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.: BP081324 SAS No.: BP081324 SDG No.: BP081324

Instrument ID: BNA_P Calibration Date/Time: 8/13/2024 12 15:26

Lab File ID: BP021485.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s):

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.536	0.532		-0.746	
Pyridine	1.783	1.802		1.066	
2-Fluorophenol	1.347	1.348		0.074	
Benzaldehyde	1.258	1.198		-4.769	
Aniline	1.964	1.978		0.713	
Phenol-d6	1.965	1.978		0.662	
Phenol	2.035	2.045		0.491	20.0
bis(2-Chloroethyl)ether	1.722	1.702		-1.161	
2-Chlorophenol	1.245	1.250		0.402	
1,2-Dichlorobenzene	1.439	1.410		-2.015	
1,3-Dichlorobenzene	1.479	1.452		-1.826	
1,4-Dichlorobenzene	1.493	1.475		-1.206	20.0
Benzyl Alcohol	1.410	1.415		0.355	
2-Methylphenol	1.286	1.290		0.311	
2,2-oxybis(1-Chloropropane)	1.585	1.546		-2.461	
Acetophenone	0.614	0.612		-0.326	
3+4-Methylphenols	1.734	1.758		1.384	
n-Nitroso-di-n-propylamine	1.357	1.340	0.050	-1.253	
Nitrobenzene-d5	0.387	0.410		5.943	
Hexachloroethane	0.599	0.594		-0.835	
Nitrobenzene	0.421	0.443		5.226	
Isophorone	0.915	0.913		-0.219	
2-Nitrophenol	0.086	0.094		9.302	20.0
2,4-Dimethylphenol	0.226	0.225		-0.442	
bis(2-Chloroethoxy)methane	0.559	0.549		-1.789	
2,4-Dichlorophenol	0.267	0.273		2.247	20.0
1,2,4-Trichlorobenzene	0.342	0.340		-0.585	
Benzoic acid	0.137	0.129		-5.839	
Naphthalene	1.045	1.041		-0.383	
4-Chloroaniline	0.392	0.395		0.765	
Hexachlorobutadiene	0.215	0.215		0.0	20.0
Caprolactam	0.111	0.114		2.703	
4-Chloro-3-methylphenol	0.370	0.383		3.514	20.0
2-Methylnaphthalene	0.713	0.705		-1.122	
Hexachlorocyclopentadiene	0.186	0.192	0.050	3.226	
2,4,6-Trichlorophenol	0.326	0.343		5.215	20.0
2-Fluorobiphenyl	1.310	1.327		1.298	
2,4,5-Trichlorophenol	0.362	0.382		5.525	
1,1-Biphenyl	1.415	1.428		0.919	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP081324 SAS No.: BP081324 SDG No.: BP081324

Instrument ID: BNA_P Calibration Date/Time: 8/13/2024 12 15:26

Lab File ID: BP021485.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s):

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.102	1.116		1.27	
2-Nitroaniline	0.256	0.285		11.328	
Dimethylphthalate	1.339	1.352		0.971	
Acenaphthylene	1.619	1.645		1.606	
2,6-Dinitrotoluene	0.232	0.255		9.914	
3-Nitroaniline	0.228	0.254		11.404	
Acenaphthene	1.063	1.073		0.941	20.0
2,4-Dinitrophenol	0.069	0.066	0.050	-4.348	
4-Nitrophenol	0.195	0.202	0.050	3.59	
Dibenzofuran	1.635	1.649		0.856	
2,4-Dinitrotoluene	0.284	0.320		12.676	
Diethylphthalate	1.374	1.397		1.674	
4-Chlorophenyl-phenylether	0.694	0.695		0.144	
Fluorene	1.343	1.354		0.819	
4-Nitroaniline	0.241	0.273		13.278	
4,6-Dinitro-2-methylphenol	0.054	0.052		-3.704	
n-Nitrosodiphenylamine	0.536	0.538		0.373	20.0
Azobenzene	1.689	1.714		1.48	
2,4,6-Tribromophenol	0.223	0.236		5.83	
4-Bromophenyl-phenylether	0.212	0.207		-2.358	
Hexachlorobenzene	0.250	0.252		0.8	
Atrazine	0.184	0.191		3.804	
Pentachlorophenol	0.137	0.137		0.0	20.0
Phenanthrene	0.962	0.965		0.312	
Anthracene	0.943	0.950		0.742	
Carbazole	0.909	0.930		2.31	
Di-n-butylphthalate	1.116	1.149		2.957	
Fluoranthene	1.180	1.200		1.695	20.0
Benzidine	0.420	0.477		13.571	
Pyrene	1.307	1.290		-1.301	
Terphenyl-d14	1.029	1.006		-2.235	
Butylbenzylphthalate	0.437	0.470		7.551	
3,3-Dichlorobenzidine	0.403	0.428		6.203	
Benzo(a)anthracene	1.256	1.268		0.955	
Chrysene	1.185	1.197		1.013	
Bis(2-ethylhexyl)phthalate	0.742	0.781		5.256	
Di-n-octyl phthalate	1.199	1.247		4.003	20.0
Benzo(b)fluoranthene	1.149	1.155		0.522	
Benzo(k)fluoranthene	1.121	1.141		1.784	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP081324 SAS No.: BP081324 SDG No.: BP081324

Instrument ID: BNA_P Calibration Date/Time: 8/13/2024 12 15:26

Lab File ID: BP021485.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s):

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	0.997	1.012		1.505	20.0
Indeno(1,2,3-cd)pyrene	1.296	1.327		2.392	
Dibenzo(a,h)anthracene	1.077	1.102		2.321	
Benzo(g,h,i)perylene	1.080	1.102		2.037	
1,2,4,5-Tetrachlorobenzene	0.586	0.595		1.536	
1,4-Dioxane	0.639	0.642		0.469	20.0
2,3,4,6-Tetrachlorophenol	0.307	0.328		6.84	
1-Methylnaphthalene	0.703	0.697		-0.853	

All other compounds must meet a minimum RRF of 0.010.

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBP081324		SDG No.:	BP081324	
Lab Sample ID:	SSTDICV040		Matrix:	Water	
Analytical Method:	8270E		% Moisture:	100	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	1000000	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
BP021489.D	1		8/13/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	40200		1000	8000	10000	ug/L
110-86-1	Pyridine	40400		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	40400		4000	8000	10000	ug/L
62-53-3	Aniline	41600		1600	4000	5000	ug/L
108-95-2	Phenol	42600		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	41500		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	42300		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	39900		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	39700		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	39600		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	44500		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	43700		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41900		1400	4000	5000	ug/L
98-86-2	Acetophenone	39900		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	44900		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43300		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	40800		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	43200		1300	4000	5000	ug/L
78-59-1	Isophorone	40700		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	47800		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	41200		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40400		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	43400		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	39100		1100	4000	5000	ug/L
65-85-0	Benzoic acid	49800		5500	8000	10000	ug/L
91-20-3	Naphthalene	39600		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	40600		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	39100		1300	4000	5000	ug/L

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBP081324		SDG No.:	BP081324	
Lab Sample ID:	SSTDICV040		Matrix:	Water	
Analytical Method:	8270E		% Moisture:	100	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	1000000	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
BP021489.D	1		8/13/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	41800		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	43000		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	40400		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	43200		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	44200		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	44400		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	39500		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	39700		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	43000		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	39100		930	4000	5000	ug/L
208-96-8	Acenaphthylene	39500		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	41400		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	40500		1400	4000	5000	ug/L
83-32-9	Acenaphthene	39400		810	4000	5000	ug/L
Total PAH	Total PAH	639900		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	45100		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	39600		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	38500		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	40900		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixtur	82300		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	37800		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	38800		980	4000	5000	ug/L
86-73-7	Fluorene	38100		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	38300		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	46300		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	42100		890	4000	5000	ug/L
103-33-3	Azobenzene	37800		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	42300		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	41200		1100	4000	5000	ug/L
1912-24-9	Atrazine	38900		1300	4000	5000	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBP081324			SDG No.:	BP081324
Lab Sample ID:	SSTDICV040			Matrix:	Water
Analytical Method:	8270E			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000 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
BP021489.D	1		8/13/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	44400		1900	8000	10000	ug/L
85-01-8	Phenanthrene	39500		890	4000	5000	ug/L
120-12-7	Anthracene	39600		1100	4000	5000	ug/L
86-74-8	Carbazole	37500		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	38500		1500	4000	5000	ug/L
206-44-0	Fluoranthene	36300		1300	4000	5000	ug/L
92-87-5	Benzidine	30300		4100	8000	10000	ug/L
129-00-0	Pyrene	43000		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	41600		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	40900		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	40200		940	4000	5000	ug/L
218-01-9	Chrysene	39800		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	43400		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	39900		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	40400		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	40000		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	40700		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	41100		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	41200		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	41500		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	40300		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	37900		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	42300		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	40200		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	80810	*	10-139		53873	SPK: -150
13127-88-3	Phenol-d6	85856	*	10-134		57237	SPK: -150
4165-60-0	Nitrobenzene-d5	89361	*	49-133		89361	SPK: -100
321-60-8	2-Fluorobiphenyl	78649	*	52-132		78649	SPK: -100

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Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBP081324			SDG No.:	BP081324		
Lab Sample ID:	SSTDICV040			Matrix:	Water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000		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
BP021489.D	1		8/13/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	83477	*	44-137		55651	SPK: -150
1718-51-0	Terphenyl-d14	86216	*	48-125		86216	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	443421	7.805				
1146-65-2	Naphthalene-d8	2000407	10.599				
15067-26-2	Acenaphthene-d10	1334240	14.463				
1517-22-2	Phenanthrene-d10	2538103	17.257				
1719-03-5	Chrysene-d12	1932921	21.716				
1520-96-3	Perylene-d12	2127555	25.121				

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Report of Analysis

Client:				Date Collected:	8/9/2024 12:00:00 AM
Project:				Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162612TB			SDG No.:	BP081324
Lab Sample ID:	PB162612TB			Matrix:	Water
Analytical Method:	8270E			% 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
BP021490.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L

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Report of Analysis

Client:				Date Collected:	8/9/2024 12:00:00 AM
Project:				Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162612TB			SDG No.:	BP081324
Lab Sample ID:	PB162612TB			Matrix:	Water
Analytical Method:	8270E			% 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
BP021490.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture	2.7	U	2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L

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

Report of Analysis

Client:				Date Collected:	8/9/2024 12:00:00 AM
Project:				Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162612TB			SDG No.:	BP081324
Lab Sample ID:	PB162612TB			Matrix:	Water
Analytical Method:	8270E			% 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
BP021490.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	132.458		10-139		88	SPK: -150
13127-88-3	Phenol-d6	124.753		10-134		83	SPK: -150
4165-60-0	Nitrobenzene-d5	94.436		49-133		94	SPK: -100
321-60-8	2-Fluorobiphenyl	82.917		52-132		83	SPK: -100

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Report of Analysis

Client:				Date Collected:	8/9/2024 12:00:00 AM
Project:				Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162612TB			SDG No.:	BP081324
Lab Sample ID:	PB162612TB			Matrix:	Water
Analytical Method:	8270E			% 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
BP021490.D	1	8/9/2024 12:00:00 AM	8/13/2024 12:00:00 AM	PB162612

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	136.049		44-137		91	SPK: -150
1718-51-0	Terphenyl-d14	90.149		48-125		90	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	358453	7.81				
1146-65-2	Naphthalene-d8	1426812	10.593				
15067-26-2	Acenaphthene-d10	952312	14.445				
1517-22-2	Phenanthrene-d10	2034866	17.245				
1719-03-5	Chrysene-d12	1809314	21.704				
1520-96-3	Perylene-d12	2019682	25.104				

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: BP081324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**ICVBP081324**							
SSTDICV040	ICVBP081324	Water	1,1-Biphenyl	39,500.000		910	5000	ug/L
SSTDICV040	ICVBP081324	Water	1,2,4,5-Tetrachlorobenzene	40,300.000		1100	5000	ug/L
SSTDICV040	ICVBP081324	Water	1,2,4-Trichlorobenzene	39,100.000		1100	5000	ug/L
SSTDICV040	ICVBP081324	Water	1,2-Dichlorobenzene	39,900.000		880	5000	ug/L
SSTDICV040	ICVBP081324	Water	1,3-Dichlorobenzene	39,700.000		800	5000	ug/L
SSTDICV040	ICVBP081324	Water	1,4-Dichlorobenzene	39,600.000		840	5000	ug/L
SSTDICV040	ICVBP081324	Water	1,4-Dioxane	37,900.000		1300	5000	ug/L
SSTDICV040	ICVBP081324	Water	1-Methylnaphthalene	40,200.000		860	5000	ug/L
SSTDICV040	ICVBP081324	Water	2,2-oxybis(1-Chloropropane)	41,900.000		1400	5000	ug/L
SSTDICV040	ICVBP081324	Water	2,3,4,6-Tetrachlorophenol	42,300.000		790	5000	ug/L
SSTDICV040	ICVBP081324	Water	2,4,5-Trichlorophenol	44,400.000		1000	5000	ug/L
SSTDICV040	ICVBP081324	Water	2,4,6-Trichlorophenol	44,200.000		890	5000	ug/L
SSTDICV040	ICVBP081324	Water	2,4-Dichlorophenol	43,400.000		880	5000	ug/L
SSTDICV040	ICVBP081324	Water	2,4-Dimethylphenol	41,200.000		1500	5000	ug/L
SSTDICV040	ICVBP081324	Water	2,4-Dinitrophenol	45,100.000		6400	10000	ug/L
SSTDICV040	ICVBP081324	Water	2,4-Dinitrotoluene	40,900.000		1500	5000	ug/L
SSTDICV040	ICVBP081324	Water	2,6-Dinitrotoluene	41,400.000		1200	5000	ug/L
SSTDICV040	ICVBP081324	Water	2-Chloronaphthalene	39,700.000		970	5000	ug/L
SSTDICV040	ICVBP081324	Water	2-Chlorophenol	42,300.000		710	5000	ug/L
SSTDICV040	ICVBP081324	Water	2-Methylnaphthalene	40,400.000		1100	5000	ug/L
SSTDICV040	ICVBP081324	Water	2-Methylphenol	43,700.000		1100	5000	ug/L
SSTDICV040	ICVBP081324	Water	2-Nitroaniline	43,000.000		1400	5000	ug/L
SSTDICV040	ICVBP081324	Water	2-Nitrophenol	47,800.000		2000	5000	ug/L
SSTDICV040	ICVBP081324	Water	3+4-Methylphenols	44,900.000		1200	10000	ug/L
SSTDICV040	ICVBP081324	Water	3,3-Dichlorobenzidine	40,900.000		1300	10000	ug/L
SSTDICV040	ICVBP081324	Water	3-Nitroaniline	40,500.000		1400	5000	ug/L
SSTDICV040	ICVBP081324	Water	4,6-Dinitro-2-methylphenol	46,300.000		3100	10000	ug/L
SSTDICV040	ICVBP081324	Water	4-Bromophenyl-phenylether	42,300.000		950	5000	ug/L
SSTDICV040	ICVBP081324	Water	4-Chloro-3-methylphenol	43,000.000		840	5000	ug/L
SSTDICV040	ICVBP081324	Water	4-Chloroaniline	40,600.000		1300	5000	ug/L
SSTDICV040	ICVBP081324	Water	4-Chlorophenyl-phenylether	38,800.000		980	5000	ug/L
SSTDICV040	ICVBP081324	Water	4-Nitroaniline	38,300.000		2000	5000	ug/L
SSTDICV040	ICVBP081324	Water	4-Nitrophenol	39,600.000		2000	10000	ug/L
SSTDICV040	ICVBP081324	Water	Acenaphthene	39,400.000		810	5000	ug/L
SSTDICV040	ICVBP081324	Water	Acenaphthylene	39,500.000		1000	5000	ug/L
SSTDICV040	ICVBP081324	Water	Acetophenone	39,900.000		1100	5000	ug/L
SSTDICV040	ICVBP081324	Water	Aniline	41,600.000		1600	5000	ug/L

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Hit Summary Sheet
SW-846

SDG No.: BP081324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP081324	Water	Anthracene	39,600.000		1100	5000	ug/L
SSTDICV040	ICVBP081324	Water	Atrazine	38,900.000		1300	5000	ug/L
SSTDICV040	ICVBP081324	Water	Azobenzene	37,800.000		1200	5000	ug/L
SSTDICV040	ICVBP081324	Water	Benzaldehyde	40,400.000		4000	10000	ug/L
SSTDICV040	ICVBP081324	Water	Benzidine	30,300.000		4100	10000	ug/L
SSTDICV040	ICVBP081324	Water	Benzo(a)anthracene	40,200.000		940	5000	ug/L
SSTDICV040	ICVBP081324	Water	Benzo(a)pyrene	40,700.000		1700	5000	ug/L
SSTDICV040	ICVBP081324	Water	Benzo(b)fluoranthene	40,400.000		1100	5000	ug/L
SSTDICV040	ICVBP081324	Water	Benzo(g,h,i)perylene	41,500.000		1200	5000	ug/L
SSTDICV040	ICVBP081324	Water	Benzo(k)fluoranthene	40,000.000		1200	5000	ug/L
SSTDICV040	ICVBP081324	Water	Benzoic acid	49,800.000		5500	10000	ug/L
SSTDICV040	ICVBP081324	Water	Benzyl Alcohol	44,500.000		1600	10000	ug/L
SSTDICV040	ICVBP081324	Water	bis(2-Chloroethoxy)methane	40,400.000		1000	5000	ug/L
SSTDICV040	ICVBP081324	Water	bis(2-Chloroethyl)ether	41,500.000		1200	5000	ug/L
SSTDICV040	ICVBP081324	Water	Bis(2-ethylhexyl)phthalate	43,400.000		1900	5000	ug/L
SSTDICV040	ICVBP081324	Water	Butylbenzylphthalate	41,600.000		2100	5000	ug/L
SSTDICV040	ICVBP081324	Water	Caprolactam	41,800.000		1700	10000	ug/L
SSTDICV040	ICVBP081324	Water	Carbazole	37,500.000		1200	5000	ug/L
SSTDICV040	ICVBP081324	Water	Chrysene	39,800.000		860	5000	ug/L
SSTDICV040	ICVBP081324	Water	Di-n-butylphthalate	38,500.000		1500	5000	ug/L
SSTDICV040	ICVBP081324	Water	Di-n-octyl phthalate	39,900.000		2500	10000	ug/L
SSTDICV040	ICVBP081324	Water	Dibenzo(a,h)anthracene	41,200.000		1200	5000	ug/L
SSTDICV040	ICVBP081324	Water	Dibenzofuran	38,500.000		930	5000	ug/L
SSTDICV040	ICVBP081324	Water	Diethylphthalate	37,800.000		1000	5000	ug/L
SSTDICV040	ICVBP081324	Water	Dimethylphthalate	39,100.000		930	5000	ug/L
SSTDICV040	ICVBP081324	Water	Fluoranthene	36,300.000		1300	5000	ug/L
SSTDICV040	ICVBP081324	Water	Fluorene	38,100.000		960	5000	ug/L
SSTDICV040	ICVBP081324	Water	Hexachlorobenzene	41,200.000		1100	5000	ug/L
SSTDICV040	ICVBP081324	Water	Hexachlorobutadiene	39,100.000		1300	5000	ug/L
SSTDICV040	ICVBP081324	Water	Hexachlorocyclopentadiene	43,200.000		5000	10000	ug/L
SSTDICV040	ICVBP081324	Water	Hexachloroethane	40,800.000		1000	5000	ug/L
SSTDICV040	ICVBP081324	Water	Indeno(1,2,3-cd)pyrene	41,100.000		1000	5000	ug/L
SSTDICV040	ICVBP081324	Water	Isophorone	40,700.000		1100	5000	ug/L
SSTDICV040	ICVBP081324	Water	n-Nitroso-di-n-propylamine	43,300.000		1500	2500	ug/L
SSTDICV040	ICVBP081324	Water	n-Nitrosodimethylamine	40,200.000		1000	10000	ug/L
SSTDICV040	ICVBP081324	Water	n-Nitrosodiphenylamine	42,100.000		890	5000	ug/L
SSTDICV040	ICVBP081324	Water	Naphthalene	39,600.000		1000	5000	ug/L
SSTDICV040	ICVBP081324	Water	Nitrobenzene	43,200.000		1300	5000	ug/L
SSTDICV040	ICVBP081324	Water	Pentachlorophenol	44,400.000		1900	10000	ug/L
SSTDICV040	ICVBP081324	Water	Phenanthrene	39,500.000		890	5000	ug/L

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

Hit Summary Sheet
SW-846

SDG No.: BP081324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP081324	Water	Phenol	42,600.000		930	5000	ug/L
SSTDICV040	ICVBP081324	Water	Pyrene	43,000.000		1100	5000	ug/L
SSTDICV040	ICVBP081324	Water	Pyridine	40,400.000		1600	5000	ug/L
SSTDICV040	ICVBP081324	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	82,300.000		2700	10000	ug/L
SSTDICV040	ICVBP081324	Water	Total PAH	639,900.000		17360	80000	ug/L
			Total Svoc :	**3,999,600.00**				
			Total Concentration:	**3,999,600.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP081324 SAS No.: BP081324 SDG No.: BP081324

Instrument ID: Calibration Date(s): 8/13/2024

Calibration Time(s): 12:32

LAB FILE ID: RRF2.5 = BP021481.D RRF005 = BP021482.D RRF010 = BP021483.D
RRF020 = BP021484.D RRF040 = BP021485.D RRF050 = BP021486.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.545	0.525	0.568	0.532	0.516	0.536	3.4
Pyridine		1.744	1.720	1.915	1.802	1.741	1.783	4.0
2-Fluorophenol		1.332	1.286	1.405	1.348	1.324	1.347	3.2
Benzaldehyde		1.364	1.447	1.409	1.198	1.073	1.258	13.7
Aniline		1.964	2.035	2.053	1.978	1.925	1.964	3.6
Phenol-d6		1.897	1.960	2.062	1.978	1.953	1.965	2.9
Phenol		1.968	2.023	2.138	2.045	2.020	2.035	2.9
bis(2-Chloroethyl)ether		1.757	1.800	1.787	1.702	1.680	1.722	3.5
2-Chlorophenol		1.199	1.221	1.291	1.250	1.236	1.245	2.7
1,2-Dichlorobenzene		1.523	1.475	1.513	1.410	1.377	1.439	4.6
1,3-Dichlorobenzene		1.579	1.479	1.546	1.452	1.422	1.479	4.3
1,4-Dichlorobenzene		1.571	1.514	1.553	1.475	1.435	1.493	3.9
Benzyl Alcohol		1.306	1.454	1.474	1.415	1.417	1.410	4.1
2-Methylphenol		1.257	1.313	1.350	1.290	1.277	1.286	3.0
2,2-oxybis(1-Chloropropane)		1.639	1.716	1.642	1.546	1.549	1.585	5.2
Acetophenone		0.636	0.621	0.643	0.612	0.591	0.614	3.3
3+4-Methylphenols		1.595	1.820	1.795	1.758	1.734	1.734	4.5
n-Nitroso-di-n-propylamine	1.329	1.436	1.555	1.433	1.340	1.308	1.357	8.4
Nitrobenzene-d5		0.300	0.339	0.386	0.410	0.412	0.387	13.1
Hexachloroethane		0.599	0.590	0.617	0.594	0.587	0.599	2.0
Nitrobenzene		0.338	0.385	0.430	0.443	0.435	0.421	10.4
Isophorone		0.947	0.970	0.951	0.913	0.877	0.915	4.5
2-Nitrophenol		0.054	0.063	0.076	0.094	0.107	0.086	30.3
2,4-Dimethylphenol		0.218	0.225	0.232	0.225	0.221	0.226	2.3
bis(2-Chloroethoxy)methane		0.577	0.574	0.572	0.549	0.542	0.559	2.7
2,4-Dichlorophenol		0.226	0.249	0.270	0.273	0.275	0.267	8.4
1,2,4-Trichlorobenzene		0.355	0.332	0.347	0.340	0.331	0.342	2.6
Benzoic acid			0.082	0.104	0.129	0.151	0.137	29.1
Naphthalene		1.084	1.041	1.074	1.041	1.002	1.045	2.6
4-Chloroaniline		0.394	0.403	0.406	0.395	0.379	0.392	2.6
Hexachlorobutadiene		0.217	0.213	0.218	0.215	0.210	0.215	1.5
Caprolactam		0.099	0.115	0.118	0.114	0.109	0.111	5.4
4-Chloro-3-methylphenol		0.332	0.375	0.382	0.383	0.370	0.370	4.7
2-Methylnaphthalene		0.747	0.742	0.730	0.705	0.683	0.713	3.8
Hexachlorocyclopentadiene		0.159	0.153	0.174	0.192	0.195	0.186	13.2
2,4,6-Trichlorophenol		0.261	0.284	0.318	0.343	0.339	0.326	12.5

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP081324 SAS No.: BP081324 SDG No.: BP081324

Instrument ID: Calibration Date(s): 8/13/2024

Calibration Time(s): 12:32

LAB FILE ID: RRF2.5 = BP021481.D RRF005 = BP021482.D RRF010 = BP021483.D
RRF020 = BP021484.D RRF040 = BP021485.D RRF050 = BP021486.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.371	1.314	1.335	1.327	1.264	1.310	3.1
2,4,5-Trichlorophenol		0.284	0.316	0.360	0.382	0.378	0.362	12.7
1,1-Biphenyl		1.462	1.400	1.434	1.428	1.362	1.415	2.4
2-Chloronaphthalene		1.121	1.075	1.117	1.116	1.065	1.102	2.3
2-Nitroaniline		0.146	0.181	0.231	0.285	0.294	0.256	28.1
Dimethylphthalate		1.387	1.365	1.369	1.352	1.276	1.339	3.2
Acenaphthylene		1.660	1.610	1.657	1.645	1.561	1.619	2.5
2,6-Dinitrotoluene		0.129	0.187	0.227	0.255	0.261	0.232	24.3
3-Nitroaniline		0.127	0.185	0.221	0.254	0.254	0.228	24.3
Acenaphthene		1.094	1.058	1.074	1.073	1.023	1.063	2.2
2,4-Dinitrophenol			0.045	0.052	0.066	0.073	0.069	27.0
4-Nitrophenol			0.141	0.177	0.202	0.201	0.195	16.3
Dibenzofuran		1.735	1.637	1.677	1.649	1.563	1.635	3.7
2,4-Dinitrotoluene		0.140	0.214	0.262	0.320	0.328	0.284	29.5
Diethylphthalate		1.405	1.395	1.427	1.397	1.318	1.374	3.3
4-Chlorophenyl-phenylether		0.741	0.724	0.718	0.695	0.656	0.694	5.2
Fluorene		1.431	1.400	1.408	1.354	1.260	1.343	5.7
4-Nitroaniline		0.148	0.198	0.242	0.273	0.262	0.241	21.1
4,6-Dinitro-2-methylphenol			0.031	0.039	0.052	0.060	0.054	30.9
n-Nitrosodiphenylamine		0.534	0.541	0.549	0.538	0.523	0.536	1.5
Azobenzene		1.797	1.779	1.778	1.714	1.555	1.689	6.2
2,4,6-Tribromophenol		0.179	0.204	0.222	0.236	0.231	0.223	10.5
4-Bromophenyl-phenylether		0.211	0.210	0.212	0.207	0.210	0.212	1.4
Hexachlorobenzene		0.255	0.249	0.250	0.252	0.245	0.250	1.3
Atrazine		0.181	0.186	0.196	0.191	0.179	0.184	4.0
Pentachlorophenol			0.108	0.125	0.137	0.143	0.137	13.1
Phenanthrene		0.990	0.963	0.998	0.965	0.932	0.962	2.7
Anthracene		0.954	0.955	0.970	0.950	0.915	0.943	2.2
Carbazole		0.908	0.906	0.941	0.930	0.873	0.909	2.5
Di-n-butylphthalate		1.049	1.065	1.149	1.149	1.133	1.116	3.7
Fluoranthene		1.215	1.153	1.233	1.200	1.137	1.180	3.2
Benzidine			0.297	0.451	0.477	0.476	0.420	16.1
Pyrene		1.283	1.470	1.295	1.290	1.262	1.307	5.6
Terphenyl-d14		1.069	1.196	1.034	1.006	0.973	1.029	8.2
Butylbenzylphthalate		0.298	0.365	0.411	0.470	0.489	0.437	18.8
3,3-Dichlorobenzidine		0.349	0.358	0.413	0.428	0.419	0.403	8.5

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP081324 SAS No.: BP081324 SDG No.: BP081324

Instrument ID: Calibration Date(s): 8/13/2024

Calibration Time(s): 12:32

LAB FILE ID: RRF2.5 = BP021481.D RRF005 = BP021482.D RRF010 = BP021483.D
RRF020 = BP021484.D RRF040 = BP021485.D RRF050 = BP021486.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.271	1.247	1.291	1.268	1.224	1.256	1.8
Chrysene		1.213	1.180	1.205	1.197	1.151	1.185	1.8
Bis(2-ethylhexyl)phthalate		0.607	0.635	0.741	0.781	0.804	0.742	11.7
Di-n-octyl phthalate			0.839	1.115	1.247	1.285	1.199	16.5
Benzo(b)fluoranthene		1.106	1.152	1.158	1.155	1.119	1.149	2.4
Benzo(k)fluoranthene		1.115	1.101	1.124	1.141	1.103	1.121	1.7
Benzo(a)pyrene		0.953	0.953	1.003	1.012	0.996	0.997	3.3
Indeno(1,2,3-cd)pyrene		1.244	1.156	1.317	1.327	1.297	1.296	5.8
Dibenzo(a,h)anthracene		1.034	0.965	1.106	1.102	1.080	1.077	5.5
Benzo(g,h,i)perylene		1.052	0.955	1.096	1.102	1.074	1.080	5.9
1,2,4,5-Tetrachlorobenzene		0.574	0.543	0.592	0.595	0.578	0.586	4.0
1,4-Dioxane		0.685	0.614	0.681	0.642	0.599	0.639	5.4
2,3,4,6-Tetrachlorophenol		0.250	0.278	0.302	0.328	0.317	0.307	10.7
1-Methylnaphthalene		0.742	0.735	0.725	0.697	0.673	0.703	4.4

All other compounds must meet a minimum RRF of 0.010.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP081324 SAS No.: BP081324 SDG NO.: BP081324

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 13 2024 12:00AM

Lab File ID: BP021485.D Time Analyzed: 19:03

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	334672	7.811	1.37913e+0(	10.60	890240	14.46
	UPPER LIMIT	669344	8.311	2758260	11.099	1780480	14.957
	LOWER LIMIT	167336	7.311	689565	10.099	445120	13.957
	EPA SAMPLE NO.						
01	ICVBP081324	443421	7.81	2.00041e	10.60	1.33424e	14.46
02	PB162612TB	358453	7.81	1.42681e	10.59	952312	14.45

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP081324 SAS No.: BP081324 SDG NO.: BP081324

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 13 2024 12:00AM

Lab File ID: BP021485.D Time Analyzed: 19:03

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	334672	7.811	1.37913e+0(	10.60	890240	14.46
	UPPER LIMIT	669344	8.311	2758260	11.099	1780480	14.957
	LOWER LIMIT	167336	7.311	689565	10.099	445120	13.957
	EPA SAMPLE NO.						
01	ICVBP081324	443421	7.81	2.00041e	10.60	1.33424e	14.46
02	PB162612TB	358453	7.81	1.42681e	10.59	952312	14.45

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP081324 SAS No.: BP081324 SDG NO.: BP081324

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 13 2024 12:00AM

Lab File ID: BP021485.D Time Analyzed: 19:03

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1.90528e+0(	17.251	1.82007e+	21.698	2.08533e+0(	25.104
	UPPER LIMIT	3810560	17.751	3640140	22.198	4170660	25.604
	LOWER LIMIT	952640	16.751	910035	21.198	1042665	24.604
	EPA SAMPLE NO.						
01	ICVBP081324	2.5381e	17.26	1.93292e+	21.72	2.12756e+	25.12
02	PB162612TB	2.03487	17.25	1.80931e+	21.70	2.01968e+	25.10

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP081324 SAS No.: BP081324 SDG NO.: BP081324

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 13 2024 12:00AM

Lab File ID: BP021485.D Time Analyzed: 19:03

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1.90528e+0(	17.251	1.82007e+	21.698	2.08533e+0(	25.104
	UPPER LIMIT	3810560	17.751	3640140	22.198	4170660	25.604
	LOWER LIMIT	952640	16.751	910035	21.198	1042665	24.604
	EPA SAMPLE NO.						
01	ICVBP081324	2.5381e	17.26	1.93292e+	21.72	2.12756e+	25.12
02	PB162612TB	2.03487	17.25	1.80931e+	21.70	2.01968e+	25.10

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBP081324

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP081324 SAS No.: BP081324 SDG NO.: BP081324

Lab File ID: BP021489.D Lab Sample ID: SSTDICV040

Instrument ID: BNA_P Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 08/13/2024

Level: (low/med) LOW Time Analyzed: 19:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBP081324	SSTDICV040	BP021489.D	08/13/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162612TB

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP081324 SAS No.: BP081324 SDG NO.: BP081324

Lab File ID: BP021490.D Lab Sample ID: PB162612TB

Instrument ID: BNA_P Date Extracted: 08/09/2024

Matrix: (soil/water) Water Date Analyzed: 08/13/2024

Level: (low/med) LOW Time Analyzed: 19:46

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162612TB	PB162612TB	BP021490.D	08/13/2024

COMMENTS:

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Surrogate Summary

SW-846

SDG No.: BP081324

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDICV040	ICVBP081324	BP021489.D	2-Fluorophenol	150	80,810.00	53873	*	10	139
			Phenol-d6	150	85,856.00	57237	*	10	134
			Nitrobenzene-d5	100	89,361.00	89361	*	49	133
			2-Fluorobiphenyl	100	78,649.00	78649	*	52	132
			2,4,6-Tribromophenol	150	83,477.00	55651	*	44	137
			Terphenyl-d14	100	86,216.00	86216	*	48	125

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Surrogate Summary

SW-846

SDG No.: BP081324

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB162612TB	PB162612TB	BP021490.D	2-Fluorophenol	150	132.46	88		10	139
			Phenol-d6	150	124.75	83		10	134
			Nitrobenzene-d5	100	94.44	94		49	133
			2-Fluorobiphenyl	100	82.92	83		52	132
			2,4,6-Tribromophenol	150	136.05	91		44	137
			Terphenyl-d14	100	90.15	90		48	125

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BP081324

Lab Code: CHEM SAS No.: BP081324 SDG NO.: BP081324

Lab File ID: BP021480.D DFTPP Injection Date: 08/13/2024

Instrument ID: BNA_P DFTPP Injection Time: 11:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.1
68	Less than 2.0% of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	40.6
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	43.9
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	28.5
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	97.2
443	15.0 - 24.0% of mass 442	18.7 (19.3) 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
SSTDICC2.5	SSTDICC2.5	BP021481.D	08/13/2024	12:32
SSTDICC005	SSTDICC005	BP021482.D	08/13/2024	13:15
SSTDICC010	SSTDICC010	BP021483.D	08/13/2024	13:59
SSTDICC020	SSTDICC020	BP021484.D	08/13/2024	14:42
SSTDICCC040	SSTDICCC040	BP021485.D	08/13/2024	15:26
SSTDICC050	SSTDICC050	BP021486.D	08/13/2024	16:09
SSTDICC060	SSTDICC060	BP021487.D	08/13/2024	16:53
SSTDICC080	SSTDICC080	BP021488.D	08/13/2024	17:36
ICVBP081324	SSTDICV040	BP021489.D	08/13/2024	19:03
PB162612TB	PB162612TB	BP021490.D	08/13/2024	19:46