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.: BN040524 SAS No.: BN040524 SDG No.: BN040524

Instrument ID: BNA_N Calibration Date/Time: 4/4/2024 12: 14:37

Lab File ID: BN030660.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	0.612	0.626		2.288	20.0
Fluoranthene-d10	1.078	1.043		-3.247	20.0
n-Nitrosodimethylamine	0.467	0.486		4.069	20.0
2-Fluorophenol	0.871	1.082		24.225	20.0
Phenol-d6	1.120	1.338		19.464	20.0
bis(2-Chloroethyl)ether	1.105	1.125		1.81	20.0
Nitrobenzene-d5	0.281	0.332		18.149	20.0
Naphthalene	1.109	1.090		-1.713	20.0
Hexachlorobutadiene	0.226	0.221		-2.212	20.0
2-Methylnaphthalene	0.728	0.734		0.824	20.0
2-Fluorobiphenyl	1.546	1.318		-14.748	20.0
Acenaphthylene	1.812	1.724		-4.857	20.0
Acenaphthene	1.255	1.133		-9.721	20.0
Fluorene	1.634	1.512		-7.466	20.0
4,6-Dinitro-2-methylphenol	0.045	0.037		-17.778	20.0
2,4,6-Tribromophenol	0.151	0.223		47.682	20.0
4-Bromophenyl-phenylether	0.242	0.237		-2.066	20.0
Hexachlorobenzene	0.289	0.258		-10.727	20.0
Atrazine	0.176	0.225		27.841	20.0
Pentachlorophenol	0.087	0.125		43.678	20.0
Phenanthrene	1.187	1.094		-7.835	20.0
Anthracene	0.995	1.014		1.91	20.0
Fluoranthene	1.410	1.294		-8.227	20.0
Pyrene	1.566	1.735		10.792	20.0
Terphenyl-d14	0.924	1.051		13.745	20.0
Benzo(a)anthracene	1.417	1.452		2.47	20.0
Chrysene	1.519	1.400		-7.834	20.0
Bis(2-ethylhexyl)phthalate	0.614	1.308		113.029	20.0
Benzo(b)fluoranthene	1.627	1.486		-8.666	20.0
Benzo(k)fluoranthene	1.633	1.414		-13.411	20.0
Benzo(a)pyrene	1.303	1.216		-6.677	20.0
Indeno(1,2,3-cd)pyrene	1.771	1.409		-20.44	20.0
Dibenzo(a,h)anthracene	1.404	1.127		-19.729	20.0
Benzo(g,h,i)perylene	1.509	1.187		-21.339	20.0
1,4-Dioxane	0.483	0.421		-12.836	20.0

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:				Date Collected:	4/3/2024 12:00:00 AM
Project:				Date Received:	4/3/2024 12:00:00 AM
Client Sample ID:	PB159971BL			SDG No.:	BN040524
Lab Sample ID:	PB159971BL			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
BN030661.D	1	4/3/2024 12:00:00 AM	4/4/2024 12:00:00 AM	PB159971

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
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:				Date Collected:	4/3/2024 12:00:00 AM
Project:				Date Received:	4/3/2024 12:00:00 AM
Client Sample ID:	PB159971BL			SDG No.:	BN040524
Lab Sample ID:	PB159971BL			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
BN030661.D	1	4/3/2024 12:00:00 AM	4/4/2024 12:00:00 AM	PB159971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.352		30-150		88	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.343		30-150		86	SPK: -0.4
367-12-4	2-Fluorophenol	0.452	*	10-92		113	SPK: -0.4
13127-88-3	Phenol-d6	0.411	*	10-100		103	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.404		11-175		101	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.315		10-175		79	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.423		24-148		106	SPK: -0.4
1718-51-0	Terphenyl-d14	0.398		54-171		100	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6925	7.697				
1146-65-2	Naphthalene-d8	19591	10.474				
15067-26-2	Acenaphthene-d10	11005	14.327				
1517-22-2	Phenanthrene-d10	24870	17.078				
1719-03-5	Chrysene-d12	18312	21.276				
1520-96-3	Perylene-d12	16881	23.521				

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:				Date Collected:	4/3/2024 12:00:00 AM
Project:				Date Received:	4/3/2024 12:00:00 AM
Client Sample ID:	PB159971BS			SDG No.:	BN040524
Lab Sample ID:	PB159971BS			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
BN030662.D	1	4/3/2024 12:00:00 AM	4/4/2024 12:00:00 AM	PB159971

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	0.41		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.39		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.39		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.4		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.39		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.37		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.89		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.38		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.4		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.37		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.35		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.47		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.57		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.36		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.39		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.37		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.42		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.41		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.37		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.72		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.36		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.35		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.38		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.32		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	0.38		0.07	0.2	0.2	ug/L

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:				Date Collected:	4/3/2024 12:00:00 AM
Project:				Date Received:	4/3/2024 12:00:00 AM
Client Sample ID:	PB159971BS			SDG No.:	BN040524
Lab Sample ID:	PB159971BS			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
BN030662.D	1	4/3/2024 12:00:00 AM	4/4/2024 12:00:00 AM	PB159971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.409		30-150		102	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.39		30-150		97	SPK: -0.4
367-12-4	2-Fluorophenol	0.487	*	10-92		122	SPK: -0.4
13127-88-3	Phenol-d6	0.466	*	10-100		116	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.455		11-175		114	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.348		10-175		87	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.549		24-148		137	SPK: -0.4
1718-51-0	Terphenyl-d14	0.429		54-171		107	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7673	7.697				
1146-65-2	Naphthalene-d8	22957	10.474				
15067-26-2	Acenaphthene-d10	14324	14.327				
1517-22-2	Phenanthrene-d10	32524	17.078				
1719-03-5	Chrysene-d12	26947	21.276				
1520-96-3	Perylene-d12	24632	23.524				

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:				Date Collected:	4/3/2024 12:00:00 AM
Project:				Date Received:	4/3/2024 12:00:00 AM
Client Sample ID:	PB159971BSD			SDG No.:	BN040524
Lab Sample ID:	PB159971BSD			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
BN030663.D	1	4/3/2024 12:00:00 AM	4/4/2024 12:00:00 AM	PB159971

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	0.41		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.39		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.39		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.4		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.39		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.37		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.9		0.45	0.1	1.6	ug/L
86-73-7	Fluorene	0.38		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.39		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.37		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.36		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.47		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.56		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.36		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.39		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.38		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.42		0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.41		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.37		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.69		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.36		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.35		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.38		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.32		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
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:				Date Collected:	4/3/2024 12:00:00 AM
Project:				Date Received:	4/3/2024 12:00:00 AM
Client Sample ID:	PB159971BSD			SDG No.:	BN040524
Lab Sample ID:	PB159971BSD			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
BN030663.D	1	4/3/2024 12:00:00 AM	4/4/2024 12:00:00 AM	PB159971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.408		30-150		102	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.391		30-150		98	SPK: -0.4
367-12-4	2-Fluorophenol	0.481	*	10-92		120	SPK: -0.4
13127-88-3	Phenol-d6	0.456	*	10-100		114	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.454		11-175		113	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.351		10-175		88	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.537		24-148		134	SPK: -0.4
1718-51-0	Terphenyl-d14	0.423		54-171		106	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	6951	7.697				
1146-65-2	Naphthalene-d8	20867	10.474				
15067-26-2	Acenaphthene-d10	12962	14.327				
1517-22-2	Phenanthrene-d10	29468	17.077				
1719-03-5	Chrysene-d12	24970	21.276				
1520-96-3	Perylene-d12	22645	23.521				

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:				Date Collected:	4/2/2024 12:00:00 AM
Project:				Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RSB-02-17-040224			SDG No.:	BN040524
Lab Sample ID:	P1964-01			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	960	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
BN030664.D	1	4/3/2024 12:00:00 AM	4/4/2024 12:00:00 AM	PB159971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.21	0.21	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.03	U	0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.03	U	0.03	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	0.48	U	0.48	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	0.15	U	0.15	0.21	0.21	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	0.2	J	0.09	0.21	0.21	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.03	U	0.03	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	0.04	J	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.04	J	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.22		0.15	0.21	0.21	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	J	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	U	0.04	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	0.15	J	0.07	0.21	0.21	ug/L

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:				Date Collected:	4/2/2024 12:00:00 AM
Project:				Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RSB-02-17-040224			SDG No.:	BN040524
Lab Sample ID:	P1964-01			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	960	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
BN030664.D	1	4/3/2024 12:00:00 AM	4/4/2024 12:00:00 AM	PB159971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.221		30-150		55	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.27		30-150		68	SPK: -0.4
367-12-4	2-Fluorophenol	0.148		10-92		37	SPK: -0.4
13127-88-3	Phenol-d6	0.096		10-100		24	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.242		11-175		60	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.212		10-175		53	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.355		24-148		89	SPK: -0.4
1718-51-0	Terphenyl-d14	0.304		54-171		76	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7304	7.697				
1146-65-2	Naphthalene-d8	22254	10.475				
15067-26-2	Acenaphthene-d10	13913	14.327				
1517-22-2	Phenanthrene-d10	31114	17.078				
1719-03-5	Chrysene-d12	26367	21.276				
1520-96-3	Perylene-d12	23386	23.521				

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:				Date Collected:	4/2/2024 12:00:00 AM
Project:				Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	EB01-040224			SDG No.:	BN040524
Lab Sample ID:	P1964-02			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
BN030665.D	1	4/3/2024 12:00:00 AM	4/4/2024 12:00:00 AM	PB159971

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	0.03	J	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	0.18	J	0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.02	U	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.03	J	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.03	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	0.04	J	0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.04	J	0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.06	U	0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	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
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:				Date Collected:	4/2/2024 12:00:00 AM
Project:				Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	EB01-040224			SDG No.:	BN040524
Lab Sample ID:	P1964-02			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
BN030665.D	1	4/3/2024 12:00:00 AM	4/4/2024 12:00:00 AM	PB159971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.307		30-150		77	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.369		30-150		92	SPK: -0.4
367-12-4	2-Fluorophenol	0.163		10-92		41	SPK: -0.4
13127-88-3	Phenol-d6	0.1		10-100		25	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.332		11-175		83	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.258		10-175		64	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.464		24-148		116	SPK: -0.4
1718-51-0	Terphenyl-d14	0.388		54-171		97	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7137	7.697				
1146-65-2	Naphthalene-d8	21104	10.474				
15067-26-2	Acenaphthene-d10	13237	14.327				
1517-22-2	Phenanthrene-d10	29517	17.078				
1719-03-5	Chrysene-d12	25621	21.276				
1520-96-3	Perylene-d12	22333	23.521				

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:				Date Collected:	4/2/2024 12:00:00 AM
Project:				Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RSB-02-47-040224			SDG No.:	BN040524
Lab Sample ID:	P1964-03			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
BN030666.D	1	4/3/2024 12:00:00 AM	4/4/2024 12:00:00 AM	PB159971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.03	U	0.03	0.21	0.21	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	0.46	U	0.46	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	0.21	0.21	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	0.18	J	0.09	0.21	0.21	ug/L
85-01-8	Phenanthrene	0.02	U	0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.02	U	0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.02	U	0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.02	U	0.02	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.03	J	0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.03	J	0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.14	J	0.14	0.21	0.21	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	0.04	U	0.04	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	0.21	0.21	ug/L

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:				Date Collected:	4/2/2024 12:00:00 AM
Project:				Date Received:	4/2/2024 12:00:00 AM
Client Sample ID:	RSB-02-47-040224			SDG No.:	BN040524
Lab Sample ID:	P1964-03			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
BN030666.D	1	4/3/2024 12:00:00 AM	4/4/2024 12:00:00 AM	PB159971

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.264		30-150		66	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.305		30-150		76	SPK: -0.4
367-12-4	2-Fluorophenol	0.151		10-92		38	SPK: -0.4
13127-88-3	Phenol-d6	0.089		10-100		22	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.288		11-175		72	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.226		10-175		56	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.368		24-148		92	SPK: -0.4
1718-51-0	Terphenyl-d14	0.301		54-171		75	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	7489	7.697				
1146-65-2	Naphthalene-d8	22046	10.475				
15067-26-2	Acenaphthene-d10	13509	14.327				
1517-22-2	Phenanthrene-d10	30840	17.078				
1719-03-5	Chrysene-d12	26643	21.276				
1520-96-3	Perylene-d12	23766	23.521				

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Hit Summary Sheet
SW-846

SDG No.: BN040524

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : RSB-02-17-040224								
P1964-01	RSB-02-17-040224	Water	1,4-Dioxane	0.150	J	0.07	0.21	ug/L
P1964-01	RSB-02-17-040224	Water	Benzo(a)anthracene	0.040	J	0.02	0.1	ug/L
P1964-01	RSB-02-17-040224	Water	Benzo(b)fluoranthene	0.040	J	0.03	0.1	ug/L
P1964-01	RSB-02-17-040224	Water	Bis(2-ethylhexyl)phthalate	0.220		0.15	0.21	ug/L
P1964-01	RSB-02-17-040224	Water	Chrysene	0.040	J	0.03	0.1	ug/L
P1964-01	RSB-02-17-040224	Water	Pentachlorophenol	0.200	J	0.09	0.21	ug/L
			Total Svoc :	**0.69**				
			Total Concentration:	**0.69**				
Client ID : EB01-040224								
P1964-02	EB01-040224	Water	Benzo(a)anthracene	0.030	J	0.02	0.1	ug/L
P1964-02	EB01-040224	Water	Benzo(b)fluoranthene	0.040	J	0.03	0.1	ug/L
P1964-02	EB01-040224	Water	Benzo(k)fluoranthene	0.040	J	0.03	0.1	ug/L
P1964-02	EB01-040224	Water	Chrysene	0.030	J	0.03	0.1	ug/L
P1964-02	EB01-040224	Water	Naphthalene	0.030	J	0.02	0.1	ug/L
P1964-02	EB01-040224	Water	Pentachlorophenol	0.180	J	0.09	0.2	ug/L
			Total Svoc :	**0.35**				
			Total Concentration:	**0.35**				
Client ID : RSB-02-47-040224								
P1964-03	RSB-02-47-040224	Water	Benzo(a)anthracene	0.030	J	0.02	0.1	ug/L
P1964-03	RSB-02-47-040224	Water	Bis(2-ethylhexyl)phthalate	0.140	J	0.14	0.21	ug/L
P1964-03	RSB-02-47-040224	Water	Chrysene	0.030	J	0.03	0.1	ug/L
P1964-03	RSB-02-47-040224	Water	Pentachlorophenol	0.180	J	0.09	0.21	ug/L
			Total Svoc :	**0.38**				
			Total Concentration:	**0.38**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN033024 SAS No.: BN033024 SDG No.: BN033024

Instrument ID: Calibration Date(s): 3/29/2024

Calibration Time(s): 15:57

LAB FILE ID: RRF0.1 = BN030532.D RRF0.2 = BN030533.D RRF0.4 = BN030534.D
RRF0.8 = BN030535.D RRF1.6 = BN030536.D RRF3.2 = BN030537.D

COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.579	0.602	0.586	0.601	0.648	0.637	0.612	4.3
Fluoranthene-d10	0.982	1.029	1.006	1.065	1.152	1.158	1.078	7.1
n-Nitrosodimethylamine	0.424	0.449	0.445	0.461	0.509	0.495	0.467	6.5
2-Fluorophenol	0.825	0.856	0.818	0.836	0.921	0.920	0.871	5.5
Phenol-d6	1.020	1.058	1.030	1.067	1.201	1.226	1.120	8.7
bis(2-Chloroethyl)ether	1.052	1.091	1.066	1.077	1.179	1.149	1.105	4.2
Nitrobenzene-d5	0.264	0.268	0.264	0.271	0.299	0.300	0.281	6.5
Naphthalene	1.078	1.121	1.069	1.083	1.166	1.133	1.109	3.1
Hexachlorobutadiene	0.224	0.234	0.224	0.224	0.235	0.225	0.226	2.7
2-Methylnaphthalene	0.695	0.716	0.698	0.712	0.774	0.757	0.728	4.2
2-Fluorobiphenyl	1.642	1.618	1.481	1.503	1.573	1.517	1.546	4.2
Acenaphthylene	1.631	1.704	1.647	1.740	1.957	1.986	1.812	9.3
Acenaphthene	1.185	1.228	1.179	1.233	1.332	1.318	1.255	5.1
Fluorene	1.518	1.589	1.542	1.613	1.751	1.718	1.634	5.6
4,6-Dinitro-2-methylphenol		0.034	0.038	0.043	0.052	0.059	0.045	23.1
2,4,6-Tribromophenol	0.131	0.131	0.126	0.141	0.162	0.176	0.151	16.6
4-Bromophenyl-phenylether	0.231	0.236	0.231	0.234	0.254	0.255	0.242	4.7
Hexachlorobenzene	0.284	0.293	0.277	0.283	0.300	0.294	0.289	2.7
Atrazine	0.159	0.157	0.157	0.167	0.190	0.198	0.176	11.6
Pentachlorophenol		0.066	0.073	0.084	0.101	0.115	0.087	23.0
Phenanthrene	1.120	1.173	1.131	1.167	1.260	1.243	1.187	4.5
Anthracene	0.880	0.908	0.904	0.965	1.075	1.114	0.995	10.5
Fluoranthene	1.302	1.329	1.317	1.399	1.528	1.517	1.410	6.9
Pyrene	1.517	1.537	1.515	1.542	1.645	1.615	1.566	3.2
Terphenyl-d14	0.938	0.905	0.892	0.924	0.965	0.936	0.924	2.7
Benzo(a)anthracene	1.363	1.314	1.306	1.373	1.525	1.516	1.417	7.0
Chrysene	1.577	1.509	1.466	1.474	1.579	1.532	1.519	3.0
Bis(2-ethylhexyl)phthalate	0.569	0.555	0.525	0.544	0.636	0.712	0.614	14.9
Benzo(b)fluoranthene	1.532	1.528	1.538	1.643	1.715	1.729	1.627	5.7
Benzo(k)fluoranthene	1.530	1.549	1.558	1.647	1.744	1.711	1.633	5.3
Benzo(a)pyrene	1.233	1.187	1.176	1.265	1.400	1.422	1.303	8.7
Indeno(1,2,3-cd)pyrene	1.702	1.665	1.619	1.688	1.936	1.903	1.771	7.4
Dibenzo(a,h)anthracene	1.327	1.313	1.282	1.354	1.551	1.514	1.404	7.8
Benzo(g,h,i)perylene	1.479	1.470	1.420	1.436	1.607	1.583	1.509	5.0
1,4-Dioxane	0.522	0.552	0.483	0.464	0.474	0.452	0.483	8.5

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN040524 SAS No.: BN040524 SDG NO.: BN040524

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

Lab File ID: BN030534.D Time Analyzed: 15:13

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	6470	7.704	19007	10.49	10557	14.34
	UPPER LIMIT	12940	8.204	38014	10.985	21114	14.838
	LOWER LIMIT	3235	7.204	9503.5	9.985	5278.5	13.838
	EPA SAMPLE NO.						
01	PB159971BL	6925	7.70	19591	10.47	11005	14.33
02	PB159971BS	7673	7.70	22957	10.47	14324	14.33
03	PB159971BSD	6951	7.70	20867	10.47	12962	14.33
04	RSB-02-17-040224	7304	7.70	22254	10.48	13913	14.33
05	EB01-040224	7137	7.70	21104	10.47	13237	14.33
06	RSB-02-47-040224	7489	7.70	22046	10.48	13509	14.33

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.

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN040524 SAS No.: BN040524 SDG NO.: BN040524

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

Lab File ID: BN030660.D Time Analyzed: 15:13

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	7511	7.697	22149	10.48	14254	14.33
	UPPER LIMIT	15022	8.197	44298	10.975	28508	14.827
	LOWER LIMIT	3755.5	7.197	11074.5	9.975	7127	13.827
	EPA SAMPLE NO.						
01	PB159971BL	6925	7.70	19591	10.47	11005	14.33
02	PB159971BS	7673	7.70	22957	10.47	14324	14.33
03	PB159971BSD	6951	7.70	20867	10.47	12962	14.33
04	RSB-02-17-040224	7304	7.70	22254	10.48	13913	14.33
05	EB01-040224	7137	7.70	21104	10.47	13237	14.33
06	RSB-02-47-040224	7489	7.70	22046	10.48	13509	14.33

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.

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN040524 SAS No.: BN040524 SDG NO.: BN040524

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

Lab File ID: BN030534.D Time Analyzed: 15:13

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	23431	17.09	20505	21.285	19294	23.527
	UPPER LIMIT	46862	17.59	41010	21.785	38588	24.027
	LOWER LIMIT	11715.5	16.59	10252.5	20.785	9647	23.027
	EPA SAMPLE NO.						
01	PB159971BL	24870	17.08	18312	21.28	16881	23.52
02	PB159971BS	32524	17.08	26947	21.28	24632	23.52
03	PB159971BSD	29468	17.08	24970	21.28	22645	23.52
04	RSB-02-17-040224	31114	17.08	26367	21.28	23386	23.52
05	EB01-040224	29517	17.08	25621	21.28	22333	23.52
06	RSB-02-47-040224	30840	17.08	26643	21.28	23766	23.52

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.

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN040524 SAS No.: BN040524 SDG NO.: BN040524

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

Lab File ID: BN030660.D Time Analyzed: 15:13

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	31267	17.078	24286	21.276	21628	23.522
	UPPER LIMIT	62534	17.578	48572	21.776	43256	24.022
	LOWER LIMIT	15633.5	16.578	12143	20.776	10814	23.022
	EPA SAMPLE NO.						
01	PB159971BL	24870	17.08	18312	21.28	16881	23.52
02	PB159971BS	32524	17.08	26947	21.28	24632	23.52
03	PB159971BSD	29468	17.08	24970	21.28	22645	23.52
04	RSB-02-17-040224	31114	17.08	26367	21.28	23386	23.52
05	EB01-040224	29517	17.08	25621	21.28	22333	23.52
06	RSB-02-47-040224	30840	17.08	26643	21.28	23766	23.52

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.

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN040524

Client:

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB159971BS	n-Nitrosodimethylamine	0.4	0.42	ug/L	105				33	130	
	bis(2-Chloroethyl)ether	0.4	0.41	ug/L	103				55	118	
	Naphthalene	0.4	0.39	ug/L	98				67	120	
	Hexachlorobutadiene	0.4	0.39	ug/L	98				33	114	
	2-Methylnaphthalene	0.4	0.4	ug/L	100				50	122	
	Acenaphthylene	0.4	0.39	ug/L	98				60	119	
	Acenaphthene	0.4	0.37	ug/L	93				65	119	
	Total PAH	6.4	5.89	ug/L	92				65	119	
	Fluorene	0.4	0.38	ug/L	95				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.4	ug/L	100				20	150	
	4-Bromophenyl-phenylether	0.4	0.37	ug/L	93				20	150	
	Hexachlorobenzene	0.4	0.35	ug/L	88				62	127	
	Atrazine	0.4	0.47	ug/L	117				20	150	
	Pentachlorophenol	0.8	0.57	ug/L	71				10	137	
	Phenanthrene	0.4	0.36	ug/L	90				65	117	
	Anthracene	0.4	0.39	ug/L	98				57	118	
	Fluoranthene	0.4	0.37	ug/L	93				53	126	
	Pyrene	0.4	0.42	ug/L	105				54	124	
	Benzo(a)anthracene	0.4	0.41	ug/L	103				54	130	
	Chrysene	0.4	0.37	ug/L	93				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.72	ug/L	180		*		40	137	
	Benzo(b)fluoranthene	0.4	0.36	ug/L	90				65	121	
	Benzo(k)fluoranthene	0.4	0.35	ug/L	88				72	119	
	Benzo(a)pyrene	0.4	0.38	ug/L	95				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	0.38	ug/L	95				60	132	
PB159971BSD	n-Nitrosodimethylamine	0.4	0.41	ug/L	103	2			33	130	20
	bis(2-Chloroethyl)ether	0.4	0.41	ug/L	103	0			55	118	20
	Naphthalene	0.4	0.39	ug/L	98	0			67	120	20
	Hexachlorobutadiene	0.4	0.39	ug/L	98	0			33	114	20
	2-Methylnaphthalene	0.4	0.4	ug/L	100	0			50	122	20
	Acenaphthylene	0.4	0.39	ug/L	98	0			60	119	20
	Acenaphthene	0.4	0.37	ug/L	93	0			65	119	20
	Total PAH	6.4	5.9	ug/L	92	0			65	119	20
	Fluorene	0.4	0.38	ug/L	95	0			58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.39	ug/L	98	3			20	150	20
	4-Bromophenyl-phenylether	0.4	0.37	ug/L	93	0			20	150	20
	Hexachlorobenzene	0.4	0.36	ug/L	90	3			62	127	20
	Atrazine	0.4	0.47	ug/L	117	0			20	150	20
	Pentachlorophenol	0.8	0.56	ug/L	70	2			10	137	20
	Phenanthrene	0.4	0.36	ug/L	90	0			65	117	20
	Anthracene	0.4	0.39	ug/L	98	0			57	118	20

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN040524

Client:

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB159971BSD	Fluoranthene	0.4	0.38	ug/L	95	3			53	126	20
	Pyrene	0.4	0.42	ug/L	105	0			54	124	20
	Benzo(a)anthracene	0.4	0.41	ug/L	103	0			54	130	20
	Chrysene	0.4	0.37	ug/L	93	0			64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.69	ug/L	173	4	*		40	137	20
	Benzo(b)fluoranthene	0.4	0.36	ug/L	90	0			65	121	20
	Benzo(k)fluoranthene	0.4	0.35	ug/L	88	0			72	119	20
	Benzo(a)pyrene	0.4	0.38	ug/L	95	0			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	0.31	ug/L	78	0			76	117	20
	1,4-Dioxane	0.4	0.37	ug/L	93	3			60	132	20

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159971BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN040524 SAS No.: BN040524 SDG NO.: BN040524

Lab File ID: BN030661.D Lab Sample ID: PB159971BL

Instrument ID: BNA_N Date Extracted: 04/03/2024

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

Level: (low/med) LOW Time Analyzed: 15:13

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159971BS	PB159971BS	BN030662.D	04/04/2024
PB159971BSD	PB159971BSD	BN030663.D	04/04/2024
RSB-02-17-040224	P1964-01	BN030664.D	04/04/2024
EB01-040224	P1964-02	BN030665.D	04/04/2024
RSB-02-47-040224	P1964-03	BN030666.D	04/04/2024

COMMENTS:

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Surrogate Summary

SW-846

SDG No.: BN040524

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P1964-01	RSB-02-17-040224	BN030664.D	2-Methylnaphthalene-d10	0.4	0.22	55		30	150
			Fluoranthene-d10	0.4	0.27	68		30	150
			2-Fluorophenol	0.4	0.15	37		10	92
			Phenol-d6	0.4	0.10	24		10	100
			Nitrobenzene-d5	0.4	0.24	60		11	175
			2-Fluorobiphenyl	0.4	0.21	53		10	175
			2,4,6-Tribromophenol	0.4	0.36	89		24	148
			Terphenyl-d14	0.4	0.30	76		54	171
P1964-02	EB01-040224	BN030665.D	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
			Fluoranthene-d10	0.4	0.37	92		30	150
			2-Fluorophenol	0.4	0.16	41		10	92
			Phenol-d6	0.4	0.10	25		10	100
			Nitrobenzene-d5	0.4	0.33	83		11	175
			2-Fluorobiphenyl	0.4	0.26	64		10	175
			2,4,6-Tribromophenol	0.4	0.46	116		24	148
			Terphenyl-d14	0.4	0.39	97		54	171
P1964-03	RSB-02-47-040224	BN030666.D	2-Methylnaphthalene-d10	0.4	0.26	66		30	150
			Fluoranthene-d10	0.4	0.31	76		30	150
			2-Fluorophenol	0.4	0.15	38		10	92
			Phenol-d6	0.4	0.09	22		10	100
			Nitrobenzene-d5	0.4	0.29	72		11	175
			2-Fluorobiphenyl	0.4	0.23	56		10	175
			2,4,6-Tribromophenol	0.4	0.37	92		24	148
			Terphenyl-d14	0.4	0.30	75		54	171
PB159971BL	PB159971BL	BN030661.D	2-Methylnaphthalene-d10	0.4	0.35	88		30	150
			Fluoranthene-d10	0.4	0.34	86		30	150
			2-Fluorophenol	0.4	0.45	113	*	10	92
			Phenol-d6	0.4	0.41	103	*	10	100
			Nitrobenzene-d5	0.4	0.40	101		11	175
			2-Fluorobiphenyl	0.4	0.32	79		10	175
			2,4,6-Tribromophenol	0.4	0.42	106		24	148
			Terphenyl-d14	0.4	0.40	100		54	171
PB159971BS	PB159971BS	BN030662.D	2-Methylnaphthalene-d10	0.4	0.41	102		30	150
			Fluoranthene-d10	0.4	0.39	97		30	150
			2-Fluorophenol	0.4	0.49	122	*	10	92
			Phenol-d6	0.4	0.47	116	*	10	100
			Nitrobenzene-d5	0.4	0.46	114		11	175
			2-Fluorobiphenyl	0.4	0.35	87		10	175
			2,4,6-Tribromophenol	0.4	0.55	137		24	148
			Terphenyl-d14	0.4	0.43	107		54	171
PB159971BSD	PB159971BSD	BN030663.D	2-Methylnaphthalene-d10	0.4	0.41	102		30	150
			Fluoranthene-d10	0.4	0.39	98		30	150
			2-Fluorophenol	0.4	0.48	120	*	10	92
			Phenol-d6	0.4	0.46	114	*	10	100
			Nitrobenzene-d5	0.4	0.45	113		11	175
			2-Fluorobiphenyl	0.4	0.35	88		10	175
			2,4,6-Tribromophenol	0.4	0.54	134		24	148
			Terphenyl-d14	0.4	0.42	106		54	171

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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: BN040524

Lab Code: CHEM SAS No.: BN040524 SDG NO.: BN040524

Lab File ID: BN030659.D DFTPP Injection Date: 04/04/2024

Instrument ID: BNA_N DFTPP Injection Time: 13:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.7
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48
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	6.9
275	10.0 - 60.0% of mass 198	25.2
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	10.4
442	Greater than 50% of mass 198	70.1
443	15.0 - 24.0% of mass 442	13.4 (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	BN030660.D	04/04/2024	14:37
PB159971BL	PB159971BL	BN030661.D	04/04/2024	15:13
PB159971BS	PB159971BS	BN030662.D	04/04/2024	15:52
PB159971BSD	PB159971BSD	BN030663.D	04/04/2024	16:28
RSB-02-17-040224	P1964-01	BN030664.D	04/04/2024	17:04
EB01-040224	P1964-02	BN030665.D	04/04/2024	17:41
RSB-02-47-040224	P1964-03	BN030666.D	04/04/2024	18:17