CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041224 SAS No.: BN041224 SDG No.: BN041224

Instrument ID: BNA_N Calibration Date/Time: 4/12/2024 12 19:00

Lab File ID: BN030869.D Init. Calib. Date(s):

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

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.613	0.580		-5.383	50.0
Fluoranthene-d10	1.112	1.010		-9.173	50.0
n-Nitrosodimethylamine	0.464	0.435		-6.25	50.0
2-Fluorophenol	0.960	0.879		-8.437	50.0
Phenol-d6	1.162	1.047		-9.897	50.0
bis(2-Chloroethyl)ether	1.085	1.012		-6.728	50.0
Nitrobenzene-d5	0.286	0.257		-10.14	50.0
Naphthalene	1.106	1.071		-3.165	50.0
Hexachlorobutadiene	0.221	0.219		-0.905	50.0
2-Methylnaphthalene	0.724	0.688		-4.972	50.0
2-Fluorobiphenyl	1.418	1.377		-2.891	50.0
Acenaphthylene	1.748	1.558		-10.87	50.0
Acenaphthene	1.235	1.179		-4.534	50.0
Fluorene	1.623	1.530		-5.73	50.0
4,6-Dinitro-2-methylphenol	0.050	0.030		-40.0	50.0
2,4,6-Tribromophenol	0.162	0.129		-20.37	50.0
4-Bromophenyl-phenylether	0.235	0.224		-4.681	50.0
Hexachlorobenzene	0.274	0.270		-1.46	50.0
Atrazine	0.175	0.148		-15.429	50.0
Pentachlorophenol	0.093	0.065		-30.108	50.0
Phenanthrene	1.171	1.112		-5.038	50.0
Anthracene	0.978	0.858		-12.27	50.0
Fluoranthene	1.449	1.306		-9.869	50.0
Pyrene	1.504	1.486		-1.197	50.0
Terphenyl-d14	0.909	0.892		-1.87	50.0
Benzo(a)anthracene	1.387	1.285		-7.354	50.0
Chrysene	1.486	1.418		-4.576	50.0
Bis(2-ethylhexyl)phthalate	0.605	0.504		-16.694	50.0
Benzo(b)fluoranthene	1.771	1.683		-4.969	50.0
Benzo(k)fluoranthene	1.670	1.598		-4.311	50.0
Benzo(a)pyrene	1.364	1.316		-3.519	50.0
Indeno(1,2,3-cd)pyrene	1.564	1.468		-6.138	50.0
Dibenzo(a,h)anthracene	1.243	1.162		-6.516	50.0
Benzo(g,h,i)perylene	1.346	1.276		-5.201	50.0
1,4-Dioxane	0.483	0.459		-4.969	50.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041224 SAS No.: BN041224 SDG No.: BN041224

Instrument ID: BNA_N Calibration Date/Time: 4/12/2024 12 20:57

Lab File ID: BN030871.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	0.613	0.584		-4.731	20.0
Fluoranthene-d10	1.112	1.011		-9.083	20.0
n-Nitrosodimethylamine	0.464	0.442		-4.741	20.0
2-Fluorophenol	0.960	0.868		-9.583	20.0
Phenol-d6	1.162	1.051		-9.552	20.0
bis(2-Chloroethyl)ether	1.085	1.020		-5.991	20.0
Nitrobenzene-d5	0.286	0.258		-9.79	20.0
Naphthalene	1.106	1.082		-2.17	20.0
Hexachlorobutadiene	0.221	0.222		0.452	20.0
2-Methylnaphthalene	0.724	0.691		-4.558	20.0
2-Fluorobiphenyl	1.418	1.407		-0.776	20.0
Acenaphthylene	1.748	1.593		-8.867	20.0
Acenaphthene	1.235	1.201		-2.753	20.0
Fluorene	1.623	1.527		-5.915	20.0
4,6-Dinitro-2-methylphenol	0.050	0.028		-44.0	20.0
2,4,6-Tribromophenol	0.162	0.126		-22.222	20.0
4-Bromophenyl-phenylether	0.235	0.224		-4.681	20.0
Hexachlorobenzene	0.274	0.273		-0.365	20.0
Atrazine	0.175	0.144		-17.714	20.0
Pentachlorophenol	0.093	0.073		-21.505	20.0
Phenanthrene	1.171	1.137		-2.904	20.0
Anthracene	0.978	0.873		-10.736	20.0
Fluoranthene	1.449	1.313		-9.386	20.0
Pyrene	1.504	1.487		-1.13	20.0
Terphenyl-d14	0.909	0.877		-3.52	20.0
Benzo(a)anthracene	1.387	1.334		-3.821	20.0
Chrysene	1.486	1.435		-3.432	20.0
Bis(2-ethylhexyl)phthalate	0.605	0.565		-6.612	20.0
Benzo(b)fluoranthene	1.771	1.616		-8.752	20.0
Benzo(k)fluoranthene	1.670	1.532		-8.263	20.0
Benzo(a)pyrene	1.364	1.287		-5.645	20.0
Indeno(1,2,3-cd)pyrene	1.564	1.454		-7.033	20.0
Dibenzo(a,h)anthracene	1.243	1.140		-8.286	20.0
Benzo(g,h,i)perylene	1.346	1.248		-7.281	20.0
1,4-Dioxane	0.483	0.455		-5.797	20.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041224 SAS No.: BN041224 SDG No.: BN041224

Instrument ID: BNA_N Calibration Date/Time: 4/12/2024 12 23:59

Lab File ID: BN030875.D Init. Calib. Date(s):

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

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.613	0.579		-5.546	50.0
Fluoranthene-d10	1.112	0.989		-11.061	50.0
n-Nitrosodimethylamine	0.464	0.426		-8.19	50.0
2-Fluorophenol	0.960	0.838		-12.708	50.0
Phenol-d6	1.162	1.000		-13.941	50.0
bis(2-Chloroethyl)ether	1.085	0.996		-8.203	50.0
Nitrobenzene-d5	0.286	0.253		-11.538	50.0
Naphthalene	1.106	1.078		-2.532	50.0
Hexachlorobutadiene	0.221	0.219		-0.905	50.0
2-Methylnaphthalene	0.724	0.687		-5.11	50.0
2-Fluorobiphenyl	1.418	1.419		0.071	50.0
Acenaphthylene	1.748	1.558		-10.87	50.0
Acenaphthene	1.235	1.190		-3.644	50.0
Fluorene	1.623	1.519		-6.408	50.0
4,6-Dinitro-2-methylphenol	0.050	0.028		-44.0	50.0
2,4,6-Tribromophenol	0.162	0.122		-24.691	50.0
4-Bromophenyl-phenylether	0.235	0.220		-6.383	50.0
Hexachlorobenzene	0.274	0.272		-0.73	50.0
Atrazine	0.175	0.138		-21.143	50.0
Pentachlorophenol	0.093	0.065		-30.108	50.0
Phenanthrene	1.171	1.110		-5.209	50.0
Anthracene	0.978	0.849		-13.19	50.0
Fluoranthene	1.449	1.297		-10.49	50.0
Pyrene	1.504	1.516		0.798	50.0
Terphenyl-d14	0.909	0.902		-0.77	50.0
Benzo(a)anthracene	1.387	1.262		-9.012	50.0
Chrysene	1.486	1.427		-3.97	50.0
Bis(2-ethylhexyl)phthalate	0.605	0.499		-17.521	50.0
Benzo(b)fluoranthene	1.771	1.695		-4.291	50.0
Benzo(k)fluoranthene	1.670	1.592		-4.671	50.0
Benzo(a)pyrene	1.364	1.327		-2.713	50.0
Indeno(1,2,3-cd)pyrene	1.564	1.517		-3.005	50.0
Dibenzo(a,h)anthracene	1.243	1.189		-4.344	50.0
Benzo(g,h,i)perylene	1.346	1.300		-3.418	50.0
1,4-Dioxane	0.483	0.454		-6.004	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041224 SAS No.: BN041224 SDG No.: BN041224

Instrument ID: BNA_N Calibration Date/Time: 4/12/2024 12 12:55

Lab File ID: BN030859.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	0.613	0.589		-3.915	20.0
Fluoranthene-d10	1.112	1.059		-4.766	20.0
n-Nitrosodimethylamine	0.464	0.465		0.216	20.0
2-Fluorophenol	0.960	0.917		-4.479	20.0
Phenol-d6	1.162	1.081		-6.971	20.0
bis(2-Chloroethyl)ether	1.085	1.039		-4.24	20.0
Nitrobenzene-d5	0.286	0.267		-6.643	20.0
Naphthalene	1.106	1.074		-2.893	20.0
Hexachlorobutadiene	0.221	0.219		-0.905	20.0
2-Methylnaphthalene	0.724	0.699		-3.453	20.0
2-Fluorobiphenyl	1.418	1.363		-3.879	20.0
Acenaphthylene	1.748	1.600		-8.467	20.0
Acenaphthene	1.235	1.176		-4.777	20.0
Fluorene	1.623	1.543		-4.929	20.0
4,6-Dinitro-2-methylphenol	0.050	0.042		-16.0	20.0
2,4,6-Tribromophenol	0.162	0.143		-11.728	20.0
4-Bromophenyl-phenylether	0.235	0.224		-4.681	20.0
Hexachlorobenzene	0.274	0.263		-4.015	20.0
Atrazine	0.175	0.160		-8.571	20.0
Pentachlorophenol	0.093	0.082		-11.828	20.0
Phenanthrene	1.171	1.123		-4.099	20.0
Anthracene	0.978	0.901		-7.873	20.0
Fluoranthene	1.449	1.385		-4.417	20.0
Pyrene	1.504	1.436		-4.521	20.0
Terphenyl-d14	0.909	0.859		-5.501	20.0
Benzo(a)anthracene	1.387	1.313		-5.335	20.0
Chrysene	1.486	1.412		-4.98	20.0
Bis(2-ethylhexyl)phthalate	0.605	0.548		-9.421	20.0
Benzo(b)fluoranthene	1.771	1.657		-6.437	20.0
Benzo(k)fluoranthene	1.670	1.570		-5.988	20.0
Benzo(a)pyrene	1.364	1.284		-5.865	20.0
Indeno(1,2,3-cd)pyrene	1.564	1.421		-9.143	20.0
Dibenzo(a,h)anthracene	1.243	1.118		-10.056	20.0
Benzo(g,h,i)perylene	1.346	1.229		-8.692	20.0
1,4-Dioxane	0.483	0.505		4.555	20.0

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	SSTDCCC0.4			SDG No.:	BN041224
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
BN030856.D	1		4/12/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	370		30	200	200	ug/L
111-44-4	bis(2-Chloroethyl)ether	380		28	100	100	ug/L
91-20-3	Naphthalene	390		24	100	100	ug/L
87-68-3	Hexachlorobutadiene	400		26	100	100	ug/L
91-57-6	2-Methylnaphthalene	400		30	100	100	ug/L
208-96-8	Acenaphthylene	380		21	100	100	ug/L
83-32-9	Acenaphthene	380		20	100	100	ug/L
Total PAH	Total PAH	6150		456	100	1600	ug/L
86-73-7	Fluorene	390		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	380		26	100	100	ug/L
118-74-1	Hexachlorobenzene	380		29	100	100	ug/L
1912-24-9	Atrazine	330		23	100	100	ug/L
87-86-5	Pentachlorophenol	290		90	200	200	ug/L
85-01-8	Phenanthrene	380		20	100	100	ug/L
120-12-7	Anthracene	370		24	100	100	ug/L
206-44-0	Fluoranthene	360		23	100	100	ug/L
129-00-0	Pyrene	450		22	100	100	ug/L
56-55-3	Benzo(a)anthracene	370		22	100	100	ug/L
218-01-9	Chrysene	390		26	100	100	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	380		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	380		56	100	100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	390		38	100	100	ug/L
53-70-3	Dibenzo(a,h)anthracene	390		39	100	100	ug/L
191-24-2	Benzo(g,h,i)perylene	400		37	100	100	ug/L
123-91-1	1,4-Dioxane	360		68	200	200	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	SSTDCCC0.4			SDG No.:	BN041224
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
BN030856.D	1		4/12/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	395	*	30-150		98750	SPK: -0.4
93951-69-0	Fluoranthene-d10	358	*	30-150		89500	SPK: -0.4
367-12-4	2-Fluorophenol	356	*	10-92		89000	SPK: -0.4
13127-88-3	Phenol-d6	358	*	10-100		89500	SPK: -0.4
4165-60-0	Nitrobenzene-d5	371	*	11-175		92750	SPK: -0.4
321-60-8	2-Fluorobiphenyl	379	*	10-175		94750	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	338	*	24-148		84500	SPK: -0.4
1718-51-0	Terphenyl-d14	441	*	54-171		110250	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6758	7.675				
1146-65-2	Naphthalene-d8	20446	10.453				
15067-26-2	Acenaphthene-d10	12317	14.306				
1517-22-2	Phenanthrene-d10	29214	17.065				
1719-03-5	Chrysene-d12	22237	21.258				
1520-96-3	Perylene-d12	18471	23.492				

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBN041224		SDG No.:	BN041224	
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
BN030864.D	1		4/12/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	380		30	200	200	ug/L
111-44-4	bis(2-Chloroethyl)ether	370		28	100	100	ug/L
91-20-3	Naphthalene	390		24	100	100	ug/L
87-68-3	Hexachlorobutadiene	390		26	100	100	ug/L
91-57-6	2-Methylnaphthalene	380		30	100	100	ug/L
208-96-8	Acenaphthylene	360		21	100	100	ug/L
83-32-9	Acenaphthene	390		20	100	100	ug/L
Total PAH	Total PAH	6060		456	100	1600	ug/L
86-73-7	Fluorene	380		18	100	100	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	300		140	200	200	ug/L
101-55-3	4-Bromophenyl-phenylether	380		26	100	100	ug/L
118-74-1	Hexachlorobenzene	400		29	100	100	ug/L
1912-24-9	Atrazine	350		23	100	100	ug/L
87-86-5	Pentachlorophenol	330		90	200	200	ug/L
85-01-8	Phenanthrene	390		20	100	100	ug/L
120-12-7	Anthracene	360		24	100	100	ug/L
206-44-0	Fluoranthene	370		23	100	100	ug/L
129-00-0	Pyrene	390		22	100	100	ug/L
56-55-3	Benzo(a)anthracene	370		22	100	100	ug/L
218-01-9	Chrysene	390		26	100	100	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	340		140	200	200	ug/L
205-99-2	Benzo(b)fluoranthene	380		32	100	100	ug/L
207-08-9	Benzo(k)fluoranthene	380		34	100	100	ug/L
50-32-8	Benzo(a)pyrene	380		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	370		39	100	100	ug/L
191-24-2	Benzo(g,h,i)perylene	380		37	100	100	ug/L
123-91-1	1,4-Dioxane	390		68	200	200	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBN041224			SDG No.:	BN041224
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
BN030864.D	1		4/12/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	380	*	30-150		95000	SPK: -0.4
93951-69-0	Fluoranthene-d10	375	*	30-150		93750	SPK: -0.4
367-12-4	2-Fluorophenol	369	*	10-92		92250	SPK: -0.4
13127-88-3	Phenol-d6	362	*	10-100		90500	SPK: -0.4
4165-60-0	Nitrobenzene-d5	365	*	11-175		91250	SPK: -0.4
321-60-8	2-Fluorobiphenyl	394	*	10-175		98500	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	335	*	24-148		83750	SPK: -0.4
1718-51-0	Terphenyl-d14	387	*	54-171		96750	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5963	7.675				
1146-65-2	Naphthalene-d8	17290	10.453				
15067-26-2	Acenaphthene-d10	9531	14.306				
1517-22-2	Phenanthrene-d10	21447	17.065				
1719-03-5	Chrysene-d12	20104	21.258				
1520-96-3	Perylene-d12	17653	23.489				

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Report of Analysis

Client:				Date Collected:	3/29/2024 12:00:00 AM
Project:				Date Received:	3/29/2024 12:00:00 AM
Client Sample ID:	PB159883BL			SDG No.:	BN041224
Lab Sample ID:	PB159883BL			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
BN030865.D	1	3/29/2024 12:00:00 AM	4/12/2024 12:00:00 AM	PB159883

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

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Report of Analysis

Client:				Date Collected:	3/29/2024 12:00:00 AM
Project:				Date Received:	3/29/2024 12:00:00 AM
Client Sample ID:	PB159883BL			SDG No.:	BN041224
Lab Sample ID:	PB159883BL			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
BN030865.D	1	3/29/2024 12:00:00 AM	4/12/2024 12:00:00 AM	PB159883

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.391		30-150		98	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.401		30-150		100	SPK: -0.4
367-12-4	2-Fluorophenol	0.425	*	10-92		106	SPK: -0.4
13127-88-3	Phenol-d6	0.414	*	10-100		103	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.398		11-175		100	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.462		10-175		115	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.255		24-148		64	SPK: -0.4
1718-51-0	Terphenyl-d14	0.501		54-171		125	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5719	7.675				
1146-65-2	Naphthalene-d8	16004	10.453				
15067-26-2	Acenaphthene-d10	8287	14.306				
1517-22-2	Phenanthrene-d10	19299	17.065				
1719-03-5	Chrysene-d12	16587	21.258				
1520-96-3	Perylene-d12	14493	23.489				

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Report of Analysis

Client:				Date Collected:	3/26/2024 12:00:00 AM
Project:				Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	RR-PAH-WP			SDG No.:	BN041224
Lab Sample ID:	P1908-21			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
BN030866.D	1	3/29/2024 12:00:00 AM	4/12/2024 12:00:00 AM	PB159883

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	7.7	E	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	7	E	0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	16.5	E	0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	8.1	E	0.02	0.1	0.1	ug/L
Total PAH	Total PAH	65.29	E	0.45	0.1	1.6	ug/L
86-73-7	Fluorene	3.3		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	3.5		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.95		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	1.5		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	2		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	1.5		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.88		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	0.86		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	5	E	0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	1.8		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5	E	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.2		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	2.5		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

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Report of Analysis

Client:				Date Collected:	3/26/2024 12:00:00 AM
Project:				Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	RR-PAH-WP			SDG No.:	BN041224
Lab Sample ID:	P1908-21			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
BN030866.D	1	3/29/2024 12:00:00 AM	4/12/2024 12:00:00 AM	PB159883

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.412		30-150		103	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.419		30-150		105	SPK: -0.4
367-12-4	2-Fluorophenol	0.351		10-92		88	SPK: -0.4
13127-88-3	Phenol-d6	0.371		10-100		93	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.367		11-175		92	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.411		10-175		103	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.168		24-148		42	SPK: -0.4
1718-51-0	Terphenyl-d14	0.39		54-171		97	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4980	7.675				
1146-65-2	Naphthalene-d8	14422	10.453				
15067-26-2	Acenaphthene-d10	7770	14.305				
1517-22-2	Phenanthrene-d10	17833	17.065				
1719-03-5	Chrysene-d12	17505	21.258				
1520-96-3	Perylene-d12	14738	23.489				

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Report of Analysis

Client:				Date Collected:	3/26/2024 12:00:00 AM
Project:				Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	RR-PAH-WPDL			SDG No.:	BN041224
Lab Sample ID:	P1908-21DL			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
BN030867.D	5	3/29/2024 12:00:00 AM	4/12/2024 12:00:00 AM	PB159883

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.15	U	0.15	1	1	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.14	U	0.14	0.5	0.5	ug/L
91-20-3	Naphthalene	6.7	D	0.12	0.5	0.5	ug/L
87-68-3	Hexachlorobutadiene	0.13	U	0.13	0.5	0.5	ug/L
91-57-6	2-Methylnaphthalene	6	D	0.15	0.5	0.5	ug/L
208-96-8	Acenaphthylene	12.6	D	0.11	0.5	0.5	ug/L
83-32-9	Acenaphthene	6.9	D	0.1	0.5	0.5	ug/L
Total PAH	Total PAH	53	D	2.3	0.5	8	ug/L
86-73-7	Fluorene	2.7	D	0.09	0.5	0.5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.7	U	0.7	1	1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.13	U	0.13	0.5	0.5	ug/L
118-74-1	Hexachlorobenzene	0.14	U	0.14	0.5	0.5	ug/L
1912-24-9	Atrazine	0.12	U	0.12	0.5	0.5	ug/L
87-86-5	Pentachlorophenol	0.45	U	0.45	1	1	ug/L
85-01-8	Phenanthrene	2.9	D	0.1	0.5	0.5	ug/L
120-12-7	Anthracene	0.73	D	0.12	0.5	0.5	ug/L
206-44-0	Fluoranthene	1.2	D	0.12	0.5	0.5	ug/L
129-00-0	Pyrene	1.8	D	0.11	0.5	0.5	ug/L
56-55-3	Benzo(a)anthracene	1.2	D	0.11	0.5	0.5	ug/L
218-01-9	Chrysene	0.8	D	0.13	0.5	0.5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.7	U	0.7	1	1	ug/L
205-99-2	Benzo(b)fluoranthene	0.77	D	0.16	0.5	0.5	ug/L
207-08-9	Benzo(k)fluoranthene	4.1	D	0.17	0.5	0.5	ug/L
50-32-8	Benzo(a)pyrene	1.4	D	0.28	0.5	0.5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	3.9	D	0.19	0.5	0.5	ug/L
53-70-3	Dibenzo(a,h)anthracene	3.3	D	0.2	0.5	0.5	ug/L
191-24-2	Benzo(g,h,i)perylene	2	D	0.19	0.5	0.5	ug/L
123-91-1	1,4-Dioxane	0.34	U	0.34	1	1	ug/L

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

Client:				Date Collected:	3/26/2024 12:00:00 AM
Project:				Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	RR-PAH-WPDL			SDG No.:	BN041224
Lab Sample ID:	P1908-21DL			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
BN030867.D	5	3/29/2024 12:00:00 AM	4/12/2024 12:00:00 AM	PB159883

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.365		30-150		91	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.36		30-150		90	SPK: -0.4
367-12-4	2-Fluorophenol	0.3		10-92		75	SPK: -0.4
13127-88-3	Phenol-d6	0.3		10-100		75	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.3		11-175		75	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.39		10-175		97	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.145		24-148		36	SPK: -0.4
1718-51-0	Terphenyl-d14	0.36		54-171		90	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5386	7.675				
1146-65-2	Naphthalene-d8	15645	10.453				
15067-26-2	Acenaphthene-d10	8329	14.305				
1517-22-2	Phenanthrene-d10	19279	17.065				
1719-03-5	Chrysene-d12	17687	21.258				
1520-96-3	Perylene-d12	15450	23.489				

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Report of Analysis

Client:				Date Collected:	3/29/2024 12:00:00 AM
Project:				Date Received:	3/29/2024 12:00:00 AM
Client Sample ID:	PB159883BS			SDG No.:	BN041224
Lab Sample ID:	PB159883BS			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
BN030868.D	1	3/29/2024 12:00:00 AM	4/12/2024 12:00:00 AM	PB159883

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.29		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.32		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.31		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.29		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.29		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.31		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.3		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	4.88		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.3		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.22		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.3		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.3		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.27		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.22		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.32		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.3		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.28		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.34		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.3		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.3		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.32		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.31		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.29		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.3		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.31		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.31		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.3		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.31		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	3/29/2024 12:00:00 AM
Project:				Date Received:	3/29/2024 12:00:00 AM
Client Sample ID:	PB159883BS			SDG No.:	BN041224
Lab Sample ID:	PB159883BS			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
BN030868.D	1	3/29/2024 12:00:00 AM	4/12/2024 12:00:00 AM	PB159883

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.348		30-150		87	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.296		30-150		74	SPK: -0.4
367-12-4	2-Fluorophenol	0.386	*	10-92		97	SPK: -0.4
13127-88-3	Phenol-d6	0.385		10-100		96	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.312		11-175		78	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.335		10-175		84	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.309		24-148		77	SPK: -0.4
1718-51-0	Terphenyl-d14	0.341		54-171		85	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8082	7.675				
1146-65-2	Naphthalene-d8	23618	10.453				
15067-26-2	Acenaphthene-d10	12622	14.305				
1517-22-2	Phenanthrene-d10	27883	17.053				
1719-03-5	Chrysene-d12	24649	21.258				
1520-96-3	Perylene-d12	21190	23.486				

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Report of Analysis

Client:				Date Collected:	3/29/2024 12:00:00 AM
Project:				Date Received:	3/29/2024 12:00:00 AM
Client Sample ID:	PB159882BL			SDG No.:	BN041224
Lab Sample ID:	PB159882BL			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
BN030872.D	1	3/29/2024 12:00:00 AM	4/12/2024 12:00:00 AM	PB159882

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

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Report of Analysis

Client:				Date Collected:	3/29/2024 12:00:00 AM
Project:				Date Received:	3/29/2024 12:00:00 AM
Client Sample ID:	PB159882BL			SDG No.:	BN041224
Lab Sample ID:	PB159882BL			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
BN030872.D	1	3/29/2024 12:00:00 AM	4/12/2024 12:00:00 AM	PB159882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.392		30-150		98	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.383		30-150		96	SPK: -0.4
367-12-4	2-Fluorophenol	0.428	*	10-92		107	SPK: -0.4
13127-88-3	Phenol-d6	0.411	*	10-100		103	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.39		11-175		97	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.456		10-175		114	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.233		24-148		58	SPK: -0.4
1718-51-0	Terphenyl-d14	0.515		54-171		129	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5894	7.675				
1146-65-2	Naphthalene-d8	16726	10.453				
15067-26-2	Acenaphthene-d10	8867	14.306				
1517-22-2	Phenanthrene-d10	19984	17.065				
1719-03-5	Chrysene-d12	15691	21.258				
1520-96-3	Perylene-d12	13366	23.486				

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Report of Analysis

Client:				Date Collected:	3/26/2024 12:00:00 AM
Project:				Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	PT-BN-WP			SDG No.:	BN041224
Lab Sample ID:	P1908-03			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
BN030873.D	1	3/29/2024 12:00:00 AM	4/12/2024 12:00:00 AM	PB159882

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	58.2	E	0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	52.2	E	0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	76.8	E	0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	56.9	E	0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	87.4	E	0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	34.2	E	0.02	0.1	0.1	ug/L
Total PAH	Total PAH	1022.7	E	0.45	0.1	1.6	ug/L
86-73-7	Fluorene	97.5	E	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	55.1	E	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	63.5	E	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	90.9	E	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	95.3	E	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	68.9	E	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	46.4	E	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	150	E	0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	95.6	E	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	33	E	0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	69.2	E	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	120	E	0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	39.5	E	0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	29.1	E	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

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Report of Analysis

Client:				Date Collected:	3/26/2024 12:00:00 AM
Project:				Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	PT-BN-WP			SDG No.:	BN041224
Lab Sample ID:	P1908-03			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
BN030873.D	1	3/29/2024 12:00:00 AM	4/12/2024 12:00:00 AM	PB159882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0	U	30-150		0	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.003	*	30-150		1	SPK: -0.4
367-12-4	2-Fluorophenol	147.705	*	10-92		36926	SPK: -0.4
13127-88-3	Phenol-d6	161.5	*	10-100		40375	SPK: -0.4
4165-60-0	Nitrobenzene-d5	110.758	*	11-175		27689	SPK: -0.4
321-60-8	2-Fluorobiphenyl	80.456	*	10-175		20114	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	168.824	*	24-148		42206	SPK: -0.4
1718-51-0	Terphenyl-d14	75.312	*	54-171		18828	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6128	7.675				
1146-65-2	Naphthalene-d8	18977	10.453				
15067-26-2	Acenaphthene-d10	10016	14.306				
1517-22-2	Phenanthrene-d10	23392	17.065				
1719-03-5	Chrysene-d12	21109	21.258				
1520-96-3	Perylene-d12	18738	23.486				

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Report of Analysis

Client:				Date Collected:	3/26/2024 12:00:00 AM
Project:				Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	PT-BN-WPDL			SDG No.:	BN041224
Lab Sample ID:	P1908-03DL			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
BN030874.D	50	3/29/2024 12:00:00 AM	4/12/2024 12:00:00 AM	PB159882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1.5	U	1.5	10	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	54.6	D	1.4	5	5	ug/L
91-20-3	Naphthalene	53.3	D	1.2	5	5	ug/L
87-68-3	Hexachlorobutadiene	81.6	D	1.3	5	5	ug/L
91-57-6	2-Methylnaphthalene	60.7	D	1.5	5	5	ug/L
208-96-8	Acenaphthylene	74.6	D	1.1	5	5	ug/L
83-32-9	Acenaphthene	31.6	D	1	5	5	ug/L
Total PAH	Total PAH	1199.4	D	23	5	80	ug/L
86-73-7	Fluorene	120	D	0.9	5	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	7	U	7	10	10	ug/L
101-55-3	4-Bromophenyl-phenylether	1.3	U	1.3	5	5	ug/L
118-74-1	Hexachlorobenzene	56.2	D	1.5	5	5	ug/L
1912-24-9	Atrazine	1.2	U	1.2	5	5	ug/L
87-86-5	Pentachlorophenol	4.5	U	4.5	10	10	ug/L
85-01-8	Phenanthrene	73.2	D	1	5	5	ug/L
120-12-7	Anthracene	95.9	D	1.2	5	5	ug/L
206-44-0	Fluoranthene	150	D	1.2	5	5	ug/L
129-00-0	Pyrene	88.6	D	1.1	5	5	ug/L
56-55-3	Benzo(a)anthracene	1.1	U	1.1	5	5	ug/L
218-01-9	Chrysene	53.5	D	1.3	5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	110	D	7	10	10	ug/L
205-99-2	Benzo(b)fluoranthene	140	D	1.6	5	5	ug/L
207-08-9	Benzo(k)fluoranthene	38.2	D	1.7	5	5	ug/L
50-32-8	Benzo(a)pyrene	68.9	D	2.8	5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	140	D	1.9	5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.6	D	2	5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	26	D	1.9	5	5	ug/L
123-91-1	1,4-Dioxane	3.4	U	3.4	10	10	ug/L

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Report of Analysis

Client:				Date Collected:	3/26/2024 12:00:00 AM
Project:				Date Received:	3/26/2024 12:00:00 AM
Client Sample ID:	PT-BN-WPDL			SDG No.:	BN041224
Lab Sample ID:	P1908-03DL			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
BN030874.D	50	3/29/2024 12:00:00 AM	4/12/2024 12:00:00 AM	PB159882

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0	U	30-150		0	SPK: -0.4
93951-69-0	Fluoranthene-d10	0	U	30-150		0	SPK: -0.4
367-12-4	2-Fluorophenol	127.35	*	10-92		31838	SPK: -0.4
13127-88-3	Phenol-d6	132.4	*	10-100		33100	SPK: -0.4
4165-60-0	Nitrobenzene-d5	86.1	*	11-175		21525	SPK: -0.4
321-60-8	2-Fluorobiphenyl	92.3	*	10-175		23075	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	111.45	*	24-148		27863	SPK: -0.4
1718-51-0	Terphenyl-d14	102.75	*	54-171		25688	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6225	7.675				
1146-65-2	Naphthalene-d8	18576	10.453				
15067-26-2	Acenaphthene-d10	10025	14.306				
1517-22-2	Phenanthrene-d10	22103	17.053				
1719-03-5	Chrysene-d12	18841	21.258				
1520-96-3	Perylene-d12	16129	23.486				

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Hit Summary Sheet
SW-846

SDG No.: BN041224

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : PT-BN-WP								
P1908-03	PT-BN-WP	Water	2-Methylnaphthalene	56.900	E	0.03	0.1	ug/L
P1908-03	PT-BN-WP	Water	Acenaphthene	34.200	E	0.02	0.1	ug/L
P1908-03	PT-BN-WP	Water	Acenaphthylene	87.400	E	0.02	0.1	ug/L
P1908-03	PT-BN-WP	Water	Anthracene	90.900	E	0.02	0.1	ug/L
P1908-03	PT-BN-WP	Water	Benzo(a)pyrene	69.200	E	0.06	0.1	ug/L
P1908-03	PT-BN-WP	Water	Benzo(b)fluoranthene	95.600	E	0.03	0.1	ug/L
P1908-03	PT-BN-WP	Water	Benzo(g,h,i)perylene	29.100	E	0.04	0.1	ug/L
P1908-03	PT-BN-WP	Water	Benzo(k)fluoranthene	33.000	E	0.03	0.1	ug/L
P1908-03	PT-BN-WP	Water	bis(2-Chloroethyl)ether	58.200	E	0.03	0.1	ug/L
P1908-03	PT-BN-WP	Water	Bis(2-ethylhexyl)phthalate	150.000	E	0.14	0.2	ug/L
P1908-03	PT-BN-WP	Water	Chrysene	46.400	E	0.03	0.1	ug/L
P1908-03	PT-BN-WP	Water	Dibenzo(a,h)anthracene	39.500	E	0.04	0.1	ug/L
P1908-03	PT-BN-WP	Water	Fluoranthene	95.300	E	0.02	0.1	ug/L
P1908-03	PT-BN-WP	Water	Fluorene	97.500	E	0.02	0.1	ug/L
P1908-03	PT-BN-WP	Water	Hexachlorobenzene	55.100	E	0.03	0.1	ug/L
P1908-03	PT-BN-WP	Water	Hexachlorobutadiene	76.800	E	0.03	0.1	ug/L
P1908-03	PT-BN-WP	Water	Indeno(1,2,3-cd)pyrene	120.000	E	0.04	0.1	ug/L
P1908-03	PT-BN-WP	Water	Naphthalene	52.200	E	0.02	0.1	ug/L
P1908-03	PT-BN-WP	Water	Phenanthrene	63.500	E	0.02	0.1	ug/L
P1908-03	PT-BN-WP	Water	Pyrene	68.900	E	0.02	0.1	ug/L
P1908-03	PT-BN-WP	Water	Total PAH	1,022.000	E	0.45	1.6	ug/L
			Total Svoc :	**2,441.70**				
			Total Concentration:	**2,441.70**				
Client ID : PT-BN-WPDL								
P1908-03DL	PT-BN-WPDL	Water	2-Methylnaphthalene	60.700	D	1.5	5	ug/L
P1908-03DL	PT-BN-WPDL	Water	Acenaphthene	31.600	D	1	5	ug/L
P1908-03DL	PT-BN-WPDL	Water	Acenaphthylene	74.600	D	1.1	5	ug/L
P1908-03DL	PT-BN-WPDL	Water	Anthracene	95.900	D	1.2	5	ug/L
P1908-03DL	PT-BN-WPDL	Water	Benzo(a)pyrene	68.900	D	2.8	5	ug/L
P1908-03DL	PT-BN-WPDL	Water	Benzo(b)fluoranthene	140.000	D	1.6	5	ug/L
P1908-03DL	PT-BN-WPDL	Water	Benzo(g,h,i)perylene	26.000	D	1.9	5	ug/L
P1908-03DL	PT-BN-WPDL	Water	Benzo(k)fluoranthene	38.200	D	1.7	5	ug/L
P1908-03DL	PT-BN-WPDL	Water	bis(2-Chloroethyl)ether	54.600	D	1.4	5	ug/L
P1908-03DL	PT-BN-WPDL	Water	Bis(2-ethylhexyl)phthalate	110.000	D	7	10	ug/L
P1908-03DL	PT-BN-WPDL	Water	Chrysene	53.500	D	1.3	5	ug/L
P1908-03DL	PT-BN-WPDL	Water	Dibenzo(a,h)anthracene	45.600	D	2	5	ug/L
P1908-03DL	PT-BN-WPDL	Water	Fluoranthene	150.000	D	1.2	5	ug/L

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

Hit Summary Sheet
SW-846

SDG No.: BN041224

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
P1908-03DL	PT-BN-WPDL	Water	Fluorene	120.000	D	0.9	5	ug/L
P1908-03DL	PT-BN-WPDL	Water	Hexachlorobenzene	56.200	D	1.5	5	ug/L
P1908-03DL	PT-BN-WPDL	Water	Hexachlorobutadiene	81.600	D	1.3	5	ug/L
P1908-03DL	PT-BN-WPDL	Water	Indeno(1,2,3-cd)pyrene	140.000	D	1.9	5	ug/L
P1908-03DL	PT-BN-WPDL	Water	Naphthalene	53.300	D	1.2	5	ug/L
P1908-03DL	PT-BN-WPDL	Water	Phenanthrene	73.200	D	1	5	ug/L
P1908-03DL	PT-BN-WPDL	Water	Pyrene	88.600	D	1.1	5	ug/L
P1908-03DL	PT-BN-WPDL	Water	Total PAH	1,199.000	D	23	80	ug/L
			Total Svoc :	**2,761.50**				
			Total Concentration:	**2,761.50**				
Client ID :	**RR-PAH-WP**							
P1908-21	RR-PAH-WP	Water	2-Methylnaphthalene	7.000	E	0.03	0.1	ug/L
P1908-21	RR-PAH-WP	Water	Acenaphthene	8.100	E	0.02	0.1	ug/L
P1908-21	RR-PAH-WP	Water	Acenaphthylene	16.500	E	0.02	0.1	ug/L
P1908-21	RR-PAH-WP	Water	Anthracene	0.950		0.02	0.1	ug/L
P1908-21	RR-PAH-WP	Water	Benzo(a)anthracene	1.500		0.02	0.1	ug/L
P1908-21	RR-PAH-WP	Water	Benzo(a)pyrene	1.800		0.06	0.1	ug/L
P1908-21	RR-PAH-WP	Water	Benzo(b)fluoranthene	0.860		0.03	0.1	ug/L
P1908-21	RR-PAH-WP	Water	Benzo(g,h,i)perylene	2.500		0.04	0.1	ug/L
P1908-21	RR-PAH-WP	Water	Benzo(k)fluoranthene	5.000	E	0.03	0.1	ug/L
P1908-21	RR-PAH-WP	Water	Chrysene	0.880		0.03	0.1	ug/L
P1908-21	RR-PAH-WP	Water	Dibenzo(a,h)anthracene	4.200		0.04	0.1	ug/L
P1908-21	RR-PAH-WP	Water	Fluoranthene	1.500		0.02	0.1	ug/L
P1908-21	RR-PAH-WP	Water	Fluorene	3.300		0.02	0.1	ug/L
P1908-21	RR-PAH-WP	Water	Indeno(1,2,3-cd)pyrene	5.000	E	0.04	0.1	ug/L
P1908-21	RR-PAH-WP	Water	Naphthalene	7.700	E	0.02	0.1	ug/L
P1908-21	RR-PAH-WP	Water	Phenanthrene	3.500		0.02	0.1	ug/L
P1908-21	RR-PAH-WP	Water	Pyrene	2.000		0.02	0.1	ug/L
P1908-21	RR-PAH-WP	Water	Total PAH	65.300	E	0.45	1.6	ug/L
			Total Svoc :	**137.59**				
			Total Concentration:	**137.59**				
Client ID :	**RR-PAH-WPDL**							
P1908-21DL	RR-PAH-WPDL	Water	2-Methylnaphthalene	6.000	D	0.15	0.5	ug/L
P1908-21DL	RR-PAH-WPDL	Water	Acenaphthene	6.900	D	0.1	0.5	ug/L
P1908-21DL	RR-PAH-WPDL	Water	Acenaphthylene	12.600	D	0.11	0.5	ug/L
P1908-21DL	RR-PAH-WPDL	Water	Anthracene	0.730	D	0.12	0.5	ug/L
P1908-21DL	RR-PAH-WPDL	Water	Benzo(a)anthracene	1.200	D	0.11	0.5	ug/L
P1908-21DL	RR-PAH-WPDL	Water	Benzo(a)pyrene	1.400	D	0.28	0.5	ug/L
P1908-21DL	RR-PAH-WPDL	Water	Benzo(b)fluoranthene	0.770	D	0.16	0.5	ug/L

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: BN041224

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
P1908-21DL	RR-PAH-WPDL	Water	Benzo(g,h,i)perylene	2.000	D	0.19	0.5	ug/L
P1908-21DL	RR-PAH-WPDL	Water	Benzo(k)fluoranthene	4.100	D	0.17	0.5	ug/L
P1908-21DL	RR-PAH-WPDL	Water	Chrysene	0.800	D	0.13	0.5	ug/L
P1908-21DL	RR-PAH-WPDL	Water	Dibenzo(a,h)anthracene	3.300	D	0.2	0.5	ug/L
P1908-21DL	RR-PAH-WPDL	Water	Fluoranthene	1.200	D	0.12	0.5	ug/L
P1908-21DL	RR-PAH-WPDL	Water	Fluorene	2.700	D	0.09	0.5	ug/L
P1908-21DL	RR-PAH-WPDL	Water	Indeno(1,2,3-cd)pyrene	3.900	D	0.19	0.5	ug/L
P1908-21DL	RR-PAH-WPDL	Water	Naphthalene	6.700	D	0.12	0.5	ug/L
P1908-21DL	RR-PAH-WPDL	Water	Phenanthrene	2.900	D	0.1	0.5	ug/L
P1908-21DL	RR-PAH-WPDL	Water	Pyrene	1.800	D	0.11	0.5	ug/L
P1908-21DL	RR-PAH-WPDL	Water	Total PAH	53.000	D	2.3	8	ug/L
			Total Svoc :	**112.00**				
			Total Concentration:	**112.00**				
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	400.000		30	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	4,6-Dinitro-2-methylphenol	250.000		140	200	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	4-Bromophenyl-phenylether	380.000		26	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Acenaphthene	380.000		20	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Acenaphthylene	380.000		21	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Anthracene	370.000		24	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Atrazine	330.000		23	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Benzo(a)anthracene	370.000		22	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Benzo(a)pyrene	380.000		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	400.000		37	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Benzo(k)fluoranthene	370.000		34	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	bis(2-Chloroethyl)ether	380.000		28	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Bis(2-ethylhexyl)phthalate	380.000		140	200	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Chrysene	390.000		26	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Dibenzo(a,h)anthracene	390.000		39	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Fluoranthene	360.000		23	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Fluorene	390.000		18	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Hexachlorobenzene	380.000		29	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Hexachlorobutadiene	400.000		26	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Indeno(1,2,3-cd)pyrene	390.000		38	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	n-Nitrosodimethylamine	370.000		30	200	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Naphthalene	390.000		24	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Pentachlorophenol	290.000		90	200	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Phenanthrene	380.000		20	100	ug/L

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: BN041224

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDCCC0.4	SSTDCCC0.4	Water	Pyrene	450.000		22	100	ug/L
SSTDCCC0.4	SSTDCCC0.4	Water	Total PAH	6,150.000		456	1600	ug/L
			Total Svoc :	**16,220.00**				
			Total Concentration:	**16,220.00**				
Client ID :	**ICVBN041224**							
SSTDICV0.4	ICVBN041224	Water	1,4-Dioxane	390.000		68	200	ug/L
SSTDICV0.4	ICVBN041224	Water	2-Methylnaphthalene	380.000		30	100	ug/L
SSTDICV0.4	ICVBN041224	Water	4,6-Dinitro-2-methylphenol	300.000		140	200	ug/L
SSTDICV0.4	ICVBN041224	Water	4-Bromophenyl-phenylether	380.000		26	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Acenaphthene	390.000		20	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Acenaphthylene	360.000		21	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Anthracene	360.000		24	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Atrazine	350.000		23	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Benzo(a)anthracene	370.000		22	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Benzo(a)pyrene	380.000		56	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Benzo(b)fluoranthene	380.000		32	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Benzo(g,h,i)perylene	380.000		37	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Benzo(k)fluoranthene	380.000		34	100	ug/L
SSTDICV0.4	ICVBN041224	Water	bis(2-Chloroethyl)ether	370.000		28	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Bis(2-ethylhexyl)phthalate	340.000		140	200	ug/L
SSTDICV0.4	ICVBN041224	Water	Chrysene	390.000		26	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Dibenzo(a,h)anthracene	370.000		39	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Fluoranthene	370.000		23	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Fluorene	380.000		18	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Hexachlorobenzene	400.000		29	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Hexachlorobutadiene	390.000		26	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Indeno(1,2,3-cd)pyrene	380.000		38	100	ug/L
SSTDICV0.4	ICVBN041224	Water	n-Nitrosodimethylamine	380.000		30	200	ug/L
SSTDICV0.4	ICVBN041224	Water	Naphthalene	390.000		24	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Pentachlorophenol	330.000		90	200	ug/L
SSTDICV0.4	ICVBN041224	Water	Phenanthrene	390.000		20	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Pyrene	390.000		22	100	ug/L
SSTDICV0.4	ICVBN041224	Water	Total PAH	6,060.000		456	1600	ug/L
			Total Svoc :	**16,130.00**				
			Total Concentration:	**16,130.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041224 SAS No.: BN041224 SDG No.: BN041224

Instrument ID: Calibration Date(s): 4/12/2024

Calibration Time(s): 11:42

LAB FILE ID: RRF0.1 = BN030857.D RRF0.2 = BN030858.D RRF0.4 = BN030859.D
RRF0.8 = BN030860.D RRF1.6 = BN030861.D RRF3.2 = BN030862.D

COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.597	0.612	0.589	0.594	0.642	0.629	0.613	3.4
Fluoranthene-d10	1.060	1.077	1.059	1.084	1.165	1.165	1.112	4.8
n-Nitrosodimethylamine	0.411	0.469	0.465	0.456	0.496	0.483	0.464	5.8
2-Fluorophenol	0.989	0.985	0.917	0.917	0.977	0.962	0.960	3.2
Phenol-d6	1.139	1.125	1.081	1.101	1.211	1.228	1.162	5.8
bis(2-Chloroethyl)ether	1.042	1.093	1.039	1.066	1.144	1.115	1.085	3.6
Nitrobenzene-d5	0.264	0.276	0.267	0.273	0.303	0.305	0.286	7.0
Naphthalene	1.076	1.124	1.074	1.077	1.157	1.124	1.106	2.9
Hexachlorobutadiene	0.216	0.227	0.219	0.217	0.231	0.220	0.221	2.7
2-Methylnaphthalene	0.702	0.721	0.699	0.700	0.762	0.745	0.724	3.5
2-Fluorobiphenyl	1.419	1.473	1.363	1.389	1.469	1.424	1.418	2.9
Acenaphthylene	1.545	1.634	1.600	1.661	1.876	1.941	1.748	10.2
Acenaphthene	1.167	1.249	1.176	1.194	1.301	1.286	1.235	4.4
Fluorene	1.543	1.613	1.543	1.582	1.718	1.705	1.623	4.5
4,6-Dinitro-2-methylphenol		0.042	0.042	0.047	0.058	0.063	0.050	19.2
2,4,6-Tribromophenol	0.159	0.150	0.143	0.145	0.167	0.179	0.162	11.1
4-Bromophenyl-phenylether	0.224	0.231	0.224	0.227	0.247	0.245	0.235	4.7
Hexachlorobenzene	0.266	0.273	0.263	0.268	0.292	0.280	0.274	3.7
Atrazine	0.174	0.163	0.160	0.163	0.185	0.188	0.175	8.0
Pentachlorophenol		0.072	0.082	0.087	0.105	0.117	0.093	19.6
Phenanthrene	1.119	1.148	1.123	1.138	1.235	1.220	1.171	4.2
Anthracene	0.888	0.900	0.901	0.926	1.049	1.075	0.978	9.8
Fluoranthene	1.403	1.397	1.385	1.407	1.538	1.521	1.449	4.5
Pyrene	1.539	1.502	1.436	1.441	1.574	1.501	1.504	3.4
Terphenyl-d14	0.988	0.919	0.859	0.880	0.938	0.883	0.909	4.8
Benzo(a)anthracene	1.435	1.305	1.313	1.309	1.449	1.439	1.387	5.3
Chrysene	1.584	1.482	1.412	1.443	1.534	1.483	1.486	3.9
Bis(2-ethylhexyl)phthalate		0.642	0.548	0.522	0.582	0.635	0.605	11.0
Benzo(b)fluoranthene	1.875	1.794	1.657	1.700	1.833	1.772	1.771	4.2
Benzo(k)fluoranthene	1.689	1.620	1.570	1.619	1.777	1.712	1.670	4.2
Benzo(a)pyrene	1.322	1.284	1.284	1.301	1.439	1.465	1.364	6.1
Indeno(1,2,3-cd)pyrene	1.426	1.401	1.421	1.529	1.697	1.767	1.564	10.0
Dibenzo(a,h)anthracene	1.116	1.095	1.118	1.224	1.359	1.419	1.243	11.1
Benzo(g,h,i)perylene	1.253	1.237	1.229	1.336	1.442	1.489	1.346	8.1
1,4-Dioxane	0.536	0.522	0.505	0.461	0.473	0.450	0.483	7.8

All other compounds must meet a minimum RRF of 0.010.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN041224 SAS No.: BN041224 SDG NO.: BN041224

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

Lab File ID: BN030859.D Time Analyzed: 09:50

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	6468	7.675	18709	10.45	10592	14.31
	UPPER LIMIT	12936	8.175	37418	10.953	21184	14.806
	LOWER LIMIT	3234	7.175	9354.5	9.953	5296	13.806
	EPA SAMPLE NO.						
01	SSTDCCC0.4	6758	7.68	20446	10.45	12317	14.31
02	ICVBN041224	5963	7.68	17290	10.45	9531	14.31
03	PB159883BL	5719	7.68	16004	10.45	8287	14.31
04	RR-PAH-WP	4980	7.68	14422	10.45	7770	14.31
05	RR-PAH-WPDL	5386	7.68	15645	10.45	8329	14.31
06	PB159883BS	8082	7.68	23618	10.45	12622	14.31
07	PB159882BL	5894	7.68	16726	10.45	8867	14.31
08	PT-BN-WP	6128	7.68	18977	10.45	10016	14.31
09	PT-BN-WPDL	6225	7.68	18576	10.45	10025	14.31

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN041224 SAS No.: BN041224 SDG NO.: BN041224

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

Lab File ID: BN030859.D Time Analyzed: 15:58

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	6468	7.675	18709	10.45	10592	14.31
	UPPER LIMIT	12936	8.175	37418	10.953	21184	14.806
	LOWER LIMIT	3234	7.175	9354.5	9.953	5296	13.806
	EPA SAMPLE NO.						
01	ICVBN041224	5963	7.68	17290	10.45	9531	14.31
02	PB159883BL	5719	7.68	16004	10.45	8287	14.31
03	RR-PAH-WP	4980	7.68	14422	10.45	7770	14.31
04	RR-PAH-WPDL	5386	7.68	15645	10.45	8329	14.31
05	PB159883BS	8082	7.68	23618	10.45	12622	14.31

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN041224 SAS No.: BN041224 SDG NO.: BN041224

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

Lab File ID: BN030871.D Time Analyzed: 22:10

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	6527	7.675	19051	10.45	10333	14.31
	UPPER LIMIT	13054	8.175	38102	10.953	20666	14.806
	LOWER LIMIT	3263.5	7.175	9525.5	9.953	5166.5	13.806
	EPA SAMPLE NO.						
01	PB159882BL	5894	7.68	16726	10.45	8867	14.31
02	PT-BN-WP	6128	7.68	18977	10.45	10016	14.31
03	PT-BN-WPDL	6225	7.68	18576	10.45	10025	14.31

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN041224 SAS No.: BN041224 SDG NO.: BN041224

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

Lab File ID: BN030859.D Time Analyzed: 09:50

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	24192	17.065	23894	21.258	21520	23.495
	UPPER LIMIT	48384	17.565	47788	21.758	43040	23.995
	LOWER LIMIT	12096	16.565	11947	20.758	10760	22.995
	EPA SAMPLE NO.						
01	SSTDCCC0.4	29214	17.07	22237	21.26	18471	23.49
02	ICVBN041224	21447	17.07	20104	21.26	17653	23.49
03	PB159883BL	19299	17.07	16587	21.26	14493	23.49
04	RR-PAH-WP	17833	17.07	17505	21.26	14738	23.49
05	RR-PAH-WPDL	19279	17.07	17687	21.26	15450	23.49
06	PB159883BS	27883	17.05	24649	21.26	21190	23.49
07	PB159882BL	19984	17.07	15691	21.26	13366	23.49
08	PT-BN-WP	23392	17.07	21109	21.26	18738	23.49
09	PT-BN-WPDL	22103	17.05	18841	21.26	16129	23.49

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN041224 SAS No.: BN041224 SDG NO.: BN041224

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

Lab File ID: BN030859.D Time Analyzed: 15:58

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	24192	17.065	23894	21.258	21520	23.495
	UPPER LIMIT	48384	17.565	47788	21.758	43040	23.995
	LOWER LIMIT	12096	16.565	11947	20.758	10760	22.995
	EPA SAMPLE NO.						
01	ICVBN041224	21447	17.07	20104	21.26	17653	23.49
02	PB159883BL	19299	17.07	16587	21.26	14493	23.49
03	RR-PAH-WP	17833	17.07	17505	21.26	14738	23.49
04	RR-PAH-WPDL	19279	17.07	17687	21.26	15450	23.49
05	PB159883BS	27883	17.05	24649	21.26	21190	23.49

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN041224 SAS No.: BN041224 SDG NO.: BN041224

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

Lab File ID: BN030871.D Time Analyzed: 22:10

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	22675	17.053	20472	21.258	18611	23.486
	UPPER LIMIT	45350	17.553	40944	21.758	37222	23.986
	LOWER LIMIT	11337.5	16.553	10236	20.758	9305.5	22.986
	EPA SAMPLE NO.						
01	PB159882BL	19984	17.07	15691	21.26	13366	23.49
02	PT-BN-WP	23392	17.07	21109	21.26	18738	23.49
03	PT-BN-WPDL	22103	17.05	18841	21.26	16129	23.49

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

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

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

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN041224

Client:

Analytical Method: 8270-Modified **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB159883BS	n-Nitrosodimethylamine	0.4	0.29	ug/L	73				33	130	
	bis(2-Chloroethyl)ether	0.4	0.32	ug/L	80				55	118	
	Naphthalene	0.4	0.31	ug/L	78				67	120	
	Hexachlorobutadiene	0.4	0.29	ug/L	73				33	114	
	2-Methylnaphthalene	0.4	0.29	ug/L	73				50	122	
	Acenaphthylene	0.4	0.31	ug/L	78				60	119	
	Acenaphthene	0.4	0.3	ug/L	75				65	119	
	Total PAH	6.4	4.88	ug/L	76				65	119	
	Fluorene	0.4	0.3	ug/L	75				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.22	ug/L	55				20	150	
	4-Bromophenyl-phenylether	0.4	0.3	ug/L	75				20	150	
	Hexachlorobenzene	0.4	0.3	ug/L	75				62	127	
	Atrazine	0.4	0.27	ug/L	68				20	150	
	Pentachlorophenol	0.8	0.22	ug/L	28				10	137	
	Phenanthrene	0.4	0.32	ug/L	80				65	117	
	Anthracene	0.4	0.3	ug/L	75				57	118	
	Fluoranthene	0.4	0.28	ug/L	70				53	126	
	Pyrene	0.4	0.34	ug/L	85				54	124	
	Benzo(a)anthracene	0.4	0.3	ug/L	75				54	130	
	Chrysene	0.4	0.3	ug/L	75				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.32	ug/L	80				40	137	
	Benzo(b)fluoranthene	0.4	0.31	ug/L	78				65	121	
	Benzo(k)fluoranthene	0.4	0.29	ug/L	73				72	119	
	Benzo(a)pyrene	0.4	0.3	ug/L	75				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.31	ug/L	78				70	127	
	Dibenz(a,h)anthracene	0.4	0.31	ug/L	78				65	121	
	Benzo(g,h,i)perylene	0.4	0.3	ug/L	75		*		76	117	
	1,4-Dioxane	0.4	0.31	ug/L	78				60	132	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SSTDCCC0.4

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041224 SAS No.: BN041224 SDG NO.: BN041224

Lab File ID: BN030856.D Lab Sample ID: SSTDCCC0.4

Instrument ID: BNA_N Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 04/12/2024

Level: (low/med) LOW Time Analyzed: 09:50

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	BN030856.D	04/12/2024
ICVBN041224	SSTDICV0.4	BN030864.D	04/12/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159882BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041224 SAS No.: BN041224 SDG NO.: BN041224

Lab File ID: BN030872.D Lab Sample ID: PB159882BL

Instrument ID: BNA_N Date Extracted: 03/29/2024

Matrix: (soil/water) Water Date Analyzed: 04/12/2024

Level: (low/med) LOW Time Analyzed: 22:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PT-BN-WP	P1908-03	BN030873.D	04/12/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159883BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041224 SAS No.: BN041224 SDG NO.: BN041224

Lab File ID: BN030865.D Lab Sample ID: PB159883BL

Instrument ID: BNA_N Date Extracted: 03/29/2024

Matrix: (soil/water) Water Date Analyzed: 04/12/2024

Level: (low/med) LOW Time Analyzed: 16:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RR-PAH-WP	P1908-21	BN030866.D	04/12/2024
PB159883BS	PB159883BS	BN030868.D	04/12/2024

COMMENTS:

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Surrogate Summary

SW-846

SDG No.: BN041224

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDCCC0.4	SSTDCCC0.4	BN030856.D	2-Methylnaphthalene-d10	0.4	395.00	98750	*	30	150
			Fluoranthene-d10	0.4	358.00	89500	*	30	150
			2-Fluorophenol	0.4	356.00	89000	*	10	92
			Phenol-d6	0.4	358.00	89500	*	10	100
			Nitrobenzene-d5	0.4	371.00	92750	*	11	175
			2-Fluorobiphenyl	0.4	379.00	94750	*	10	175
			2,4,6-Tribromophenol	0.4	338.00	84500	*	24	148
			Terphenyl-d14	0.4	441.00	110250	*	54	171
SSTDICV0.4	ICVBN041224	BN030864.D	2-Methylnaphthalene-d10	0.4	380.00	95000	*	30	150
			Fluoranthene-d10	0.4	375.00	93750	*	30	150
			2-Fluorophenol	0.4	369.00	92250	*	10	92
			Phenol-d6	0.4	362.00	90500	*	10	100
			Nitrobenzene-d5	0.4	365.00	91250	*	11	175
			2-Fluorobiphenyl	0.4	394.00	98500	*	10	175
			2,4,6-Tribromophenol	0.4	335.00	83750	*	24	148
			Terphenyl-d14	0.4	387.00	96750	*	54	171

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Surrogate Summary

SW-846

SDG No.: BN041224

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
P1908-03	PT-BN-WP	BN030873.D	2-Methylnaphthalene-d10	0.4	0.00	0	*	30	150
			Fluoranthene-d10	0.4	0.00	1	*	30	150
			2-Fluorophenol	0.4	147.71	36926	*	10	92
			Phenol-d6	0.4	161.50	40375	*	10	100
			Nitrobenzene-d5	0.4	110.76	27689	*	11	175
			2-Fluorobiphenyl	0.4	80.46	20114	*	10	175
			2,4,6-Tribromophenol	0.4	168.82	42206	*	24	148
			Terphenyl-d14	0.4	75.31	18828	*	54	171
P1908-03DL	PT-BN-WPDL	BN030874.D	2-Methylnaphthalene-d10	0.4	0.00	0	*	30	150
			Fluoranthene-d10	0.4	0.00	0	*	30	150
			2-Fluorophenol	0.4	127.35	31838	*	10	92
			Phenol-d6	0.4	132.40	33100	*	10	100
			Nitrobenzene-d5	0.4	86.10	21525	*	11	175
			2-Fluorobiphenyl	0.4	92.30	23075	*	10	175
			2,4,6-Tribromophenol	0.4	111.45	27863	*	24	148
			Terphenyl-d14	0.4	102.75	25688	*	54	171
PB159882BL	PB159882BL	BN030872.D	2-Methylnaphthalene-d10	0.4	0.39	98		30	150
			Fluoranthene-d10	0.4	0.38	96		30	150
			2-Fluorophenol	0.4	0.43	107	*	10	92
			Phenol-d6	0.4	0.41	103	*	10	100
			Nitrobenzene-d5	0.4	0.39	97		11	175
			2-Fluorobiphenyl	0.4	0.46	114		10	175
			2,4,6-Tribromophenol	0.4	0.23	58		24	148
			Terphenyl-d14	0.4	0.52	129		54	171

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Surrogate Summary

SW-846

SDG No.: BN041224

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P1908-21	RR-PAH-WP	BN030866.D	2-Methylnaphthalene-d10	0.4	0.41	103		30	150
			Fluoranthene-d10	0.4	0.42	105		30	150
			2-Fluorophenol	0.4	0.35	88		10	92
			Phenol-d6	0.4	0.37	93		10	100
			Nitrobenzene-d5	0.4	0.37	92		11	175
			2-Fluorobiphenyl	0.4	0.41	103		10	175
			2,4,6-Tribromophenol	0.4	0.17	42		24	148
			Terphenyl-d14	0.4	0.39	97		54	171
P1908-21DL	RR-PAH-WPDL	BN030867.D	2-Methylnaphthalene-d10	0.4	0.37	91		30	150
			Fluoranthene-d10	0.4	0.36	90		30	150
			2-Fluorophenol	0.4	0.30	75		10	92
			Phenol-d6	0.4	0.30	75		10	100
			Nitrobenzene-d5	0.4	0.30	75		11	175
			2-Fluorobiphenyl	0.4	0.39	97		10	175
			2,4,6-Tribromophenol	0.4	0.15	36		24	148
			Terphenyl-d14	0.4	0.36	90		54	171
PB159883BL	PB159883BL	BN030865.D	2-Methylnaphthalene-d10	0.4	0.39	98		30	150
			Fluoranthene-d10	0.4	0.40	100		30	150
			2-Fluorophenol	0.4	0.43	106	*	10	92
			Phenol-d6	0.4	0.41	103	*	10	100
			Nitrobenzene-d5	0.4	0.40	100		11	175
			2-Fluorobiphenyl	0.4	0.46	115		10	175
			2,4,6-Tribromophenol	0.4	0.26	64		24	148
			Terphenyl-d14	0.4	0.50	125		54	171
PB159883BS	PB159883BS	BN030868.D	2-Methylnaphthalene-d10	0.4	0.35	87		30	150
			Fluoranthene-d10	0.4	0.30	74		30	150
			2-Fluorophenol	0.4	0.39	97	*	10	92
			Phenol-d6	0.4	0.39	96		10	100
			Nitrobenzene-d5	0.4	0.31	78		11	175
			2-Fluorobiphenyl	0.4	0.34	84		10	175
			2,4,6-Tribromophenol	0.4	0.31	77		24	148
			Terphenyl-d14	0.4	0.34	85		54	171

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN041224

Lab Code: CHEM SAS No.: BN041224 SDG NO.: BN041224

Lab File ID: BN030855.D DFTPP Injection Date: 04/12/2024

Instrument ID: BNA_N DFTPP Injection Time: 08:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.5
68	Less than 2.0% of mass 69	0.5 (1.3) 1
69	Mass 69 relative abundance	39
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.9
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	7
275	10.0 - 60.0% of mass 198	26.3
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	9.7
442	Greater than 50% of mass 198	65.8
443	15.0 - 24.0% of mass 442	12.6 (19.1) 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	BN030856.D	04/12/2024	09:50
SSTDICC0.1	SSTDICC0.1	BN030857.D	04/12/2024	11:42
SSTDICC0.2	SSTDICC0.2	BN030858.D	04/12/2024	12:19
SSTDICCC0.4	SSTDICCC0.4	BN030859.D	04/12/2024	12:55
SSTDICC0.8	SSTDICC0.8	BN030860.D	04/12/2024	13:32
SSTDICC1.6	SSTDICC1.6	BN030861.D	04/12/2024	14:08
SSTDICC3.2	SSTDICC3.2	BN030862.D	04/12/2024	14:45
SSTDICC5.0	SSTDICC5.0	BN030863.D	04/12/2024	15:22
ICVBN041224	SSTDICV0.4	BN030864.D	04/12/2024	15:58
PB159883BL	PB159883BL	BN030865.D	04/12/2024	16:35
RR-PAH-WP	P1908-21	BN030866.D	04/12/2024	17:11
RR-PAH-WPDL	P1908-21DL	BN030867.D	04/12/2024	17:47
PB159883BS	PB159883BS	BN030868.D	04/12/2024	18:24
SSTDCCC0.4EC	SSTDCCC0.4	BN030869.D	04/12/2024	19:00

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN041224

Lab Code: CHEM SAS No.: BN041224 SDG NO.: BN041224

Lab File ID: BN030870.D DFTPP Injection Date: 04/12/2024

Instrument ID: BNA_N DFTPP Injection Time: 20:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.1
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	37.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.2
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	25.2
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	9.2
442	Greater than 50% of mass 198	65.4
443	15.0 - 24.0% of mass 442	11.2 (17.1) 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	BN030871.D	04/12/2024	20:57
PB159882BL	PB159882BL	BN030872.D	04/12/2024	22:10
PT-BN-WP	P1908-03	BN030873.D	04/12/2024	22:46
PT-BN-WPDL	P1908-03DL	BN030874.D	04/12/2024	23:23
SSTDCCC0.4EC	SSTDCCC0.4	BN030875.D	04/12/2024	23:59