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.: BN051324 SAS No.: BN051324 SDG No.: BN051324

Instrument ID: BNA_N Calibration Date/Time: 5/13/2024 12 10:21

Lab File ID: BN031497.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	0.645	0.563		-12.713	20.0
Fluoranthene-d10	1.110	0.932		-16.036	20.0
n-Nitrosodimethylamine	0.486	0.486		0.0	20.0
2-Fluorophenol	1.136	0.790		-30.458	20.0
Phenol-d6	1.531	1.081		-29.393	20.0
bis(2-Chloroethyl)ether	1.333	1.203		-9.752	20.0
Nitrobenzene-d5	0.287	0.250		-12.892	20.0
Naphthalene	1.112	0.999		-10.162	20.0
Hexachlorobutadiene	0.195	0.174		-10.769	20.0
2-Methylnaphthalene	0.758	0.637		-15.963	20.0
2-Fluorobiphenyl	1.542	1.514		-1.816	20.0
Acenaphthylene	2.013	1.586		-21.212	20.0
Acenaphthene	1.255	1.112		-11.394	20.0
Fluorene	1.642	1.391		-15.286	20.0
4,6-Dinitro-2-methylphenol	0.033	0.026		-21.212	20.0
2,4,6-Tribromophenol	0.152	0.088		-42.105	20.0
4-Bromophenyl-phenylether	0.234	0.198		-15.385	20.0
Hexachlorobenzene	0.236	0.232		-1.695	20.0
Atrazine	0.213	0.114		-46.479	20.0
Pentachlorophenol	0.083	0.052		-37.349	20.0
Phenanthrene	1.119	1.036		-7.417	20.0
Anthracene	1.108	0.840		-24.188	20.0
Fluoranthene	1.360	1.150		-15.441	20.0
Pyrene	1.619	1.452		-10.315	20.0
Terphenyl-d14	0.979	0.785		-19.816	20.0
Benzo(a)anthracene	1.543	1.138		-26.248	20.0
Chrysene	1.469	1.316		-10.415	20.0
Bis(2-ethylhexyl)phthalate	0.903	0.366		-59.468	20.0
Benzo(b)fluoranthene	1.436	1.213		-15.529	20.0
Benzo(k)fluoranthene	1.359	1.412		3.9	20.0
Benzo(a)pyrene	1.248	0.983		-21.234	20.0
Indeno(1,2,3-cd)pyrene	1.594	1.156		-27.478	20.0
Dibenzo(a,h)anthracene	1.264	0.931		-26.345	20.0
Benzo(g,h,i)perylene	1.359	0.974		-28.33	20.0
1,4-Dioxane	0.492	0.468		-4.878	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.: BN051324 SAS No.: BN051324 SDG No.: BN051324

Instrument ID: BNA_N Calibration Date/Time: 5/13/2024 12 17:05

Lab File ID: BN031505.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	0.645	0.555		-13.953	50.0
Fluoranthene-d10	1.110	0.912		-17.838	50.0
n-Nitrosodimethylamine	0.486	0.524		7.819	50.0
2-Fluorophenol	1.136	0.776		-31.69	50.0
Phenol-d6	1.531	1.077		-29.654	50.0
bis(2-Chloroethyl)ether	1.333	1.200		-9.977	50.0
Nitrobenzene-d5	0.287	0.251		-12.544	50.0
Naphthalene	1.112	1.000		-10.072	50.0
Hexachlorobutadiene	0.195	0.174		-10.769	50.0
2-Methylnaphthalene	0.758	0.630		-16.887	50.0
2-Fluorobiphenyl	1.542	1.510		-2.075	50.0
Acenaphthylene	2.013	1.581		-21.461	50.0
Acenaphthene	1.255	1.128		-10.12	50.0
Fluorene	1.642	1.413		-13.946	50.0
4,6-Dinitro-2-methylphenol	0.033	0.034		3.03	50.0
2,4,6-Tribromophenol	0.152	0.089		-41.447	50.0
4-Bromophenyl-phenylether	0.234	0.198		-15.385	50.0
Hexachlorobenzene	0.236	0.231		-2.119	50.0
Atrazine	0.213	0.117		-45.07	50.0
Pentachlorophenol	0.083	0.055		-33.735	50.0
Phenanthrene	1.119	1.030		-7.954	50.0
Anthracene	1.108	0.859		-22.473	50.0
Fluoranthene	1.360	1.130		-16.912	50.0
Pyrene	1.619	1.455		-10.13	50.0
Terphenyl-d14	0.979	0.790		-19.305	50.0
Benzo(a)anthracene	1.543	1.146		-25.729	50.0
Chrysene	1.469	1.325		-9.803	50.0
Bis(2-ethylhexyl)phthalate	0.903	0.414		-54.153	50.0
Benzo(b)fluoranthene	1.436	1.162		-19.081	50.0
Benzo(k)fluoranthene	1.359	1.398		2.87	50.0
Benzo(a)pyrene	1.248	0.947		-24.119	50.0
Indeno(1,2,3-cd)pyrene	1.594	1.249		-21.644	50.0
Dibenzo(a,h)anthracene	1.264	0.998		-21.044	50.0
Benzo(g,h,i)perylene	1.359	0.989		-27.226	50.0
1,4-Dioxane	0.492	0.448		-8.943	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN051324 SAS No.: BN051324 SDG No.: BN051324

Instrument ID: BNA_N Calibration Date/Time: 5/13/2024 12 19:01

Lab File ID: BN031507.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	0.645	0.556		-13.798	20.0
Fluoranthene-d10	1.110	0.905		-18.468	20.0
n-Nitrosodimethylamine	0.486	0.526		8.23	20.0
2-Fluorophenol	1.136	0.764		-32.746	20.0
Phenol-d6	1.531	1.072		-29.98	20.0
bis(2-Chloroethyl)ether	1.333	1.193		-10.503	20.0
Nitrobenzene-d5	0.287	0.260		-9.408	20.0
Naphthalene	1.112	1.006		-9.532	20.0
Hexachlorobutadiene	0.195	0.178		-8.718	20.0
2-Methylnaphthalene	0.758	0.630		-16.887	20.0
2-Fluorobiphenyl	1.542	1.548		0.389	20.0
Acenaphthylene	2.013	1.591		-20.964	20.0
Acenaphthene	1.255	1.130		-9.96	20.0
Fluorene	1.642	1.419		-13.581	20.0
4,6-Dinitro-2-methylphenol	0.033	0.035		6.061	20.0
2,4,6-Tribromophenol	0.152	0.089		-41.447	20.0
4-Bromophenyl-phenylether	0.234	0.200		-14.53	20.0
Hexachlorobenzene	0.236	0.239		1.271	20.0
Atrazine	0.213	0.115		-46.009	20.0
Pentachlorophenol	0.083	0.057		-31.325	20.0
Phenanthrene	1.119	1.034		-7.596	20.0
Anthracene	1.108	0.848		-23.466	20.0
Fluoranthene	1.360	1.137		-16.397	20.0
Pyrene	1.619	1.447		-10.624	20.0
Terphenyl-d14	0.979	0.775		-20.838	20.0
Benzo(a)anthracene	1.543	1.141		-26.053	20.0
Chrysene	1.469	1.336		-9.054	20.0
Bis(2-ethylhexyl)phthalate	0.903	0.412		-54.374	20.0
Benzo(b)fluoranthene	1.436	1.121		-21.936	20.0
Benzo(k)fluoranthene	1.359	1.439		5.887	20.0
Benzo(a)pyrene	1.248	0.947		-24.119	20.0
Indeno(1,2,3-cd)pyrene	1.594	1.259		-21.016	20.0
Dibenzo(a,h)anthracene	1.264	1.000		-20.886	20.0
Benzo(g,h,i)perylene	1.359	0.996		-26.711	20.0
1,4-Dioxane	0.492	0.463		-5.894	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.: BN051324 SAS No.: BN051324 SDG No.: BN051324

Instrument ID: BNA_N Calibration Date/Time: 5/13/2024 12 23:51

Lab File ID: BN031514.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	0.645	0.494		-23.411	50.0
Fluoranthene-d10	1.110	0.820		-26.126	50.0
n-Nitrosodimethylamine	0.486	0.527		8.436	50.0
2-Fluorophenol	1.136	0.734		-35.387	50.0
Phenol-d6	1.531	1.026		-32.985	50.0
bis(2-Chloroethyl)ether	1.333	1.157		-13.203	50.0
Nitrobenzene-d5	0.287	0.248		-13.589	50.0
Naphthalene	1.112	0.979		-11.96	50.0
Hexachlorobutadiene	0.195	0.172		-11.795	50.0
2-Methylnaphthalene	0.758	0.602		-20.58	50.0
2-Fluorobiphenyl	1.542	1.449		-6.031	50.0
Acenaphthylene	2.013	1.520		-24.491	50.0
Acenaphthene	1.255	1.102		-12.191	50.0
Fluorene	1.642	1.365		-16.87	50.0
4,6-Dinitro-2-methylphenol	0.033	0.035		6.061	50.0
2,4,6-Tribromophenol	0.152	0.085		-44.079	50.0
4-Bromophenyl-phenylether	0.234	0.187		-20.085	50.0
Hexachlorobenzene	0.236	0.224		-5.085	50.0
Atrazine	0.213	0.111		-47.887	50.0
Pentachlorophenol	0.083	0.054		-34.94	50.0
Phenanthrene	1.119	1.002		-10.456	50.0
Anthracene	1.108	0.831		-25.0	50.0
Fluoranthene	1.360	1.102		-18.971	50.0
Pyrene	1.619	1.378		-14.886	50.0
Terphenyl-d14	0.979	0.737		-24.719	50.0
Benzo(a)anthracene	1.543	1.112		-27.933	50.0
Chrysene	1.469	1.275		-13.206	50.0
Bis(2-ethylhexyl)phthalate	0.903	0.395		-56.257	50.0
Benzo(b)fluoranthene	1.436	1.180		-17.827	50.0
Benzo(k)fluoranthene	1.359	1.401		3.091	50.0
Benzo(a)pyrene	1.248	0.940		-24.679	50.0
Indeno(1,2,3-cd)pyrene	1.594	1.235		-22.522	50.0
Dibenzo(a,h)anthracene	1.264	0.985		-22.073	50.0
Benzo(g,h,i)perylene	1.359	0.996		-26.711	50.0
1,4-Dioxane	0.492	0.431		-12.398	50.0

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Report of Analysis

Client:				Date Collected:	5/1/2024 12:00:00 AM
Project:				Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	PB160640BL			SDG No.:	BN051324
Lab Sample ID:	PB160640BL			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
BN031498.D	1	5/1/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160640

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:	5/1/2024 12:00:00 AM
Project:				Date Received:	5/1/2024 12:00:00 AM
Client Sample ID:	PB160640BL			SDG No.:	BN051324
Lab Sample ID:	PB160640BL			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
BN031498.D	1	5/1/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160640

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.285		30-150		71	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.273		30-150		68	SPK: -0.4
367-12-4	2-Fluorophenol	0.275		10-92		69	SPK: -0.4
13127-88-3	Phenol-d6	0.272		10-100		68	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.308		11-175		77	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.355		10-175		89	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.197		24-148		49	SPK: -0.4
1718-51-0	Terphenyl-d14	0.285		54-171		71	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	12144	7.704				
1146-65-2	Naphthalene-d8	36887	10.485				
15067-26-2	Acenaphthene-d10	17948	14.338				
1517-22-2	Phenanthrene-d10	39072	17.078				
1719-03-5	Chrysene-d12	29138	21.265				
1520-96-3	Perylene-d12	27209	23.502				

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Report of Analysis

Client:		Date Collected:	5/9/2024 12:00:00 AM
Project:		Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	RMW-01B-83-050924	SDG No.:	BN051324
Lab Sample ID:	P2445-03	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
BN031499.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160858

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	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	0.03	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	0.27		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	5/9/2024 12:00:00 AM
Project:				Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	RMW-01B-83-050924			SDG No.:	BN051324
Lab Sample ID:	P2445-03			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
BN031499.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160858

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.304		30-150		76	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.32		30-150		80	SPK: -0.4
367-12-4	2-Fluorophenol	0.102		10-92		25	SPK: -0.4
13127-88-3	Phenol-d6	0.062		10-100		16	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.348		11-175		87	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.422		10-175		105	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.216		24-148		54	SPK: -0.4
1718-51-0	Terphenyl-d14	0.472		54-171		118	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	10976	7.704				
1146-65-2	Naphthalene-d8	34340	10.485				
15067-26-2	Acenaphthene-d10	17837	14.338				
1517-22-2	Phenanthrene-d10	39050	17.078				
1719-03-5	Chrysene-d12	29676	21.265				
1520-96-3	Perylene-d12	27373	23.502				

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Report of Analysis

Client:				Date Collected:	5/9/2024 12:00:00 AM
Project:				Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	RMW-01B-83-050924MS			SDG No.:	BN051324
Lab Sample ID:	P2445-04MS			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	970	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN031500.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160858

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.2	J	0.03	0.21	0.21	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.33		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.33		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.3		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.31		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.32		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.33		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.04		0.46	0.1	1.6	ug/L
86-73-7	Fluorene	0.33		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.4		0.14	0.21	0.21	ug/L
101-55-3	4-Bromophenyl-phenylether	0.33		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.35		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.21		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.64		0.09	0.21	0.21	ug/L
85-01-8	Phenanthrene	0.37		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.32		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.33		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.35		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.32		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.37		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.15	J	0.14	0.21	0.21	ug/L
205-99-2	Benzo(b)fluoranthene	0.32		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.38		0.04	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	0.22		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.23		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.22		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.59		0.07	0.21	0.21	ug/L

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Report of Analysis

Client:				Date Collected:	5/9/2024 12:00:00 AM
Project:				Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	RMW-01B-83-050924MS			SDG No.:	BN051324
Lab Sample ID:	P2445-04MS			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	970	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN031500.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160858

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.372		30-150		93	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.301		30-150		75	SPK: -0.4
367-12-4	2-Fluorophenol	0.129		10-92		32	SPK: -0.4
13127-88-3	Phenol-d6	0.087		10-100		22	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.331		11-175		83	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.429		10-175		107	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.233		24-148		58	SPK: -0.4
1718-51-0	Terphenyl-d14	0.364		54-171		91	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	10366	7.704				
1146-65-2	Naphthalene-d8	32326	10.485				
15067-26-2	Acenaphthene-d10	16804	14.338				
1517-22-2	Phenanthrene-d10	36979	17.078				
1719-03-5	Chrysene-d12	30159	21.265				
1520-96-3	Perylene-d12	29580	23.501				

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Report of Analysis

Client:				Date Collected:	5/9/2024 12:00:00 AM
Project:				Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	RMW-01B-83-050924MSD			SDG No.:	BN051324
Lab Sample ID:	P2445-05MSD			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	990	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
BN031501.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160858

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.19	J	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.33		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.32		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	0.3		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.32		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.33		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	4.98		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.33		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.39		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.31		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.35		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.2		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.62		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.37		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.31		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.33		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.33		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.31		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.35		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.15	J	0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.31		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.38		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.29		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.23		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.24		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.23		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.58		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	5/9/2024 12:00:00 AM
Project:				Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	RMW-01B-83-050924MSD			SDG No.:	BN051324
Lab Sample ID:	P2445-05MSD			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	990	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
BN031501.D	1	5/10/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160858

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30-150		90	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.302		30-150		75	SPK: -0.4
367-12-4	2-Fluorophenol	0.131		10-92		33	SPK: -0.4
13127-88-3	Phenol-d6	0.086		10-100		22	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.33		11-175		83	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.437		10-175		109	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.237		24-148		59	SPK: -0.4
1718-51-0	Terphenyl-d14	0.355		54-171		89	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9907	7.704				
1146-65-2	Naphthalene-d8	30891	10.485				
15067-26-2	Acenaphthene-d10	15777	14.338				
1517-22-2	Phenanthrene-d10	35406	17.078				
1719-03-5	Chrysene-d12	29547	21.265				
1520-96-3	Perylene-d12	29158	23.499				

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Report of Analysis

Client:				Date Collected:	4/26/2024 12:00:00 AM
Project:				Date Received:	4/26/2024 12:00:00 AM
Client Sample ID:	TEST-3-T0RE			SDG No.:	BN051324
Lab Sample ID:	P2316-01RE			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	990	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
BN031502.D	1	5/1/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160640

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	0.18	J	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	0.73		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	4/26/2024 12:00:00 AM
Project:				Date Received:	4/26/2024 12:00:00 AM
Client Sample ID:	TEST-3-T0RE			SDG No.:	BN051324
Lab Sample ID:	P2316-01RE			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	990	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
BN031502.D	1	5/1/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160640

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.004	*	30-150		1	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.142		30-150		36	SPK: -0.4
367-12-4	2-Fluorophenol	0.022	*	10-92		5	SPK: -0.4
13127-88-3	Phenol-d6	0.001	*	10-100		0	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.266		11-175		67	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.31		10-175		77	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.17		24-148		43	SPK: -0.4
1718-51-0	Terphenyl-d14	0.366		54-171		91	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	11682	7.704				
1146-65-2	Naphthalene-d8	36802	10.485				
15067-26-2	Acenaphthene-d10	19084	14.338				
1517-22-2	Phenanthrene-d10	45255	17.078				
1719-03-5	Chrysene-d12	36867	21.265				
1520-96-3	Perylene-d12	32148	23.499				

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Report of Analysis

Client:				Date Collected:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160875BS			SDG No.:	BN051324
Lab Sample ID:	PB160875BS			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
BN031503.D	1	5/13/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160875

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	0.36		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.36		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.36		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.33		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.32		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.36		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.4		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.34		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.41		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.34		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.39		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.22		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.27		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.37		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.31		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.34		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.35		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	0.36		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.17	J	0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.33		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.41		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.3		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.32		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.32		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.31		0.04	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.37		0.07	0.2	0.2	ug/L

CHEMTECH
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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:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160875BS			SDG No.:	BN051324
Lab Sample ID:	PB160875BS			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
BN031503.D	1	5/13/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160875

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.347		30-150		87	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.334		30-150		83	SPK: -0.4
367-12-4	2-Fluorophenol	0.28		10-92		70	SPK: -0.4
13127-88-3	Phenol-d6	0.284		10-100		71	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.354		11-175		88	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.393		10-175		98	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.249		24-148		62	SPK: -0.4
1718-51-0	Terphenyl-d14	0.312		54-171		78	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9732	7.704				
1146-65-2	Naphthalene-d8	30404	10.485				
15067-26-2	Acenaphthene-d10	15774	14.338				
1517-22-2	Phenanthrene-d10	34601	17.078				
1719-03-5	Chrysene-d12	27858	21.265				
1520-96-3	Perylene-d12	27955	23.499				

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Report of Analysis

Client:				Date Collected:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160875BSD			SDG No.:	BN051324
Lab Sample ID:	PB160875BSD			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
BN031504.D	1	5/13/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160875

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.41		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.36		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.36		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.36		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.33		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.32		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.36		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.39		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.35		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.42		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.34		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.39		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.22		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.26		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.37		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	0.33		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.35		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	0.36		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.18	J	0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.33		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.41		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.31		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.32		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.32		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	0.37		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160875BSD			SDG No.:	BN051324
Lab Sample ID:	PB160875BSD			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
BN031504.D	1	5/13/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160875

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.346		30-150		86	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.329		30-150		82	SPK: -0.4
367-12-4	2-Fluorophenol	0.276		10-92		69	SPK: -0.4
13127-88-3	Phenol-d6	0.285		10-100		71	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.354		11-175		88	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.396		10-175		99	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.239		24-148		60	SPK: -0.4
1718-51-0	Terphenyl-d14	0.316		54-171		79	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	10697	7.704				
1146-65-2	Naphthalene-d8	33319	10.485				
15067-26-2	Acenaphthene-d10	17072	14.338				
1517-22-2	Phenanthrene-d10	37562	17.078				
1719-03-5	Chrysene-d12	29544	21.265				
1520-96-3	Perylene-d12	29695	23.502				

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Report of Analysis

Client:				Date Collected:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160875BL			SDG No.:	BN051324
Lab Sample ID:	PB160875BL			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
BN031508.D	1	5/13/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160875

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:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160875BL			SDG No.:	BN051324
Lab Sample ID:	PB160875BL			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
BN031508.D	1	5/13/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160875

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.269		30-150		67	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.262		30-150		65	SPK: -0.4
367-12-4	2-Fluorophenol	0.255		10-92		64	SPK: -0.4
13127-88-3	Phenol-d6	0.255		10-100		64	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.315		11-175		79	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.361		10-175		90	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.148		24-148		37	SPK: -0.4
1718-51-0	Terphenyl-d14	0.316		54-171		79	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9703	7.704				
1146-65-2	Naphthalene-d8	29122	10.485				
15067-26-2	Acenaphthene-d10	14335	14.338				
1517-22-2	Phenanthrene-d10	32014	17.078				
1719-03-5	Chrysene-d12	22046	21.265				
1520-96-3	Perylene-d12	19974	23.501				

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Report of Analysis

Client:				Date Collected:	5/9/2024 12:00:00 AM
Project:				Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	SP-100-20240509			SDG No.:	BN051324
Lab Sample ID:	P2451-01			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
BN031509.D	1	5/13/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160875

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	3.6		0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	5/9/2024 12:00:00 AM
Project:				Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	SP-100-20240509			SDG No.:	BN051324
Lab Sample ID:	P2451-01			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
BN031509.D	1	5/13/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160875

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.246		30-150		62	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.286		30-150		72	SPK: -0.4
367-12-4	2-Fluorophenol	0.084		10-92		21	SPK: -0.4
13127-88-3	Phenol-d6	0.05		10-100		13	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.299		11-175		75	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.384		10-175		96	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.188		24-148		47	SPK: -0.4
1718-51-0	Terphenyl-d14	0.364		54-171		91	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	11445	7.704				
1146-65-2	Naphthalene-d8	34756	10.485				
15067-26-2	Acenaphthene-d10	17442	14.338				
1517-22-2	Phenanthrene-d10	39223	17.078				
1719-03-5	Chrysene-d12	27611	21.265				
1520-96-3	Perylene-d12	23607	23.499				

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Report of Analysis

Client:				Date Collected:	5/9/2024 12:00:00 AM
Project:				Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	SP-201-20240509			SDG No.:	BN051324
Lab Sample ID:	P2451-02			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
BN031510.D	1	5/13/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160875

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

CHEMTECH
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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:	5/9/2024 12:00:00 AM
Project:				Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	SP-201-20240509			SDG No.:	BN051324
Lab Sample ID:	P2451-02			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
BN031510.D	1	5/13/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160875

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.271		30-150		68	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.304		30-150		76	SPK: -0.4
367-12-4	2-Fluorophenol	0.083		10-92		21	SPK: -0.4
13127-88-3	Phenol-d6	0.05		10-100		13	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.322		11-175		81	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.381		10-175		95	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.2		24-148		50	SPK: -0.4
1718-51-0	Terphenyl-d14	0.391		54-171		98	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8427	7.704				
1146-65-2	Naphthalene-d8	25290	10.485				
15067-26-2	Acenaphthene-d10	12724	14.338				
1517-22-2	Phenanthrene-d10	28422	17.078				
1719-03-5	Chrysene-d12	20692	21.265				
1520-96-3	Perylene-d12	18307	23.499				

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Report of Analysis

Client:				Date Collected:	5/9/2024 12:00:00 AM
Project:				Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	SP-303-20240509			SDG No.:	BN051324
Lab Sample ID:	P2451-03			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
BN031511.D	1	5/13/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160875

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

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Report of Analysis

Client:				Date Collected:	5/9/2024 12:00:00 AM
Project:				Date Received:	5/9/2024 12:00:00 AM
Client Sample ID:	SP-303-20240509			SDG No.:	BN051324
Lab Sample ID:	P2451-03			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
BN031511.D	1	5/13/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160875

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.263		30-150		66	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.282		30-150		70	SPK: -0.4
367-12-4	2-Fluorophenol	0.055		10-92		14	SPK: -0.4
13127-88-3	Phenol-d6	0.04		10-100		10	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.317		11-175		79	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.368		10-175		92	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.051	*	24-148		13	SPK: -0.4
1718-51-0	Terphenyl-d14	0.367		54-171		92	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	8863	7.704				
1146-65-2	Naphthalene-d8	26565	10.485				
15067-26-2	Acenaphthene-d10	13212	14.338				
1517-22-2	Phenanthrene-d10	30006	17.078				
1719-03-5	Chrysene-d12	21044	21.265				
1520-96-3	Perylene-d12	19101	23.499				

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Report of Analysis

Client:				Date Collected:	5/10/2024 12:00:00 AM
Project:				Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	RMW-03B-90-051024			SDG No.:	BN051324
Lab Sample ID:	P2455-01			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	990	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
BN031512.D	1	5/13/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160875

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	8.8	E	0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	5/10/2024 12:00:00 AM
Project:				Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	RMW-03B-90-051024			SDG No.:	BN051324
Lab Sample ID:	P2455-01			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	990	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
BN031512.D	1	5/13/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160875

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.228		30-150		57	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.282		30-150		70	SPK: -0.4
367-12-4	2-Fluorophenol	0.099		10-92		25	SPK: -0.4
13127-88-3	Phenol-d6	0.064		10-100		16	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.29		11-175		72	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.33		10-175		83	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.195		24-148		49	SPK: -0.4
1718-51-0	Terphenyl-d14	0.356		54-171		89	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	11894	7.704				
1146-65-2	Naphthalene-d8	37227	10.485				
15067-26-2	Acenaphthene-d10	18036	14.338				
1517-22-2	Phenanthrene-d10	40614	17.078				
1719-03-5	Chrysene-d12	28593	21.265				
1520-96-3	Perylene-d12	23048	23.499				

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Report of Analysis

Client:				Date Collected:	5/10/2024 12:00:00 AM
Project:				Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	RMW-02B-66-051024			SDG No.:	BN051324
Lab Sample ID:	P2455-02			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
BN031513.D	1	5/13/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160875

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	10.3	E	0.07	0.2	0.2	ug/L

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Report of Analysis

Client:				Date Collected:	5/10/2024 12:00:00 AM
Project:				Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	RMW-02B-66-051024			SDG No.:	BN051324
Lab Sample ID:	P2455-02			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
BN031513.D	1	5/13/2024 12:00:00 AM	5/13/2024 12:00:00 AM	PB160875

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.226		30-150		56	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.289		30-150		72	SPK: -0.4
367-12-4	2-Fluorophenol	0.095		10-92		24	SPK: -0.4
13127-88-3	Phenol-d6	0.057		10-100		14	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.273		11-175		68	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.311		10-175		78	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.188		24-148		47	SPK: -0.4
1718-51-0	Terphenyl-d14	0.346		54-171		86	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	10330	7.704				
1146-65-2	Naphthalene-d8	32028	10.485				
15067-26-2	Acenaphthene-d10	15593	14.338				
1517-22-2	Phenanthrene-d10	36308	17.078				
1719-03-5	Chrysene-d12	26587	21.265				
1520-96-3	Perylene-d12	22827	23.499				

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Hit Summary Sheet
SW-846

SDG No.: BN051324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : TEST-3-T0RE								
P2316-01RE	TEST-3-T0RE	Water	1,4-Dioxane	0.730		0.07	0.2	ug/L
P2316-01RE	TEST-3-T0RE	Water	Bis(2-ethylhexyl)phthalate	0.180	J	0.14	0.2	ug/L
			Total Svoc :	**0.91**				
			Total Concentration:	**0.91**				
Client ID : RMW-01B-83-050924								
P2445-03	RMW-01B-83-050924	Water	1,4-Dioxane	0.270		0.07	0.2	ug/L
P2445-03	RMW-01B-83-050924	Water	Benzo(b)fluoranthene	0.030	J	0.03	0.1	ug/L
P2445-03	RMW-01B-83-050924	Water	Benzo(k)fluoranthene	0.030	J	0.03	0.1	ug/L
P2445-03	RMW-01B-83-050924	Water	Chrysene	0.030	J	0.03	0.1	ug/L
			Total Svoc :	**0.36**				
			Total Concentration:	**0.36**				
Client ID : SP-100-20240509								
P2451-01	SP-100-20240509	Water	1,4-Dioxane	3.600		0.07	0.2	ug/L
			Total Svoc :	**3.60**				
			Total Concentration:	**3.60**				
Client ID : RMW-03B-90-051024								
P2455-01	RMW-03B-90-051024	Water	1,4-Dioxane	8.800	E	0.07	0.2	ug/L
			Total Svoc :	**8.80**				
			Total Concentration:	**8.80**				
Client ID : RMW-02B-66-051024								
P2455-02	RMW-02B-66-051024	Water	1,4-Dioxane	10.300	E	0.07	0.2	ug/L
			Total Svoc :	**10.30**				
			Total Concentration:	**10.30**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN050924 SAS No.: BN050924 SDG No.: BN050924

Instrument ID: Calibration Date(s): 5/9/2024 1:

Calibration Time(s): 16:39

LAB FILE ID: RRF0.1 = BN031446.D RRF0.2 = BN031447.D RRF0.4 = BN031448.D
RRF0.8 = BN031449.D RRF1.6 = BN031450.D RRF3.2 = BN031451.D

COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.632	0.658	0.628	0.637	0.676	0.648	0.645	2.7
Fluoranthene-d10	1.095	1.119	1.075	1.102	1.152	1.135	1.110	2.4
n-Nitrosodimethylamine	0.503	0.499	0.453	0.459	0.512	0.493	0.486	4.6
2-Fluorophenol	1.153	1.181	1.120	1.102	1.178	1.129	1.136	3.2
Phenol-d6	1.513	1.585	1.493	1.492	1.603	1.537	1.531	3.0
bis(2-Chloroethyl)ether	1.342	1.343	1.298	1.314	1.407	1.334	1.333	2.8
Nitrobenzene-d5	0.282	0.298	0.272	0.274	0.296	0.293	0.287	3.8
Naphthalene	1.116	1.130	1.074	1.086	1.159	1.118	1.112	2.6
Hexachlorobutadiene	0.200	0.199	0.190	0.190	0.201	0.194	0.195	2.8
2-Methylnaphthalene	0.763	0.781	0.738	0.748	0.790	0.757	0.758	2.9
2-Fluorobiphenyl	1.519	1.570	1.486	1.521	1.619	1.554	1.542	2.8
Acenaphthylene	1.976	2.053	1.936	1.956	2.104	2.048	2.013	3.0
Acenaphthene	1.204	1.264	1.202	1.231	1.325	1.280	1.255	3.6
Fluorene	1.582	1.680	1.570	1.617	1.737	1.671	1.642	3.6
4,6-Dinitro-2-methylphenol	0.026	0.029	0.028	0.030	0.035	0.039	0.033	18.8
2,4,6-Tribromophenol	0.151	0.150	0.142	0.144	0.160	0.157	0.152	4.8
4-Bromophenyl-phenylether	0.237	0.237	0.226	0.228	0.246	0.236	0.234	2.8
Hexachlorobenzene	0.236	0.237	0.227	0.228	0.246	0.243	0.236	3.0
Atrazine	0.214	0.217	0.203	0.207	0.223	0.217	0.213	3.4
Pentachlorophenol	0.065	0.069	0.075	0.080	0.094	0.099	0.083	18.0
Phenanthrene	1.118	1.126	1.091	1.093	1.167	1.139	1.119	2.4
Anthracene	1.112	1.126	1.060	1.075	1.156	1.130	1.108	3.0
Fluoranthene	1.404	1.383	1.325	1.335	1.412	1.366	1.360	3.2
Pyrene	1.636	1.594	1.566	1.612	1.694	1.629	1.619	2.5
Terphenyl-d14	1.059	0.972	0.935	0.976	1.009	0.963	0.979	4.4
Benzo(a)anthracene	1.555	1.499	1.492	1.511	1.629	1.572	1.543	3.1
Chrysene	1.481	1.437	1.421	1.446	1.536	1.500	1.469	2.7
Bis(2-ethylhexyl)phthalate	1.011	0.868	0.857	0.819	0.907	0.919	0.903	7.0
Benzo(b)fluoranthene	1.445	1.422	1.352	1.392	1.509	1.474	1.436	3.6
Benzo(k)fluoranthene	1.376	1.338	1.291	1.351	1.439	1.371	1.359	3.3
Benzo(a)pyrene	1.262	1.224	1.177	1.219	1.311	1.279	1.248	3.6
Indeno(1,2,3-cd)pyrene	1.607	1.567	1.535	1.565	1.662	1.623	1.594	2.7
Dibenzo(a,h)anthracene	1.273	1.252	1.228	1.249	1.316	1.277	1.264	2.3
Benzo(g,h,i)perylene	1.373	1.339	1.314	1.333	1.414	1.382	1.359	2.5
1,4-Dioxane	0.517	0.538	0.461	0.466	0.506	0.488	0.492	5.9

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.: BN051324 SAS No.: BN051324 SDG NO.: BN051324

EPA Sample No.: SSTDICCC0.4 Date Analyzed: May 13 2024 12:00AM

Lab File ID: BN031448.D Time Analyzed: 11:37

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	12095	7.718	39441	10.50	24276	14.35
	UPPER LIMIT	24190	8.218	78882	10.996	48552	14.849
	LOWER LIMIT	6047.5	7.218	19720.5	9.996	12138	13.849
	EPA SAMPLE NO.						
01	PB160640BL	12144	7.70	36887	10.49	17948	14.34
02	RMW-01B-83-050924	10976	7.70	34340	10.49	17837	14.34
03	RMW-01B-83-050924MS	10366	7.70	32326	10.49	16804	14.34
04	RMW-01B-83-050924MSD	9907	7.70	30891	10.49	15777	14.34
05	TEST-3-T0RE	11682	7.70	36802	10.49	19084	14.34
06	PB160875BS	9732	7.70	30404	10.49	15774	14.34
07	PB160875BSD	10697	7.70	33319	10.49	17072	14.34
08	PB160875BL	9703	7.70	29122	10.49	14335	14.34
09	SP-100-20240509	11445	7.70	34756	10.49	17442	14.34
10	SP-201-20240509	8427	7.70	25290	10.49	12724	14.34
11	SP-303-20240509	8863	7.70	26565	10.49	13212	14.34
12	RMW-03B-90-051024	11894	7.70	37227	10.49	18036	14.34
13	RMW-02B-66-051024	10330	7.70	32028	10.49	15593	14.34

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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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN051324 SAS No.: BN051324 SDG NO.: BN051324

EPA Sample No.: SSTDCCC0.4 Date Analyzed: May 13 2024 12:00AM

Lab File ID: BN031497.D Time Analyzed: 11:37

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	11560	7.704	36546	10.49	19426	14.34
	UPPER LIMIT	23120	8.204	73092	10.985	38852	14.838
	LOWER LIMIT	5780	7.204	18273	9.985	9713	13.838
	EPA SAMPLE NO.						
01	PB160640BL	12144	7.70	36887	10.49	17948	14.34
02	RMW-01B-83-050924	10976	7.70	34340	10.49	17837	14.34
03	RMW-01B-83-050924MS	10366	7.70	32326	10.49	16804	14.34
04	RMW-01B-83-050924MSD	9907	7.70	30891	10.49	15777	14.34
05	TEST-3-T0RE	11682	7.70	36802	10.49	19084	14.34
06	PB160875BS	9732	7.70	30404	10.49	15774	14.34
07	PB160875BSD	10697	7.70	33319	10.49	17072	14.34

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

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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN051324 SAS No.: BN051324 SDG NO.: BN051324

EPA Sample No.: SSTDCCC0.4 Date Analyzed: May 13 2024 12:00AM

Lab File ID: BN031507.D Time Analyzed: 20:14

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	10244	7.704	31415	10.49	16092	14.34
	UPPER LIMIT	20488	8.204	62830	10.985	32184	14.838
	LOWER LIMIT	5122	7.204	15707.5	9.985	8046	13.838
	EPA SAMPLE NO.						
01	PB160875BL	9703	7.70	29122	10.49	14335	14.34
02	SP-100-20240509	11445	7.70	34756	10.49	17442	14.34
03	SP-201-20240509	8427	7.70	25290	10.49	12724	14.34
04	SP-303-20240509	8863	7.70	26565	10.49	13212	14.34
05	RMW-03B-90-051024	11894	7.70	37227	10.49	18036	14.34
06	RMW-02B-66-051024	10330	7.70	32028	10.49	15593	14.34

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN051324 SAS No.: BN051324 SDG NO.: BN051324

EPA Sample No.: SSTDICCC0.4 Date Analyzed: May 13 2024 12:00AM

Lab File ID: BN031448.D Time Analyzed: 11:37

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	54382	17.091	48026		21.274	55976		23.519
	UPPER LIMIT	108764	17.591	96052		21.774	111952		24.019
	LOWER LIMIT	27191	16.591	24013		20.774	27988		23.019
	EPA SAMPLE NO.								
01	PB160640BL	39072	17.08	29138		21.27	27209	*	23.50
02	RMW-01B-83-050924	39050	17.08	29676		21.27	27373	*	23.50
03	RMW-01B-83-050924MS	36979	17.08	30159		21.27	29580		23.50
04	RMW-01B-83-050924MSD	35406	17.08	29547		21.27	29158		23.50
05	TEST-3-T0RE	45255	17.08	36867		21.27	32148		23.50
06	PB160875BS	34601	17.08	27858		21.27	27955	*	23.50
07	PB160875BSD	37562	17.08	29544		21.27	29695		23.50
08	PB160875BL	32014	17.08	22046	*	21.27	19974	*	23.50
09	SP-100-20240509	39223	17.08	27611		21.27	23607	*	23.50
10	SP-201-20240509	28422	17.08	20692	*	21.27	18307	*	23.50
11	SP-303-20240509	30006	17.08	21044	*	21.27	19101	*	23.50
12	RMW-03B-90-051024	40614	17.08	28593		21.27	23048	*	23.50
13	RMW-02B-66-051024	36308	17.08	26587		21.27	22827	*	23.50

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.
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Fax : 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN051324 SAS No.: BN051324 SDG NO.: BN051324

EPA Sample No.: SSTDCCC0.4 Date Analyzed: May 13 2024 12:00AM

Lab File ID: BN031497.D Time Analyzed: 11:37

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	42787	17.078	33837	21.265	31593	23.502
	UPPER LIMIT	85574	17.578	67674	21.765	63186	24.002
	LOWER LIMIT	21393.5	16.578	16918.5	20.765	15796.5	23.002
	EPA SAMPLE NO.						
01	PB160640BL	39072	17.08	29138	21.27	27209	23.50
02	RMW-01B-83-050924	39050	17.08	29676	21.27	27373	23.50
03	RMW-01B-83-050924MS	36979	17.08	30159	21.27	29580	23.50
04	RMW-01B-83-050924MSD	35406	17.08	29547	21.27	29158	23.50
05	TEST-3-T0RE	45255	17.08	36867	21.27	32148	23.50
06	PB160875BS	34601	17.08	27858	21.27	27955	23.50
07	PB160875BSD	37562	17.08	29544	21.27	29695	23.50

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

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Fax : 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN051324 SAS No.: BN051324 SDG NO.: BN051324

EPA Sample No.: SSTDCCC0.4 Date Analyzed: May 13 2024 12:00AM

Lab File ID: BN031507.D Time Analyzed: 20:14

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	35010	17.078	27120	21.265	27718	23.502
	UPPER LIMIT	70020	17.578	54240	21.765	55436	24.002
	LOWER LIMIT	17505	16.578	13560	20.765	13859	23.002
	EPA SAMPLE NO.						
01	PB160875BL	32014	17.08	22046	21.27	19974	23.50
02	SP-100-20240509	39223	17.08	27611	21.27	23607	23.50
03	SP-201-20240509	28422	17.08	20692	21.27	18307	23.50
04	SP-303-20240509	30006	17.08	21044	21.27	19101	23.50
05	RMW-03B-90-051024	40614	17.08	28593	21.27	23048	23.50
06	RMW-02B-66-051024	36308	17.08	26587	21.27	22827	23.50

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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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN051324

Client:

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB160875BS	n-Nitrosodimethylamine	0.4	0.42	ug/L	105				33	130	
	bis(2-Chloroethyl)ether	0.4	0.36	ug/L	90				55	118	
	Naphthalene	0.4	0.36	ug/L	90				67	120	
	Hexachlorobutadiene	0.4	0.36	ug/L	90				33	114	
	2-Methylnaphthalene	0.4	0.33	ug/L	83				50	122	
	Acenaphthylene	0.4	0.32	ug/L	80				60	119	
	Acenaphthene	0.4	0.36	ug/L	90				65	119	
	Total PAH	6.4	5.4	ug/L	84				65	119	
	Fluorene	0.4	0.34	ug/L	85				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.41	ug/L	103				20	150	
	4-Bromophenyl-phenylether	0.4	0.34	ug/L	85				20	150	
	Hexachlorobenzene	0.4	0.39	ug/L	98				62	127	
	Atrazine	0.4	0.22	ug/L	55				20	150	
	Pentachlorophenol	0.8	0.27	ug/L	34				10	137	
	Phenanthrene	0.4	0.37	ug/L	93				65	117	
	Anthracene	0.4	0.31	ug/L	78				57	118	
	Fluoranthene	0.4	0.34	ug/L	85				53	126	
	Pyrene	0.4	0.35	ug/L	88				54	124	
	Benzo(a)anthracene	0.4	0.3	ug/L	75				54	130	
	Chrysene	0.4	0.36	ug/L	90				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.17	ug/L	43				40	137	
	Benzo(b)fluoranthene	0.4	0.33	ug/L	83				65	121	
	Benzo(k)fluoranthene	0.4	0.41	ug/L	103				72	119	
	Benzo(a)pyrene	0.4	0.3	ug/L	75				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.32	ug/L	80				70	127	
	Dibenz(a,h)anthracene	0.4	0.32	ug/L	80				65	121	
	Benzo(g,h,i)perylene	0.4	0.31	ug/L	78				76	117	
	1,4-Dioxane	0.4	0.37	ug/L	93				60	132	
PB160875BSD	n-Nitrosodimethylamine	0.4	0.41	ug/L	103	2			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.36	ug/L	90	0			55	118	20
	Naphthalene	0.4	0.36	ug/L	90	0			67	120	20
	Hexachlorobutadiene	0.4	0.36	ug/L	90	0			33	114	20
	2-Methylnaphthalene	0.4	0.33	ug/L	83	0			50	122	20
	Acenaphthylene	0.4	0.32	ug/L	80	0			60	119	20
	Acenaphthene	0.4	0.36	ug/L	90	0			65	119	20
	Total PAH	6.4	5.39	ug/L	84	0			65	119	20
	Fluorene	0.4	0.35	ug/L	88	3			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.42	ug/L	105	2			20	150	20
	4-Bromophenyl-phenylether	0.4	0.34	ug/L	85	0			20	150	20
	Hexachlorobenzene	0.4	0.39	ug/L	98	0			62	127	20
	Atrazine	0.4	0.22	ug/L	55	0			20	150	20
	Pentachlorophenol	0.8	0.26	ug/L	33	4			10	137	20
	Phenanthrene	0.4	0.37	ug/L	93	0			65	117	20
	Anthracene	0.4	0.3	ug/L	75	3			57	118	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN051324

Client:

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB160875BSD	Fluoranthene	0.4	0.33	ug/L	83	3			53	126	20
	Pyrene	0.4	0.35	ug/L	88	0			54	124	20
	Benzo(a)anthracene	0.4	0.3	ug/L	75	0			54	130	20
	Chrysene	0.4	0.36	ug/L	90	0			64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.18	ug/L	45	6			40	137	20
	Benzo(b)fluoranthene	0.4	0.33	ug/L	83	0			65	121	20
	Benzo(k)fluoranthene	0.4	0.41	ug/L	103	0			72	119	20
	Benzo(a)pyrene	0.4	0.31	ug/L	78	3			68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.32	ug/L	80	0			70	127	20
	Dibenz(a,h)anthracene	0.4	0.32	ug/L	80	0			65	121	20
	Benzo(g,h,i)perylene	0.4	0.3	ug/L	75	3	*		76	117	20
	1,4-Dioxane	0.4	0.37	ug/L	93	0			60	132	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160640BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN051324 SAS No.: BN051324 SDG NO.: BN051324

Lab File ID: BN031498.D Lab Sample ID: PB160640BL

Instrument ID: BNA_N Date Extracted: 05/01/2024

Matrix: (soil/water) Water Date Analyzed: 05/13/2024

Level: (low/med) LOW Time Analyzed: 11:37

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

RMW-01B-83-050924

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN051324 SAS No.: BN051324 SDG NO.: BN051324

Lab File ID: BN031499.D Lab Sample ID: P2445-03

Instrument ID: BNA_N Date Extracted: 05/10/2024

Matrix: (soil/water) Water Date Analyzed: 05/13/2024

Level: (low/med) LOW Time Analyzed: 12:13

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RMW-01B-83-050924	P2445-03	BN031499.D	05/13/2024
RMW-01B-83-050924MS	P2445-04MS	BN031500.D	05/13/2024
RMW-01B-83-050924MSD	P2445-05MSD	BN031501.D	05/13/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160875BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN051324 SAS No.: BN051324 SDG NO.: BN051324

Lab File ID: BN031508.D Lab Sample ID: PB160875BL

Instrument ID: BNA_N Date Extracted: 05/13/2024

Matrix: (soil/water) Water Date Analyzed: 05/13/2024

Level: (low/med) LOW Time Analyzed: 20:14

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SP-100-20240509	P2451-01	BN031509.D	05/13/2024
SP-201-20240509	P2451-02	BN031510.D	05/13/2024
SP-303-20240509	P2451-03	BN031511.D	05/13/2024
RMW-03B-90-051024	P2455-01	BN031512.D	05/13/2024
RMW-02B-66-051024	P2455-02	BN031513.D	05/13/2024
PB160875BS	PB160875BS	BN031503.D	05/13/2024
PB160875BSD	PB160875BSD	BN031504.D	05/13/2024

COMMENTS:

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BN051324

Client:

Analytical Method: 8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P2445-04MS		**Client Sample ID: RMW-01B-83-050924MS**						**DataFile: BN031500.D**			
n-Nitrosodimethylamine	0.41		0.2	ug/L	49				10	158	
bis(2-Chloroethyl)ether	0.41		0.33	ug/L	80				27	159	
Naphthalene	0.41		0.33	ug/L	80				62	119	
Hexachlorobutadiene	0.41		0.3	ug/L	73				14	140	
2-Methylnaphthalene	0.41		0.31	ug/L	76				70	118	
Acenaphthylene	0.41		0.32	ug/L	78				53	123	
Acenaphthene	0.41		0.33	ug/L	80				57	122	
Total PAH	6.56	0	5.04	ug/L	77				57	122	
Fluorene	0.41		0.33	ug/L	80				58	123	
4,6-Dinitro-2-methylphenol	0.41		0.4	ug/L	98				20	150	
4-Bromophenyl-phenylether	0.41		0.33	ug/L	80				20	150	
Hexachlorobenzene	0.41		0.35	ug/L	85				31	160	
Atrazine	0.41		0.21	ug/L	51				20	150	
Pentachlorophenol	0.82		0.64	ug/L	78				10	179	
Phenanthrene	0.41		0.37	ug/L	90				64	129	
Anthracene	0.41		0.32	ug/L	78				67	127	
Fluoranthene	0.41		0.33	ug/L	80				55	140	
Pyrene	0.41		0.35	ug/L	85				59	137	
Benzo(a)anthracene	0.41		0.32	ug/L	78				51	146	
Chrysene	0.41	0.03	0.37	ug/L	83				61	126	
bis(2-Ethylhexyl)phthalate	0.41	0	0.15	ug/L	37				35	175	
Benzo(b)fluoranthene	0.41	0.03	0.32	ug/L	71				60	123	
Benzo(k)fluoranthene	0.41	0.03	0.38	ug/L	85				61	122	
Benzo(a)pyrene	0.41	0	0.3	ug/L	73				54	129	
Indeno(1,2,3-cd)pyrene	0.41		0.22	ug/L	54				50	134	
Dibenz(a,h)anthracene	0.41		0.23	ug/L	56				53	121	
Benzo(g,h,i)perylene	0.41		0.22	ug/L	54				44	132	
1,4-Dioxane	0.41	0.27	0.59	ug/L	78				10	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BN051324

Client:

Analytical Method: 8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P2445-05MSD		**Client Sample ID: RMW-01B-83-050924MSD**						**DataFile: BN031501.D**			
n-Nitrosodimethylamine	0.4		0.19	ug/L	48		2		10	158	20
bis(2-Chloroethyl)ether	0.4		0.33	ug/L	83		4		27	159	20
Naphthalene	0.4		0.32	ug/L	80		0		62	119	20
Hexachlorobutadiene	0.4		0.29	ug/L	73		0		14	140	20
2-Methylnaphthalene	0.4		0.3	ug/L	75		1		70	118	20
Acenaphthylene	0.4		0.32	ug/L	80		3		53	123	20
Acenaphthene	0.4		0.33	ug/L	83		4		57	122	20
Total PAH	6.4	0	4.98	ug/L	78		1		57	122	20
Fluorene	0.4		0.33	ug/L	83		4		58	123	20
4,6-Dinitro-2-methylphenol	0.4		0.39	ug/L	98		0		20	150	20
4-Bromophenyl-phenylether	0.4		0.31	ug/L	78		3		20	150	20
Hexachlorobenzene	0.4		0.35	ug/L	88		3		31	160	20
Atrazine	0.4		0.2	ug/L	50		2		20	150	20
Pentachlorophenol	0.81		0.62	ug/L	77		1		10	179	20
Phenanthrene	0.4		0.37	ug/L	93		3		64	129	20
Anthracene	0.4		0.31	ug/L	78		0		67	127	20
Fluoranthene	0.4		0.33	ug/L	83		4		55	140	20
Pyrene	0.4		0.33	ug/L	83		2		59	137	20
Benzo(a)anthracene	0.4		0.31	ug/L	78		0		51	146	20
Chrysene	0.4	0.03	0.35	ug/L	80		4		61	126	20
bis(2-Ethylhexyl)phthalate	0.4	0	0.15	ug/L	38		3		35	175	20
Benzo(b)fluoranthene	0.4	0.03	0.31	ug/L	70		1		60	123	20
Benzo(k)fluoranthene	0.4	0.03	0.38	ug/L	88		3		61	122	20
Benzo(a)pyrene	0.4	0	0.29	ug/L	73		0		54	129	20
Indeno(1,2,3-cd)pyrene	0.4		0.23	ug/L	58		7		50	134	20
Dibenz(a,h)anthracene	0.4		0.24	ug/L	60		7		53	121	20
Benzo(g,h,i)perylene	0.4		0.23	ug/L	58		7		44	132	20
1,4-Dioxane	0.4	0.27	0.58	ug/L	77		1		10	175	20

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Surrogate Summary

SW-846

SDG No.: BN051324

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2316-01RE	TEST-3-T0RE	BN031502.D	2-Methylnaphthalene-d10	0.4	0.00	1	*	30	150
			Fluoranthene-d10	0.4	0.14	36		30	150
			2-Fluorophenol	0.4	0.02	5	*	10	92
			Phenol-d6	0.4	0.00	0	*	10	100
			Nitrobenzene-d5	0.4	0.27	67		11	175
			2-Fluorobiphenyl	0.4	0.31	77		10	175
			2,4,6-Tribromophenol	0.4	0.17	43		24	148
			Terphenyl-d14	0.4	0.37	91		54	171
PB160640BL	PB160640BL	BN031498.D	2-Methylnaphthalene-d10	0.4	0.29	71		30	150
			Fluoranthene-d10	0.4	0.27	68		30	150
			2-Fluorophenol	0.4	0.28	69		10	92
			Phenol-d6	0.4	0.27	68		10	100
			Nitrobenzene-d5	0.4	0.31	77		11	175
			2-Fluorobiphenyl	0.4	0.36	89		10	175
			2,4,6-Tribromophenol	0.4	0.20	49		24	148
			Terphenyl-d14	0.4	0.29	71		54	171

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Surrogate Summary

SW-846

SDG No.: BN051324

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
P2445-03	RMW-01B-83-0509	BN031499.D	2-Methylnaphthalene-d10	0.4	0.30	76		30	150
			Fluoranthene-d10	0.4	0.32	80		30	150
			2-Fluorophenol	0.4	0.10	25		10	92
			Phenol-d6	0.4	0.06	16		10	100
			Nitrobenzene-d5	0.4	0.35	87		11	175
			2-Fluorobiphenyl	0.4	0.42	105		10	175
			2,4,6-Tribromophenol	0.4	0.22	54		24	148
			Terphenyl-d14	0.4	0.47	118		54	171
P2445-04MS	RMW-01B-83-0509	BN031500.D	2-Methylnaphthalene-d10	0.4	0.37	93		30	150
			Fluoranthene-d10	0.4	0.30	75		30	150
			2-Fluorophenol	0.4	0.13	32		10	92
			Phenol-d6	0.4	0.09	22		10	100
			Nitrobenzene-d5	0.4	0.33	83		11	175
			2-Fluorobiphenyl	0.4	0.43	107		10	175
			2,4,6-Tribromophenol	0.4	0.23	58		24	148
			Terphenyl-d14	0.4	0.36	91		54	171
P2445-05MSD	RMW-01B-83-0509	BN031501.D	2-Methylnaphthalene-d10	0.4	0.36	90		30	150
			Fluoranthene-d10	0.4	0.30	75		30	150
			2-Fluorophenol	0.4	0.13	33		10	92
			Phenol-d6	0.4	0.09	22		10	100
			Nitrobenzene-d5	0.4	0.33	83		11	175
			2-Fluorobiphenyl	0.4	0.44	109		10	175
			2,4,6-Tribromophenol	0.4	0.24	59		24	148
			Terphenyl-d14	0.4	0.36	89		54	171

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Surrogate Summary

SW-846

SDG No.: BN051324

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2451-01	SP-100-20240509	BN031509.D	2-Methylnaphthalene-d10	0.4	0.25	62		30	150
			Fluoranthene-d10	0.4	0.29	72		30	150
			2-Fluorophenol	0.4	0.08	21		10	92
			Phenol-d6	0.4	0.05	13		10	100
			Nitrobenzene-d5	0.4	0.30	75		11	175
			2-Fluorobiphenyl	0.4	0.38	96		10	175
			2,4,6-Tribromophenol	0.4	0.19	47		24	148
			Terphenyl-d14	0.4	0.36	91		54	171
P2451-02	SP-201-20240509	BN031510.D	2-Methylnaphthalene-d10	0.4	0.27	68		30	150
			Fluoranthene-d10	0.4	0.30	76		30	150
			2-Fluorophenol	0.4	0.08	21		10	92
			Phenol-d6	0.4	0.05	13		10	100
			Nitrobenzene-d5	0.4	0.32	81		11	175
			2-Fluorobiphenyl	0.4	0.38	95		10	175
			2,4,6-Tribromophenol	0.4	0.20	50		24	148
			Terphenyl-d14	0.4	0.39	98		54	171
P2451-03	SP-303-20240509	BN031511.D	2-Methylnaphthalene-d10	0.4	0.26	66		30	150
			Fluoranthene-d10	0.4	0.28	70		30	150
			2-Fluorophenol	0.4	0.06	14		10	92
			Phenol-d6	0.4	0.04	10		10	100
			Nitrobenzene-d5	0.4	0.32	79		11	175
			2-Fluorobiphenyl	0.4	0.37	92		10	175
			2,4,6-Tribromophenol	0.4	0.05	13	*	24	148
			Terphenyl-d14	0.4	0.37	92		54	171
P2455-01	RMW-03B-90-051(	BN031512.D	2-Methylnaphthalene-d10	0.4	0.23	57		30	150
			Fluoranthene-d10	0.4	0.28	70		30	150
			2-Fluorophenol	0.4	0.10	25		10	92
			Phenol-d6	0.4	0.06	16		10	100
			Nitrobenzene-d5	0.4	0.29	72		11	175
			2-Fluorobiphenyl	0.4	0.33	83		10	175
			2,4,6-Tribromophenol	0.4	0.20	49		24	148
			Terphenyl-d14	0.4	0.36	89		54	171
P2455-02	RMW-02B-66-051(	BN031513.D	2-Methylnaphthalene-d10	0.4	0.23	56		30	150
			Fluoranthene-d10	0.4	0.29	72		30	150
			2-Fluorophenol	0.4	0.10	24		10	92
			Phenol-d6	0.4	0.06	14		10	100
			Nitrobenzene-d5	0.4	0.27	68		11	175
			2-Fluorobiphenyl	0.4	0.31	78		10	175
			2,4,6-Tribromophenol	0.4	0.19	47		24	148
			Terphenyl-d14	0.4	0.35	86		54	171
PB160875BL	PB160875BL	BN031508.D	2-Methylnaphthalene-d10	0.4	0.27	67		30	150
			Fluoranthene-d10	0.4	0.26	65		30	150
			2-Fluorophenol	0.4	0.26	64		10	92
			Phenol-d6	0.4	0.26	64		10	100
			Nitrobenzene-d5	0.4	0.32	79		11	175
			2-Fluorobiphenyl	0.4	0.36	90		10	175
			2,4,6-Tribromophenol	0.4	0.15	37		24	148
			Terphenyl-d14	0.4	0.32	79		54	171
PB160875BS	PB160875BS	BN031503.D	2-Methylnaphthalene-d10	0.4	0.35	87		30	150

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Surrogate Summary

SW-846

SDG No.: BN051324

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB160875BS	PB160875BS	BN031503.D	Fluoranthene-d10	0.4	0.33	83		30	150
			2-Fluorophenol	0.4	0.28	70		10	92
			Phenol-d6	0.4	0.28	71		10	100
			Nitrobenzene-d5	0.4	0.35	88		11	175
			2-Fluorobiphenyl	0.4	0.39	98		10	175
			2,4,6-Tribromophenol	0.4	0.25	62		24	148
			Terphenyl-d14	0.4	0.31	78		54	171
PB160875BSD	PB160875BSD	BN031504.D	2-Methylnaphthalene-d10	0.4	0.35	86		30	150
			Fluoranthene-d10	0.4	0.33	82		30	150
			2-Fluorophenol	0.4	0.28	69		10	92
			Phenol-d6	0.4	0.29	71		10	100
			Nitrobenzene-d5	0.4	0.35	88		11	175
			2-Fluorobiphenyl	0.4	0.40	99		10	175
			2,4,6-Tribromophenol	0.4	0.24	60		24	148
			Terphenyl-d14	0.4	0.32	79		54	171

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN051324

Lab Code: CHEM SAS No.: BN051324 SDG NO.: BN051324

Lab File ID: BN031496.D DFTPP Injection Date: 05/13/2024

Instrument ID: BNA_N DFTPP Injection Time: 07:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.1
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	37
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.5
197	Less than 2.0% of mass 198	0.2
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	26.9
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	9.8
442	Greater than 50% of mass 198	66
443	15.0 - 24.0% of mass 442	13.5 (20.4) 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	BN031497.D	05/13/2024	10:21
PB160640BL	PB160640BL	BN031498.D	05/13/2024	11:37
RMW-01B-83-050924	P2445-03	BN031499.D	05/13/2024	12:13
RMW-01B-83-050924MS	P2445-04MS	BN031500.D	05/13/2024	14:03
RMW-01B-83-050924MSD	P2445-05MSD	BN031501.D	05/13/2024	14:40
TEST-3-T0RE	P2316-01RE	BN031502.D	05/13/2024	15:16
PB160875BS	PB160875BS	BN031503.D	05/13/2024	15:52
PB160875BSD	PB160875BSD	BN031504.D	05/13/2024	16:29
SSTDCCC0.4EC	SSTDCCC0.4	BN031505.D	05/13/2024	17:05

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN051324

Lab Code: CHEM SAS No.: BN051324 SDG NO.: BN051324

Lab File ID: BN031506.D DFTPP Injection Date: 05/13/2024

Instrument ID: BNA_N DFTPP Injection Time: 18:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.4
68	Less than 2.0% of mass 69	0.8 (1.7) 1
69	Mass 69 relative abundance	46.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	53.1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	23.8
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	9
442	Greater than 50% of mass 198	52.4
443	15.0 - 24.0% of mass 442	11.9 (22.6) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN031507.D	05/13/2024	19:01
PB160875BL	PB160875BL	BN031508.D	05/13/2024	20:14
SP-100-20240509	P2451-01	BN031509.D	05/13/2024	20:50
SP-201-20240509	P2451-02	BN031510.D	05/13/2024	21:26
SP-303-20240509	P2451-03	BN031511.D	05/13/2024	22:02
RMW-03B-90-051024	P2455-01	BN031512.D	05/13/2024	22:39
RMW-02B-66-051024	P2455-02	BN031513.D	05/13/2024	23:15
SSTDCCC0.4EC	SSTDCCC0.4	BN031514.D	05/13/2024	23:51