

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN080524 SAS No.: BN080524 SDG No.: BN080524

Instrument ID: BNA_N Calibration Date/Time: 8/6/2024 12:01:28

Lab File ID: BN033251.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	0.593	0.588		-0.843	20.0
Fluoranthene-d10	1.119	1.134		1.34	20.0
n-Nitrosodimethylamine	0.488	0.492		0.82	20.0
2-Fluorophenol	0.991	1.074		8.375	20.0
Phenol-d6	1.361	1.349		-0.882	20.0
bis(2-Chloroethyl) ether	1.147	1.706		48.736	20.0
Nitrobenzene-d5	0.322	0.305		-5.28	20.0
Naphthalene	1.087	1.152		5.98	20.0
Hexachlorobutadiene	0.202	0.218		7.921	20.0
2-Methylnaphthalene	0.648	0.599		-7.562	20.0
2-Fluorobiphenyl	1.368	1.384		1.17	20.0
Acenaphthylene	1.596	1.498		-6.14	20.0
Acenaphthene	1.152	1.180		2.431	20.0
Fluorene	1.559	1.587		1.796	20.0
4,6-Dinitro-2-methylphenol	0.052	0.032		-38.462	20.0
2,4,6-Tribromophenol	0.149	0.141		-5.369	20.0
4-Bromophenyl-phenylether	0.212	0.206		-2.83	20.0
Hexachlorobenzene	0.222	0.223		0.45	20.0
Atrazine	0.200	0.183		-8.5	20.0
Pentachlorophenol	0.074	0.060		-18.919	20.0
Phenanthrene	1.076	1.025		-4.74	20.0
Anthracene	0.902	0.790		-12.417	20.0
Fluoranthene	1.476	1.469		-0.474	20.0
Pyrene	1.398	1.367		-2.217	20.0
Terphenyl-d14	0.691	0.665		-3.763	20.0
Benzo(a)anthracene	1.152	1.062		-7.812	20.0
Chrysene	1.547	1.585		2.456	20.0
Bis(2-ethylhexyl)phthalate	0.277	0.244		-11.913	20.0
Benzo(b)fluoranthene	1.213	1.116		-7.997	20.0
Benzo(k)fluoranthene	1.518	1.481		-2.437	20.0
Benzo(a)pyrene	1.218	1.173		-3.695	20.0
Indeno(1,2,3-cd)pyrene	1.808	1.738		-3.872	20.0
Dibenzo(a,h)anthracene	1.428	1.377		-3.571	20.0
Benzo(g,h,i)perylene	1.636	1.616		-1.222	20.0
1,4-Dioxane	0.583	0.629		7.89	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.: BN080524 SAS No.: BN080524 SDG No.: BN080524

Instrument ID: BNA_N Calibration Date/Time: 8/5/2024 12:19:53

Lab File ID: BN033243.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	0.593	0.581		-2.024	20.0
Fluoranthene-d10	1.119	1.060		-5.273	20.0
n-Nitrosodimethylamine	0.488	0.424		-13.115	20.0
2-Fluorophenol	0.991	1.099		10.898	20.0
Phenol-d6	1.361	1.420		4.335	20.0
bis(2-Chloroethyl)ether	1.147	1.197		4.359	20.0
Nitrobenzene-d5	0.322	0.273		-15.217	20.0
Naphthalene	1.087	1.050		-3.404	20.0
Hexachlorobutadiene	0.202	0.201		-0.495	20.0
2-Methylnaphthalene	0.648	0.555		-14.352	20.0
2-Fluorobiphenyl	1.368	1.294		-5.409	20.0
Acenaphthylene	1.596	1.473		-7.707	20.0
Acenaphthene	1.152	1.121		-2.691	20.0
Fluorene	1.559	1.470		-5.709	20.0
4,6-Dinitro-2-methylphenol	0.052	0.035		-32.692	20.0
2,4,6-Tribromophenol	0.149	0.132		-11.409	20.0
4-Bromophenyl-phenylether	0.212	0.202		-4.717	20.0
Hexachlorobenzene	0.222	0.209		-5.856	20.0
Atrazine	0.200	0.182		-9.0	20.0
Pentachlorophenol	0.074	0.067		-9.459	20.0
Phenanthrene	1.076	0.972		-9.665	20.0
Anthracene	0.902	0.809		-10.31	20.0
Fluoranthene	1.476	1.382		-6.369	20.0
Pyrene	1.398	1.249		-10.658	20.0
Terphenyl-d14	0.691	0.625		-9.551	20.0
Benzo(a)anthracene	1.152	1.059		-8.073	20.0
Chrysene	1.547	1.423		-8.016	20.0
Bis(2-ethylhexyl)phthalate	0.277	0.210		-24.188	20.0
Benzo(b)fluoranthene	1.213	1.065		-12.201	20.0
Benzo(k)fluoranthene	1.518	1.354		-10.804	20.0
Benzo(a)pyrene	1.218	1.080		-11.33	20.0
Indeno(1,2,3-cd)pyrene	1.808	1.649		-8.794	20.0
Dibenzo(a,h)anthracene	1.428	1.304		-8.683	20.0
Benzo(g,h,i)perylene	1.636	1.536		-6.112	20.0
1,4-Dioxane	0.583	0.609		4.46	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.:	BN080524		
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
BN033240.D	1		8/5/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	460		30	200	200	ug/L
111-44-4	bis(2-Chloroethyl)ether	520		28	100	100	ug/L
91-20-3	Naphthalene	380		24	100	100	ug/L
87-68-3	Hexachlorobutadiene	340		26	100	100	ug/L
91-57-6	2-Methylnaphthalene	440		30	100	100	ug/L
208-96-8	Acenaphthylene	420		21	100	100	ug/L
83-32-9	Acenaphthene	400		20	100	100	ug/L
Total PAH	Total PAH	5930		456	100	1600	ug/L
86-73-7	Fluorene	420		18	100	100	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	250		140	200	200	ug/L
101-55-3	4-Bromophenyl-phenylether	330		26	100	100	ug/L
118-74-1	Hexachlorobenzene	340		29	100	100	ug/L
1912-24-9	Atrazine	340		23	100	100	ug/L
87-86-5	Pentachlorophenol	630		90	200	200	ug/L
85-01-8	Phenanthrene	380		20	100	100	ug/L
120-12-7	Anthracene	410		24	100	100	ug/L
206-44-0	Fluoranthene	420		23	100	100	ug/L
129-00-0	Pyrene	330		22	100	100	ug/L
56-55-3	Benzo(a)anthracene	400		22	100	100	ug/L
218-01-9	Chrysene	360		26	100	100	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	300		140	200	200	ug/L
205-99-2	Benzo(b)fluoranthene	380		32	100	100	ug/L
207-08-9	Benzo(k)fluoranthene	350		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	310		38	100	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	310		39	100	100	ug/L
191-24-2	Benzo(g,h,i)perylene	300		37	100	100	ug/L
123-91-1	1,4-Dioxane	170	J	68	200	200	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SSTDCCC0.4			SDG No.:	BN080524		
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
BN033240.D	1		8/5/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	398	*	30-150		99500	SPK: -0.4
93951-69-0	Fluoranthene-d10	430	*	30-150		107500	SPK: -0.4
367-12-4	2-Fluorophenol	441	*	10-92		110250	SPK: -0.4
13127-88-3	Phenol-d6	22	*	10-100		5500	SPK: -0.4
4165-60-0	Nitrobenzene-d5	374	*	11-175		93500	SPK: -0.4
321-60-8	2-Fluorobiphenyl	350	*	10-175		87500	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	553	*	24-148		138250	SPK: -0.4
1718-51-0	Terphenyl-d14	328	*	54-171		82000	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	640		7.467			
1146-65-2	Naphthalene-d8	2812		10.234			
15067-26-2	Acenaphthene-d10	1940		14.101			
1517-22-2	Phenanthrene-d10	5460		16.877			
1719-03-5	Chrysene-d12	8012		21.104			
1520-96-3	Perylene-d12	9660		23.277			

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBN080524			SDG No.:	BN080524		
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
BN033248.D	1		8/5/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	410		30	200	200	ug/L
111-44-4	bis(2-Chloroethyl)ether	400		28	100	100	ug/L
91-20-3	Naphthalene	400		24	100	100	ug/L
87-68-3	Hexachlorobutadiene	390		26	100	100	ug/L
91-57-6	2-Methylnaphthalene	360		30	100	100	ug/L
208-96-8	Acenaphthylene	390		21	100	100	ug/L
83-32-9	Acenaphthene	380		20	100	100	ug/L
Total PAH	Total PAH	6010		456	100	1600	ug/L
86-73-7	Fluorene	390		18	100	100	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	410		140	200	200	ug/L
101-55-3	4-Bromophenyl-phenylether	360		26	100	100	ug/L
118-74-1	Hexachlorobenzene	380		29	100	100	ug/L
1912-24-9	Atrazine	370		23	100	100	ug/L
87-86-5	Pentachlorophenol	320		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	360		22	100	100	ug/L
56-55-3	Benzo(a)anthracene	370		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	340		32	100	100	ug/L
207-08-9	Benzo(k)fluoranthene	390		34	100	100	ug/L
50-32-8	Benzo(a)pyrene	400		56	100	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	380		38	100	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	380		39	100	100	ug/L
191-24-2	Benzo(g,h,i)perylene	350		37	100	100	ug/L
123-91-1	1,4-Dioxane	390		68	200	200	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBN080524			SDG No.:	BN080524		
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
BN033248.D	1		8/5/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	420	*	30-150		105000	SPK: -0.4
93951-69-0	Fluoranthene-d10	372	*	30-150		93000	SPK: -0.4
367-12-4	2-Fluorophenol	421	*	10-92		105250	SPK: -0.4
13127-88-3	Phenol-d6	373	*	10-100		93250	SPK: -0.4
4165-60-0	Nitrobenzene-d5	363	*	11-175		90750	SPK: -0.4
321-60-8	2-Fluorobiphenyl	393	*	10-175		98250	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	330	*	24-148		82500	SPK: -0.4
1718-51-0	Terphenyl-d14	446	*	54-171		111500	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	839		7.532			
1146-65-2	Naphthalene-d8	3354		10.34			
15067-26-2	Acenaphthene-d10	2423		14.133			
1517-22-2	Phenanthrene-d10	5777		16.927			
1719-03-5	Chrysene-d12	6570		21.122			
1520-96-3	Perylene-d12	8080		23.292			

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	PB162464BL	SDG No.:	BN080524
Lab Sample ID:	PB162464BL	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
BN033249.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

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:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	PB162464BL	SDG No.:	BN080524
Lab Sample ID:	PB162464BL	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
BN033249.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.333		30-150		83	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.401		30-150		100	SPK: -0.4
367-12-4	2-Fluorophenol	0.324		10-92		81	SPK: -0.4
13127-88-3	Phenol-d6	0.32		10-100		80	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.355		11-175		89	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.333		10-175		83	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.293		24-148		73	SPK: -0.4
1718-51-0	Terphenyl-d14	0.399		54-171		100	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1029	7.676				
1146-65-2	Naphthalene-d8	3111	10.522				
15067-26-2	Acenaphthene-d10	1921	14.222				
1517-22-2	Phenanthrene-d10	4706	17.019				
1719-03-5	Chrysene-d12	5871	21.16				
1520-96-3	Perylene-d12	6677	23.317				

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	PB162464BL	SDG No.:	BN080524
Lab Sample ID:	PB162464BL	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
BN033252.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

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:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	PB162464BL	SDG No.:	BN080524
Lab Sample ID:	PB162464BL	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
BN033252.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.336		30-150		84	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.399		30-150		100	SPK: -0.4
367-12-4	2-Fluorophenol	0.419	*	10-92		105	SPK: -0.4
13127-88-3	Phenol-d6	0.331		10-100		83	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.392		11-175		98	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.347		10-175		87	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.202		24-148		50	SPK: -0.4
1718-51-0	Terphenyl-d14	0.42		54-171		105	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1306	7.625				
1146-65-2	Naphthalene-d8	4124	10.511				
15067-26-2	Acenaphthene-d10	2380	14.211				
1517-22-2	Phenanthrene-d10	5709	17.007				
1719-03-5	Chrysene-d12	6775	21.16				
1520-96-3	Perylene-d12	7732	23.317				

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	PB162464BS	SDG No.:	BN080524
Lab Sample ID:	PB162464BS	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
BN033253.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.42		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.45		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.42		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.42		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	0.4		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.42		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	6.19		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.41		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.42		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	0.4		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.35		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.32		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	0.37		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	0.34		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.43		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.35		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.38		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.4		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.38		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.37		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.37		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.38		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.35		0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	PB162464BS	SDG No.:	BN080524
Lab Sample ID:	PB162464BS	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
BN033253.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.406		30-150		101	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.374		30-150		94	SPK: -0.4
367-12-4	2-Fluorophenol	0.432	*	10-92		108	SPK: -0.4
13127-88-3	Phenol-d6	0.462	*	10-100		115	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.382		11-175		95	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.41		10-175		102	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.368		24-148		92	SPK: -0.4
1718-51-0	Terphenyl-d14	0.397		54-171		99	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1021	7.517				
1146-65-2	Naphthalene-d8	3951	10.329				
15067-26-2	Acenaphthene-d10	2796	14.133				
1517-22-2	Phenanthrene-d10	6560	16.914				
1719-03-5	Chrysene-d12	6887	21.131				
1520-96-3	Perylene-d12	8358	23.295				

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	RW7-SP100-50-20240801	SDG No.:	BN080524
Lab Sample ID:	P3455-01	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
BN033254.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

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	9	E	0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	RW7-SP100-50-20240801	SDG No.:	BN080524
Lab Sample ID:	P3455-01	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
BN033254.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.281		30-150		70	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.376		30-150		94	SPK: -0.4
367-12-4	2-Fluorophenol	0.117		10-92		29	SPK: -0.4
13127-88-3	Phenol-d6	0	U	10-100		0	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.359		11-175		90	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.379		10-175		95	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.387		24-148		97	SPK: -0.4
1718-51-0	Terphenyl-d14	0.556		54-171		139	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	929	7.662				
1146-65-2	Naphthalene-d8	2882	10.458				
15067-26-2	Acenaphthene-d10	2013	14.186				
1517-22-2	Phenanthrene-d10	5169	16.952				
1719-03-5	Chrysene-d12	6157	21.14				
1520-96-3	Perylene-d12	7251	23.307				

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	RW7-SP201-50-20240801	SDG No.:	BN080524
Lab Sample ID:	P3455-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033255.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

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:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	RW7-SP201-50-20240801	SDG No.:	BN080524
Lab Sample ID:	P3455-02	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033255.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.317		30-150		79	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.332		30-150		83	SPK: -0.4
367-12-4	2-Fluorophenol	0.039		10-92		10	SPK: -0.4
13127-88-3	Phenol-d6	0.014	*	10-100		4	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.327		11-175		82	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.461		10-175		115	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.019	*	24-148		5	SPK: -0.4
1718-51-0	Terphenyl-d14	0.56		54-171		140	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	943	7.503				
1146-65-2	Naphthalene-d8	3596	10.265				
15067-26-2	Acenaphthene-d10	2272	14.126				
1517-22-2	Phenanthrene-d10	5598	16.92				
1719-03-5	Chrysene-d12	6154	21.134				
1520-96-3	Perylene-d12	784	23.335				

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	RW7-S301A-50-20240801	SDG No.:	BN080524
Lab Sample ID:	P3455-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033256.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

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

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	RW7-S301A-50-20240801	SDG No.:	BN080524
Lab Sample ID:	P3455-03	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033256.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.328		30-150		82	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.363		30-150		91	SPK: -0.4
367-12-4	2-Fluorophenol	0.085		10-92		21	SPK: -0.4
13127-88-3	Phenol-d6	0.001	*	10-100		0	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.399		11-175		100	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.392		10-175		98	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.37		24-148		93	SPK: -0.4
1718-51-0	Terphenyl-d14	0.56		54-171		140	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1038	7.647				
1146-65-2	Naphthalene-d8	3227	10.393				
15067-26-2	Acenaphthene-d10	2441	14.169				
1517-22-2	Phenanthrene-d10	5721	16.932				
1719-03-5	Chrysene-d12	6407	21.133				
1520-96-3	Perylene-d12	7815	23.303				

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	RW7-SP303-50-20240801	SDG No.:	BN080524
Lab Sample ID:	P3455-04	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
BN033257.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

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	0.16	J	0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	RW7-SP303-50-20240801	SDG No.:	BN080524
Lab Sample ID:	P3455-04	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
BN033257.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.302		30-150		75	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.385		30-150		96	SPK: -0.4
367-12-4	2-Fluorophenol	0.077		10-92		19	SPK: -0.4
13127-88-3	Phenol-d6	0.001	*	10-100		0	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.346		11-175		86	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.36		10-175		90	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.305		24-148		76	SPK: -0.4
1718-51-0	Terphenyl-d14	0.591		54-171		148	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	666	7.64				
1146-65-2	Naphthalene-d8	2577	10.447				
15067-26-2	Acenaphthene-d10	1936	14.176				
1517-22-2	Phenanthrene-d10	4472	16.952				
1719-03-5	Chrysene-d12	5171	21.149				
1520-96-3	Perylene-d12	6231	23.312				

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	RW7-SP100-90-20240801	SDG No.:	BN080524
Lab Sample ID:	P3455-05	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
BN033258.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

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	10.4	E	0.07	0.2	0.2	ug/L

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	RW7-SP100-90-20240801	SDG No.:	BN080524
Lab Sample ID:	P3455-05	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
BN033258.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30-150		83	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.402		30-150		100	SPK: -0.4
367-12-4	2-Fluorophenol	0.136		10-92		34	SPK: -0.4
13127-88-3	Phenol-d6	0	U	10-100		0	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.343		11-175		86	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.416		10-175		104	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.381		24-148		95	SPK: -0.4
1718-51-0	Terphenyl-d14	0.57		54-171		142	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	877	7.568				
1146-65-2	Naphthalene-d8	2931	10.415				
15067-26-2	Acenaphthene-d10	2233	14.158				
1517-22-2	Phenanthrene-d10	5413	16.945				
1719-03-5	Chrysene-d12	6208	21.142				
1520-96-3	Perylene-d12	7247	23.309				

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	RW7-SP201-90-20240801	SDG No.:	BN080524
Lab Sample ID:	P3455-06	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
BN033259.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

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:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	RW7-SP201-90-20240801	SDG No.:	BN080524
Lab Sample ID:	P3455-06	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
BN033259.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

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	0.369		30-150		92	SPK: -0.4
367-12-4	2-Fluorophenol	0	U	10-92		0	SPK: -0.4
13127-88-3	Phenol-d6	0	U	10-100		0	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.361		11-175		90	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.592		10-175		148	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0	U	24-148		0	SPK: -0.4
1718-51-0	Terphenyl-d14	0.676		54-171		169	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	838	7.496				
1146-65-2	Naphthalene-d8	3099	10.266				
15067-26-2	Acenaphthene-d10	2041	14.126				
1517-22-2	Phenanthrene-d10	4882	16.92				
1719-03-5	Chrysene-d12	5245	21.134				
1520-96-3	Perylene-d12	659	23.338				

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	RW7-SP301A-90-20240801	SDG No.:	BN080524
Lab Sample ID:	P3455-07	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
BN033260.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

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	0.04	J	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.02	U	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.03	U	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	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:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	RW7-SP301A-90-20240801	SDG No.:	BN080524
Lab Sample ID:	P3455-07	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
BN033260.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.286		30-150		72	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.391		30-150		98	SPK: -0.4
367-12-4	2-Fluorophenol	0.061		10-92		15	SPK: -0.4
13127-88-3	Phenol-d6	0	U	10-100		0	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.251		11-175		63	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.278		10-175		69	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.336		24-148		84	SPK: -0.4
1718-51-0	Terphenyl-d14	0.448		54-171		112	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	752	7.625				
1146-65-2	Naphthalene-d8	2750	10.426				
15067-26-2	Acenaphthene-d10	2083	14.169				
1517-22-2	Phenanthrene-d10	4747	16.945				
1719-03-5	Chrysene-d12	5790	21.142				
1520-96-3	Perylene-d12	6728	23.306				

Report of Analysis

Client:		Date Collected:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	RW7-SP303-90-20240801	SDG No.:	BN080524
Lab Sample ID:	P3455-08	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
BN033261.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

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:	8/1/2024 12:00:00 AM
Project:		Date Received:	8/1/2024 12:00:00 AM
Client Sample ID:	RW7-SP303-90-20240801	SDG No.:	BN080524
Lab Sample ID:	P3455-08	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
BN033261.D	1	8/2/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162464

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.389		30-150		97	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.428		30-150		107	SPK: -0.4
367-12-4	2-Fluorophenol	0.112		10-92		28	SPK: -0.4
13127-88-3	Phenol-d6	0	U	10-100		0	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.372		11-175		93	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.346		10-175		86	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.345		24-148		86	SPK: -0.4
1718-51-0	Terphenyl-d14	0.584		54-171		146	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	719	7.633				
1146-65-2	Naphthalene-d8	2393	10.436				
15067-26-2	Acenaphthene-d10	1826	14.179				
1517-22-2	Phenanthrene-d10	4107	16.957				
1719-03-5	Chrysene-d12	4950	21.151				
1520-96-3	Perylene-d12	5808	23.32				

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	924-KI-WS-080224	SDG No.:	BN080524
Lab Sample ID:	P3457-01	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
BN033262.D	1	8/5/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162490

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	J	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.02	U	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.02	J	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:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	924-KI-WS-080224	SDG No.:	BN080524
Lab Sample ID:	P3457-01	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
BN033262.D	1	8/5/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.318		30-150		79	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.374		30-150		94	SPK: -0.4
367-12-4	2-Fluorophenol	0.099		10-92		25	SPK: -0.4
13127-88-3	Phenol-d6	0.068		10-100		17	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.28		11-175		70	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.405		10-175		101	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.387		24-148		97	SPK: -0.4
1718-51-0	Terphenyl-d14	0.408		54-171		102	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	827	7.633				
1146-65-2	Naphthalene-d8	3124	10.34				
15067-26-2	Acenaphthene-d10	2029	14.143				
1517-22-2	Phenanthrene-d10	5014	16.914				
1719-03-5	Chrysene-d12	6879	21.122				
1520-96-3	Perylene-d12	7529	23.28				

Report of Analysis

Client:		Date Collected:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	932-KI-WS-080224	SDG No.:	BN080524
Lab Sample ID:	P3457-02	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
BN033263.D	1	8/5/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162490

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	0.03	J	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.03	J	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.05	J	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.04	J	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.04	J	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.04	J	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.14	U	0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	J	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.03	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	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:	8/2/2024 12:00:00 AM
Project:		Date Received:	8/2/2024 12:00:00 AM
Client Sample ID:	932-KI-WS-080224	SDG No.:	BN080524
Lab Sample ID:	P3457-02	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
BN033263.D	1	8/5/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.259		30-150		65	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.311		30-150		78	SPK: -0.4
367-12-4	2-Fluorophenol	0	U	10-92		0	SPK: -0.4
13127-88-3	Phenol-d6	0	U	10-100		0	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.259		11-175		65	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.351		10-175		88	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.324		24-148		81	SPK: -0.4
1718-51-0	Terphenyl-d14	0.401		54-171		100	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	830	7.611				
1146-65-2	Naphthalene-d8	2968	10.351				
15067-26-2	Acenaphthene-d10	2060	14.144				
1517-22-2	Phenanthrene-d10	5104	16.915				
1719-03-5	Chrysene-d12	6330	21.113				
1520-96-3	Perylene-d12	7554	23.28				

Hit Summary Sheet SW-846

SDG No.: BN080524

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : RW7-SP100-50-20240801								
P3455-01	RW7-SP100-50-2024080	Water	1,4-Dioxane	9.000	E	0.07	0.2	ug/L
			Total Svoc :			9.00		
			Total Concentration:			9.00		
Client ID : RW7-SP303-50-20240801								
P3455-04	RW7-SP303-50-2024080	Water	1,4-Dioxane	0.160	J	0.07	0.2	ug/L
			Total Svoc :			0.16		
			Total Concentration:			0.16		
Client ID : RW7-SP100-90-20240801								
P3455-05	RW7-SP100-90-2024080	Water	1,4-Dioxane	10.400	E	0.07	0.2	ug/L
			Total Svoc :			10.40		
			Total Concentration:			10.40		
Client ID : RW7-SP301A-90-20240801								
P3455-07	RW7-SP301A-90-202408	Water	Pyrene	0.040	J	0.02	0.1	ug/L
			Total Svoc :			0.04		
			Total Concentration:			0.04		
Client ID : 924-KI-WS-080224								
P3457-01	924-KI-WS-080224	Water	Fluoranthene	0.020	J	0.02	0.1	ug/L
P3457-01	924-KI-WS-080224	Water	Phenanthrene	0.020	J	0.02	0.1	ug/L
			Total Svoc :			0.04		
			Total Concentration:			0.04		
Client ID : 932-KI-WS-080224								
P3457-02	932-KI-WS-080224	Water	Anthracene	0.030	J	0.02	0.1	ug/L
P3457-02	932-KI-WS-080224	Water	Benzo(a)anthracene	0.040	J	0.02	0.1	ug/L
P3457-02	932-KI-WS-080224	Water	Benzo(b)fluoranthene	0.040	J	0.03	0.1	ug/L
P3457-02	932-KI-WS-080224	Water	Benzo(k)fluoranthene	0.030	J	0.03	0.1	ug/L
P3457-02	932-KI-WS-080224	Water	Chrysene	0.040	J	0.03	0.1	ug/L
P3457-02	932-KI-WS-080224	Water	Fluoranthene	0.050	J	0.02	0.1	ug/L
P3457-02	932-KI-WS-080224	Water	Phenanthrene	0.030	J	0.02	0.1	ug/L
P3457-02	932-KI-WS-080224	Water	Pyrene	0.040	J	0.02	0.1	ug/L
			Total Svoc :			0.30		
			Total Concentration:			0.30		
Client ID : SSTDCCC0.4								
SSTDCCC0.4	SSTDCCC0.4	Water	1,4-Dioxane	170.000	J	68	200	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	2-Methylnaphthalene	440.000		30	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	4,6-Dinitro-2-methylphenol	250.000		140	200	ug/L

Hit Summary Sheet SW-846

SDG No.: BN080524

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDCCC0.4	SSTDCCC0.4	Water	4-Bromophenyl-phenylether	330.000	26		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Acenaphthene	400.000	20		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Acenaphthylene	420.000	21		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Anthracene	410.000	24		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Atrazine	340.000	23		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Benzo(a)anthracene	400.000	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	380.000	32		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Benzo(g,h,i)perylene	300.000	37		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Benzo(k)fluoranthene	350.000	34		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	bis(2-Chloroethyl)ether	520.000	28		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Bis(2-ethylhexyl)phthalate	300.000	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	310.000	39		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Fluoranthene	420.000	23		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Fluorene	420.000	18		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Hexachlorobenzene	340.000	29		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Hexachlorobutadiene	340.000	26		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Indeno(1,2,3-cd)pyrene	310.000	38		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	n-Nitrosodimethylamine	460.000	30		200	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Naphthalene	380.000	24		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Pentachlorophenol	630.000	90		200	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Phenanthrene	380.000	20		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Pyrene	330.000	22		100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Total PAH	5,930.000	456		1600	ug/L

Total Svoc : 15,980.00

Total Concentration: 15,980.00

Client ID : ICVBN080524

SSTDICV0.4	ICVBN080524	Water	1,4-Dioxane	390.000	68		200	ug/L
SSTDICV0.4	ICVBN080524	Water	2-Methylnaphthalene	360.000	30		100	ug/L
SSTDICV0.4	ICVBN080524	Water	4,6-Dinitro-2-methylphenol	410.000	140		200	ug/L
SSTDICV0.4	ICVBN080524	Water	4-Bromophenyl-phenylether	360.000	26		100	ug/L
SSTDICV0.4	ICVBN080524	Water	Acenaphthene	380.000	20		100	ug/L
SSTDICV0.4	ICVBN080524	Water	Acenaphthylene	390.000	21		100	ug/L
SSTDICV0.4	ICVBN080524	Water	Anthracene	350.000	24		100	ug/L
SSTDICV0.4	ICVBN080524	Water	Atrazine	370.000	23		100	ug/L
SSTDICV0.4	ICVBN080524	Water	Benzo(a)anthracene	370.000	22		100	ug/L
SSTDICV0.4	ICVBN080524	Water	Benzo(a)pyrene	400.000	56		100	ug/L
SSTDICV0.4	ICVBN080524	Water	Benzo(b)fluoranthene	340.000	32		100	ug/L
SSTDICV0.4	ICVBN080524	Water	Benzo(g,h,i)perylene	350.000	37		100	ug/L

Hit Summary Sheet SW-846

SDG No.: BN080524

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV0.4	ICVBN080524	Water	Benzo(k)fluoranthene	390.000	34		100	ug/L
SSTDICV0.4	ICVBN080524	Water	bis(2-Chloroethyl)ether	400.000	28		100	ug/L
SSTDICV0.4	ICVBN080524	Water	Bis(2-ethylhexyl)phthalate	320.000	140		200	ug/L
SSTDICV0.4	ICVBN080524	Water	Chrysene	400.000	26		100	ug/L
SSTDICV0.4	ICVBN080524	Water	Dibenzo(a,h)anthracene	380.000	39		100	ug/L
SSTDICV0.4	ICVBN080524	Water	Fluoranthene	360.000	23		100	ug/L
SSTDICV0.4	ICVBN080524	Water	Fluorene	390.000	18		100	ug/L
SSTDICV0.4	ICVBN080524	Water	Hexachlorobenzene	380.000	29		100	ug/L
SSTDICV0.4	ICVBN080524	Water	Hexachlorobutadiene	390.000	26		100	ug/L
SSTDICV0.4	ICVBN080524	Water	Indeno(1,2,3-cd)pyrene	380.000	38		100	ug/L
SSTDICV0.4	ICVBN080524	Water	n-Nitrosodimethylamine	410.000	30		200	ug/L
SSTDICV0.4	ICVBN080524	Water	Naphthalene	400.000	24		100	ug/L
SSTDICV0.4	ICVBN080524	Water	Pentachlorophenol	320.000	90		200	ug/L
SSTDICV0.4	ICVBN080524	Water	Phenanthrene	370.000	20		100	ug/L
SSTDICV0.4	ICVBN080524	Water	Pyrene	360.000	22		100	ug/L
SSTDICV0.4	ICVBN080524	Water	Total PAH	6,010.000	456		1600	ug/L
Total Svoc :						16,130.00		
Total Concentration:						16,130.00		

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN080524 SAS No.: BN080524 SDG No.: BN080524

Instrument ID: _____ Calibration Date(s): 8/5/2024 1: _____

Calibration Time(s): 18:39 _____

LAB FILE ID:	RRF0.1 = BN033241.D			RRF0.2 = BN033242.D			RRF0.4 = BN033243.D	
	RRF0.8 = BN033244.D			RRF1.6 = BN033245.D			RRF3.2 = BN033246.D	
COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.538	0.554	0.581	0.632	0.640	0.597	0.593	6.4
Fluoranthene-d10	1.129	1.104	1.060	1.185	1.162	1.097	1.119	3.8
n-Nitrosodimethylamine		0.465	0.424	0.504	0.501	0.505	0.488	7.6
2-Fluorophenol		0.916	1.099	1.085	1.040	0.865	0.991	9.8
Phenol-d6		1.084	1.420	1.441	1.449	1.355	1.361	10.3
bis(2-Chloroethyl)ether	0.877	1.027	1.197	1.268	1.444	1.022	1.147	16.3
Nitrobenzene-d5	0.264	0.311	0.273	0.363	0.365	0.339	0.322	12.6
Naphthalene	1.030	1.091	1.050	1.179	1.144	1.057	1.087	5.1
Hexachlorobutadiene	0.222	0.210	0.201	0.210	0.205	0.182	0.202	7.2
2-Methylnaphthalene	0.530	0.582	0.555	0.703	0.740	0.700	0.648	13.7
2-Fluorobiphenyl	1.262	1.228	1.294	1.521	1.489	1.369	1.368	8.3
Acenaphthylene	1.442	1.394	1.473	1.705	1.741	1.675	1.596	9.6
Acenaphthene	1.101	1.052	1.121	1.247	1.221	1.137	1.152	6.0
Fluorene	1.477	1.442	1.470	1.692	1.668	1.557	1.559	6.4
4,6-Dinitro-2-methylphenol		0.027	0.035	0.051	0.062	0.063	0.052	35.0
2,4,6-Tribromophenol	0.166	0.124	0.132	0.152	0.154	0.149	0.149	10.7
4-Bromophenyl-phenylether	0.197	0.208	0.202	0.240	0.234	0.203	0.212	8.1
Hexachlorobenzene	0.232	0.216	0.209	0.242	0.234	0.211	0.222	6.3
Atrazine	0.216	0.193	0.182	0.211	0.205	0.195	0.200	5.7
Pentachlorophenol	0.062	0.059	0.067	0.079	0.084	0.081	0.074	15.4
Phenanthrene	1.106	1.004	0.972	1.159	1.148	1.072	1.076	6.5
Anthracene	0.775	0.764	0.809	0.984	1.020	0.970	0.902	12.5
Fluoranthene	1.581	1.463	1.382	1.541	1.514	1.430	1.476	4.9
Pyrene	1.556	1.462	1.249	1.523	1.450	1.206	1.398	9.7
Terphenyl-d14	0.706	0.719	0.625	0.762	0.729	0.616	0.691	7.8
Benzo (a) anthracene	1.050	1.043	1.059	1.311	1.240	1.121	1.152	9.5
Chrysene	1.716	1.695	1.423	1.640	1.552	1.352	1.547	9.2
Bis(2-ethylhexyl)phthalate	0.884	0.541	0.210	0.165	0.075	0.039	0.277	115.8
Benzo (b) fluoranthene	1.072	1.071	1.065	1.329	1.387	1.268	1.213	11.5
Benzo (k) fluoranthene	1.542	1.486	1.354	1.671	1.643	1.471	1.518	7.3
Benzo (a) pyrene	1.184	1.153	1.080	1.308	1.317	1.236	1.218	7.0
Indeno (1,2,3-cd) pyrene	1.688	1.705	1.649	1.937	1.932	1.883	1.808	6.8
Dibenzo (a,h) anthracene	1.313	1.334	1.304	1.523	1.529	1.505	1.428	7.3
Benzo (g,h,i) perylene	1.577	1.580	1.536	1.760	1.724	1.654	1.636	5.0
1,4-Dioxane		0.805	0.609	0.609	0.552	0.466	0.583	21.8

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.: BN080524 SAS No.: BN080524 SDG NO.: BN080524

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 5 2024 12:00AM

Lab File ID: BN033243.D Time Analyzed: 17:45

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	966	7.51	3640	10.32	2509	14.13
UPPER LIMIT	1932	8.01	7280	10.819	5018	14.626
LOWER LIMIT	483	7.01	1820	9.819	1254.5	13.626
EPA SAMPLE NO.						
01 SSTDCCC0.4	640	7.47	2812	10.23	1940	14.10
02 ICVBN080524	839	7.53	3354	10.34	2423	14.13
03 PB162464BL	1029	7.68	3111	10.52	1921	14.22
04 PB162464BL	1306	7.63	4124	10.51	2380	14.21
05 PB162464BS	1021	7.52	3951	10.33	2796	14.13
06 RW7-SP100-50-20240801	929	7.66	2882	10.46	2013	14.19
07 RW7-SP201-50-20240801	943	7.50	3596	10.27	2272	14.13
08 RW7-S301A-50-20240801	1038	7.65	3227	10.39	2441	14.17
09 RW7-SP303-50-20240801	666	7.64	2577	10.45	1936	14.18
10 RW7-SP100-90-20240801	877	7.57	2931	10.42	2233	14.16
11 RW7-SP201-90-20240801	838	7.50	3099	10.27	2041	14.13
12 RW7-SP301A-90-20240801	752	7.63	2750	10.43	2083	14.17
13 RW7-SP303-90-20240801	719	7.63	2393	10.44	1826	14.18
14 924-KI-WS-080224	827	7.63	3124	10.34	2029	14.14
15 932-KI-WS-080224	830	7.61	2968	10.35	2060	14.14

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.: BN080524 SAS No.: BN080524 SDG NO.: BN080524

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 5 2024 12:00AM

Lab File ID: BN033243.D Time Analyzed: 22:58

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	966	7.51	3640	10.32	2509	14.13
UPPER LIMIT	1932	8.01	7280	10.819	5018	14.626
LOWER LIMIT	483	7.01	1820	9.819	1254.5	13.626
EPA SAMPLE NO.						
01 ICVBN080524	839	7.53	3354	10.34	2423	14.13
02 PB162464BL	1029	7.68	3111	10.52	1921	14.22

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN080524 SAS No.: BN080524 SDG NO.: BN080524

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 6 2024 12:00AM

Lab File ID: BN033251.D Time Analyzed: 02:04

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	866	7.51	3240	10.34	2331	14.14
UPPER LIMIT	1732	8.01	6480	10.84	4662	14.637
LOWER LIMIT	433	7.01	1620	9.84	1165.5	13.637
EPA SAMPLE NO.						
01 PB162464BL	1306	7.63	4124	10.51	2380	14.21
02 PB162464BS	1021	7.52	3951	10.33	2796	14.13
03 RW7-SP100-50-20240801	929	7.66	2882	10.46	2013	14.19
04 RW7-SP201-50-20240801	943	7.50	3596	10.27	2272	14.13
05 RW7-S301A-50-20240801	1038	7.65	3227	10.39	2441	14.17
06 RW7-SP303-50-20240801	666	7.64	2577	10.45	1936	14.18
07 RW7-SP100-90-20240801	877	7.57	2931	10.42	2233	14.16
08 RW7-SP201-90-20240801	838	7.50	3099	10.27	2041	14.13
09 RW7-SP301A-90-20240801	752	7.63	2750	10.43	2083	14.17
10 RW7-SP303-90-20240801	719	7.63	2393	10.44	1826	14.18
11 924-KI-WS-080224	827	7.63	3124	10.34	2029	14.14
12 932-KI-WS-080224	830	7.61	2968	10.35	2060	14.14

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.: BN080524 SAS No.: BN080524 SDG NO.: BN080524

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 5 2024 12:00AM

Lab File ID: BN033243.D Time Analyzed: 17:45

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	5788	16.92	6783	21.125	8596	23.291
	UPPER LIMIT	11576	17.42	13566	21.625	17192	23.791
	LOWER LIMIT	2894	16.42	3391.5	20.625	4298	22.791
	EPA SAMPLE NO.						
01	SSTDICCC0.4	5460	16.88	8012	21.10	9660	23.28
02	ICVBN080524	5777	16.93	6570	21.12	8080	23.29
03	PB162464BL	4706	17.02	5871	21.16	6677	23.32
04	PB162464BL	5709	17.01	6775	21.16	7732	23.32
05	PB162464BS	6560	16.91	6887	21.13	8358	23.30
06	RW7-SP100-50-20240801	5169	16.95	6157	21.14	7251	23.31
07	RW7-SP201-50-20240801	5598	16.92	6154	21.13	784 *	23.34
08	RW7-S301A-50-20240801	5721	16.93	6407	21.13	7815	23.30
09	RW7-SP303-50-20240801	4472	16.95	5171	21.15	6231	23.31
10	RW7-SP100-90-20240801	5413	16.95	6208	21.14	7247	23.31
11	RW7-SP201-90-20240801	4882	16.92	5245	21.13	659 *	23.34
12	RW7-SP301A-90-20240801	4747	16.95	5790	21.14	6728	23.31
13	RW7-SP303-90-20240801	4107	16.96	4950	21.15	5808	23.32
14	924-KI-WS-080224	5014	16.91	6879	21.12	7529	23.28
15	932-KI-WS-080224	5104	16.92	6330	21.11	7554	23.28

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN080524 SAS No.: BN080524 SDG NO.: BN080524

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 6 2024 12:00AM

Lab File ID: BN033243.D Time Analyzed: 08:45

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	5788	16.92	6783	21.125	8596	23.291
UPPER LIMIT	11576	17.42	13566	21.625	17192	23.791
LOWER LIMIT	2894	16.42	3391.5	20.625	4298	22.791
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN080524 SAS No.: BN080524 SDG NO.: BN080524

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 5 2024 12:00AM

Lab File ID: BN033243.D Time Analyzed: 22:58

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	5788	16.92	6783	21.125	8596	23.291
UPPER LIMIT	11576	17.42	13566	21.625	17192	23.791
LOWER LIMIT	2894	16.42	3391.5	20.625	4298	22.791
EPA SAMPLE NO.						
01 ICVBN080524	5777	16.93	6570	21.12	8080	23.29
02 PB162464BL	4706	17.02	5871	21.16	6677	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.: BN080524 SAS No.: BN080524 SDG NO.: BN080524

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 6 2024 12:00AM

Lab File ID: BN033251.D Time Analyzed: 02:04

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	5493	16.92	6325	21.125	8047	23.291
UPPER LIMIT	10986	17.42	12650	21.625	16094	23.791
LOWER LIMIT	2746.5	16.42	3162.5	20.625	4023.5	22.791
EPA SAMPLE NO.						
01 PB162464BL	5709	17.01	6775	21.16	7732	23.32
02 PB162464BS	6560	16.91	6887	21.13	8358	23.30
03 RW7-SP100-50-20240801	5169	16.95	6157	21.14	7251	23.31
04 RW7-SP201-50-20240801	5598	16.92	6154	21.13	784 *	23.34
05 RW7-S301A-50-20240801	5721	16.93	6407	21.13	7815	23.30
06 RW7-SP303-50-20240801	4472	16.95	5171	21.15	6231	23.31
07 RW7-SP100-90-20240801	5413	16.95	6208	21.14	7247	23.31
08 RW7-SP201-90-20240801	4882	16.92	5245	21.13	659 *	23.34
09 RW7-SP301A-90-20240801	4747	16.95	5790	21.14	6728	23.31
10 RW7-SP303-90-20240801	4107	16.96	4950	21.15	5808	23.32
11 924-KI-WS-080224	5014	16.91	6879	21.12	7529	23.28
12 932-KI-WS-080224	5104	16.92	6330	21.11	7554	23.28

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.: **BN080524**

Client:

Analytical Method: **8270-Modified**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB162464BS	n-Nitrosodimethylamine	0.4	0.42	ug/L	105					33	130	
	bis(2-Chloroethyl)ether	0.4	0.45	ug/L	113					55	118	
	Naphthalene	0.4	0.42	ug/L	105					67	120	
	Hexachlorobutadiene	0.4	0.42	ug/L	105					33	114	
	2-Methylnaphthalene	0.4	0.38	ug/L	95					50	122	
	Acenaphthylene	0.4	0.4	ug/L	100					60	119	
	Acenaphthene	0.4	0.42	ug/L	105					65	119	
	Total PAH	6.4	6.19	ug/L	97					65	119	
	Fluorene	0.4	0.41	ug/L	103					58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.42	ug/L	105					20	150	
	4-Bromophenyl-phenylether	0.4	0.39	ug/L	98					20	150	
	Hexachlorobenzene	0.4	0.4	ug/L	100					62	127	
	Atrazine	0.4	0.35	ug/L	88					20	150	
	Pentachlorophenol	0.8	0.32	ug/L	40					10	137	
	Phenanthrene	0.4	0.38	ug/L	95					65	117	
	Anthracene	0.4	0.35	ug/L	88					57	118	
	Fluoranthene	0.4	0.37	ug/L	93					53	126	
	Pyrene	0.4	0.39	ug/L	98					54	124	
	Benzo(a)anthracene	0.4	0.34	ug/L	85					54	130	
	Chrysene	0.4	0.43	ug/L	108					64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.35	ug/L	88					40	137	
	Benzo(b)fluoranthene	0.4	0.38	ug/L	95					65	121	
	Benzo(k)fluoranthene	0.4	0.4	ug/L	100					72	119	
	Benzo(a)pyrene	0.4	0.38	ug/L	95					68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.37	ug/L	93					70	127	
	Dibenz(a,h)anthracene	0.4	0.37	ug/L	93					65	121	
	Benzo(g,h,i)perylene	0.4	0.38	ug/L	95					76	117	
	1,4-Dioxane	0.4	0.35	ug/L	88					60	132	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SSTDCCC0.4

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN080524

SAS No.: BN080524 SDG NO.: BN080524

Lab File ID: BN033240.D

Lab Sample ID: SSTDCCC0.4

Instrument ID: BNA_N

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 08/05/2024

Level: (low/med) LOW

Time Analyzed: 17:45

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	BN033240.D	08/05/2024
ICVBN080524	SSTDICV0.4	BN033248.D	08/05/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162464BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN080524

SAS No.: BN080524 SDG NO.: BN080524

Lab File ID: BN033249.D

Lab Sample ID: PB162464BL

Instrument ID: BNA_N

Date Extracted: 08/02/2024

Matrix: (soil/water) Water

Date Analyzed: 08/06/2024

Level: (low/med) LOW

Time Analyzed: 00:12

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RW7-SP100-50-20240801	P3455-01	BN033254.D	08/06/2024
RW7-SP201-50-20240801	P3455-02	BN033255.D	08/06/2024
PB162464BS	PB162464BS	BN033253.D	08/06/2024
RW7-S301A-50-20240801	P3455-03	BN033256.D	08/06/2024
RW7-SP303-50-20240801	P3455-04	BN033257.D	08/06/2024
RW7-SP100-90-20240801	P3455-05	BN033258.D	08/06/2024
RW7-SP201-90-20240801	P3455-06	BN033259.D	08/06/2024
RW7-SP301A-90-20240801	P3455-07	BN033260.D	08/06/2024
RW7-SP303-90-20240801	P3455-08	BN033261.D	08/06/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

924-KI-WS-080224

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN080524

SAS No.: BN080524 SDG NO.: BN080524

Lab File ID: BN033262.D

Lab Sample ID: P3457-01

Instrument ID: BNA_N

Date Extracted: 08/05/2024

Matrix: (soil/water) Water

Date Analyzed: 08/06/2024

Level: (low/med) LOW

Time Analyzed: 08:08

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
924-KI-WS-080224	P3457-01	BN033262.D	08/06/2024
932-KI-WS-080224	P3457-02	BN033263.D	08/06/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: **BN080524**

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	BN033240.D	2-Methylnaphthalene-d10	0.4	398.00	99500	*	30	150
			Fluoranthene-d10	0.4	430.00	107500	*	30	150
			2-Fluorophenol	0.4	441.00	110250	*	10	92
			Phenol-d6	0.4	22.00	5500	*	10	100
			Nitrobenzene-d5	0.4	374.00	93500	*	11	175
			2-Fluorobiphenyl	0.4	350.00	87500	*	10	175
			2,4,6-Tribromophenol	0.4	553.00	138250	*	24	148
			Terphenyl-d14	0.4	328.00	82000	*	54	171
SSTDICV0.4	ICVBN080524	BN033248.D	2-Methylnaphthalene-d10	0.4	420.00	105000	*	30	150
			Fluoranthene-d10	0.4	372.00	93000	*	30	150
			2-Fluorophenol	0.4	421.00	105250	*	10	92
			Phenol-d6	0.4	373.00	93250	*	10	100
			Nitrobenzene-d5	0.4	363.00	90750	*	11	175
			2-Fluorobiphenyl	0.4	393.00	98250	*	10	175
			2,4,6-Tribromophenol	0.4	330.00	82500	*	24	148
			Terphenyl-d14	0.4	446.00	111500	*	54	171

Surrogate Summary

SW-846

SDG No.: **BN080524**

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3455-01	RW7-SP100-50-202BN033254.D		2-Methylnaphthalene-d10	0.4	0.28	70		30	150
			Fluoranthene-d10	0.4	0.38	94		30	150
			2-Fluorophenol	0.4	0.12	29		10	92
			Phenol-d6	0.4	0.00	0	*	10	100
			Nitrobenzene-d5	0.4	0.36	90		11	175
			2-Fluorobiphenyl	0.4	0.38	95		10	175
			2,4,6-Tribromophenol	0.4	0.39	97		24	148
			Terphenyl-d14	0.4	0.56	139		54	171
P3455-02	RW7-SP201-50-202BN033255.D		2-Methylnaphthalene-d10	0.4	0.32	79		30	150
			Fluoranthene-d10	0.4	0.33	83		30	150
			2-Fluorophenol	0.4	0.04	10		10	92
			Phenol-d6	0.4	0.01	4	*	10	100
			Nitrobenzene-d5	0.4	0.33	82		11	175
			2-Fluorobiphenyl	0.4	0.46	115		10	175
			2,4,6-Tribromophenol	0.4	0.02	5	*	24	148
			Terphenyl-d14	0.4	0.56	140		54	171
P3455-03	RW7-S301A-50-20:BN033256.D		2-Methylnaphthalene-d10	0.4	0.33	82		30	150
			Fluoranthene-d10	0.4	0.36	91		30	150
			2-Fluorophenol	0.4	0.09	21		10	92
			Phenol-d6	0.4	0.00	0	*	10	100
			Nitrobenzene-d5	0.4	0.40	100		11	175
			2-Fluorobiphenyl	0.4	0.39	98		10	175
			2,4,6-Tribromophenol	0.4	0.37	93		24	148
			Terphenyl-d14	0.4	0.56	140		54	171
P3455-04	RW7-SP303-50-202BN033257.D		2-Methylnaphthalene-d10	0.4	0.30	75		30	150
			Fluoranthene-d10	0.4	0.39	96		30	150
			2-Fluorophenol	0.4	0.08	19		10	92
			Phenol-d6	0.4	0.00	0	*	10	100
			Nitrobenzene-d5	0.4	0.35	86		11	175
			2-Fluorobiphenyl	0.4	0.36	90		10	175
			2,4,6-Tribromophenol	0.4	0.31	76		24	148
			Terphenyl-d14	0.4	0.59	148		54	171
P3455-05	RW7-SP100-90-202BN033258.D		2-Methylnaphthalene-d10	0.4	0.33	83		30	150
			Fluoranthene-d10	0.4	0.40	100		30	150
			2-Fluorophenol	0.4	0.14	34		10	92
			Phenol-d6	0.4	0.00	0	*	10	100
			Nitrobenzene-d5	0.4	0.34	86		11	175
			2-Fluorobiphenyl	0.4	0.42	104		10	175
			2,4,6-Tribromophenol	0.4	0.38	95		24	148
			Terphenyl-d14	0.4	0.57	142		54	171
P3455-06	RW7-SP201-90-202BN033259.D		2-Methylnaphthalene-d10	0.4	0.36	89		30	150
			Fluoranthene-d10	0.4	0.37	92		30	150
			2-Fluorophenol	0.4	0.00	0	*	10	92
			Phenol-d6	0.4	0.00	0	*	10	100
			Nitrobenzene-d5	0.4	0.36	90		11	175
			2-Fluorobiphenyl	0.4	0.59	148		10	175
			2,4,6-Tribromophenol	0.4	0.00	0	*	24	148
			Terphenyl-d14	0.4	0.68	169		54	171
P3455-07	RW7-SP301A-90-202BN033260.D		2-Methylnaphthalene-d10	0.4	0.29	72		30	150

Surrogate Summary

SW-846

SDG No.: **BN080524**

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3455-07	RW7-SP301A-90-2	BN033260.D	Fluoranthene-d10	0.4	0.39	98		30	150
			2-Fluorophenol	0.4	0.06	15		10	92
			Phenol-d6	0.4	0.00	0	*	10	100
			Nitrobenzene-d5	0.4	0.25	63		11	175
			2-Fluorobiphenyl	0.4	0.28	69		10	175
			2,4,6-Tribromophenol	0.4	0.34	84		24	148
			Terphenyl-d14	0.4	0.45	112		54	171
P3455-08	RW7-SP303-90-202	BN033261.D	2-Methylnaphthalene-d10	0.4	0.39	97		30	150
			Fluoranthene-d10	0.4	0.43	107		30	150
			2-Fluorophenol	0.4	0.11	28		10	92
			Phenol-d6	0.4	0.00	0	*	10	100
			Nitrobenzene-d5	0.4	0.37	93		11	175
			2-Fluorobiphenyl	0.4	0.35	86		10	175
			2,4,6-Tribromophenol	0.4	0.35	86		24	148
PB162464BL	PB162464BL	BN033249.D	2-Methylnaphthalene-d10	0.4	0.33	83		30	150
			2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		BN033252.D	Fluoranthene-d10	0.4	0.40	100		30	150
			Fluoranthene-d10	0.4	0.40	100		30	150
		BN033249.D	2-Fluorophenol	0.4	0.42	105	*	10	92
			2-Fluorophenol	0.4	0.32	81		10	92
		BN033252.D	Phenol-d6	0.4	0.32	80		10	100
			Phenol-d6	0.4	0.33	83		10	100
		BN033249.D	Nitrobenzene-d5	0.4	0.39	98		11	175
			Nitrobenzene-d5	0.4	0.36	89		11	175
		BN033252.D	2-Fluorobiphenyl	0.4	0.33	83		10	175
			2-Fluorobiphenyl	0.4	0.35	87		10	175
		BN033249.D	2,4,6-Tribromophenol	0.4	0.20	50		24	148
			2,4,6-Tribromophenol	0.4	0.29	73		24	148
PB162464BS	PB162464BS	BN033252.D	Terphenyl-d14	0.4	0.40	100		54	171
			Terphenyl-d14	0.4	0.42	105		54	171
		BN033253.D	2-Methylnaphthalene-d10	0.4	0.41	101		30	150
			Fluoranthene-d10	0.4	0.37	94		30	150
			2-Fluorophenol	0.4	0.43	108	*	10	92
			Phenol-d6	0.4	0.46	115	*	10	100
			Nitrobenzene-d5	0.4	0.38	95		11	175
			2-Fluorobiphenyl	0.4	0.41	102		10	175
			2,4,6-Tribromophenol	0.4	0.37	92		24	148
			Terphenyl-d14	0.4	0.40	99		54	171

Surrogate Summary

SW-846

SDG No.: **BN080524**

Client: _____

Analytical Method: **8270-Modified**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3457-01	924-KI-WS-080224BN033262.D		2-Methylnaphthalene-d10	0.4	0.32	79		30	150
			Fluoranthene-d10	0.4	0.37	94		30	150
			2-Fluorophenol	0.4	0.10	25		10	92
			Phenol-d6	0.4	0.07	17		10	100
			Nitrobenzene-d5	0.4	0.28	70		11	175
			2-Fluorobiphenyl	0.4	0.41	101		10	175
			2,4,6-Tribromophenol	0.4	0.39	97		24	148
			Terphenyl-d14	0.4	0.41	102		54	171
P3457-02	932-KI-WS-080224BN033263.D		2-Methylnaphthalene-d10	0.4	0.26	65		30	150
			Fluoranthene-d10	0.4	0.31	78		30	150
			2-Fluorophenol	0.4	0.00	0	*	10	92
			Phenol-d6	0.4	0.00	0	*	10	100
			Nitrobenzene-d5	0.4	0.26	65		11	175
			2-Fluorobiphenyl	0.4	0.35	88		10	175
			2,4,6-Tribromophenol	0.4	0.32	81		24	148
			Terphenyl-d14	0.4	0.40	100		54	171

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN080524

Lab Code: CHEM

SAS No.: BN080524 SDG NO.: BN080524

Lab File ID: BN033239.D

DFTPP Injection Date: 08/05/2024

Instrument ID: BNA_N

DFTPP Injection Time: 16:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.9
68	Less than 2.0% of mass 69	0.8 (1.7) 1
69	Mass 69 relative abundance	44.6
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	54.2
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.7
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	9.6
442	Greater than 50% of mass 198	56.8
443	15.0 - 24.0% of mass 442	11.9 (20.9) 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	BN033240.D	08/05/2024	17:45
SSTDICC0.1	SSTDICC0.1	BN033241.D	08/05/2024	18:39
SSTDICC0.2	SSTDICC0.2	BN033242.D	08/05/2024	19:16
SSTDICCC0.4	SSTDICCC0.4	BN033243.D	08/05/2024	19:53
SSTDICC0.8	SSTDICC0.8	BN033244.D	08/05/2024	20:30
SSTDICC1.6	SSTDICC1.6	BN033245.D	08/05/2024	21:07
SSTDICC3.2	SSTDICC3.2	BN033246.D	08/05/2024	21:44
SSTDICC5.0	SSTDICC5.0	BN033247.D	08/05/2024	22:21
ICVBN080524	SSTDICV0.4	BN033248.D	08/05/2024	22:58
PB162464BL	PB162464BL	BN033249.D	08/06/2024	00:12

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN080524

Lab Code: CHEM

SAS No.: BN080524 SDG NO.: BN080524

Lab File ID: BN033250.D

DFTPP Injection Date: 08/06/2024

Instrument ID: BNA_N

DFTPP Injection Time: 00:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.7
68	Less than 2.0% of mass 69	0.8 (1.8) 1
69	Mass 69 relative abundance	45.2
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	54.4
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	6.8
275	10.0 - 60.0% of mass 198	26.7
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	8.8
442	Greater than 50% of mass 198	58.6
443	15.0 - 24.0% of mass 442	10.9 (18.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN033251.D	08/06/2024	01:28
PB162464BL	PB162464BL	BN033252.D	08/06/2024	02:04
PB162464BS	PB162464BS	BN033253.D	08/06/2024	02:41
RW7-SP100-50-20240801	P3455-01	BN033254.D	08/06/2024	03:17
RW7-SP201-50-20240801	P3455-02	BN033255.D	08/06/2024	03:54
RW7-S301A-50-20240801	P3455-03	BN033256.D	08/06/2024	04:30
RW7-SP303-50-20240801	P3455-04	BN033257.D	08/06/2024	05:07
RW7-SP100-90-20240801	P3455-05	BN033258.D	08/06/2024	05:43
RW7-SP201-90-20240801	P3455-06	BN033259.D	08/06/2024	06:19
RW7-SP301A-90-20240801	P3455-07	BN033260.D	08/06/2024	06:56
RW7-SP303-90-20240801	P3455-08	BN033261.D	08/06/2024	07:32
924-KI-WS-080224	P3457-01	BN033262.D	08/06/2024	08:08
932-KI-WS-080224	P3457-02	BN033263.D	08/06/2024	08:45