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.: BN051424 SAS No.: BN051424 SDG No.: BN051424

Instrument ID: BNA_N Calibration Date/Time: 5/14/2024 12 09:20

Lab File ID: BN031516.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	0.546		-15.349	20.0
Fluoranthene-d10	1.110	0.930		-16.216	20.0
n-Nitrosodimethylamine	0.486	0.529		8.848	20.0
2-Fluorophenol	1.136	0.747		-34.243	20.0
Phenol-d6	1.531	1.046		-31.679	20.0
bis(2-Chloroethyl)ether	1.333	1.204		-9.677	20.0
Nitrobenzene-d5	0.287	0.264		-8.014	20.0
Naphthalene	1.112	1.003		-9.802	20.0
Hexachlorobutadiene	0.195	0.175		-10.256	20.0
2-Methylnaphthalene	0.758	0.619		-18.338	20.0
2-Fluorobiphenyl	1.542	1.528		-0.908	20.0
Acenaphthylene	2.013	1.587		-21.162	20.0
Acenaphthene	1.255	1.138		-9.323	20.0
Fluorene	1.642	1.434		-12.667	20.0
4,6-Dinitro-2-methylphenol	0.033	0.036		9.091	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	0.116		-45.54	20.0
Pentachlorophenol	0.083	0.058		-30.12	20.0
Phenanthrene	1.119	1.064		-4.915	20.0
Anthracene	1.108	0.865		-21.931	20.0
Fluoranthene	1.360	1.169		-14.044	20.0
Pyrene	1.619	1.399		-13.589	20.0
Terphenyl-d14	0.979	0.754		-22.983	20.0
Benzo(a)anthracene	1.543	1.179		-23.59	20.0
Chrysene	1.469	1.336		-9.054	20.0
Bis(2-ethylhexyl)phthalate	0.903	0.403		-55.371	20.0
Benzo(b)fluoranthene	1.436	1.117		-22.214	20.0
Benzo(k)fluoranthene	1.359	1.450		6.696	20.0
Benzo(a)pyrene	1.248	0.964		-22.756	20.0
Indeno(1,2,3-cd)pyrene	1.594	1.363		-14.492	20.0
Dibenzo(a,h)anthracene	1.264	1.079		-14.636	20.0
Benzo(g,h,i)perylene	1.359	1.033		-23.988	20.0
1,4-Dioxane	0.492	0.469		-4.675	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:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160875BL			SDG No.:	BN051424
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
BN031517.D	1	5/13/2024 12:00:00 AM	5/14/2024 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
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:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	PB160875BL			SDG No.:	BN051424
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
BN031517.D	1	5/13/2024 12:00:00 AM	5/14/2024 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	0.26		30-150		65	SPK: -0.4
367-12-4	2-Fluorophenol	0.255		10-92		64	SPK: -0.4
13127-88-3	Phenol-d6	0.256		10-100		64	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.324		11-175		81	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.361		10-175		90	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.133		24-148		33	SPK: -0.4
1718-51-0	Terphenyl-d14	0.319		54-171		80	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	10234	7.704				
1146-65-2	Naphthalene-d8	31108	10.485				
15067-26-2	Acenaphthene-d10	15236	14.338				
1517-22-2	Phenanthrene-d10	34520	17.078				
1719-03-5	Chrysene-d12	23503	21.265				
1520-96-3	Perylene-d12	21309	23.499				

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:	5/10/2024 12:00:00 AM
Project:		Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	RMW-03B-90-051024DL	SDG No.:	BN051424
Lab Sample ID:	P2455-01DL	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
BN031518.D	5	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160875

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.15	U	0.15	1	1	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.14	U	0.14	0.51	0.51	ug/L
91-20-3	Naphthalene	0.12	U	0.12	0.51	0.51	ug/L
87-68-3	Hexachlorobutadiene	0.13	U	0.13	0.51	0.51	ug/L
91-57-6	2-Methylnaphthalene	0.15	U	0.15	0.51	0.51	ug/L
208-96-8	Acenaphthylene	0.11	U	0.11	0.51	0.51	ug/L
83-32-9	Acenaphthene	0.1	U	0.1	0.51	0.51	ug/L
Total PAH	Total PAH	2.3	U	2.3	0.51	8.16	ug/L
86-73-7	Fluorene	0.09	U	0.09	0.51	0.51	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.71	U	0.71	1	1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.13	U	0.13	0.51	0.51	ug/L
118-74-1	Hexachlorobenzene	0.15	U	0.15	0.51	0.51	ug/L
1912-24-9	Atrazine	0.12	U	0.12	0.51	0.51	ug/L
87-86-5	Pentachlorophenol	0.45	U	0.45	1	1	ug/L
85-01-8	Phenanthrene	0.1	U	0.1	0.51	0.51	ug/L
120-12-7	Anthracene	0.12	U	0.12	0.51	0.51	ug/L
206-44-0	Fluoranthene	0.12	U	0.12	0.51	0.51	ug/L
129-00-0	Pyrene	0.11	U	0.11	0.51	0.51	ug/L
56-55-3	Benzo(a)anthracene	0.11	U	0.11	0.51	0.51	ug/L
218-01-9	Chrysene	0.13	U	0.13	0.51	0.51	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.71	U	0.71	1	1	ug/L
205-99-2	Benzo(b)fluoranthene	0.16	U	0.16	0.51	0.51	ug/L
207-08-9	Benzo(k)fluoranthene	0.17	U	0.17	0.51	0.51	ug/L
50-32-8	Benzo(a)pyrene	0.28	U	0.28	0.51	0.51	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.19	U	0.19	0.51	0.51	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.2	U	0.2	0.51	0.51	ug/L
191-24-2	Benzo(g,h,i)perylene	0.19	U	0.19	0.51	0.51	ug/L
123-91-1	1,4-Dioxane	8.5	D	0.34	1	1	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:	5/10/2024 12:00:00 AM
Project:				Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	RMW-03B-90-051024DL			SDG No.:	BN051424
Lab Sample ID:	P2455-01DL			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
BN031518.D	5	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160875

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.215		30-150		54	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.245		30-150		61	SPK: -0.4
367-12-4	2-Fluorophenol	0.09		10-92		23	SPK: -0.4
13127-88-3	Phenol-d6	0.06		10-100		15	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.265		11-175		66	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.305		10-175		76	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.16		24-148		40	SPK: -0.4
1718-51-0	Terphenyl-d14	0.31		54-171		77	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	12478	7.704				
1146-65-2	Naphthalene-d8	39081	10.485				
15067-26-2	Acenaphthene-d10	19390	14.338				
1517-22-2	Phenanthrene-d10	43231	17.078				
1719-03-5	Chrysene-d12	29675	21.265				
1520-96-3	Perylene-d12	24939	23.502				

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:	5/10/2024 12:00:00 AM
Project:				Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	RMW-02B-66-051024DL			SDG No.:	BN051424
Lab Sample ID:	P2455-02DL			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
BN031519.D	5	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160875

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.15	U	0.15	1	1	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.14	U	0.14	0.51	0.51	ug/L
91-20-3	Naphthalene	0.12	U	0.12	0.51	0.51	ug/L
87-68-3	Hexachlorobutadiene	0.13	U	0.13	0.51	0.51	ug/L
91-57-6	2-Methylnaphthalene	0.15	U	0.15	0.51	0.51	ug/L
208-96-8	Acenaphthylene	0.11	U	0.11	0.51	0.51	ug/L
83-32-9	Acenaphthene	0.1	U	0.1	0.51	0.51	ug/L
Total PAH	Total PAH	2.31	U	2.31	0.51	8.16	ug/L
86-73-7	Fluorene	0.09	U	0.09	0.51	0.51	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.71	U	0.71	1	1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.13	U	0.13	0.51	0.51	ug/L
118-74-1	Hexachlorobenzene	0.15	U	0.15	0.51	0.51	ug/L
1912-24-9	Atrazine	0.12	U	0.12	0.51	0.51	ug/L
87-86-5	Pentachlorophenol	0.46	U	0.46	1	1	ug/L
85-01-8	Phenanthrene	0.1	U	0.1	0.51	0.51	ug/L
120-12-7	Anthracene	0.12	U	0.12	0.51	0.51	ug/L
206-44-0	Fluoranthene	0.12	U	0.12	0.51	0.51	ug/L
129-00-0	Pyrene	0.11	U	0.11	0.51	0.51	ug/L
56-55-3	Benzo(a)anthracene	0.11	U	0.11	0.51	0.51	ug/L
218-01-9	Chrysene	0.13	U	0.13	0.51	0.51	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.71	U	0.71	1	1	ug/L
205-99-2	Benzo(b)fluoranthene	0.16	U	0.16	0.51	0.51	ug/L
207-08-9	Benzo(k)fluoranthene	0.17	U	0.17	0.51	0.51	ug/L
50-32-8	Benzo(a)pyrene	0.29	U	0.29	0.51	0.51	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.19	U	0.19	0.51	0.51	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.2	U	0.2	0.51	0.51	ug/L
191-24-2	Benzo(g,h,i)perylene	0.19	U	0.19	0.51	0.51	ug/L
123-91-1	1,4-Dioxane	10.3	D	0.35	1	1	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:	5/10/2024 12:00:00 AM
Project:				Date Received:	5/10/2024 12:00:00 AM
Client Sample ID:	RMW-02B-66-051024DL			SDG No.:	BN051424
Lab Sample ID:	P2455-02DL			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
BN031519.D	5	5/13/2024 12:00:00 AM	5/14/2024 12:00:00 AM	PB160875

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.215		30-150		54	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.255		30-150		64	SPK: -0.4
367-12-4	2-Fluorophenol	0.09		10-92		23	SPK: -0.4
13127-88-3	Phenol-d6	0.055		10-100		14	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.26		11-175		65	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.295		10-175		74	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.17		24-148		43	SPK: -0.4
1718-51-0	Terphenyl-d14	0.31		54-171		77	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	9307	7.704				
1146-65-2	Naphthalene-d8	28915	10.485				
15067-26-2	Acenaphthene-d10	14385	14.338				
1517-22-2	Phenanthrene-d10	32197	17.078				
1719-03-5	Chrysene-d12	23108	21.265				
1520-96-3	Perylene-d12	20894	23.499				

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.: BN051424

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**RMW-03B-90-051024DL**						
P2455-01DL	RMW-03B-90-051024DL Water	1,4-Dioxane	8.500	D	0.34	1	ug/L
		Total Svoc :			**8.50**		
		Total Concentration:			**8.50**		
Client ID :	**RMW-02B-66-051024DL**						
P2455-02DL	RMW-02B-66-051024DL Water	1,4-Dioxane	10.300	D	0.35	1	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.

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.: BN051424 SAS No.: BN051424 SDG NO.: BN051424

EPA Sample No.: SSTDICCC0.4 Date Analyzed: May 14 2024 12:00AM

Lab File ID: BN031448.D Time Analyzed: 09:56

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	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	PB160875BL	10234	7.70	31108	10.49	15236	14.34
02	RMW-03B-90-051024DL	12478	7.70	39081	10.49	19390	14.34
03	RMW-02B-66-051024DL	9307	7.70	28915	10.49	14385	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.

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.: BN051424 SAS No.: BN051424 SDG NO.: BN051424

EPA Sample No.: SSTDCCC0.4 Date Analyzed: May 14 2024 12:00AM

Lab File ID: BN031516.D Time Analyzed: 09:56

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	13470	7.704	41249	10.49	20671	14.33
	UPPER LIMIT	26940	8.204	82498	10.985	41342	14.828
	LOWER LIMIT	6735	7.204	20624.5	9.985	10335.5	13.828
	EPA SAMPLE NO.						
01	PB160875BL	10234	7.70	31108	10.49	15236	14.34
02	RMW-03B-90-051024DL	12478	7.70	39081	10.49	19390	14.34
03	RMW-02B-66-051024DL	9307	7.70	28915	10.49	14385	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.

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.: BN051424 SAS No.: BN051424 SDG NO.: BN051424

EPA Sample No.: SSTDICCC0.4 Date Analyzed: May 14 2024 12:00AM

Lab File ID: BN031448.D Time Analyzed: 09:56

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #		RT #	IS6 (PRY) AREA #		RT #
	12 HOUR STD	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	PB160875BL	34520	17.08	23503	*	21.27	21309	*	23.50
02	RMW-03B-90-051024DL	43231	17.08	29675		21.27	24939	*	23.50
03	RMW-02B-66-051024DL	32197	17.08	23108	*	21.27	20894	*	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.

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.: BN051424 SAS No.: BN051424 SDG NO.: BN051424

EPA Sample No.: SSTDCCC0.4 Date Analyzed: May 14 2024 12:00AM

Lab File ID: BN031516.D Time Analyzed: 09:56

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	44648	17.078	37019	21.265	38523	23.496
	UPPER LIMIT	89296	17.578	74038	21.765	77046	23.996
	LOWER LIMIT	22324	16.578	18509.5	20.765	19261.5	22.996
	EPA SAMPLE NO.						
01	PB160875BL	34520	17.08	23503	21.27	21309	23.50
02	RMW-03B-90-051024DL	43231	17.08	29675	21.27	24939	23.50
03	RMW-02B-66-051024DL	32197	17.08	23108	21.27	20894	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.

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.

PB160875BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN051424 SAS No.: BN051424 SDG NO.: BN051424

Lab File ID: BN031517.D Lab Sample ID: PB160875BL

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

Matrix: (soil/water) Water Date Analyzed: 05/14/2024

Level: (low/med) LOW Time Analyzed: 09:56

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

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

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.: BN051424

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2455-01DL	RMW-03B-90-051(	BN031518.D	2-Methylnaphthalene-d10	0.4	0.22	54		30	150
			Fluoranthene-d10	0.4	0.25	61		30	150
			2-Fluorophenol	0.4	0.09	23		10	92
			Phenol-d6	0.4	0.06	15		10	100
			Nitrobenzene-d5	0.4	0.27	66		11	175
			2-Fluorobiphenyl	0.4	0.31	76		10	175
			2,4,6-Tribromophenol	0.4	0.16	40		24	148
			Terphenyl-d14	0.4	0.31	77		54	171
P2455-02DL	RMW-02B-66-051(	BN031519.D	2-Methylnaphthalene-d10	0.4	0.22	54		30	150
			Fluoranthene-d10	0.4	0.26	64		30	150
			2-Fluorophenol	0.4	0.09	23		10	92
			Phenol-d6	0.4	0.06	14		10	100
			Nitrobenzene-d5	0.4	0.26	65		11	175
			2-Fluorobiphenyl	0.4	0.30	74		10	175
			2,4,6-Tribromophenol	0.4	0.17	43		24	148
			Terphenyl-d14	0.4	0.31	77		54	171
PB160875BL	PB160875BL	BN031517.D	2-Methylnaphthalene-d10	0.4	0.27	68		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	81		11	175
			2-Fluorobiphenyl	0.4	0.36	90		10	175
			2,4,6-Tribromophenol	0.4	0.13	33		24	148
			Terphenyl-d14	0.4	0.32	80		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: BN051424

Lab Code: CHEM SAS No.: BN051424 SDG NO.: BN051424

Lab File ID: BN031515.D DFTPP Injection Date: 05/14/2024

Instrument ID: BNA_N DFTPP Injection Time: 08:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	44.8
68	Less than 2.0% of mass 69	0.8 (1.6) 1
69	Mass 69 relative abundance	47.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	53.7
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	22.7
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	8.3
442	Greater than 50% of mass 198	48.4
443	15.0 - 24.0% of mass 442	9 (18.6) 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	BN031516.D	05/14/2024	09:20
PB160875BL	PB160875BL	BN031517.D	05/14/2024	09:56
RMW-03B-90-051024DL	P2455-01DL	BN031518.D	05/14/2024	10:32
RMW-02B-66-051024DL	P2455-02DL	BN031519.D	05/14/2024	11:09