol-d6	0.062		10-100		16	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.306		27-123		76	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.346		34-132		86	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.154		10-131		38	SPK: -0.4
1718-51-0	Terphenyl-d14	0.461		35-157		115	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7590	7.552				
1146-65-2	Naphthalene-d8	20313	10.314				
15067-26-2	Acenaphthene-d10	10315	14.189				
1517-22-2	Phenanthrene-d10	21906	16.942				
1719-03-5	Chrysene-d12	12836	21.148				
1520-96-3	Perylene-d12	4363	23.317				

Hit Summary Sheet SW-846

SDG No.: BN081924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : RW7-SP100-20240814								
P3650-01	RW7-SP100-20240814	Water	1,4-Dioxane	5.700	E	0.07	0.2	ug/L
P3650-01	RW7-SP100-20240814	Water	Benzo(a)anthracene	0.030	J	0.02	0.1	ug/L
P3650-01	RW7-SP100-20240814	Water	Benzo(b)fluoranthene	0.040	J	0.03	0.1	ug/L
P3650-01	RW7-SP100-20240814	Water	Benzo(g,h,i)perylene	0.040	J	0.04	0.1	ug/L
P3650-01	RW7-SP100-20240814	Water	Benzo(k)fluoranthene	0.040	J	0.03	0.1	ug/L
P3650-01	RW7-SP100-20240814	Water	bis(2-Chloroethyl)ether	0.040	J	0.03	0.1	ug/L
P3650-01	RW7-SP100-20240814	Water	Bis(2-ethylhexyl)phthalate	0.150	J	0.14	0.2	ug/L
P3650-01	RW7-SP100-20240814	Water	Chrysene	0.040	J	0.03	0.1	ug/L
P3650-01	RW7-SP100-20240814	Water	Dibenzo(a,h)anthracene	0.040	J	0.04	0.1	ug/L
P3650-01	RW7-SP100-20240814	Water	Indeno(1,2,3-cd)pyrene	0.040	J	0.04	0.1	ug/L
Total Svoc :						6.16		
Total Concentration:						6.16		
Client ID : RW7-SP201-20240814								
P3650-02	RW7-SP201-20240814	Water	Benzo(a)anthracene	0.020	J	0.02	0.1	ug/L
P3650-02	RW7-SP201-20240814	Water	Benzo(b)fluoranthene	0.100		0.03	0.1	ug/L
P3650-02	RW7-SP201-20240814	Water	Benzo(g,h,i)perylene	0.080	J	0.04	0.1	ug/L
P3650-02	RW7-SP201-20240814	Water	Benzo(k)fluoranthene	0.090	J	0.03	0.1	ug/L
P3650-02	RW7-SP201-20240814	Water	Bis(2-ethylhexyl)phthalate	0.330		0.14	0.2	ug/L
P3650-02	RW7-SP201-20240814	Water	Chrysene	0.040	J	0.03	0.1	ug/L
P3650-02	RW7-SP201-20240814	Water	Dibenzo(a,h)anthracene	0.080	J	0.04	0.1	ug/L
P3650-02	RW7-SP201-20240814	Water	Indeno(1,2,3-cd)pyrene	0.060	J	0.04	0.1	ug/L
Total Svoc :						0.80		
Total Concentration:						0.80		
Client ID : SSTDCCC0.4								
SSTDCCC0.4	SSTDCCC0.4	Water	1,4-Dioxane	360.000		68	200	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	2-Methylnaphthalene	330.000		30	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	4,6-Dinitro-2-methylphenol	220.000		140	200	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	4-Bromophenyl-phenylether	380.000		26	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Acenaphthene	340.000		20	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Acenaphthylene	330.000		21	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Anthracene	330.000		24	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Atrazine	340.000		23	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Benzo(a)anthracene	350.000		22	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Benzo(a)pyrene	360.000		56	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Benzo(b)fluoranthene	360.000		32	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Benzo(g,h,i)perylene	360.000		37	100	ug/L

Hit Summary Sheet SW-846

SDG No.: BN081924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDCCC0.4	SSTDCCC0.4	Water	Benzo(k)fluoranthene	340.000	34		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	bis(2-Chloroethyl)ether	360.000	28		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Bis(2-ethylhexyl)phthalate	410.000	140		200	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Chrysene	360.000	26		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Dibenzo(a,h)anthracene	360.000	39		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Fluoranthene	310.000	23		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Fluorene	310.000	18		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Hexachlorobenzene	390.000	29		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Hexachlorobutadiene	370.000	26		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Indeno(1,2,3-cd)pyrene	360.000	38		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	n-Nitrosodimethylamine	310.000	30		200	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Naphthalene	360.000	24		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Pentachlorophenol	360.000	90		200	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Phenanthrene	350.000	20		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Pyrene	360.000	22		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Total PAH	5,540.000	456		1600	ug/L
Total Svoc :				14,910.00				
Total Concentration:				14,910.00				

Client ID : ICVBN081924

SSTDICV0.4	ICVBN081924	Water	1,4-Dioxane	480.000	68		200	ug/L
SSTDICV0.4	ICVBN081924	Water	2-Methylnaphthalene	370.000	30		100	ug/L
SSTDICV0.4	ICVBN081924	Water	4,6-Dinitro-2-methylphenol	320.000	140		200	ug/L
SSTDICV0.4	ICVBN081924	Water	4-Bromophenyl-phenylether	370.000	26		100	ug/L
SSTDICV0.4	ICVBN081924	Water	Acenaphthene	360.000	20		100	ug/L
SSTDICV0.4	ICVBN081924	Water	Acenaphthylene	340.000	21		100	ug/L
SSTDICV0.4	ICVBN081924	Water	Anthracene	350.000	24		100	ug/L
SSTDICV0.4	ICVBN081924	Water	Atrazine	340.000	23		100	ug/L
SSTDICV0.4	ICVBN081924	Water	Benzo(a)anthracene	360.000	22		100	ug/L
SSTDICV0.4	ICVBN081924	Water	Benzo(a)pyrene	350.000	56		100	ug/L
SSTDICV0.4	ICVBN081924	Water	Benzo(b)fluoranthene	360.000	32		100	ug/L
SSTDICV0.4	ICVBN081924	Water	Benzo(g,h,i)perylene	360.000	37		100	ug/L
SSTDICV0.4	ICVBN081924	Water	Benzo(k)fluoranthene	370.000	34		100	ug/L
SSTDICV0.4	ICVBN081924	Water	bis(2-Chloroethyl)ether	400.000	28		100	ug/L
SSTDICV0.4	ICVBN081924	Water	Bis(2-ethylhexyl)phthalate	320.000	140		200	ug/L
SSTDICV0.4	ICVBN081924	Water	Chrysene	370.000	26		100	ug/L
SSTDICV0.4	ICVBN081924	Water	Dibenzo(a,h)anthracene	370.000	39		100	ug/L
SSTDICV0.4	ICVBN081924	Water	Fluoranthene	350.000	23		100	ug/L
SSTDICV0.4	ICVBN081924	Water	Fluorene	350.000	18		100	ug/L
SSTDICV0.4	ICVBN081924	Water	Hexachlorobenzene	380.000	29		100	ug/L
SSTDICV0.4	ICVBN081924	Water	Hexachlorobutadiene	360.000	26		100	ug/L

Hit Summary Sheet SW-846

SDG No.: BN081924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV0.4	ICVBN081924	Water	Indeno(1,2,3-cd)pyrene	370.000		38	100	ug/L
SSTDICV0.4	ICVBN081924	Water	n-Nitrosodimethylamine	440.000		30	200	ug/L
SSTDICV0.4	ICVBN081924	Water	Naphthalene	370.000		24	100	ug/L
SSTDICV0.4	ICVBN081924	Water	Pentachlorophenol	290.000		90	200	ug/L
SSTDICV0.4	ICVBN081924	Water	Phenanthrene	370.000		20	100	ug/L
SSTDICV0.4	ICVBN081924	Water	Pyrene	400.000		22	100	ug/L
SSTDICV0.4	ICVBN081924	Water	Total PAH	5,800.000		456	1600	ug/L
Total Svoc :						15,670.00		
Total Concentration:						15,670.00		

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN081924 SAS No.: BN081924 SDG No.: BN081924

Instrument ID: _____ Calibration Date(s): 8/19/2024 : _____

Calibration Time(s): 16:16 _____

LAB FILE ID:		RRF0.1 = BN033479.D		RRF0.2 = BN033480.D		RRF0.4 = BN033481.D		
		RRF0.8 = BN033482.D		RRF1.6 = BN033483.D		RRF3.2 = BN033484.D		
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.577	0.566	0.492	0.616	0.603	0.566	0.572	7.0
Fluoranthene-d10	0.947	0.919	0.870	1.011	1.015	0.968	0.961	5.6
n-Nitrosodimethylamine	0.545	0.550	0.456	0.615	0.575	0.521	0.535	10.0
2-Fluorophenol	1.276	1.281	1.267	1.350	1.327	1.196	1.271	4.5
Phenol-d6	1.555	1.576	1.360	1.677	1.598	1.464	1.512	8.1
bis(2-Chloroethyl)ether	1.170	1.144	0.753	1.227	1.166	1.067	1.072	15.1
Nitrobenzene-d5	0.341	0.324	0.303	0.352	0.345	0.322	0.332	5.0
Naphthalene	1.082	1.068	0.947	1.155	1.127	1.042	1.069	6.2
Hexachlorobutadiene	0.217	0.213	0.192	0.230	0.225	0.207	0.213	5.9
2-Methylnaphthalene	0.665	0.667	0.586	0.732	0.716	0.678	0.677	7.0
2-Fluorobiphenyl	1.627	1.601	1.487	1.761	1.731	1.609	1.634	5.5
Acenaphthylene	1.626	1.609	1.535	1.870	1.893	1.837	1.754	9.0
Acenaphthene	1.185	1.177	1.104	1.325	1.322	1.249	1.234	6.7
Fluorene	1.558	1.483	1.381	1.667	1.647	1.567	1.555	6.3
4,6-Dinitro-2-methylphenol	0.051	0.051	0.051	0.064	0.069	0.072	0.062	18.8
2,4,6-Tribromophenol	0.212	0.202	0.185	0.220	0.226	0.223	0.215	8.0
4-Bromophenyl-phenylether	0.241	0.231	0.222	0.255	0.255	0.246	0.243	5.2
Hexachlorobenzene	0.271	0.260	0.249	0.281	0.280	0.266	0.268	4.2
Atrazine	0.188	0.184	0.173	0.201	0.203	0.198	0.194	6.5
Pentachlorophenol	0.114	0.098	0.097	0.118	0.122	0.128	0.116	12.8
Phenanthrene	1.093	1.067	1.033	1.177	1.168	1.113	1.113	4.7
Anthracene	0.931	0.912	0.876	1.035	1.046	1.035	0.985	7.7
Fluoranthene	1.178	1.153	1.106	1.303	1.313	1.266	1.230	6.7
Pyrene	1.756	1.763	1.704	1.901	1.855	1.751	1.785	3.8
Terphenyl-d14	0.907	0.896	0.862	0.966	0.943	0.890	0.909	3.8
Benzo (a) anthracene	1.485	1.369	1.317	1.525	1.529	1.426	1.446	5.5
Chrysene	1.435	1.392	1.331	1.557	1.514	1.403	1.437	5.3
Bis(2-ethylhexyl)phthalate	1.206	0.914	0.814	0.870	0.869	0.845	0.915	14.4
Benzo (b) fluoranthene	1.524	1.432	1.336	1.578	1.573	1.480	1.494	5.8
Benzo (k) fluoranthene	1.439	1.393	1.324	1.556	1.576	1.492	1.470	6.1
Benzo (a) pyrene	1.228	1.162	1.096	1.309	1.317	1.251	1.236	6.6
Indeno (1,2,3-cd) pyrene	1.616	1.580	1.535	1.779	1.759	1.661	1.661	5.4
Dibenzo (a,h) anthracene	1.283	1.264	1.231	1.426	1.410	1.329	1.328	5.6
Benzo (g,h,i) perylene	1.399	1.372	1.296	1.518	1.506	1.413	1.420	5.4
1,4-Dioxane	0.523	0.513	0.329	0.524	0.488	0.452	0.460	16.2

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.: BN081924 SAS No.: BN081924 SDG NO.: BN081924

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

Lab File ID: BN033481.D Time Analyzed: 10:09

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	12893	7.559	24390	10.31	12011	14.19
UPPER LIMIT	25786	8.059	48780	10.814	24022	14.689
LOWER LIMIT	6446.5	7.059	12195	9.814	6005.5	13.689
EPA SAMPLE NO.						
01 SSTDCC0.4	10585	7.56	28337	10.31	13371	14.19
02 ICVBN081924	12026	7.55	33045	10.31	17848	14.19
03 PB162787BL	9357	7.55	24160	10.31	11079	14.19
04 PB162821BL	8454	7.55	21595	10.31	9514	14.19
05 PB162821BS	7907	7.55	19971	10.31	9237	14.19
06 PB162821BSD	6514	7.55	16349	10.31	7352	14.19
07 PB162787BS	7475	7.55	18804	10.31	8660	14.19
08 PB162787BSD	6965	7.55	17427	10.31	7934	14.19
09 RW7-SP100-20240814	6912	7.55	17753	10.31	8637	14.19
10 RW7-SP201-20240814	7590	7.55	20313	10.31	10315	14.19

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.: BN081924 SAS No.: BN081924 SDG NO.: BN081924

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

Lab File ID: BN033481.D Time Analyzed: 01:56

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	12893	7.559	24390	10.31	12011	14.19
UPPER LIMIT	25786	8.059	48780	10.814	24022	14.689
LOWER LIMIT	6446.5	7.059	12195	9.814	6005.5	13.689
EPA SAMPLE NO.						
01 ICVBN081924	12026	7.55	33045	10.31	17848	14.19
02 PB162787BL	9357	7.55	24160	10.31	11079	14.19

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.: BN081924 SAS No.: BN081924 SDG NO.: BN081924

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

Lab File ID: BN033489.D Time Analyzed: 05:20

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	9356	7.552	25244	10.31	13324	14.19
UPPER LIMIT	18712	8.052	50488	10.814	26648	14.689
LOWER LIMIT	4678	7.052	12622	9.814	6662	13.689
EPA SAMPLE NO.						
01 PB162821BL	8454	7.55	21595	10.31	9514	14.19
02 PB162821BS	7907	7.55	19971	10.31	9237	14.19
03 PB162821BSD	6514	7.55	16349	10.31	7352	14.19
04 PB162787BS	7475	7.55	18804	10.31	8660	14.19
05 PB162787BSD	6965	7.55	17427	10.31	7934	14.19
06 RW7-SP100-20240814	6912	7.55	17753	10.31	8637	14.19
07 RW7-SP201-20240814	7590	7.55	20313	10.31	10315	14.19

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.: BN081924 SAS No.: BN081924 SDG NO.: BN081924

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

Lab File ID: BN033481.D Time Analyzed: 10:09

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	24497	16.942	16119	21.148	15903	23.32
UPPER LIMIT	48994	17.442	32238	21.648	31806	23.82
LOWER LIMIT	12248.5	16.442	8059.5	20.648	7951.5	22.82
EPA SAMPLE NO.						
01 SSTDCC0.4	24277	16.94	18629	21.15	20658	23.33
02 ICVBN081924	35827	16.94	21483	21.15	20739	23.31
03 PB162787BL	21468	16.94	12188	21.15	13144	23.32
04 PB162821BL	18114	16.94	11029	21.15	11535	23.32
05 PB162821BS	17236	16.94	10225	21.15	10409	23.32
06 PB162821BSD	13832	16.94	9514	21.15	9586	23.31
07 PB162787BS	16363	16.94	9727	21.15	9901	23.31
08 PB162787BSD	14715	16.94	9170	21.15	9473	23.32
09 RW7-SP100-20240814	17500	16.94	11339	21.15	10839	23.32
10 RW7-SP201-20240814	21906	16.94	12836	21.15	4363 *	23.32

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.: BN081924 SAS No.: BN081924 SDG NO.: BN081924

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

Lab File ID: BN033481.D Time Analyzed: 01:56

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	24497	16.942	16119	21.148	15903	23.32
UPPER LIMIT	48994	17.442	32238	21.648	31806	23.82
LOWER LIMIT	12248.5	16.442	8059.5	20.648	7951.5	22.82
EPA SAMPLE NO.						
01 ICVBN081924	35827	16.94	21483	21.15	20739	23.31
02 PB162787BL	21468	16.94	12188	21.15	13144	23.32

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.: BN081924 SAS No.: BN081924 SDG NO.: BN081924

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

Lab File ID: BN033489.D Time Analyzed: 05:20

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	27326	16.942	15982	21.148	15401	23.315
UPPER LIMIT	54652	17.442	31964	21.648	30802	23.815
LOWER LIMIT	13663	16.442	7991	20.648	7700.5	22.815
EPA SAMPLE NO.						
01 PB162821BL	18114	16.94	11029	21.15	11535	23.32
02 PB162821BS	17236	16.94	10225	21.15	10409	23.32
03 PB162821BSD	13832	16.94	9514	21.15	9586	23.31
04 PB162787BS	16363	16.94	9727	21.15	9901	23.31
05 PB162787BSD	14715	16.94	9170	21.15	9473	23.32
06 RW7-SP100-20240814	17500	16.94	11339	21.15	10839	23.32
07 RW7-SP201-20240814	21906	16.94	12836	21.15	4363 *	23.32

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.: BN081924

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162787BS	n-Nitrosodimethylamine	0.4	0.36	ug/L	90				33	130	
	bis(2-Chloroethyl)ether	0.4	0.38	ug/L	95				55	118	
	Naphthalene	0.4	0.36	ug/L	90				67	120	
	Hexachlorobutadiene	0.4	0.36	ug/L	90				33	114	
	2-Methylnaphthalene	0.4	0.36	ug/L	90				50	122	
	Acenaphthylene	0.4	0.36	ug/L	90				60	119	
	Acenaphthene	0.4	0.36	ug/L	90				65	119	
	Total PAH	6.4	6.1	ug/L	95				65	119	
	Fluorene	0.4	0.34	ug/L	85				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.27	ug/L	68				20	150	
	4-Bromophenyl-phenylether	0.4	0.36	ug/L	90				20	150	
	Hexachlorobenzene	0.4	0.38	ug/L	95				62	127	
	Atrazine	0.4	0.31	ug/L	78				20	150	
	Pentachlorophenol	0.8	0.43	ug/L	54				10	137	
	Phenanthrene	0.4	0.38	ug/L	95				65	117	
	Anthracene	0.4	0.36	ug/L	90				57	118	
	Fluoranthene	0.4	0.33	ug/L	83				53	126	
	Pyrene	0.4	0.38	ug/L	95				54	124	
	Benzo(a)anthracene	0.4	0.38	ug/L	95				54	130	
	Chrysene	0.4	0.4	ug/L	100				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.29	ug/L	73				40	137	
	Benzo(b)fluoranthene	0.4	0.38	ug/L	95				65	121	
	Benzo(k)fluoranthene	0.4	0.39	ug/L	98				72	119	
	Benzo(a)pyrene	0.4	0.4	ug/L	100				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.44	ug/L	110				70	127	
	Dibenz(a,h)anthracene	0.4	0.43	ug/L	108				65	121	
	Benzo(g,h,i)perylene	0.4	0.41	ug/L	103				76	117	
	1,4-Dioxane	0.4	0.29	ug/L	73				42	127	
PB162787BSD	n-Nitrosodimethylamine	0.4	0.38	ug/L	95	5			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.38	ug/L	95	0			55	118	20
	Naphthalene	0.4	0.38	ug/L	95	5			67	120	20
	Hexachlorobutadiene	0.4	0.38	ug/L	95	5			33	114	20
	2-Methylnaphthalene	0.4	0.37	ug/L	93	3			50	122	20
	Acenaphthylene	0.4	0.37	ug/L	93	3			60	119	20
	Acenaphthene	0.4	0.38	ug/L	95	5			65	119	20
	Total PAH	6.4	6.64	ug/L	104	8			65	119	20
	Fluorene	0.4	0.35	ug/L	88	3			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.3	ug/L	75	11			20	150	20
	4-Bromophenyl-phenylether	0.4	0.37	ug/L	93	3			20	150	20
	Hexachlorobenzene	0.4	0.39	ug/L	98	3			62	127	20
	Atrazine	0.4	0.32	ug/L	80	3			20	150	20
	Pentachlorophenol	0.8	0.6	ug/L	75	33		*	10	137	20
	Phenanthrene	0.4	0.39	ug/L	98	3			65	117	20
	Anthracene	0.4	0.38	ug/L	95	5			57	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN081924

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB162787BSD	Fluoranthene	0.4	0.35	ug/L	88	6			53	126	20
	Pyrene	0.4	0.39	ug/L	98	3			54	124	20
	Benzo(a)anthracene	0.4	0.42	ug/L	105	10			54	130	20
	Chrysene	0.4	0.46	ug/L	115	14			64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.3	ug/L	75	3			40	137	20
	Benzo(b)fluoranthene	0.4	0.44	ug/L	110	15			65	121	20
	Benzo(k)fluoranthene	0.4	0.43	ug/L	108	10			72	119	20
	Benzo(a)pyrene	0.4	0.46	ug/L	115	14			68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.49	ug/L	123	11			70	127	20
	Dibenz(a,h)anthracene	0.4	0.48	ug/L	120	11			65	121	20
	Benzo(g,h,i)perylene	0.4	0.47	ug/L	117	14	*		76	117	20
	1,4-Dioxane	0.4	0.31	ug/L	78	7			42	127	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BN081924**

Client:

Analytical Method: **8270-Modified**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB162821BS	n-Nitrosodimethylamine	0.4	0.35	ug/L	88				33	130	
	bis(2-Chloroethyl)ether	0.4	0.38	ug/L	95				55	118	
	Naphthalene	0.4	0.37	ug/L	93				67	120	
	Hexachlorobutadiene	0.4	0.36	ug/L	90				33	114	
	2-Methylnaphthalene	0.4	0.36	ug/L	90				50	122	
	Acenaphthylene	0.4	0.37	ug/L	93				60	119	
	Acenaphthene	0.4	0.37	ug/L	93				65	119	
	Total PAH	6.4	6.46	ug/L	101				65	119	
	Fluorene	0.4	0.34	ug/L	85				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.29	ug/L	73				20	150	
	4-Bromophenyl-phenylether	0.4	0.36	ug/L	90				20	150	
	Hexachlorobenzene	0.4	0.38	ug/L	95				62	127	
	Atrazine	0.4	0.32	ug/L	80				20	150	
	Pentachlorophenol	0.8	0.58	ug/L	73				10	137	
	Phenanthrene	0.4	0.38	ug/L	95				65	117	
	Anthracene	0.4	0.36	ug/L	90				57	118	
	Fluoranthene	0.4	0.33	ug/L	83				53	126	
	Pyrene	0.4	0.39	ug/L	98				54	124	
	Benzo(a)anthracene	0.4	0.41	ug/L	103				54	130	
	Chrysene	0.4	0.44	ug/L	110				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.3	ug/L	75				40	137	
	Benzo(b)fluoranthene	0.4	0.42	ug/L	105				65	121	
	Benzo(k)fluoranthene	0.4	0.43	ug/L	108				72	119	
	Benzo(a)pyrene	0.4	0.44	ug/L	110				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.48	ug/L	120				70	127	
	Dibenz(a,h)anthracene	0.4	0.47	ug/L	117				65	121	
	Benzo(g,h,i)perylene	0.4	0.46	ug/L	115				76	117	
	1,4-Dioxane	0.4	0.29	ug/L	73				42	127	
PB162821BSD	n-Nitrosodimethylamine	0.4	0.36	ug/L	90	3			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.4	ug/L	100	5			55	118	20
	Naphthalene	0.4	0.38	ug/L	95	3			67	120	20
	Hexachlorobutadiene	0.4	0.38	ug/L	95	5			33	114	20
	2-Methylnaphthalene	0.4	0.37	ug/L	93	3			50	122	20
	Acenaphthylene	0.4	0.38	ug/L	95	3			60	119	20
	Acenaphthene	0.4	0.39	ug/L	98	5			65	119	20
	Total PAH	6.4	6.73	ug/L	105	4			65	119	20
	Fluorene	0.4	0.36	ug/L	90	6			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.31	ug/L	78	7			20	150	20
	4-Bromophenyl-phenylether	0.4	0.37	ug/L	93	3			20	150	20
	Hexachlorobenzene	0.4	0.39	ug/L	98	3			62	127	20
	Atrazine	0.4	0.33	ug/L	83	3			20	150	20
	Pentachlorophenol	0.8	0.61	ug/L	76	5			10	137	20
	Phenanthrene	0.4	0.4	ug/L	100	5			65	117	20
	Anthracene	0.4	0.38	ug/L	95	5			57	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN081924

Client: _____

Analytical Method: **8270-Modified**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162821BSD	Fluoranthene	0.4	0.36	ug/L	90	9			53	126	20
	Pyrene	0.4	0.37	ug/L	93	5			54	124	20
	Benzo(a)anthracene	0.4	0.41	ug/L	103	0			54	130	20
	Chrysene	0.4	0.44	ug/L	110	0			64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.3	ug/L	75	0			40	137	20
	Benzo(b)fluoranthene	0.4	0.45	ug/L	113	7			65	121	20
	Benzo(k)fluoranthene	0.4	0.46	ug/L	115	7			72	119	20
	Benzo(a)pyrene	0.4	0.47	ug/L	117	7			68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.5	ug/L	125	4			70	127	20
	Dibenz(a,h)anthracene	0.4	0.5	ug/L	125	6	*		65	121	20
	Benzo(g,h,i)perylene	0.4	0.48	ug/L	120	4	*		76	117	20
	1,4-Dioxane	0.4	0.31	ug/L	78	7			42	127	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SSTDCCC0.4

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN081924

SAS No.: BN081924 SDG NO.: BN081924

Lab File ID: BN033477.D

Lab Sample ID: SSTDCCC0.4

Instrument ID: BNA_N

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 08/19/2024

Level: (low/med) LOW

Time Analyzed: 10:09

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN033477.D	08/19/2024
ICVBN081924	SSTDICV0.4	BN033486.D	08/20/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162787BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN081924

SAS No.: BN081924 SDG NO.: BN081924

Lab File ID: BN033487.D

Lab Sample ID: PB162787BL

Instrument ID: BNA_N

Date Extracted: 08/16/2024

Matrix: (soil/water) Water

Date Analyzed: 08/20/2024

Level: (low/med) LOW

Time Analyzed: 02:49

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162787BS	PB162787BS	BN033493.D	08/20/2024
PB162787BSD	PB162787BSD	BN033494.D	08/20/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162821BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN081924

SAS No.: BN081924 SDG NO.: BN081924

Lab File ID: BN033490.D

Lab Sample ID: PB162821BL

Instrument ID: BNA_N

Date Extracted: 08/19/2024

Matrix: (soil/water) Water

Date Analyzed: 08/20/2024

Level: (low/med) LOW

Time Analyzed: 05:20

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162821BS	PB162821BS	BN033491.D	08/20/2024
PB162821BSD	PB162821BSD	BN033492.D	08/20/2024
RW7-SP100-20240814	P3650-01	BN033495.D	08/20/2024
RW7-SP201-20240814	P3650-02	BN033496.D	08/20/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: **BN081924**

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDCCC0.4	SSTDCCC0.4	BN033477.D	2-Methylnaphthalene-d10	0.4	342.00	85500	*	20	139
			Fluoranthene-d10	0.4	326.00	81500	*	30	150
			2-Fluorophenol	0.4	376.00	94000	*	10	100
			Phenol-d6	0.4	360.00	90000	*	10	100
			Nitrobenzene-d5	0.4	380.00	95000	*	27	123
			2-Fluorobiphenyl	0.4	382.00	95500	*	34	132
			2,4,6-Tribromophenol	0.4	295.00	73750	*	10	131
			Terphenyl-d14	0.4	394.00	98500	*	35	157
SSTDICV0.4	ICVBN081924	BN033486.D	2-Methylnaphthalene-d10	0.4	367.00	91750	*	20	139
			Fluoranthene-d10	0.4	345.00	86250	*	30	150
			2-Fluorophenol	0.4	462.00	115500	*	10	100
			Phenol-d6	0.4	497.00	124250	*	10	100
			Nitrobenzene-d5	0.4	362.00	90500	*	27	123
			2-Fluorobiphenyl	0.4	358.00	89500	*	34	132
			2,4,6-Tribromophenol	0.4	317.00	79250	*	10	131
			Terphenyl-d14	0.4	399.00	99750	*	35	157

Surrogate Summary

SW-846

SDG No.: **BN081924**

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162787BL	PB162787BL	BN033487.D	2-Methylnaphthalene-d10	0.4	0.30	76		20	139
			Fluoranthene-d10	0.4	0.29	73		30	150
			2-Fluorophenol	0.4	0.26	65		10	100
			Phenol-d6	0.4	0.25	63		10	100
			Nitrobenzene-d5	0.4	0.31	77		27	123
			2-Fluorobiphenyl	0.4	0.33	82		34	132
			2,4,6-Tribromophenol	0.4	0.20	50		10	131
			Terphenyl-d14	0.4	0.37	92		35	157
PB162787BS	PB162787BS	BN033493.D	2-Methylnaphthalene-d10	0.4	0.41	101		20	139
			Fluoranthene-d10	0.4	0.31	77		30	150
			2-Fluorophenol	0.4	0.27	67		10	100
			Phenol-d6	0.4	0.26	65		10	100
			Nitrobenzene-d5	0.4	0.33	83		27	123
			2-Fluorobiphenyl	0.4	0.36	91		34	132
			2,4,6-Tribromophenol	0.4	0.21	52		10	131
			Terphenyl-d14	0.4	0.36	90		35	157
PB162787BSD	PB162787BSD	BN033494.D	2-Methylnaphthalene-d10	0.4	0.44	109		20	139
			Fluoranthene-d10	0.4	0.33	83		30	150
			2-Fluorophenol	0.4	0.27	68		10	100
			Phenol-d6	0.4	0.27	66		10	100
			Nitrobenzene-d5	0.4	0.35	87		27	123
			2-Fluorobiphenyl	0.4	0.38	95		34	132
			2,4,6-Tribromophenol	0.4	0.23	58		10	131
			Terphenyl-d14	0.4	0.37	93		35	157

Surrogate Summary

SW-846

SDG No.: BN081924

Client: _____

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3650-01	RW7-SP100-20240:BN033495.D		2-Methylnaphthalene-d10	0.4	0.33	83		20	139
			Fluoranthene-d10	0.4	0.39	97		30	150
			2-Fluorophenol	0.4	0.11	28		10	100
			Phenol-d6	0.4	0.07	17		10	100
			Nitrobenzene-d5	0.4	0.33	83		27	123
			2-Fluorobiphenyl	0.4	0.36	90		34	132
			2,4,6-Tribromophenol	0.4	0.25	62		10	131
			Terphenyl-d14	0.4	0.48	120		35	157
P3650-02	RW7-SP201-20240:BN033496.D		2-Methylnaphthalene-d10	0.4	0.33	81		20	139
			Fluoranthene-d10	0.4	0.37	92		30	150
			2-Fluorophenol	0.4	0.08	20		10	100
			Phenol-d6	0.4	0.06	16		10	100
			Nitrobenzene-d5	0.4	0.31	76		27	123
			2-Fluorobiphenyl	0.4	0.35	86		34	132
			2,4,6-Tribromophenol	0.4	0.15	38		10	131
			Terphenyl-d14	0.4	0.46	115		35	157
PB162821BL	PB162821BL	BN033490.D	2-Methylnaphthalene-d10	0.4	0.32	80		20	139
			Fluoranthene-d10	0.4	0.31	77		30	150
			2-Fluorophenol	0.4	0.27	68		10	100
			Phenol-d6	0.4	0.26	66		10	100
			Nitrobenzene-d5	0.4	0.33	81		27	123
			2-Fluorobiphenyl	0.4	0.36	90		34	132
			2,4,6-Tribromophenol	0.4	0.20	49		10	131
			Terphenyl-d14	0.4	0.36	90		35	157
PB162821BS	PB162821BS	BN033491.D	2-Methylnaphthalene-d10	0.4	0.45	112		20	139
			Fluoranthene-d10	0.4	0.32	79		30	150
			2-Fluorophenol	0.4	0.28	69		10	100
			Phenol-d6	0.4	0.27	67		10	100
			Nitrobenzene-d5	0.4	0.34	84		27	123
			2-Fluorobiphenyl	0.4	0.37	93		34	132
			2,4,6-Tribromophenol	0.4	0.24	59		10	131
			Terphenyl-d14	0.4	0.38	94		35	157
PB162821BSD	PB162821BSD	BN033492.D	2-Methylnaphthalene-d10	0.4	0.45	113		20	139
			Fluoranthene-d10	0.4	0.35	87		30	150
			2-Fluorophenol	0.4	0.29	72		10	100
			Phenol-d6	0.4	0.28	70		10	100
			Nitrobenzene-d5	0.4	0.36	90		27	123
			2-Fluorobiphenyl	0.4	0.39	98		34	132
			2,4,6-Tribromophenol	0.4	0.24	59		10	131
			Terphenyl-d14	0.4	0.36	90		35	157

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN081924

Lab Code: CHEM

SAS No.: BN081924

SDG NO.: BN081924

Lab File ID: BN033476.D

DFTPP Injection Date: 08/19/2024

Instrument ID: BNA_N

DFTPP Injection Time: 09:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.7
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	36.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47
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	6.6
275	10.0 - 60.0% of mass 198	26
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	11.1
442	Greater than 50% of mass 198	71.6
443	15.0 - 24.0% of mass 442	13.9 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN033477.D	08/19/2024	10:09

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN081924

Lab Code: CHEM

SAS No.: BN081924 SDG NO.: BN081924

Lab File ID: BN033478.D

DFTPP Injection Date: 08/19/2024

Instrument ID: BNA_N

DFTPP Injection Time: 15:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.6
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	37.9
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	49.1
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	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	11.2
442	Greater than 50% of mass 198	68.8
443	15.0 - 24.0% of mass 442	13.8 (20) 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	BN033479.D	08/19/2024	16:16
SSTDICC0.2	SSTDICC0.2	BN033480.D	08/19/2024	16:52
SSTDICCC0.4	SSTDICCC0.4	BN033481.D	08/19/2024	17:28
SSTDICC0.8	SSTDICC0.8	BN033482.D	08/19/2024	18:05
SSTDICC1.6	SSTDICC1.6	BN033483.D	08/19/2024	18:41
SSTDICC3.2	SSTDICC3.2	BN033484.D	08/19/2024	19:17
SSTDICC5.0	SSTDICC5.0	BN033485.D	08/19/2024	19:53
ICVBN081924	SSTDICV0.4	BN033486.D	08/20/2024	01:56
PB162787BL	PB162787BL	BN033487.D	08/20/2024	02:49

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN081924

Lab Code: CHEM

SAS No.: BN081924

SDG NO.: BN081924

Lab File ID: BN033488.D

DFTPP Injection Date: 08/20/2024

Instrument ID: BNA_N

DFTPP Injection Time: 04:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.7
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48.9
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	26.9
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	10.6
442	Greater than 50% of mass 198	71
443	15.0 - 24.0% of mass 442	12.7 (17.9) 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	BN033489.D	08/20/2024	04:44
PB162821BL	PB162821BL	BN033490.D	08/20/2024	05:20
PB162821BS	PB162821BS	BN033491.D	08/20/2024	05:56
PB162821BSD	PB162821BSD	BN033492.D	08/20/2024	06:32
PB162787BS	PB162787BS	BN033493.D	08/20/2024	07:08
PB162787BSD	PB162787BSD	BN033494.D	08/20/2024	07:44
RW7-SP100-20240814	P3650-01	BN033495.D	08/20/2024	08:21
RW7-SP201-20240814	P3650-02	BN033496.D	08/20/2024	08:59