CHEMTECH

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN022724 SAS No.: BN022724 SDG No.: BN022724

Instrument ID: BNA_N Calibration Date/Time: 2/27/2024 1: 09:51

Lab File ID: BN030087.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	0.545	0.521		-4.404	20.0
Fluoranthene-d10	0.969	1.052		8.566	20.0
n-Nitrosodimethylamine	0.459	0.519		13.072	20.0
2-Fluorophenol	0.961	1.016		5.723	20.0
Phenol-d6	1.109	1.085		-2.164	20.0
bis(2-Chloroethyl)ether	1.058	1.087		2.741	20.0
Nitrobenzene-d5	0.333	0.337		1.201	20.0
Naphthalene	1.140	1.127		-1.14	20.0
Hexachlorobutadiene	0.216	0.229		6.019	20.0
2-Methylnaphthalene	0.669	0.637		-4.783	20.0
2-Fluorobiphenyl	1.717	1.579		-8.037	20.0
Acenaphthylene	1.900	1.673		-11.947	20.0
Acenaphthene	1.275	1.262		-1.02	20.0
Fluorene	1.599	1.509		-5.629	20.0
4,6-Dinitro-2-methylphenol	0.059	0.039		-33.898	20.0
2,4,6-Tribromophenol	0.128	0.138		7.813	20.0
4-Bromophenyl-phenylether	0.238	0.222		-6.723	20.0
Hexachlorobenzene	0.292	0.292		0.0	20.0
Atrazine	0.169	0.163		-3.55	20.0
Pentachlorophenol	0.093	0.099		6.452	20.0
Phenanthrene	1.183	1.102		-6.847	20.0
Anthracene	1.008	0.911		-9.623	20.0
Fluoranthene	1.330	1.371		3.083	20.0
Pyrene	1.841	1.778		-3.422	20.0
Terphenyl-d14	0.993	0.936		-5.74	20.0
Benzo(a)anthracene	1.367	1.279		-6.437	20.0
Chrysene	1.553	1.572		1.223	20.0
Bis(2-ethylhexyl)phthalate	0.931	0.911		-2.148	20.0
Benzo(b)fluoranthene	1.430	1.379		-3.566	20.0
Benzo(k)fluoranthene	1.497	1.515		1.202	20.0
Benzo(a)pyrene	1.247	1.234		-1.043	20.0
Indeno(1,2,3-cd)pyrene	1.608	1.586		-1.368	20.0
Dibenzo(a,h)anthracene	1.280	1.209		-5.547	20.0
Benzo(g,h,i)perylene	1.559	1.459		-6.414	20.0
1,4-Dioxane	0.563	0.543		-3.552	20.0

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN022724 SAS No.: BN022724 SDG No.: BN022724

Instrument ID: BNA_N Calibration Date/Time: 2/27/2024 1: 17:08

Lab File ID: BN030095.D Init. Calib. Date(s):

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

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.545	0.527		-3.303	50.0
Fluoranthene-d10	0.969	1.060		9.391	50.0
n-Nitrosodimethylamine	0.459	0.487		6.1	50.0
2-Fluorophenol	0.961	1.023		6.452	50.0
Phenol-d6	1.109	1.101		-0.721	50.0
bis(2-Chloroethyl)ether	1.058	1.089		2.93	50.0
Nitrobenzene-d5	0.333	0.340		2.102	50.0
Naphthalene	1.140	1.126		-1.228	50.0
Hexachlorobutadiene	0.216	0.227		5.093	50.0
2-Methylnaphthalene	0.669	0.637		-4.783	50.0
2-Fluorobiphenyl	1.717	1.601		-6.756	50.0
Acenaphthylene	1.900	1.713		-9.842	50.0
Acenaphthene	1.275	1.273		-0.157	50.0
Fluorene	1.599	1.547		-3.252	50.0
4,6-Dinitro-2-methylphenol	0.059	0.042		-28.814	50.0
2,4,6-Tribromophenol	0.128	0.135		5.469	50.0
4-Bromophenyl-phenylether	0.238	0.221		-7.143	50.0
Hexachlorobenzene	0.292	0.289		-1.027	50.0
Atrazine	0.169	0.167		-1.183	50.0
Pentachlorophenol	0.093	0.093		0.0	50.0
Phenanthrene	1.183	1.127		-4.734	50.0
Anthracene	1.008	0.911		-9.623	50.0
Fluoranthene	1.330	1.381		3.835	50.0
Pyrene	1.841	1.757		-4.563	50.0
Terphenyl-d14	0.993	0.919		-7.452	50.0
Benzo(a)anthracene	1.367	1.266		-7.388	50.0
Chrysene	1.553	1.618		4.185	50.0
Bis(2-ethylhexyl)phthalate	0.931	0.946		1.611	50.0
Benzo(b)fluoranthene	1.430	1.352		-5.455	50.0
Benzo(k)fluoranthene	1.497	1.519		1.47	50.0
Benzo(a)pyrene	1.247	1.209		-3.047	50.0
Indeno(1,2,3-cd)pyrene	1.608	1.489		-7.4	50.0
Dibenzo(a,h)anthracene	1.280	1.229		-3.984	50.0
Benzo(g,h,i)perylene	1.559	1.499		-3.849	50.0
1,4-Dioxane	0.563	0.544		-3.375	50.0

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:				Date Collected:	2/23/2024 12:00:00 AM
Project:				Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	PB159230BL			SDG No.:	BN022724
Lab Sample ID:	PB159230BL			Matrix:	Solid
Analytical Method:	8270-Modified			% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g	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
BN030088.D	1	2/23/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1.7	U	1.7	6.6	6.6	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	0.79	U	0.79	3.3	3.3	ug/Kg
91-20-3	Naphthalene	0.72	U	0.72	3.3	3.3	ug/Kg
87-68-3	Hexachlorobutadiene	0.43	U	0.43	3.3	3.3	ug/Kg
91-57-6	2-Methylnaphthalene	0.8	U	0.8	3.3	3.3	ug/Kg
208-96-8	Acenaphthylene	0.61	U	0.61	3.3	3.3	ug/Kg
83-32-9	Acenaphthene	0.53	U	0.53	3.3	3.3	ug/Kg
Total PAH	Total PAH	12.81	U	12.81	3.3	52.8	ug/Kg
86-73-7	Fluorene	0.53	U	0.53	3.3	3.3	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1.1	U	1.1	6.6	6.6	ug/Kg
101-55-3	4-Bromophenyl-phenylether	0.74	U	0.74	3.3	3.3	ug/Kg
118-74-1	Hexachlorobenzene	0.85	U	0.85	3.3	3.3	ug/Kg
1912-24-9	Atrazine	0.49	U	0.49	3.3	3.3	ug/Kg
87-86-5	Pentachlorophenol	1.6	U	1.6	6.6	6.6	ug/Kg
85-01-8	Phenanthrene	0.63	U	0.63	3.3	3.3	ug/Kg
120-12-7	Anthracene	0.69	U	0.69	3.3	3.3	ug/Kg
206-44-0	Fluoranthene	0.56	U	0.56	3.3	3.3	ug/Kg
129-00-0	Pyrene	1.2	U	1.2	3.3	3.3	ug/Kg
56-55-3	Benzo(a)anthracene	0.76	U	0.76	3.3	3.3	ug/Kg
218-01-9	Chrysene	0.72	U	0.72	3.3	3.3	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1.5	U	1.5	6.6	6.6	ug/Kg
205-99-2	Benzo(b)fluoranthene	0.88	U	0.88	3.3	3.3	ug/Kg
207-08-9	Benzo(k)fluoranthene	0.73	U	0.73	3.3	3.3	ug/Kg
50-32-8	Benzo(a)pyrene	0.75	U	0.75	3.3	3.3	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.4	U	1.4	3.3	3.3	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1.1	U	1.1	3.3	3.3	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1	U	1	3.3	3.3	ug/Kg
123-91-1	1,4-Dioxane	1.7	U	1.7	6.6	6.6	ug/Kg
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.353		21-128		88	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.474		13-127		118	SPK: -0.4

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Report of Analysis

Client:				Date Collected:	2/23/2024 12:00:00 AM
Project:				Date Received:	2/23/2024 12:00:00 AM
Client Sample ID:	PB159230BL			SDG No.:	BN022724
Lab Sample ID:	PB159230BL			Matrix:	Solid
Analytical Method:	8270-Modified			% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g	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
BN030088.D	1	2/23/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159230

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.438		28-122		109	SPK: -0.4
13127-88-3	Phenol-d6	0.351		12-126		88	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.417		14-112		104	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.328		22-114		82	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.333		10-137		83	SPK: -0.4
1718-51-0	Terphenyl-d14	0.415		21-130		104	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3270	7.854				
1146-65-2	Naphthalene-d8	7850	10.658				
15067-26-2	Acenaphthene-d10	3295	14.511				
1517-22-2	Phenanthrene-d10	5776	17.293				
1719-03-5	Chrysene-d12	4789	21.474				
1520-96-3	Perylene-d12	4509	23.832				

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Report of Analysis

Client:		Date Collected:	2/22/2024 12:00:00 AM
Project:		Date Received:	2/22/2024 12:00:00 AM
Client Sample ID:	RE115D1-20240222DL	SDG No.:	BN022724
Lab Sample ID:	P1578-05DL	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
BN030089.D	2	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.06	U	0.06	0.4	0.4	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.2	0.2	ug/L
91-20-3	Naphthalene	0.04	U	0.04	0.2	0.2	ug/L
87-68-3	Hexachlorobutadiene	0.04	U	0.04	0.2	0.2	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.2	0.2	ug/L
208-96-8	Acenaphthylene	0.04	U	0.04	0.2	0.2	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.2	0.2	ug/L
Total PAH	Total PAH	4.33	UD	0.79	0.2	3.2	ug/L
86-73-7	Fluorene	0.03	U	0.03	0.2	0.2	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.15	U	0.15	0.4	0.4	ug/L
101-55-3	4-Bromophenyl-phenylether	0.04	U	0.04	0.2	0.2	ug/L
118-74-1	Hexachlorobenzene	0.05	U	0.05	0.2	0.2	ug/L
1912-24-9	Atrazine	0.04	U	0.04	0.2	0.2	ug/L
87-86-5	Pentachlorophenol	0.12	U	0.12	0.4	0.4	ug/L
85-01-8	Phenanthrene	0.15	JD	0.04	0.2	0.2	ug/L
120-12-7	Anthracene	0.13	JD	0.04	0.2	0.2	ug/L
206-44-0	Fluoranthene	0.37	D	0.04	0.2	0.2	ug/L
129-00-0	Pyrene	0.34	D	0.05	0.2	0.2	ug/L
56-55-3	Benzo(a)anthracene	0.32	D	0.05	0.2	0.2	ug/L
218-01-9	Chrysene	0.5	D	0.04	0.2	0.2	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.16	U	0.16	0.4	0.4	ug/L
205-99-2	Benzo(b)fluoranthene	0.42	D	0.05	0.2	0.2	ug/L
207-08-9	Benzo(k)fluoranthene	0.45	D	0.05	0.2	0.2	ug/L
50-32-8	Benzo(a)pyrene	0.34	D	0.07	0.2	0.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.45	D	0.08	0.2	0.2	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.45	D	0.08	0.2	0.2	ug/L
191-24-2	Benzo(g,h,i)perylene	0.41	D	0.06	0.2	0.2	ug/L
123-91-1	1,4-Dioxane	5.2	D	0.12	0.4	0.4	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.358		30-150		90	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.492		30-150		123	SPK: -0.4

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Report of Analysis

Client:				Date Collected:	2/22/2024 12:00:00 AM
Project:				Date Received:	2/22/2024 12:00:00 AM
Client Sample ID:	RE115D1-20240222DL			SDG No.:	BN022724
Lab Sample ID:	P1578-05DL			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
BN030089.D	2	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.156		10-92		39	SPK: -0.4
13127-88-3	Phenol-d6	0.068		10-100		17	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.39		11-175		97	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.362		10-175		90	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.402		24-148		100	SPK: -0.4
1718-51-0	Terphenyl-d14	0.466		54-171		116	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2959	7.854				
1146-65-2	Naphthalene-d8	7680	10.648				
15067-26-2	Acenaphthene-d10	3440	14.5				
1517-22-2	Phenanthrene-d10	7226	17.255				
1719-03-5	Chrysene-d12	5501	21.456				
1520-96-3	Perylene-d12	5264	23.818				

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Report of Analysis

Client:		Date Collected:	2/22/2024 12:00:00 AM
Project:		Date Received:	2/22/2024 12:00:00 AM
Client Sample ID:	RE115D2-20240222DL	SDG No.:	BN022724
Lab Sample ID:	P1578-06DL	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
BN030090.D	2	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.06	U	0.06	0.4	0.4	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.04	U	0.04	0.2	0.2	ug/L
91-20-3	Naphthalene	0.04	U	0.04	0.2	0.2	ug/L
87-68-3	Hexachlorobutadiene	0.04	U	0.04	0.2	0.2	ug/L
91-57-6	2-Methylnaphthalene	0.04	U	0.04	0.2	0.2	ug/L
208-96-8	Acenaphthylene	0.04	U	0.04	0.2	0.2	ug/L
83-32-9	Acenaphthene	0.03	U	0.03	0.2	0.2	ug/L
Total PAH	Total PAH	3.39	UD	0.79	0.2	3.2	ug/L
86-73-7	Fluorene	0.03	U	0.03	0.2	0.2	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.15	U	0.15	0.4	0.4	ug/L
101-55-3	4-Bromophenyl-phenylether	0.04	U	0.04	0.2	0.2	ug/L
118-74-1	Hexachlorobenzene	0.05	U	0.05	0.2	0.2	ug/L
1912-24-9	Atrazine	0.04	U	0.04	0.2	0.2	ug/L
87-86-5	Pentachlorophenol	0.12	U	0.12	0.4	0.4	ug/L
85-01-8	Phenanthrene	0.12	JD	0.04	0.2	0.2	ug/L
120-12-7	Anthracene	0.1	JD	0.04	0.2	0.2	ug/L
206-44-0	Fluoranthene	0.3	D	0.04	0.2	0.2	ug/L
129-00-0	Pyrene	0.26	D	0.05	0.2	0.2	ug/L
56-55-3	Benzo(a)anthracene	0.25	D	0.05	0.2	0.2	ug/L
218-01-9	Chrysene	0.38	D	0.04	0.2	0.2	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.16	U	0.16	0.4	0.4	ug/L
205-99-2	Benzo(b)fluoranthene	0.34	D	0.05	0.2	0.2	ug/L
207-08-9	Benzo(k)fluoranthene	0.34	D	0.05	0.2	0.2	ug/L
50-32-8	Benzo(a)pyrene	0.25	D	0.07	0.2	0.2	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.36	D	0.08	0.2	0.2	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.37	D	0.08	0.2	0.2	ug/L
191-24-2	Benzo(g,h,i)perylene	0.32	D	0.06	0.2	0.2	ug/L
123-91-1	1,4-Dioxane	8.1	D	0.12	0.4	0.4	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30-150		90	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.528		30-150		132	SPK: -0.4

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Report of Analysis

Client:				Date Collected:	2/22/2024 12:00:00 AM
Project:				Date Received:	2/22/2024 12:00:00 AM
Client Sample ID:	RE115D2-20240222DL			SDG No.:	BN022724
Lab Sample ID:	P1578-06DL			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
BN030090.D	2	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.156		10-92		39	SPK: -0.4
13127-88-3	Phenol-d6	0.066		10-100		16	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.372		11-175		93	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.352		10-175		88	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.466		24-148		116	SPK: -0.4
1718-51-0	Terphenyl-d14	0.49		54-171		123	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2932	7.847				
1146-65-2	Naphthalene-d8	7458	10.648				
15067-26-2	Acenaphthene-d10	3433	14.5				
1517-22-2	Phenanthrene-d10	7905	17.255				
1719-03-5	Chrysene-d12	6759	21.456				
1520-96-3	Perylene-d12	6288	23.821				

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Report of Analysis

Client:		Date Collected:	2/21/2024 12:00:00 AM
Project:		Date Received:	2/21/2024 12:00:00 AM
Client Sample ID:	RW10A-MW01I-20240221MS	SDG No.:	BN022724
Lab Sample ID:	P1577-02MS	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
BN030091.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.13	J	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.35		0.02	0.1	0.1	ug/L
91-20-3	Naphthalene	0.34		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.32		0.02	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.33		0.02	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.34		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.33		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.89		0.41	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	0.26		0.07	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.37		0.02	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.36		0.02	0.1	0.1	ug/L
1912-24-9	Atrazine	0.4		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.84		0.06	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.37		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.37		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	0.39		0.03	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.37		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.4		0.02	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.33		0.08	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.38		0.02	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.39		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.4		0.04	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.38		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.36		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.36		0.03	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.28		0.06	0.2	0.2	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.381		30-150		95	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.402		30-150		100	SPK: -0.4

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Report of Analysis

Client:		Date Collected:	2/21/2024 12:00:00 AM
Project:		Date Received:	2/21/2024 12:00:00 AM
Client Sample ID:	RW10A-MW01I-20240221MS	SDG No.:	BN022724
Lab Sample ID:	P1577-02MS	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
BN030091.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.13		10-92		32	SPK: -0.4
13127-88-3	Phenol-d6	0.074		10-100		19	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.359		11-175		90	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.373		10-175		93	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.327		24-148		82	SPK: -0.4
1718-51-0	Terphenyl-d14	0.404		54-171		101	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3888	7.854				
1146-65-2	Naphthalene-d8	10345	10.648				
15067-26-2	Acenaphthene-d10	4438	14.49				
1517-22-2	Phenanthrene-d10	8184	17.243				
1719-03-5	Chrysene-d12	6004	21.447				
1520-96-3	Perylene-d12	6066	23.812				

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Report of Analysis

Client:		Date Collected:	2/21/2024 12:00:00 AM
Project:		Date Received:	2/21/2024 12:00:00 AM
Client Sample ID:	RW10A-MW01I-20240221MSD	SDG No.:	BN022724
Lab Sample ID:	P1577-03MSD	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
BN030092.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.12	J	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.34		0.02	0.1	0.1	ug/L
91-20-3	Naphthalene	0.34		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.33		0.02	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.33		0.02	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.34		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.33		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	5.87		0.41	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	0.26		0.07	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.36		0.02	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.36		0.02	0.1	0.1	ug/L
1912-24-9	Atrazine	0.4		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	0.84		0.06	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.38		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.37		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.4		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.37		0.03	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.37		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.41		0.02	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.31		0.08	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.38		0.02	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	0.4		0.04	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.38		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		0.03	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.3		0.06	0.2	0.2	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.374		30-150		94	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.419		30-150		105	SPK: -0.4

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Report of Analysis

Client:		Date Collected:	2/21/2024 12:00:00 AM
Project:		Date Received:	2/21/2024 12:00:00 AM
Client Sample ID:	RW10A-MW01I-20240221MSD	SDG No.:	BN022724
Lab Sample ID:	P1577-03MSD	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
BN030092.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.132		10-92		33	SPK: -0.4
13127-88-3	Phenol-d6	0.074		10-100		19	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.364		11-175		91	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.369		10-175		92	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.353		24-148		88	SPK: -0.4
1718-51-0	Terphenyl-d14	0.381		54-171		95	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3558	7.854				
1146-65-2	Naphthalene-d8	9376	10.648				
15067-26-2	Acenaphthene-d10	4009	14.49				
1517-22-2	Phenanthrene-d10	7467	17.243				
1719-03-5	Chrysene-d12	6146	21.456				
1520-96-3	Perylene-d12	6296	23.815				

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Report of Analysis

Client:		Date Collected:	2/21/2024 12:00:00 AM
Project:		Date Received:	2/21/2024 12:00:00 AM
Client Sample ID:	TT161S1-20240221MS	SDG No.:	BN022724
Lab Sample ID:	P1578-02MS	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
BN030093.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.17	J	0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.43		0.02	0.1	0.1	ug/L
91-20-3	Naphthalene	0.4		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.36		0.02	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.4		0.02	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.4		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.38		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	7.02		0.41	0.1	1.6	ug/L
86-73-7	Fluorene	0.37		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.33		0.07	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.39		0.02	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.39		0.02	0.1	0.1	ug/L
1912-24-9	Atrazine	0.44		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	1.1		0.06	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.42		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.43		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.45		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.43		0.03	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.46		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.49		0.02	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.44		0.08	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.47		0.02	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.46		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.5		0.04	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.46		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.46		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.44		0.03	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.75		0.06	0.2	0.2	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.473		30-150		118	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.481		30-150		120	SPK: -0.4

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Report of Analysis

Client:		Date Collected:	2/21/2024 12:00:00 AM
Project:		Date Received:	2/21/2024 12:00:00 AM
Client Sample ID:	TT161S1-20240221MS	SDG No.:	BN022724
Lab Sample ID:	P1578-02MS	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
BN030093.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.164		10-92		41	SPK: -0.4
13127-88-3	Phenol-d6	0.089		10-100		22	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.456		11-175		114	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.426		10-175		106	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.397		24-148		99	SPK: -0.4
1718-51-0	Terphenyl-d14	0.443		54-171		111	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3416	7.854				
1146-65-2	Naphthalene-d8	8982	10.648				
15067-26-2	Acenaphthene-d10	3867	14.49				
1517-22-2	Phenanthrene-d10	7416	17.243				
1719-03-5	Chrysene-d12	5775	21.456				
1520-96-3	Perylene-d12	5996	23.812				

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Report of Analysis

Client:		Date Collected:	2/21/2024 12:00:00 AM
Project:		Date Received:	2/21/2024 12:00:00 AM
Client Sample ID:	TT161S1-20240221MSD	SDG No.:	BN022724
Lab Sample ID:	P1578-03MSD	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
BN030094.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	0.2		0.03	0.2	0.2	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.44		0.02	0.1	0.1	ug/L
91-20-3	Naphthalene	0.4		0.02	0.1	0.1	ug/L
87-68-3	Hexachlorobutadiene	0.35		0.02	0.1	0.1	ug/L
91-57-6	2-Methylnaphthalene	0.41		0.02	0.1	0.1	ug/L
208-96-8	Acenaphthylene	0.42		0.02	0.1	0.1	ug/L
83-32-9	Acenaphthene	0.4		0.02	0.1	0.1	ug/L
Total PAH	Total PAH	7.29		0.41	0.1	1.6	ug/L
86-73-7	Fluorene	0.41		0.02	0.1	0.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.34		0.07	0.2	0.2	ug/L
101-55-3	4-Bromophenyl-phenylether	0.39		0.02	0.1	0.1	ug/L
118-74-1	Hexachlorobenzene	0.4		0.02	0.1	0.1	ug/L
1912-24-9	Atrazine	0.5		0.02	0.1	0.1	ug/L
87-86-5	Pentachlorophenol	1.3		0.06	0.2	0.2	ug/L
85-01-8	Phenanthrene	0.46		0.02	0.1	0.1	ug/L
120-12-7	Anthracene	0.46		0.02	0.1	0.1	ug/L
206-44-0	Fluoranthene	0.52		0.02	0.1	0.1	ug/L
129-00-0	Pyrene	0.42		0.03	0.1	0.1	ug/L
56-55-3	Benzo(a)anthracene	0.48		0.02	0.1	0.1	ug/L
218-01-9	Chrysene	0.48		0.02	0.1	0.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.45		0.08	0.2	0.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.48		0.02	0.1	0.1	ug/L
207-08-9	Benzo(k)fluoranthene	0.49		0.03	0.1	0.1	ug/L
50-32-8	Benzo(a)pyrene	0.51		0.04	0.1	0.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.47		0.04	0.1	0.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.46		0.04	0.1	0.1	ug/L
191-24-2	Benzo(g,h,i)perylene	0.43		0.03	0.1	0.1	ug/L
123-91-1	1,4-Dioxane	0.72		0.06	0.2	0.2	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.477		30-150		119	SPK: -0.4
93951-69-0	Fluoranthene-d10	0.546		30-150		137	SPK: -0.4

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	2/21/2024 12:00:00 AM
Project:		Date Received:	2/21/2024 12:00:00 AM
Client Sample ID:	TT161S1-20240221MSD	SDG No.:	BN022724
Lab Sample ID:	P1578-03MSD	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
BN030094.D	1	2/26/2024 12:00:00 AM	2/27/2024 12:00:00 AM	PB159269

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
367-12-4	2-Fluorophenol	0.173		10-92		43	SPK: -0.4
13127-88-3	Phenol-d6	0.094		10-100		23	SPK: -0.4
4165-60-0	Nitrobenzene-d5	0.451		11-175		113	SPK: -0.4
321-60-8	2-Fluorobiphenyl	0.431		10-175		108	SPK: -0.4
118-79-6	2,4,6-Tribromophenol	0.45		24-148		113	SPK: -0.4
1718-51-0	Terphenyl-d14	0.436		54-171		109	SPK: -0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	3365	7.854				
1146-65-2	Naphthalene-d8	9052	10.648				
15067-26-2	Acenaphthene-d10	3932	14.49				
1517-22-2	Phenanthrene-d10	8094	17.243				
1719-03-5	Chrysene-d12	7581	21.447				
1520-96-3	Perylene-d12	7826	23.812				

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: BN022724

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**RE115D1-20240222DL**							
P1578-05DL	RE115D1-20240222DL	Water	1,4-Dioxane	5.200	D	0.12	0.4	ug/L
P1578-05DL	RE115D1-20240222DL	Water	Anthracene	0.130	JD	0.04	0.2	ug/L
P1578-05DL	RE115D1-20240222DL	Water	Benzo(a)anthracene	0.320	D	0.05	0.2	ug/L
P1578-05DL	RE115D1-20240222DL	Water	Benzo(a)pyrene	0.340	D	0.07	0.2	ug/L
P1578-05DL	RE115D1-20240222DL	Water	Benzo(b)fluoranthene	0.420	D	0.05	0.2	ug/L
P1578-05DL	RE115D1-20240222DL	Water	Benzo(g,h,i)perylene	0.410	D	0.06	0.2	ug/L
P1578-05DL	RE115D1-20240222DL	Water	Benzo(k)fluoranthene	0.450	D	0.05	0.2	ug/L
P1578-05DL	RE115D1-20240222DL	Water	Chrysene	0.500	D	0.04	0.2	ug/L
P1578-05DL	RE115D1-20240222DL	Water	Dibenzo(a,h)anthracene	0.450	D	0.08	0.2	ug/L
P1578-05DL	RE115D1-20240222DL	Water	Fluoranthene	0.370	D	0.04	0.2	ug/L
P1578-05DL	RE115D1-20240222DL	Water	Indeno(1,2,3-cd)pyrene	0.450	D	0.08	0.2	ug/L
P1578-05DL	RE115D1-20240222DL	Water	Phenanthrene	0.150	JD	0.04	0.2	ug/L
P1578-05DL	RE115D1-20240222DL	Water	Pyrene	0.340	D	0.05	0.2	ug/L
			Total Svoc :	**9.53**				
			Total Concentration:	**9.53**				
Client ID :	**RE115D2-20240222DL**							
P1578-06DL	RE115D2-20240222DL	Water	1,4-Dioxane	8.100	D	0.12	0.4	ug/L
P1578-06DL	RE115D2-20240222DL	Water	Anthracene	0.100	JD	0.04	0.2	ug/L
P1578-06DL	RE115D2-20240222DL	Water	Benzo(a)anthracene	0.250	D	0.05	0.2	ug/L
P1578-06DL	RE115D2-20240222DL	Water	Benzo(a)pyrene	0.250	D	0.07	0.2	ug/L
P1578-06DL	RE115D2-20240222DL	Water	Benzo(b)fluoranthene	0.340	D	0.05	0.2	ug/L
P1578-06DL	RE115D2-20240222DL	Water	Benzo(g,h,i)perylene	0.320	D	0.06	0.2	ug/L
P1578-06DL	RE115D2-20240222DL	Water	Benzo(k)fluoranthene	0.340	D	0.05	0.2	ug/L
P1578-06DL	RE115D2-20240222DL	Water	Chrysene	0.380	D	0.04	0.2	ug/L
P1578-06DL	RE115D2-20240222DL	Water	Dibenzo(a,h)anthracene	0.370	D	0.08	0.2	ug/L
P1578-06DL	RE115D2-20240222DL	Water	Fluoranthene	0.300	D	0.04	0.2	ug/L
P1578-06DL	RE115D2-20240222DL	Water	Indeno(1,2,3-cd)pyrene	0.360	D	0.08	0.2	ug/L
P1578-06DL	RE115D2-20240222DL	Water	Phenanthrene	0.120	JD	0.04	0.2	ug/L
P1578-06DL	RE115D2-20240222DL	Water	Pyrene	0.260	D	0.05	0.2	ug/L
			Total Svoc :	**11.49**				
			Total Concentration:	**11.49**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN012924 SAS No.: BN012924 SDG No.: BN012924

Instrument ID: Calibration Date(s): 1/29/2024

Calibration Time(s): 14:39

LAB FILE ID: RRF0.1 = BN029400.D RRF0.2 = BN029401.D RRF0.4 = BN029402.D
RRF0.8 = BN029403.D RRF1.6 = BN029404.D RRF3.2 = BN029405.D

COMPOUND	RRF0.1	RRF0.2	RRF0.4	RRF0.8	RRF1.6	RRF3.2	RRF	% RSD
2-Methylnaphthalene-d10	0.510	0.524	0.518	0.529	0.584	0.573	0.545	5.7
Fluoranthene-d10	0.863	0.934	0.891	0.935	1.038	1.048	0.969	8.6
n-Nitrosodimethylamine	0.371	0.430	0.443	0.437	0.519	0.508	0.459	11.7
2-Fluorophenol	1.005	0.999	0.910	0.905	0.980	0.965	0.961	4.1
Phenol-d6	0.953	1.021	1.009	1.065	1.222	1.231	1.109	11.3
bis(2-Chloroethyl)ether	0.903	0.977	0.984	1.046	1.181	1.158	1.058	10.3
Nitrobenzene-d5	0.292	0.307	0.311	0.322	0.362	0.364	0.333	9.7
Naphthalene	1.112	1.144	1.116	1.108	1.191	1.158	1.140	2.6
Hexachlorobutadiene	0.217	0.221	0.214	0.215	0.224	0.214	0.216	2.4
2-Methylnaphthalene	0.624	0.639	0.644	0.651	0.716	0.707	0.669	5.7
2-Fluorobiphenyl	1.604	1.715	1.668	1.707	1.840	1.770	1.717	4.3
Acenaphthylene	1.686	1.808	1.772	1.843	2.056	2.066	1.900	8.4
Acenaphthene	1.208	1.275	1.229	1.245	1.354	1.319	1.275	4.1
Fluorene	1.507	1.570	1.523	1.563	1.729	1.668	1.599	5.1
4,6-Dinitro-2-methylphenol	0.046	0.052	0.052	0.056	0.064	0.070	0.059	16.8
2,4,6-Tribromophenol	0.113	0.121	0.116	0.119	0.138	0.145	0.128	11.2
4-Bromophenyl-phenylether	0.212	0.235	0.226	0.233	0.255	0.253	0.238	6.7
Hexachlorobenzene	0.284	0.302	0.281	0.286	0.306	0.295	0.292	3.2
Atrazine	0.141	0.165	0.154	0.161	0.181	0.187	0.169	11.4
Pentachlorophenol	0.073	0.075	0.080	0.090	0.103	0.110	0.093	19.0
Phenanthrene	1.128	1.158	1.123	1.142	1.258	1.241	1.183	4.9
Anthracene	0.913	0.935	0.926	0.947	1.081	1.116	1.008	9.9
Fluoranthene	1.247	1.305	1.186	1.287	1.418	1.441	1.330	7.5
Pyrene	2.007	1.919	1.873	1.738	1.857	1.749	1.841	5.5
Terphenyl-d14	1.078	1.006	0.990	0.950	1.013	0.961	0.993	4.6
Benzo(a)anthracene	1.292	1.272	1.288	1.286	1.449	1.465	1.367	7.6
Chrysene	1.579	1.570	1.519	1.508	1.605	1.560	1.553	2.3
Bis(2-ethylhexyl)phthalate	1.281	1.014	0.869	0.831	0.814	0.838	0.931	18.0
Benzo(b)fluoranthene	1.260	1.315	1.341	1.425	1.568	1.532	1.430	9.0
Benzo(k)fluoranthene	1.311	1.432	1.495	1.442	1.585	1.614	1.497	7.4
Benzo(a)pyrene	1.172	1.161	1.209	1.222	1.302	1.317	1.247	5.8
Indeno(1,2,3-cd)pyrene	1.504	1.442	1.495	1.601	1.709	1.745	1.608	8.2
Dibenzo(a,h)anthracene	1.105	1.157	1.190	1.263	1.400	1.423	1.280	10.6
Benzo(g,h,i)perylene	1.499	1.428	1.520	1.573	1.657	1.623	1.559	5.2
1,4-Dioxane	0.641	0.619	0.565	0.524	0.552	0.531	0.563	8.7

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN022724 SAS No.: BN022724 SDG NO.: BN022724

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Feb 27 2024 12:00AM

Lab File ID: BN029402.D Time Analyzed: 11:40

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	3571	7.905	9695	10.70	4525	14.54
	UPPER LIMIT	7142	8.405	19390	11.201	9050	15.043
	LOWER LIMIT	1785.5	7.405	4847.5	10.201	2262.5	14.043
	EPA SAMPLE NO.						
01	PB159230BL	3270	7.85	7850	10.66	3295	14.51
02	RE115D1-20240222DL	2959	7.85	7680	10.65	3440	14.50
03	RE115D2-20240222DL	2932	7.85	7458	10.65	3433	14.50
04	RW10A-MW01I-20240221MS	3888	7.85	10345	10.65	4438	14.49
05	RW10A-MW01I-20240221MSD	3558	7.85	9376	10.65	4009	14.49
06	TT161S1-20240221MS	3416	7.85	8982	10.65	3867	14.49
07	TT161S1-20240221MSD	3365	7.85	9052	10.65	3932	14.49

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN022724 SAS No.: BN022724 SDG NO.: BN022724

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Feb 27 2024 12:00AM

Lab File ID: BN030087.D Time Analyzed: 11:40

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	3958	7.854	10582	10.65	4871	14.49
	UPPER LIMIT	7916	8.354	21164	11.148	9742	14.99
	LOWER LIMIT	1979	7.354	5291	10.148	2435.5	13.99
	EPA SAMPLE NO.						
01	PB159230BL	3270	7.85	7850	10.66	3295	14.51
02	RE115D1-20240222DL	2959	7.85	7680	10.65	3440	14.50
03	RE115D2-20240222DL	2932	7.85	7458	10.65	3433	14.50
04	RW10A-MW01I-20240221MS	3888	7.85	10345	10.65	4438	14.49
05	RW10A-MW01I-20240221MSD	3558	7.85	9376	10.65	4009	14.49
06	TT161S1-20240221MS	3416	7.85	8982	10.65	3867	14.49
07	TT161S1-20240221MSD	3365	7.85	9052	10.65	3932	14.49

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN022724 SAS No.: BN022724 SDG NO.: BN022724

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Feb 27 2024 12:00AM

Lab File ID: BN029402.D Time Analyzed: 11:40

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	8820	17.293	5892	21.492	5795	23.885
	UPPER LIMIT	17640	17.793	11784	21.992	11590	24.385
	LOWER LIMIT	4410	16.793	2946	20.992	2897.5	23.385
	EPA SAMPLE NO.						
01	PB159230BL	5776	17.29	4789	21.47	4509	23.83
02	RE115D1-20240222DL	7226	17.26	5501	21.46	5264	23.82
03	RE115D2-20240222DL	7905	17.26	6759	21.46	6288	23.82
04	RW10A-MW01I-20240221MS	8184	17.24	6004	21.45	6066	23.81
05	RW10A-MW01I-20240221MSD	7467	17.24	6146	21.46	6296	23.82
06	TT161S1-20240221MS	7416	17.24	5775	21.46	5996	23.81
07	TT161S1-20240221MSD	8094	17.24	7581	21.45	7826	23.81

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN022724 SAS No.: BN022724 SDG NO.: BN022724

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Feb 27 2024 12:00AM

Lab File ID: BN030087.D Time Analyzed: 11:40

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	10172	17.243	8187	21.447	8068	23.812
	UPPER LIMIT	20344	17.743	16374	21.947	16136	24.312
	LOWER LIMIT	5086	16.743	4093.5	20.947	4034	23.312
	EPA SAMPLE NO.						
01	PB159230BL	5776	17.29	4789	21.47	4509	23.83
02	RE115D1-20240222DL	7226	17.26	5501	21.46	5264	23.82
03	RE115D2-20240222DL	7905	17.26	6759	21.46	6288	23.82
04	RW10A-MW01I-20240221MS	8184	17.24	6004	21.45	6066	23.81
05	RW10A-MW01I-20240221MSD	7467	17.24	6146	21.46	6296	23.82
06	TT161S1-20240221MS	7416	17.24	5775	21.46	5996	23.81
07	TT161S1-20240221MSD	8094	17.24	7581	21.45	7826	23.81

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159230BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN022724 SAS No.: BN022724 SDG NO.: BN022724

Lab File ID: BN030088.D Lab Sample ID: PB159230BL

Instrument ID: BNA_N Date Extracted: 02/23/2024

Matrix: (soil/water) Solid Date Analyzed: 02/27/2024

Level: (low/med) LOW Time Analyzed: 11:40

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

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

COMMENTS:

CHEMTECH

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

RW10A-MW01I-2024022

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN022724 SAS No.: BN022724 SDG NO.: BN022724

Lab File ID: BN030091.D Lab Sample ID: P1577-02MS

Instrument ID: BNA_N Date Extracted: 02/26/2024

Matrix: (soil/water) Water Date Analyzed: 02/27/2024

Level: (low/med) LOW Time Analyzed: 14:44

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RW10A-MW01I-20240221MS	P1577-02MS	BN030091.D	02/27/2024
RW10A-MW01I-20240221MSD	P1577-03MSD	BN030092.D	02/27/2024
TT161S1-20240221MS	P1578-02MS	BN030093.D	02/27/2024
TT161S1-20240221MSD	P1578-03MSD	BN030094.D	02/27/2024

COMMENTS:

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BN022724

Client:

Analytical Method: 8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P1577-02MS		**Client Sample ID: RW10A-MW01I-20240221MS**						**DataFile: BN030091.D**			
n-Nitrosodimethylamine	0.4		0.13	ug/L	33				10	158	
bis(2-Chloroethyl)ether	0.4		0.35	ug/L	88				27	159	
Naphthalene	0.4		0.34	ug/L	85				62	119	
Hexachlorobutadiene	0.4		0.32	ug/L	80				14	140	
2-Methylnaphthalene	0.4		0.33	ug/L	83				70	118	
Acenaphthylene	0.4		0.34	ug/L	85				53	123	
Acenaphthene	0.4		0.33	ug/L	83				57	122	
Total PAH	6.4		5.89	ug/L	92				57	122	
Fluorene	0.4		0.33	ug/L	83				58	123	
4,6-Dinitro-2-methylphenol	0.4		0.26	ug/L	65				20	150	
4-Bromophenyl-phenylether	0.4		0.37	ug/L	93				20	150	
Hexachlorobenzene	0.4		0.36	ug/L	90				31	160	
Atrazine	0.4		0.4	ug/L	100				20	150	
Pentachlorophenol	0.8		0.84	ug/L	105				10	179	
Phenanthrene	0.4		0.37	ug/L	93				64	129	
Anthracene	0.4		0.37	ug/L	93				67	127	
Fluoranthene	0.4		0.38	ug/L	95				55	140	
Pyrene	0.4		0.39	ug/L	98				59	137	
Benzo(a)anthracene	0.4		0.37	ug/L	93				51	146	
Chrysene	0.4		0.4	ug/L	100				61	126	
bis(2-Ethylhexyl)phthalate	0.4	0.1	0.33	ug/L	58				35	175	
Benzo(b)fluoranthene	0.4		0.38	ug/L	95				60	123	
Benzo(k)fluoranthene	0.4		0.39	ug/L	98				61	122	
Benzo(a)pyrene	0.4		0.4	ug/L	100				54	129	
Indeno(1,2,3-cd)pyrene	0.4		0.38	ug/L	95				50	134	
Dibenz(a,h)anthracene	0.4		0.36	ug/L	90				53	121	
Benzo(g,h,i)perylene	0.4		0.36	ug/L	90				44	132	
1,4-Dioxane	0.4		0.28	ug/L	70				10	175	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BN022724

Client:

Analytical Method: 8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P1577-03MSD		**Client Sample ID: RW10A-MW01I-20240221MSD**						**DataFile: BN030092.D**			
n-Nitrosodimethylamine	0.4		0.12	ug/L	30		10		10	158	20
bis(2-Chloroethyl)ether	0.4		0.34	ug/L	85		3		27	159	20
Naphthalene	0.4		0.34	ug/L	85		0		62	119	20
Hexachlorobutadiene	0.4		0.33	ug/L	83		4		14	140	20
2-Methylnaphthalene	0.4		0.33	ug/L	83		0		70	118	20
Acenaphthylene	0.4		0.34	ug/L	85		0		53	123	20
Acenaphthene	0.4		0.33	ug/L	83		0		57	122	20
Total PAH	6.4		5.87	ug/L	92		0		57	122	20
Fluorene	0.4		0.33	ug/L	83		0		58	123	20
4,6-Dinitro-2-methylphenol	0.4		0.26	ug/L	65		0		20	150	20
4-Bromophenyl-phenylether	0.4		0.36	ug/L	90		3		20	150	20
Hexachlorobenzene	0.4		0.36	ug/L	90		0		31	160	20
Atrazine	0.4		0.4	ug/L	100		0		20	150	20
Pentachlorophenol	0.8		0.84	ug/L	105		0		10	179	20
Phenanthrene	0.4		0.38	ug/L	95		2		64	129	20
Anthracene	0.4		0.37	ug/L	93		0		67	127	20
Fluoranthene	0.4		0.4	ug/L	100		5		55	140	20
Pyrene	0.4		0.37	ug/L	93		5		59	137	20
Benzo(a)anthracene	0.4		0.37	ug/L	93		0		51	146	20
Chrysene	0.4		0.41	ug/L	103		3		61	126	20
bis(2-Ethylhexyl)phthalate	0.4	0.1	0.31	ug/L	53		9		35	175	20
Benzo(b)fluoranthene	0.4		0.38	ug/L	95		0		60	123	20
Benzo(k)fluoranthene	0.4		0.4	ug/L	100		2		61	122	20
Benzo(a)pyrene	0.4		0.4	ug/L	100		0		54	129	20
Indeno(1,2,3-cd)pyrene	0.4		0.38	ug/L	95		0		50	134	20
Dibenz(a,h)anthracene	0.4		0.33	ug/L	83		8		53	121	20
Benzo(g,h,i)perylene	0.4		0.34	ug/L	85		6		44	132	20
1,4-Dioxane	0.4		0.3	ug/L	75		7		10	175	20

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BN022724

Client:

Analytical Method: 8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P1578-02MS		**Client Sample ID: TT161S1-20240221MS**						**DataFile: BN030093.D**			
n-Nitrosodimethylamine	0.4		0.17	ug/L	43				10	158	
bis(2-Chloroethyl)ether	0.4		0.43	ug/L	108				27	159	
Naphthalene	0.4		0.4	ug/L	100				62	119	
Hexachlorobutadiene	0.4		0.36	ug/L	90				14	140	
2-Methylnaphthalene	0.4		0.4	ug/L	100				70	118	
Acenaphthylene	0.4		0.4	ug/L	100				53	123	
Acenaphthene	0.4		0.38	ug/L	95				57	122	
Total PAH	6.4		7.02	ug/L	110				57	122	
Fluorene	0.4		0.37	ug/L	93				58	123	
4,6-Dinitro-2-methylphenol	0.4		0.33	ug/L	83				20	150	
4-Bromophenyl-phenylether	0.4		0.39	ug/L	98				20	150	
Hexachlorobenzene	0.4		0.39	ug/L	98				31	160	
Atrazine	0.4		0.44	ug/L	110				20	150	
Pentachlorophenol	0.8		1.1	ug/L	138				10	179	
Phenanthrene	0.4		0.42	ug/L	105				64	129	
Anthracene	0.4		0.43	ug/L	108				67	127	
Fluoranthene	0.4		0.45	ug/L	113				55	140	
Pyrene	0.4		0.43	ug/L	108				59	137	
Benzo(a)anthracene	0.4		0.46	ug/L	115				51	146	
Chrysene	0.4		0.49	ug/L	123				61	126	
bis(2-Ethylhexyl)phthalate	0.4	0	0.44	ug/L	110				35	175	
Benzo(b)fluoranthene	0.4		0.47	ug/L	117				60	123	
Benzo(k)fluoranthene	0.4		0.46	ug/L	115				61	122	
Benzo(a)pyrene	0.4		0.5	ug/L	125				54	129	
Indeno(1,2,3-cd)pyrene	0.4		0.46	ug/L	115				50	134	
Dibenz(a,h)anthracene	0.4		0.46	ug/L	115				53	121	
Benzo(g,h,i)perylene	0.4		0.44	ug/L	110				44	132	
1,4-Dioxane	0.4	0.25	0.75	ug/L	125				10	175	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BN022724

Client:

Analytical Method: 8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: P1578-03MSD		**Client Sample ID: TT161S1-20240221MSD**						**DataFile: BN030094.D**			
n-Nitrosodimethylamine	0.4		0.2	ug/L	50		15		10	158	20
bis(2-Chloroethyl)ether	0.4		0.44	ug/L	110		2		27	159	20
Naphthalene	0.4		0.4	ug/L	100		0		62	119	20
Hexachlorobutadiene	0.4		0.35	ug/L	88		2		14	140	20
2-Methylnaphthalene	0.4		0.41	ug/L	103		3		70	118	20
Acenaphthylene	0.4		0.42	ug/L	105		5		53	123	20
Acenaphthene	0.4		0.4	ug/L	100		5		57	122	20
Total PAH	6.4		7.29	ug/L	114		4		57	122	20
Fluorene	0.4		0.41	ug/L	103		10		58	123	20
4,6-Dinitro-2-methylphenol	0.4		0.34	ug/L	85		2		20	150	20
4-Bromophenyl-phenylether	0.4		0.39	ug/L	98		0		20	150	20
Hexachlorobenzene	0.4		0.4	ug/L	100		2		31	160	20
Atrazine	0.4		0.5	ug/L	125		13		20	150	20
Pentachlorophenol	0.8		1.3	ug/L	162		16		10	179	20
Phenanthrene	0.4		0.46	ug/L	115		9		64	129	20
Anthracene	0.4		0.46	ug/L	115		6		67	127	20
Fluoranthene	0.4		0.52	ug/L	130		14		55	140	20
Pyrene	0.4		0.42	ug/L	105		3		59	137	20
Benzo(a)anthracene	0.4		0.48	ug/L	120		4		51	146	20
Chrysene	0.4		0.48	ug/L	120		2		61	126	20
bis(2-Ethylhexyl)phthalate	0.4	0	0.45	ug/L	113		3		35	175	20
Benzo(b)fluoranthene	0.4		0.48	ug/L	120		3		60	123	20
Benzo(k)fluoranthene	0.4		0.49	ug/L	123	*	7		61	122	20
Benzo(a)pyrene	0.4		0.51	ug/L	128		2		54	129	20
Indeno(1,2,3-cd)pyrene	0.4		0.47	ug/L	117		2		50	134	20
Dibenz(a,h)anthracene	0.4		0.46	ug/L	115		0		53	121	20
Benzo(g,h,i)perylene	0.4		0.43	ug/L	108		2		44	132	20
1,4-Dioxane	0.4	0.25	0.72	ug/L	118		6		10	175	20

CHEMTECH

Surrogate Summary

SW-846

SDG No.: BN022724

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB159230BL	PB159230BL	BN030088.D	2-Methylnaphthalene-d10	0.4	0.35	88		21	128
			Fluoranthene-d10	0.4	0.47	118		13	127
			2-Fluorophenol	0.4	0.44	109		28	122
			Phenol-d6	0.4	0.35	88		12	126
			Nitrobenzene-d5	0.4	0.42	104		14	112
			2-Fluorobiphenyl	0.4	0.33	82		22	114
			2,4,6-Tribromophenol	0.4	0.33	83		10	137
			Terphenyl-d14	0.4	0.42	104		21	130

CHEMTECH

Surrogate Summary

SW-846

SDG No.: BN022724

Client:

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
P1577-02MS	RW10A-MW01I-20	BN030091.D	2-Methylnaphthalene-d10	0.4	0.38	95		30	150
			Fluoranthene-d10	0.4	0.40	100		30	150
			2-Fluorophenol	0.4	0.13	32		10	92
			Phenol-d6	0.4	0.07	19		10	100
			Nitrobenzene-d5	0.4	0.36	90		11	175
			2-Fluorobiphenyl	0.4	0.37	93		10	175
			2,4,6-Tribromophenol	0.4	0.33	82		24	148
			Terphenyl-d14	0.4	0.40	101		54	171
P1577-03MSD	RW10A-MW01I-20	BN030092.D	2-Methylnaphthalene-d10	0.4	0.37	94		30	150
			Fluoranthene-d10	0.4	0.42	105		30	150
			2-Fluorophenol	0.4	0.13	33		10	92
			Phenol-d6	0.4	0.07	19		10	100
			Nitrobenzene-d5	0.4	0.36	91		11	175
			2-Fluorobiphenyl	0.4	0.37	92		10	175
			2,4,6-Tribromophenol	0.4	0.35	88		24	148
			Terphenyl-d14	0.4	0.38	95		54	171
P1578-02MS	TT161S1-20240221	BN030093.D	2-Methylnaphthalene-d10	0.4	0.47	118		30	150
			Fluoranthene-d10	0.4	0.48	120		30	150
			2-Fluorophenol	0.4	0.16	41		10	92
			Phenol-d6	0.4	0.09	22		10	100
			Nitrobenzene-d5	0.4	0.46	114		11	175
			2-Fluorobiphenyl	0.4	0.43	106		10	175
			2,4,6-Tribromophenol	0.4	0.40	99		24	148
			Terphenyl-d14	0.4	0.44	111		54	171
P1578-03MSD	TT161S1-20240221	BN030094.D	2-Methylnaphthalene-d10	0.4	0.48	119		30	150
			Fluoranthene-d10	0.4	0.55	137		30	150
			2-Fluorophenol	0.4	0.17	43		10	92
			Phenol-d6	0.4	0.09	23		10	100
			Nitrobenzene-d5	0.4	0.45	113		11	175
			2-Fluorobiphenyl	0.4	0.43	108		10	175
			2,4,6-Tribromophenol	0.4	0.45	113		24	148
			Terphenyl-d14	0.4	0.44	109		54	171
P1578-05DL	RE115D1-2024022	BN030089.D	2-Methylnaphthalene-d10	0.4	0.36	90		30	150
			Fluoranthene-d10	0.4	0.49	123		30	150
			2-Fluorophenol	0.4	0.16	39		10	92
			Phenol-d6	0.4	0.07	17		10	100
			Nitrobenzene-d5	0.4	0.39	97		11	175
			2-Fluorobiphenyl	0.4	0.36	90		10	175
			2,4,6-Tribromophenol	0.4	0.40	100		24	148
			Terphenyl-d14	0.4	0.47	116		54	171
P1578-06DL	RE115D2-2024022	BN030090.D	2-Methylnaphthalene-d10	0.4	0.36	90		30	150
			Fluoranthene-d10	0.4	0.53	132		30	150
			2-Fluorophenol	0.4	0.16	39		10	92
			Phenol-d6	0.4	0.07	16		10	100
			Nitrobenzene-d5	0.4	0.37	93		11	175
			2-Fluorobiphenyl	0.4	0.35	88		10	175
			2,4,6-Tribromophenol	0.4	0.47	116		24	148
			Terphenyl-d14	0.4	0.49	123		54	171

CHEMTECH

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN022724

Lab Code: CHEM SAS No.: BN022724 SDG NO.: BN022724

Lab File ID: BN030086.D DFTPP Injection Date: 02/27/2024

Instrument ID: BNA_N DFTPP Injection Time: 09:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	62.5
68	Less than 2.0% of mass 69	1.4 (2) 1
69	Mass 69 relative abundance	70.4
70	Less than 2.0% of mass 69	0.4 (0.6) 1
127	10.0 - 80.0% of mass 198	69.1
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 60.0% of mass 198	25.5
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	10.3
442	Greater than 50% of mass 198	68.3
443	15.0 - 24.0% of mass 442	12.6 (18.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN030087.D	02/27/2024	09:51
PB159230BL	PB159230BL	BN030088.D	02/27/2024	11:40
RE115D1-20240222DL	P1578-05DL	BN030089.D	02/27/2024	12:16
RE115D2-20240222DL	P1578-06DL	BN030090.D	02/27/2024	14:08
RW10A-MW01I-20240221MS	P1577-02MS	BN030091.D	02/27/2024	14:44
RW10A-MW01I-20240221MSD	P1577-03MSD	BN030092.D	02/27/2024	15:21
TT161S1-20240221MS	P1578-02MS	BN030093.D	02/27/2024	15:56
TT161S1-20240221MSD	P1578-03MSD	BN030094.D	02/27/2024	16:32
SSTDCCC0.4EC	SSTDCCC0.4	BN030095.D	02/27/2024	17:08