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.: BN070824 SAS No.: BN070824 SDG No.: BN070824

Instrument ID: BNA_N Calibration Date/Time: 7/8/2024 12: 13:38

Lab File ID: BN032550.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	0.637	0.584		-8.32	20.0
Fluoranthene-d10	1.089	0.993		-8.815	20.0
n-Nitrosodimethylamine	0.465	0.377		-18.925	20.0
2-Fluorophenol	1.137	1.001		-11.961	20.0
Phenol-d6	1.491	1.085		-27.23	20.0
bis(2-Chloroethyl)ether	1.284	0.969		-24.533	20.0
Nitrobenzene-d5	0.332	0.286		-13.855	20.0
Naphthalene	1.077	0.954		-11.421	20.0
Hexachlorobutadiene	0.188	0.206		9.574	20.0
2-Methylnaphthalene	0.736	0.684		-7.065	20.0
2-Fluorobiphenyl	1.517	1.254		-17.337	20.0
Acenaphthylene	1.844	1.484		-19.523	20.0
Acenaphthene	1.187	1.038		-12.553	20.0
Fluorene	1.586	1.390		-12.358	20.0
4,6-Dinitro-2-methylphenol	0.069	0.043		-37.681	20.0
2,4,6-Tribromophenol	0.192	0.183		-4.688	20.0
4-Bromophenyl-phenylether	0.227	0.203		-10.573	20.0
Hexachlorobenzene	0.235	0.226		-3.83	20.0
Atrazine	0.208	0.176		-15.385	20.0
Pentachlorophenol	0.117	0.092		-21.368	20.0
Phenanthrene	1.110	0.987		-11.081	20.0
Anthracene	1.030	0.856		-16.893	20.0
Fluoranthene	1.346	1.234		-8.321	20.0
Pyrene	1.589	1.393		-12.335	20.0
Terphenyl-d14	0.978	0.836		-14.519	20.0
Benzo(a)anthracene	1.507	1.264		-16.125	20.0
Chrysene	1.424	1.225		-13.975	20.0
Bis(2-ethylhexyl)phthalate	1.029	0.979		-4.859	20.0
Benzo(b)fluoranthene	1.458	1.219		-16.392	20.0
Benzo(k)fluoranthene	1.378	1.285		-6.749	20.0
Benzo(a)pyrene	1.258	1.075		-14.547	20.0
Indeno(1,2,3-cd)pyrene	1.492	1.337		-10.389	20.0
Dibenzo(a,h)anthracene	1.176	1.048		-10.884	20.0
Benzo(g,h,i)perylene	1.263	1.149		-9.026	20.0
1,4-Dioxane	0.490	0.437		-10.816	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:	7/3/2024 12:00:00 AM
Project:				Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161896BL			SDG No.:	BN070824
Lab Sample ID:	PB161896BL			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
BN032551.D	1	7/3/2024 12:00:00 AM	7/8/2024 12:00:00 AM	PB161896

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:	7/3/2024 12:00:00 AM
Project:				Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161896BL			SDG No.:	BN070824
Lab Sample ID:	PB161896BL			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
BN032551.D	1	7/3/2024 12:00:00 AM	7/8/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.397		30-150		99	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.364		30-150		91	SPK: -0.4
367-12-4	2-Fluorophenol	0.294		10-92		74	SPK: -0.4
13127-88-3	Phenol-d6	0.323		10-100		81	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.379		11-175		95	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.399		10-175		100	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.202		24-148		50	SPK: -0.4
1718-51-0	Terphenyl-d14	0.417		54-171		104	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3901	7.603				
1146-65-2	Naphthalene-d8	11738	10.41				
15067-26-2	Acenaphthene-d10	6698	14.253				
1517-22-2	Phenanthrene-d10	15792	17.016				
1719-03-5	Chrysene-d12	11180	21.229				
1520-96-3	Perylene-d12	10718	23.44				

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:	7/2/2024 12:00:00 AM
Project:		Date Received:	7/2/2024 12:00:00 AM
Client Sample ID:	GWBR-05-425-458-070224	SDG No.:	BN070824
Lab Sample ID:	P3156-01	Matrix:	Water
Analytical Method:	8270-Modified	% Moisture:	100
Sample Wt/Vol:	100 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
BN032552.D	1	7/3/2024 12:00:00 AM	7/8/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.3	U	0.3	2	2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.28	U	0.28	1	1	ug/L
91-20-3	Naphthalene	0.24	U	0.24	1	1	ug/L
87-68-3	Hexachlorobutadiene	0.26	U	0.26	1	1	ug/L
91-57-6	2-Methylnaphthalene	0.3	U	0.3	1	1	ug/L
208-96-8	Acenaphthylene	0.21	U	0.21	1	1	ug/L
83-32-9	Acenaphthene	0.2	U	0.2	1	1	ug/L
Total PAH	Total PAH	4.56	U	4.56	1	16	ug/L
86-73-7	Fluorene	0.18	U	0.18	1	1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U	1.4	2	2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.26	U	0.26	1	1	ug/L
118-74-1	Hexachlorobenzene	0.29	U	0.29	1	1	ug/L
1912-24-9	Atrazine	0.23	U	0.23	1	1	ug/L
87-86-5	Pentachlorophenol	0.9	U	0.9	2	2	ug/L
85-01-8	Phenanthrene	0.3	J	0.2	1	1	ug/L
120-12-7	Anthracene	0.24	U	0.24	1	1	ug/L
206-44-0	Fluoranthene	0.26	J	0.23	1	1	ug/L
129-00-0	Pyrene	0.51	J	0.22	1	1	ug/L
56-55-3	Benzo(a)anthracene	0.22	J	0.22	1	1	ug/L
218-01-9	Chrysene	0.26	U	0.26	1	1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4		1.4	2	2	ug/L
205-99-2	Benzo(b)fluoranthene	0.32	U	0.32	1	1	ug/L
207-08-9	Benzo(k)fluoranthene	0.34	U	0.34	1	1	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	1	1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.38	U	0.38	1	1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.39	U	0.39	1	1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.37	U	0.37	1	1	ug/L
123-91-1	1,4-Dioxane	2.5		0.68	2	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:	7/2/2024 12:00:00 AM
Project:				Date Received:	7/2/2024 12:00:00 AM
Client Sample ID:	GWBR-05-425-458-070224			SDG No.:	BN070824
Lab Sample ID:	P3156-01			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	100	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
BN032552.D	1	7/3/2024 12:00:00 AM	7/8/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.322		30-150		81	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.338		30-150		84	SPK: -0.4
367-12-4	2-Fluorophenol	0.241		10-92		60	SPK: -0.4
13127-88-3	Phenol-d6	0.212		10-100		53	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.273		11-175		68	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.327		10-175		82	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.312		24-148		78	SPK: -0.4
1718-51-0	Terphenyl-d14	0.303		54-171		76	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	5567	7.588				
1146-65-2	Naphthalene-d8	17703	10.368				
15067-26-2	Acenaphthene-d10	11876	14.231				
1517-22-2	Phenanthrene-d10	20977	16.991				
1719-03-5	Chrysene-d12	15537	21.211				
1520-96-3	Perylene-d12	17312	23.426				

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:	7/2/2024 12:00:00 AM
Project:				Date Received:	7/2/2024 12:00:00 AM
Client Sample ID:	EB-01-070224			SDG No.:	BN070824
Lab Sample ID:	P3156-03			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	740	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
BN032553.D	1	7/3/2024 12:00:00 AM	7/8/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.04	U	0.04	0.27	0.27	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.14	0.14	ug/L
91-20-3	Naphthalene	0.03	U	0.03	0.14	0.14	ug/L
87-68-3	Hexachlorobutadiene	0.04	U	0.04	0.14	0.14	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.14	0.14	ug/L
208-96-8	Acenaphthylene	0.03	U	0.03	0.14	0.14	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.14	0.14	ug/L
Total PAH	Total PAH	0.62	U	0.62	0.14	2.24	ug/L
86-73-7	Fluorene	0.02	U	0.02	0.14	0.14	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	0.19	0.27	0.27	ug/L
101-55-3	4-Bromophenyl-phenylether	0.04	U	0.04	0.14	0.14	ug/L
118-74-1	Hexachlorobenzene	0.04	U	0.04	0.14	0.14	ug/L
1912-24-9	Atrazine	0.03	U	0.03	0.14	0.14	ug/L
87-86-5	Pentachlorophenol	0.12	U	0.12	0.27	0.27	ug/L
85-01-8	Phenanthrene	0.03	U	0.03	0.14	0.14	ug/L
120-12-7	Anthracene	0.03	U	0.03	0.14	0.14	ug/L
206-44-0	Fluoranthene	0.03	U	0.03	0.14	0.14	ug/L
129-00-0	Pyrene	0.03	U	0.03	0.14	0.14	ug/L
56-55-3	Benzo(a)anthracene	0.03	U	0.03	0.14	0.14	ug/L
218-01-9	Chrysene	0.04	U	0.04	0.14	0.14	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.19	U	0.19	0.27	0.27	ug/L
205-99-2	Benzo(b)fluoranthene	0.04	U	0.04	0.14	0.14	ug/L
207-08-9	Benzo(k)fluoranthene	0.05	U	0.05	0.14	0.14	ug/L
50-32-8	Benzo(a)pyrene	0.08	U	0.08	0.14	0.14	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.05	U	0.05	0.14	0.14	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.05	0.14	0.14	ug/L
191-24-2	Benzo(g,h,i)perylene	0.05	U	0.05	0.14	0.14	ug/L
123-91-1	1,4-Dioxane	0.16	J	0.09	0.27	0.27	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:	7/2/2024 12:00:00 AM
Project:				Date Received:	7/2/2024 12:00:00 AM
Client Sample ID:	EB-01-070224			SDG No.:	BN070824
Lab Sample ID:	P3156-03			Matrix:	Water
Analytical Method:	8270-Modified			% Moisture:	100
Sample Wt/Vol:	740	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
BN032553.D	1	7/3/2024 12:00:00 AM	7/8/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.35		30-150		88	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.418		30-150		104	SPK: -0.4
367-12-4	2-Fluorophenol	0.161		10-92		40	SPK: -0.4
13127-88-3	Phenol-d6	0.09		10-100		23	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.345		11-175		86	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.349		10-175		87	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.318		24-148		79	SPK: -0.4
1718-51-0	Terphenyl-d14	0.419		54-171		105	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3375	7.595				
1146-65-2	Naphthalene-d8	10451	10.378				
15067-26-2	Acenaphthene-d10	6584	14.242				
1517-22-2	Phenanthrene-d10	13876	17.016				
1719-03-5	Chrysene-d12	12148	21.22				
1520-96-3	Perylene-d12	7391	23.443				

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:	7/3/2024 12:00:00 AM
Project:				Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161896BS			SDG No.:	BN070824
Lab Sample ID:	PB161896BS			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
BN032554.D	1	7/3/2024 12:00:00 AM	7/8/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.3		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.2		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	0.44		0.03	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.32		0.03	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.3		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.34		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.54		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	0.28		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	0.41		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.27		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.35		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.33		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	0.34		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.37		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	0.42		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.37		0.14	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.3		0.03	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.4		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.35		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.35		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.35		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.36		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:	7/3/2024 12:00:00 AM
Project:				Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161896BS			SDG No.:	BN070824
Lab Sample ID:	PB161896BS			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
BN032554.D	1	7/3/2024 12:00:00 AM	7/8/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.323		30-150		81	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.338		30-150		84	SPK: -0.4
367-12-4	2-Fluorophenol	0.33		10-92		83	SPK: -0.4
13127-88-3	Phenol-d6	0.284		10-100		71	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.343		11-175		86	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.353		10-175		88	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.325		24-148		81	SPK: -0.4
1718-51-0	Terphenyl-d14	0.347		54-171		87	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	4465	7.588				
1146-65-2	Naphthalene-d8	13062	10.368				
15067-26-2	Acenaphthene-d10	9394	14.231				
1517-22-2	Phenanthrene-d10	20224	17.004				
1719-03-5	Chrysene-d12	16468	21.211				
1520-96-3	Perylene-d12	17111	23.432				

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:	7/3/2024 12:00:00 AM
Project:				Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161896BSD			SDG No.:	BN070824
Lab Sample ID:	PB161896BSD			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
BN032555.D	1	7/3/2024 12:00:00 AM	7/8/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.28		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.18		0.03	0.1	0.1	ug/L
91-20-3	Naphthalene	0.41		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.44		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	0.29		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.34		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.53		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	0.28		0.14	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.33		0.03	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.4		0.03	0.1	0.1	ug/L
1912-24-9	Atrazine	0.28		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.35		0.09	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.33		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	0.35		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.37		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	0.42		0.03	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.33		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	0.41		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.35		0.06	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.33		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.33		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.34		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:	7/3/2024 12:00:00 AM
Project:				Date Received:	7/3/2024 12:00:00 AM
Client Sample ID:	PB161896BSD			SDG No.:	BN070824
Lab Sample ID:	PB161896BSD			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
BN032555.D	1	7/3/2024 12:00:00 AM	7/8/2024 12:00:00 AM	PB161896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.327		30-150		82	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.345		30-150		86	SPK: -0.4
367-12-4	2-Fluorophenol	0.338		10-92		84	SPK: -0.4
13127-88-3	Phenol-d6	0.314		10-100		79	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.345		11-175		86	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.355		10-175		89	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.327		24-148		82	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	4462	7.588				
1146-65-2	Naphthalene-d8	13141	10.368				
15067-26-2	Acenaphthene-d10	9802	14.231				
1517-22-2	Phenanthrene-d10	21800	17.004				
1719-03-5	Chrysene-d12	18243	21.211				
1520-96-3	Perylene-d12	18298	23.434				

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.: BN070824

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : GWBR-05-425-458-070224							
P3156-01	GWBR-05-425-458-0702 Water	1,4-Dioxane	2.500		0.68	2	ug/L
P3156-01	GWBR-05-425-458-0702 Water	Benzo(a)anthracene	0.220	J	0.22	1	ug/L
P3156-01	GWBR-05-425-458-0702 Water	Bis(2-ethylhexyl)phthalate	4.000		1.4	2	ug/L
P3156-01	GWBR-05-425-458-0702 Water	Fluoranthene	0.260	J	0.23	1	ug/L
P3156-01	GWBR-05-425-458-0702 Water	Phenanthrene	0.300	J	0.2	1	ug/L
P3156-01	GWBR-05-425-458-0702 Water	Pyrene	0.510	J	0.22	1	ug/L
		Total Svoc :	**7.79**				
		Total Concentration:	**7.79**				
Client ID : EB-01-070224							
P3156-03	EB-01-070224 Water	1,4-Dioxane	0.160	J	0.09	0.27	ug/L
		Total Svoc :	**0.16**				
		Total Concentration:	**0.16**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN061024 SAS No.: BN061024 SDG No.: BN061024

Instrument ID: Calibration Date(s): 6/10/2024

Calibration Time(s): 11:22

LAB FILE ID: RRF0.1 = BN031872.D RRF0.2 = BN031873.D RRF0.4 = BN031874.D
RRF0.8 = BN031875.D RRF1.6 = BN031876.D RRF3.2 = BN031877.D

COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.626	0.649	0.555	0.644	0.681	0.655	0.637	6.2
Fluoranthene-d10	1.071	1.077	0.932	1.123	1.177	1.116	1.089	7.1
n-Nitrosodimethylamine	0.464	0.486	0.400	0.466	0.499	0.480	0.465	6.9
2-Fluorophenol	1.150	1.201	0.999	1.122	1.212	1.162	1.137	6.2
Phenol-d6	1.459	1.537	1.289	1.469	1.605	1.559	1.491	6.9
bis(2-Chloroethyl)ether	1.278	1.352	1.115	1.284	1.370	1.315	1.284	6.5
Nitrobenzene-d5	0.330	0.338	0.287	0.327	0.353	0.349	0.332	6.7
Naphthalene	1.064	1.114	0.941	1.073	1.145	1.112	1.077	6.1
Hexachlorobutadiene	0.195	0.197	0.165	0.186	0.198	0.191	0.188	6.0
2-Methylnaphthalene	0.735	0.756	0.644	0.743	0.785	0.751	0.736	6.0
2-Fluorobiphenyl	1.528	1.560	1.307	1.492	1.621	1.579	1.517	6.7
Acenaphthylene	1.753	1.814	1.539	1.814	2.006	2.006	1.844	9.2
Acenaphthene	1.155	1.210	1.019	1.175	1.276	1.247	1.187	7.1
Fluorene	1.564	1.614	1.366	1.587	1.703	1.641	1.586	6.7
4,6-Dinitro-2-methylphenol		0.044	0.043	0.059	0.078	0.091	0.069	34.3
2,4,6-Tribromophenol	0.190	0.182	0.155	0.186	0.204	0.211	0.192	10.8
4-Bromophenyl-phenylether	0.227	0.234	0.192	0.224	0.241	0.238	0.227	7.2
Hexachlorobenzene	0.231	0.240	0.202	0.234	0.254	0.244	0.235	7.0
Atrazine	0.214	0.205	0.175	0.211	0.222	0.217	0.208	7.4
Pentachlorophenol		0.094	0.082	0.108	0.130	0.140	0.117	22.1
Phenanthrene	1.112	1.127	0.944	1.096	1.200	1.150	1.110	7.2
Anthracene	0.989	1.019	0.855	1.033	1.118	1.100	1.030	8.8
Fluoranthene	1.379	1.391	1.147	1.379	1.446	1.348	1.346	7.0
Pyrene	1.607	1.748	1.328	1.522	1.651	1.695	1.589	8.7
Terphenyl-d14	1.042	1.067	0.811	0.951	1.006	1.018	0.978	8.7
Benzo(a)anthracene	1.555	1.575	1.245	1.482	1.587	1.565	1.507	8.0
Chrysene	1.461	1.489	1.200	1.421	1.512	1.447	1.424	7.3
Bis(2-ethylhexyl)phthalate		1.117	0.861	1.042	1.091	0.975	1.029	9.3
Benzo(b)fluoranthene	1.496	1.537	1.232	1.430	1.539	1.538	1.458	7.6
Benzo(k)fluoranthene	1.430	1.477	1.154	1.362	1.445	1.436	1.378	7.9
Benzo(a)pyrene	1.301	1.326	1.043	1.243	1.335	1.299	1.258	8.0
Indeno(1,2,3-cd)pyrene	1.535	1.568	1.196	1.532	1.612	1.460	1.492	9.3
Dibenzo(a,h)anthracene	1.205	1.242	0.940	1.205	1.267	1.156	1.176	9.3
Benzo(g,h,i)perylene	1.298	1.323	1.007	1.299	1.363	1.231	1.263	9.5
1,4-Dioxane	0.579	0.544	0.426	0.467	0.494	0.469	0.490	11.1

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.: BN070824 SAS No.: BN070824 SDG NO.: BN070824

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jul 8 2024 12:00AM

Lab File ID: BN031874.D Time Analyzed: 14:55

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	10703		7.675	35162		10.45	22532		14.32
	UPPER LIMIT	21406		8.175	70324		10.953	45064		14.817
	LOWER LIMIT	5351.5		7.175	17581		9.953	11266		13.817
	EPA SAMPLE NO.									
01	PB161896BL	3901	*	7.60	11738	*	10.41	6698	*	14.25
02	GWBR-05-425-458-070224	5567		7.59	17703		10.37	11876		14.23
03	EB-01-070224	3375	*	7.60	10451	*	10.38	6584	*	14.24
04	PB161896BS	4465	*	7.59	13062	*	10.37	9394	*	14.23
05	PB161896BSD	4462	*	7.59	13141	*	10.37	9802	*	14.23

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.: BN070824 SAS No.: BN070824 SDG NO.: BN070824

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 8 2024 12:00AM

Lab File ID: BN032550.D Time Analyzed: 14:55

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	7404		7.581	22978		10.36	17483		14.22
	UPPER LIMIT	14808		8.081	45956		10.857	34966		14.721
	LOWER LIMIT	3702		7.081	11489		9.857	8741.5		13.721
	EPA SAMPLE NO.									
01	PB161896BL	3901		7.60	11738		10.41	6698	*	14.25
02	GWBR-05-425-458-070224	5567		7.59	17703		10.37	11876		14.23
03	EB-01-070224	3375	*	7.60	10451	*	10.38	6584	*	14.24
04	PB161896BS	4465		7.59	13062		10.37	9394		14.23
05	PB161896BSD	4462		7.59	13141		10.37	9802		14.23

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.: BN070824 SAS No.: BN070824 SDG NO.: BN070824

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jul 8 2024 12:00AM

Lab File ID: BN031874.D Time Analyzed: 14:55

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	52345		17.066	47014		21.265	48380		23.502
	UPPER LIMIT	104690		17.566	94028		21.765	96760		24.002
	LOWER LIMIT	26172.5		16.566	23507		20.765	24190		23.002
	EPA SAMPLE NO.									
01	PB161896BL	15792	*	17.02	11180	*	21.23	10718	*	23.44
02	GWBR-05-425-458-070224	20977	*	16.99	15537	*	21.21	17312	*	23.43
03	EB-01-070224	13876	*	17.02	12148	*	21.22	7391	*	23.44
04	PB161896BS	20224	*	17.00	16468	*	21.21	17111	*	23.43
05	PB161896BSD	21800	*	17.00	18243	*	21.21	18298	*	23.43

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.: BN070824 SAS No.: BN070824 SDG NO.: BN070824

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 8 2024 12:00AM

Lab File ID: BN032550.D Time Analyzed: 14:55

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	40460		16.991	37573		21.202	41341		23.42
	UPPER LIMIT	80920		17.491	75146		21.702	82682		23.92
	LOWER LIMIT	20230		16.491	18786.5		20.702	20670.5		22.92
	EPA SAMPLE NO.									
01	PB161896BL	15792	*	17.02	11180	*	21.23	10718	*	23.44
02	GWBR-05-425-458-070224	20977		16.99	15537	*	21.21	17312	*	23.43
03	EB-01-070224	13876	*	17.02	12148	*	21.22	7391	*	23.44
04	PB161896BS	20224	*	17.00	16468	*	21.21	17111	*	23.43
05	PB161896BSD	21800		17.00	18243	*	21.21	18298	*	23.43

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.: BN070824

Client:

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB161896BS	n-Nitrosodimethylamine	0.4	0.3	ug/L	75				33	130	
	bis(2-Chloroethyl)ether	0.4	0.2	ug/L	50		*		55	118	
	Naphthalene	0.4	0.39	ug/L	98				67	120	
	Hexachlorobutadiene	0.4	0.44	ug/L	110				33	114	
	2-Methylnaphthalene	0.4	0.32	ug/L	80				50	122	
	Acenaphthylene	0.4	0.3	ug/L	75				60	119	
	Acenaphthene	0.4	0.34	ug/L	85				65	119	
	Total PAH	6.4	5.54	ug/L	87				65	119	
	Fluorene	0.4	0.33	ug/L	83				58	122	
	4,6-Dinitro-2-methylphenol	0.4	0.28	ug/L	70				20	150	
	4-Bromophenyl-phenylether	0.4	0.34	ug/L	85				20	150	
	Hexachlorobenzene	0.4	0.41	ug/L	103				62	127	
	Atrazine	0.4	0.27	ug/L	68				20	150	
	Pentachlorophenol	0.8	0.35	ug/L	44				10	137	
	Phenanthrene	0.4	0.33	ug/L	83				65	117	
	Anthracene	0.4	0.3	ug/L	75				57	118	
	Fluoranthene	0.4	0.34	ug/L	85				53	126	
	Pyrene	0.4	0.37	ug/L	93				54	124	
	Benzo(a)anthracene	0.4	0.31	ug/L	78				54	130	
	Chrysene	0.4	0.42	ug/L	105				64	126	
	bis(2-Ethylhexyl)phthalate	0.4	0.37	ug/L	93				40	137	
	Benzo(b)fluoranthene	0.4	0.3	ug/L	75				65	121	
	Benzo(k)fluoranthene	0.4	0.4	ug/L	100				72	119	
	Benzo(a)pyrene	0.4	0.35	ug/L	88				68	120	
	Indeno(1,2,3-cd)pyrene	0.4	0.35	ug/L	88				70	127	
	Dibenz(a,h)anthracene	0.4	0.35	ug/L	88				65	121	
	Benzo(g,h,i)perylene	0.4	0.36	ug/L	90				76	117	
	1,4-Dioxane	0.4	0.38	ug/L	95				60	132	
PB161896BSD	n-Nitrosodimethylamine	0.4	0.28	ug/L	70				33	130	20
	bis(2-Chloroethyl)ether	0.4	0.18	ug/L	45		*		55	118	20
	Naphthalene	0.4	0.41	ug/L	103				67	120	20
	Hexachlorobutadiene	0.4	0.44	ug/L	110				33	114	20
	2-Methylnaphthalene	0.4	0.33	ug/L	83				50	122	20
	Acenaphthylene	0.4	0.29	ug/L	73				60	119	20
	Acenaphthene	0.4	0.34	ug/L	85				65	119	20
	Total PAH	6.4	5.53	ug/L	86				65	119	20
	Fluorene	0.4	0.34	ug/L	85				58	122	20
	4,6-Dinitro-2-methylphenol	0.4	0.28	ug/L	70				20	150	20
	4-Bromophenyl-phenylether	0.4	0.33	ug/L	83				20	150	20
	Hexachlorobenzene	0.4	0.4	ug/L	100				62	127	20
	Atrazine	0.4	0.28	ug/L	70				20	150	20
	Pentachlorophenol	0.8	0.35	ug/L	44				10	137	20
	Phenanthrene	0.4	0.33	ug/L	83				65	117	20
	Anthracene	0.4	0.3	ug/L	75				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.: BN070824

Client:

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB161896BSD	Fluoranthene	0.4	0.35	ug/L	88				53	126	20
	Pyrene	0.4	0.37	ug/L	93				54	124	20
	Benzo(a)anthracene	0.4	0.31	ug/L	78				54	130	20
	Chrysene	0.4	0.42	ug/L	105				64	126	20
	bis(2-Ethylhexyl)phthalate	0.4	0.33	ug/L	83				40	137	20
	Benzo(b)fluoranthene	0.4	0.31	ug/L	78				65	121	20
	Benzo(k)fluoranthene	0.4	0.41	ug/L	103				72	119	20
	Benzo(a)pyrene	0.4	0.35	ug/L	88				68	120	20
	Indeno(1,2,3-cd)pyrene	0.4	0.33	ug/L	83				70	127	20
	Dibenz(a,h)anthracene	0.4	0.33	ug/L	83				65	121	20
	Benzo(g,h,i)perylene	0.4	0.34	ug/L	85				76	117	20
	1,4-Dioxane	0.4	0.37	ug/L	93				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.

PB161896BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN070824 SAS No.: BN070824 SDG NO.: BN070824

Lab File ID: BN032551.D Lab Sample ID: PB161896BL

Instrument ID: BNA_N Date Extracted: 07/03/2024

Matrix: (soil/water) Water Date Analyzed: 07/08/2024

Level: (low/med) LOW Time Analyzed: 14:55

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
GWBR-05-425-458-070224	P3156-01	BN032552.D	07/08/2024
EB-01-070224	P3156-03	BN032553.D	07/08/2024
PB161896BS	PB161896BS	BN032554.D	07/08/2024
PB161896BSD	PB161896BSD	BN032555.D	07/08/2024

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.: BN070824

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
P3156-01	GWBR-05-425-458	BN032552.D	2-Methylnaphthalene-d10	0.4	0.32	81		30	150
			Fluoranthene-d10	0.4	0.34	84		30	150
			2-Fluorophenol	0.4	0.24	60		10	92
			Phenol-d6	0.4	0.21	53		10	100
			Nitrobenzene-d5	0.4	0.27	68		11	175
			2-Fluorobiphenyl	0.4	0.33	82		10	175
			2,4,6-Tribromophenol	0.4	0.31	78		24	148
			Terphenyl-d14	0.4	0.30	76		54	171
P3156-03	EB-01-070224	BN032553.D	2-Methylnaphthalene-d10	0.4	0.35	88		30	150
			Fluoranthene-d10	0.4	0.42	104		30	150
			2-Fluorophenol	0.4	0.16	40		10	92
			Phenol-d6	0.4	0.09	23		10	100
			Nitrobenzene-d5	0.4	0.35	86		11	175
			2-Fluorobiphenyl	0.4	0.35	87		10	175
			2,4,6-Tribromophenol	0.4	0.32	79		24	148
			Terphenyl-d14	0.4	0.42	105		54	171
PB161896BL	PB161896BL	BN032551.D	2-Methylnaphthalene-d10	0.4	0.40	99		30	150
			Fluoranthene-d10	0.4	0.36	91		30	150
			2-Fluorophenol	0.4	0.29	74		10	92
			Phenol-d6	0.4	0.32	81		10	100
			Nitrobenzene-d5	0.4	0.38	95		11	175
			2-Fluorobiphenyl	0.4	0.40	100		10	175
			2,4,6-Tribromophenol	0.4	0.20	50		24	148
			Terphenyl-d14	0.4	0.42	104		54	171
PB161896BS	PB161896BS	BN032554.D	2-Methylnaphthalene-d10	0.4	0.32	81		30	150
			Fluoranthene-d10	0.4	0.34	84		30	150
			2-Fluorophenol	0.4	0.33	83		10	92
			Phenol-d6	0.4	0.28	71		10	100
			Nitrobenzene-d5	0.4	0.34	86		11	175
			2-Fluorobiphenyl	0.4	0.35	88		10	175
			2,4,6-Tribromophenol	0.4	0.33	81		24	148
			Terphenyl-d14	0.4	0.35	87		54	171
PB161896BSD	PB161896BSD	BN032555.D	2-Methylnaphthalene-d10	0.4	0.33	82		30	150
			Fluoranthene-d10	0.4	0.35	86		30	150
			2-Fluorophenol	0.4	0.34	84		10	92
			Phenol-d6	0.4	0.31	79		10	100
			Nitrobenzene-d5	0.4	0.35	86		11	175
			2-Fluorobiphenyl	0.4	0.36	89		10	175
			2,4,6-Tribromophenol	0.4	0.33	82		24	148
			Terphenyl-d14	0.4	0.35	86		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: BN070824

Lab Code: CHEM SAS No.: BN070824 SDG NO.: BN070824

Lab File ID: BN032549.D DFTPP Injection Date: 07/08/2024

Instrument ID: BNA_N DFTPP Injection Time: 10:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.1
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	31.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	43.6
197	Less than 2.0% of mass 198	0.1
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	29
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12.3
442	Greater than 50% of mass 198	82.7
443	15.0 - 24.0% of mass 442	15.3 (18.5) 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	BN032550.D	07/08/2024	13:38
PB161896BL	PB161896BL	BN032551.D	07/08/2024	14:55
GWBR-05-425-458-070224	P3156-01	BN032552.D	07/08/2024	15:32
EB-01-070224	P3156-03	BN032553.D	07/08/2024	16:08
PB161896BS	PB161896BS	BN032554.D	07/08/2024	16:44
PB161896BSD	PB161896BSD	BN032555.D	07/08/2024	17:20