CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP052424 SAS No.: BP052424 SDG No.: BP052424

Instrument ID: BNA_P Calibration Date/Time: 5/24/2024 12 13:00

Lab File ID: BP020451.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	0.590	0.594		0.678	
Pyridine	1.275	1.256		-1.49	
2-Fluorophenol	1.143	1.152		0.787	
Benzaldehyde	0.969	0.880		-9.185	
Aniline	1.608	1.562		-2.861	
Phenol-d6	1.581	1.560		-1.328	
Phenol	1.605	1.587		-1.121	20.0
bis(2-Chloroethyl)ether	1.329	1.311		-1.354	
2-Chlorophenol	1.252	1.242		-0.799	
1,2-Dichlorobenzene	1.438	1.427		-0.765	
1,3-Dichlorobenzene	1.480	1.467		-0.878	
1,4-Dichlorobenzene	1.501	1.494		-0.466	20.0
Benzyl Alcohol	1.151	1.117		-2.954	
2-Methylphenol	1.088	1.068		-1.838	
2,2-oxybis(1-Chloropropane)	1.987	1.949		-1.912	
Acetophenone	0.493	0.493		0.0	
3+4-Methylphenols	1.487	1.438		-3.295	
n-Nitroso-di-n-propylamine	1.076	1.022	0.050	-5.019	
Nitrobenzene-d5	0.337	0.355		5.341	
Hexachloroethane	0.534	0.539		0.936	
Nitrobenzene	0.346	0.360		4.046	
Isophorone	0.719	0.701		-2.503	
2-Nitrophenol	0.106	0.123		16.038	20.0
2,4-Dimethylphenol	0.216	0.214		-0.926	
bis(2-Chloroethoxy)methane	0.438	0.438		0.0	
2,4-Dichlorophenol	0.288	0.290		0.694	20.0
1,2,4-Trichlorobenzene	0.342	0.343		0.292	
Benzoic acid	0.161	0.153		-4.969	
Naphthalene	1.020	1.024		0.392	
4-Chloroaniline	0.394	0.383		-2.792	
Hexachlorobutadiene	0.212	0.216		1.887	20.0
Caprolactam	0.100	0.091		-9.0	
4-Chloro-3-methylphenol	0.328	0.315		-3.963	20.0
2-Methylnaphthalene	0.724	0.713		-1.519	
Hexachlorocyclopentadiene	0.205	0.222	0.050	8.293	
2,4,6-Trichlorophenol	0.351	0.365		3.989	20.0
2-Fluorobiphenyl	1.359	1.392		2.428	
2,4,5-Trichlorophenol	0.386	0.396		2.591	
1,1-Biphenyl	1.427	1.446		1.331	

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Lab Code: CHEM Case No.: BP052424 SAS No.: BP052424 SDG No.: BP052424

Instrument ID: BNA_P Calibration Date/Time: 5/24/2024 12 13:00

Lab File ID: BP020451.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	1.126	1.123		-0.266	
2-Nitroaniline	0.259	0.270		4.247	
Dimethylphthalate	1.378	1.336		-3.048	
Acenaphthylene	1.680	1.682		0.119	
2,6-Dinitrotoluene	0.265	0.274		3.396	
3-Nitroaniline	0.260	0.262		0.769	
Acenaphthene	1.088	1.076		-1.103	20.0
2,4-Dinitrophenol	0.083	0.073	0.050	-12.048	
4-Nitrophenol	0.215	0.204	0.050	-5.116	
Dibenzofuran	1.650	1.610		-2.424	
2,4-Dinitrotoluene	0.329	0.336		2.128	
Diethylphthalate	1.404	1.319		-6.054	
4-Chlorophenyl-phenylether	0.685	0.661		-3.504	
Fluorene	1.327	1.278		-3.693	
4-Nitroaniline	0.263	0.256		-2.662	
4,6-Dinitro-2-methylphenol	0.067	0.063		-5.97	
n-Nitrosodiphenylamine	0.572	0.581		1.573	20.0
Azobenzene	1.313	1.266		-3.58	
2,4,6-Tribromophenol	0.207	0.200		-3.382	
4-Bromophenyl-phenylether	0.212	0.215		1.415	
Hexachlorobenzene	0.244	0.246		0.82	
Atrazine	0.199	0.193		-3.015	
Pentachlorophenol	0.135	0.139		2.963	20.0
Phenanthrene	0.987	0.990		0.304	
Anthracene	0.978	0.972		-0.613	
Carbazole	0.926	0.924		-0.216	
Di-n-butylphthalate	1.168	1.164		-0.342	
Fluoranthene	1.151	1.146		-0.434	20.0
Benzidine	0.499	0.497		-0.401	
Pyrene	1.512	1.392		-7.937	
Terphenyl-d14	1.209	1.115		-7.775	
Butylbenzylphthalate	0.553	0.550		-0.542	
3,3-Dichlorobenzidine	0.417	0.449		7.674	
Benzo(a)anthracene	1.320	1.298		-1.667	
Chrysene	1.239	1.254		1.211	
Bis(2-ethylhexyl)phthalate	0.858	0.870		1.399	
Di-n-octyl phthalate	1.315	1.469		11.711	20.0
Benzo(b)fluoranthene	1.208	1.156		-4.305	
Benzo(k)fluoranthene	1.168	1.139		-2.483	

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Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP052424 SAS No.: BP052424 SDG No.: BP052424

Instrument ID: BNA_P Calibration Date/Time: 5/24/2024 12 13:00

Lab File ID: BP020451.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	1.046	1.043		-0.287	20.0
Indeno(1,2,3-cd)pyrene	1.303	1.361		4.451	
Dibenzo(a,h)anthracene	1.081	1.124		3.978	
Benzo(g,h,i)perylene	1.086	1.132		4.236	
1,2,4,5-Tetrachlorobenzene	0.582	0.604		3.78	
1,4-Dioxane	0.456	0.464		1.754	20.0
2,3,4,6-Tetrachlorophenol	0.318	0.310		-2.516	
1-Methylnaphthalene	0.714	0.692		-3.081	

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:	ICVBP052424			SDG No.:	BP052424
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
BP020455.D	1		5/24/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	40900		1000	8000	10000	ug/L
110-86-1	Pyridine	40000		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	40700		4000	8000	10000	ug/L
62-53-3	Aniline	38700		1600	4000	5000	ug/L
108-95-2	Phenol	39700		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	38800		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	40000		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	39800		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	40200		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	39600		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	39600		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	39400		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38600		1400	4000	5000	ug/L
98-86-2	Acetophenone	38900		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	39600		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	37900		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	40900		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	42100		1300	4000	5000	ug/L
78-59-1	Isophorone	38800		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	44800		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	39800		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39300		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	40900		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	39800		1100	4000	5000	ug/L
65-85-0	Benzoic acid	42300		5500	8000	10000	ug/L
91-20-3	Naphthalene	39900		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	39200		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	40700		1300	4000	5000	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBP052424			SDG No.:	BP052424
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
BP020455.D	1		5/24/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	38100		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	38900		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	38600		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	43100		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	43200		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	43700		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	40800		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	41000		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	42000		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	39500		930	4000	5000	ug/L
208-96-8	Acenaphthylene	40500		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	44400		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	44900		1400	4000	5000	ug/L
83-32-9	Acenaphthene	40700		810	4000	5000	ug/L
Total PAH	Total PAH	637800		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	45500		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	43300		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	40200		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	41500		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixtur	85900		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	39500		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	39100		980	4000	5000	ug/L
86-73-7	Fluorene	39000		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	44800		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	43600		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	39700		890	4000	5000	ug/L
103-33-3	Azobenzene	39200		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	39700		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	39300		1100	4000	5000	ug/L
1912-24-9	Atrazine	39600		1300	4000	5000	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBP052424			SDG No.:	BP052424
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
BP020455.D	1		5/24/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	44200		1900	8000	10000	ug/L
85-01-8	Phenanthrene	40200		890	4000	5000	ug/L
120-12-7	Anthracene	39900		1100	4000	5000	ug/L
86-74-8	Carbazole	41100		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	40500		1500	4000	5000	ug/L
206-44-0	Fluoranthene	41100		1300	4000	5000	ug/L
92-87-5	Benzidine	48900		4100	8000	10000	ug/L
129-00-0	Pyrene	35300		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	40600		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	44300		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	39600		940	4000	5000	ug/L
218-01-9	Chrysene	39800		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	41100		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	45500		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	38900		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	39400		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	39700		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	41600		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	41100		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	41100		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41900		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	40200		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	41300		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	38800		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	80429	*	10-139		53619	SPK: -150
13127-88-3	Phenol-d6	79310	*	10-134		52873	SPK: -150
4165-60-0	Nitrobenzene-d5	86197	*	49-133		86197	SPK: -100
321-60-8	2-Fluorobiphenyl	81575	*	52-132		81575	SPK: -100

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Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBP052424			SDG No.:	BP052424		
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
BP020455.D	1		5/24/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	83206	*	32-145		55471	SPK: -150
1718-51-0	Terphenyl-d14	70894	*	36-145		70894	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	320571	7.775				
1146-65-2	Naphthalene-d8	1297280	10.54				
15067-26-2	Acenaphthene-d10	784440	14.398				
1517-22-2	Phenanthrene-d10	1546465	17.21				
1719-03-5	Chrysene-d12	1411395	21.674				
1520-96-3	Perylene-d12	1637207	25.051				

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Report of Analysis

Client:				Date Collected:	5/17/2024 12:00:00 AM
Project:				Date Received:	5/17/2024 12:00:00 AM
Client Sample ID:	PB160983BL			SDG No.:	BP052424
Lab Sample ID:	PB160983BL			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
BP020456.D	1	5/17/2024 12:00:00 AM	5/24/2024 12:00:00 AM	PB160983

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:	5/17/2024 12:00:00 AM
Project:				Date Received:	5/17/2024 12:00:00 AM
Client Sample ID:	PB160983BL			SDG No.:	BP052424
Lab Sample ID:	PB160983BL			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
BP020456.D	1	5/17/2024 12:00:00 AM	5/24/2024 12:00:00 AM	PB160983

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

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:				Date Collected:	5/17/2024 12:00:00 AM
Project:				Date Received:	5/17/2024 12:00:00 AM
Client Sample ID:	PB160983BL			SDG No.:	BP052424
Lab Sample ID:	PB160983BL			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
BP020456.D	1	5/17/2024 12:00:00 AM	5/24/2024 12:00:00 AM	PB160983

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	130.369		10-139		87	SPK: -150
13127-88-3	Phenol-d6	126.053		10-134		84	SPK: -150
4165-60-0	Nitrobenzene-d5	83.878		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	76.712		52-132		77	SPK: -100

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:				Date Collected:	5/17/2024 12:00:00 AM
Project:				Date Received:	5/17/2024 12:00:00 AM
Client Sample ID:	PB160983BL			SDG No.:	BP052424
Lab Sample ID:	PB160983BL			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
BP020456.D	1	5/17/2024 12:00:00 AM	5/24/2024 12:00:00 AM	PB160983

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	129.82		32-145		87	SPK: -150
1718-51-0	Terphenyl-d14	76.602		36-145		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	353846	7.769				
1146-65-2	Naphthalene-d8	1470907	10.54				
15067-26-2	Acenaphthene-d10	982952	14.392				
1517-22-2	Phenanthrene-d10	2101238	17.204				
1719-03-5	Chrysene-d12	1609083	21.663				
1520-96-3	Perylene-d12	1591594	25.039				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2.7	J			3.046	

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Hit Summary Sheet
SW-846

SDG No.: BP052424

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**ICVBP052424**							
SSTDICV040	ICVBP052424	Water	1,1-Biphenyl	40,800.000		910	5000	ug/L
SSTDICV040	ICVBP052424	Water	1,2,4,5-Tetrachlorobenzene	41,900.000		1100	5000	ug/L
SSTDICV040	ICVBP052424	Water	1,2,4-Trichlorobenzene	39,800.000		1100	5000	ug/L
SSTDICV040	ICVBP052424	Water	1,2-Dichlorobenzene	39,800.000		880	5000	ug/L
SSTDICV040	ICVBP052424	Water	1,3-Dichlorobenzene	40,200.000		800	5000	ug/L
SSTDICV040	ICVBP052424	Water	1,4-Dichlorobenzene	39,600.000		840	5000	ug/L
SSTDICV040	ICVBP052424	Water	1,4-Dioxane	40,200.000		1300	5000	ug/L
SSTDICV040	ICVBP052424	Water	1-Methylnaphthalene	38,800.000		860	5000	ug/L
SSTDICV040	ICVBP052424	Water	2,2-oxybis(1-Chloropropane)	38,600.000		1400	5000	ug/L
SSTDICV040	ICVBP052424	Water	2,3,4,6-Tetrachlorophenol	41,300.000		790	5000	ug/L
SSTDICV040	ICVBP052424	Water	2,4,5-Trichlorophenol	43,700.000		1000	5000	ug/L
SSTDICV040	ICVBP052424	Water	2,4,6-Trichlorophenol	43,200.000		890	5000	ug/L
SSTDICV040	ICVBP052424	Water	2,4-Dichlorophenol	40,900.000		880	5000	ug/L
SSTDICV040	ICVBP052424	Water	2,4-Dimethylphenol	39,800.000		1500	5000	ug/L
SSTDICV040	ICVBP052424	Water	2,4-Dinitrophenol	45,500.000		6400	10000	ug/L
SSTDICV040	ICVBP052424	Water	2,4-Dinitrotoluene	41,500.000		1500	5000	ug/L
SSTDICV040	ICVBP052424	Water	2,6-Dinitrotoluene	44,400.000		1200	5000	ug/L
SSTDICV040	ICVBP052424	Water	2-Chloronaphthalene	41,000.000		970	5000	ug/L
SSTDICV040	ICVBP052424	Water	2-Chlorophenol	40,000.000		710	5000	ug/L
SSTDICV040	ICVBP052424	Water	2-Methylnaphthalene	38,600.000		1100	5000	ug/L
SSTDICV040	ICVBP052424	Water	2-Methylphenol	39,400.000		1100	5000	ug/L
SSTDICV040	ICVBP052424	Water	2-Nitroaniline	42,000.000		1400	5000	ug/L
SSTDICV040	ICVBP052424	Water	2-Nitrophenol	44,800.000		2000	5000	ug/L
SSTDICV040	ICVBP052424	Water	3+4-Methylphenols	39,600.000		1200	10000	ug/L
SSTDICV040	ICVBP052424	Water	3,3-Dichlorobenzidine	44,300.000		1300	10000	ug/L
SSTDICV040	ICVBP052424	Water	3-Nitroaniline	44,900.000		1400	5000	ug/L
SSTDICV040	ICVBP052424	Water	4,6-Dinitro-2-methylphenol	43,600.000		3100	10000	ug/L
SSTDICV040	ICVBP052424	Water	4-Bromophenyl-phenylether	39,700.000		950	5000	ug/L
SSTDICV040	ICVBP052424	Water	4-Chloro-3-methylphenol	38,900.000		840	5000	ug/L
SSTDICV040	ICVBP052424	Water	4-Chloroaniline	39,200.000		1300	5000	ug/L
SSTDICV040	ICVBP052424	Water	4-Chlorophenyl-phenylether	39,100.000		980	5000	ug/L
SSTDICV040	ICVBP052424	Water	4-Nitroaniline	44,800.000		2000	5000	ug/L
SSTDICV040	ICVBP052424	Water	4-Nitrophenol	43,300.000		2000	10000	ug/L
SSTDICV040	ICVBP052424	Water	Acenaphthene	40,700.000		810	5000	ug/L
SSTDICV040	ICVBP052424	Water	Acenaphthylene	40,500.000		1000	5000	ug/L
SSTDICV040	ICVBP052424	Water	Acetophenone	38,900.000		1100	5000	ug/L
SSTDICV040	ICVBP052424	Water	Aniline	38,700.000		1600	5000	ug/L

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Hit Summary Sheet
SW-846

SDG No.: BP052424

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP052424	Water	Anthracene	39,900.000		1100	5000	ug/L
SSTDICV040	ICVBP052424	Water	Atrazine	39,600.000		1300	5000	ug/L
SSTDICV040	ICVBP052424	Water	Azobenzene	39,200.000		1200	5000	ug/L
SSTDICV040	ICVBP052424	Water	Benzaldehyde	40,700.000		4000	10000	ug/L
SSTDICV040	ICVBP052424	Water	Benzidine	48,900.000		4100	10000	ug/L
SSTDICV040	ICVBP052424	Water	Benzo(a)anthracene	39,600.000		940	5000	ug/L
SSTDICV040	ICVBP052424	Water	Benzo(a)pyrene	39,700.000		1700	5000	ug/L
SSTDICV040	ICVBP052424	Water	Benzo(b)fluoranthene	38,900.000		1100	5000	ug/L
SSTDICV040	ICVBP052424	Water	Benzo(g,h,i)perylene	41,100.000		1200	5000	ug/L
SSTDICV040	ICVBP052424	Water	Benzo(k)fluoranthene	39,400.000		1200	5000	ug/L
SSTDICV040	ICVBP052424	Water	Benzoic acid	42,300.000		5500	10000	ug/L
SSTDICV040	ICVBP052424	Water	Benzyl Alcohol	39,600.000		1600	10000	ug/L
SSTDICV040	ICVBP052424	Water	bis(2-Chloroethoxy)methane	39,300.000		1000	5000	ug/L
SSTDICV040	ICVBP052424	Water	bis(2-Chloroethyl)ether	38,800.000		1200	5000	ug/L
SSTDICV040	ICVBP052424	Water	Bis(2-ethylhexyl)phthalate	41,100.000		1900	5000	ug/L
SSTDICV040	ICVBP052424	Water	Butylbenzylphthalate	40,600.000		2100	5000	ug/L
SSTDICV040	ICVBP052424	Water	Caprolactam	38,100.000		1700	10000	ug/L
SSTDICV040	ICVBP052424	Water	Carbazole	41,100.000		1200	5000	ug/L
SSTDICV040	ICVBP052424	Water	Chrysene	39,800.000		860	5000	ug/L
SSTDICV040	ICVBP052424	Water	Di-n-butylphthalate	40,500.000		1500	5000	ug/L
SSTDICV040	ICVBP052424	Water	Di-n-octyl phthalate	45,500.000		2500	10000	ug/L
SSTDICV040	ICVBP052424	Water	Dibenzo(a,h)anthracene	41,100.000		1200	5000	ug/L
SSTDICV040	ICVBP052424	Water	Dibenzofuran	40,200.000		930	5000	ug/L
SSTDICV040	ICVBP052424	Water	Diethylphthalate	39,500.000		1000	5000	ug/L
SSTDICV040	ICVBP052424	Water	Dimethylphthalate	39,500.000		930	5000	ug/L
SSTDICV040	ICVBP052424	Water	Fluoranthene	41,100.000		1300	5000	ug/L
SSTDICV040	ICVBP052424	Water	Fluorene	39,000.000		960	5000	ug/L
SSTDICV040	ICVBP052424	Water	Hexachlorobenzene	39,300.000		1100	5000	ug/L
SSTDICV040	ICVBP052424	Water	Hexachlorobutadiene	40,700.000		1300	5000	ug/L
SSTDICV040	ICVBP052424	Water	Hexachlorocyclopentadiene	43,100.000		5000	10000	ug/L
SSTDICV040	ICVBP052424	Water	Hexachloroethane	40,900.000		1000	5000	ug/L
SSTDICV040	ICVBP052424	Water	Indeno(1,2,3-cd)pyrene	41,600.000		1000	5000	ug/L
SSTDICV040	ICVBP052424	Water	Isophorone	38,800.000		1100	5000	ug/L
SSTDICV040	ICVBP052424	Water	n-Nitroso-di-n-propylamine	37,900.000		1500	2500	ug/L
SSTDICV040	ICVBP052424	Water	n-Nitrosodimethylamine	40,900.000		1000	10000	ug/L
SSTDICV040	ICVBP052424	Water	n-Nitrosodiphenylamine	39,700.000		890	5000	ug/L
SSTDICV040	ICVBP052424	Water	Naphthalene	39,900.000		1000	5000	ug/L
SSTDICV040	ICVBP052424	Water	Nitrobenzene	42,100.000		1300	5000	ug/L
SSTDICV040	ICVBP052424	Water	Pentachlorophenol	44,200.000		1900	10000	ug/L
SSTDICV040	ICVBP052424	Water	Phenanthrene	40,200.000		890	5000	ug/L

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Hit Summary Sheet
SW-846

SDG No.: BP052424

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP052424	Water	Phenol	39,700.000		930	5000	ug/L
SSTDICV040	ICVBP052424	Water	Pyrene	35,300.000		1100	5000	ug/L
SSTDICV040	ICVBP052424	Water	Pyridine	40,000.000		1600	5000	ug/L
SSTDICV040	ICVBP052424	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	85,900.000		2700	10000	ug/L
SSTDICV040	ICVBP052424	Water	Total PAH	637,800.000		17360	80000	ug/L
			Total Svoc :	**3,984,100.00**				
			Total Concentration:	**3,984,100.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP052424 SAS No.: BP052424 SDG No.: BP052424

Instrument ID: Calibration Date(s): 5/24/2024

Calibration Time(s): 10:01

LAB FILE ID: RRF2.5 = BP020447.D RRF005 = BP020448.D RRF010 = BP020449.D
RRF020 = BP020450.D RRF040 = BP020451.D RRF050 = BP020452.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.576	0.580	0.621	0.594	0.576	0.590	2.8
Pyridine		1.259	1.266	1.327	1.256	1.239	1.275	2.4
2-Fluorophenol		1.188	1.137	1.191	1.152	1.107	1.143	3.5
Benzaldehyde		1.178	1.128	1.076	0.880	0.777	0.969	18.6
Aniline		1.653	1.619	1.710	1.562	1.521	1.608	3.9
Phenol-d6		1.622	1.581	1.680	1.560	1.498	1.581	3.9
Phenol		1.635	1.612	1.704	1.587	1.522	1.605	3.7
bis(2-Chloroethyl)ether		1.385	1.344	1.410	1.311	1.262	1.329	4.2
2-Chlorophenol		1.281	1.257	1.315	1.242	1.201	1.252	3.2
1,2-Dichlorobenzene		1.528	1.471	1.512	1.427	1.373	1.438	4.9
1,3-Dichlorobenzene		1.575	1.522	1.545	1.467	1.414	1.480	4.8
1,4-Dichlorobenzene		1.585	1.531	1.579	1.494	1.435	1.501	4.6
Benzyl Alcohol		1.165	1.165	1.227	1.117	1.074	1.151	4.3
2-Methylphenol		1.132	1.080	1.166	1.068	1.028	1.088	4.4
2,2-oxybis(1-Chloropropane)		2.135	2.072	2.129	1.949	1.835	1.987	6.5
Acetophenone		0.523	0.510	0.517	0.493	0.470	0.493	5.1
3+4-Methylphenols		1.496	1.503	1.592	1.438	1.398	1.487	4.1
n-Nitroso-di-n-propylamine	1.070	1.162	1.134	1.194	1.022	0.973	1.076	7.5
Nitrobenzene-d5		0.300	0.313	0.350	0.355	0.343	0.337	6.6
Hexachloroethane		0.549	0.532	0.554	0.539	0.518	0.534	2.9
Nitrobenzene		0.316	0.330	0.360	0.360	0.347	0.346	4.9
Isophorone		0.756	0.748	0.772	0.701	0.671	0.719	5.4
2-Nitrophenol		0.079	0.091	0.111	0.123	0.128	0.106	19.7
2,4-Dimethylphenol		0.219	0.222	0.229	0.214	0.206	0.216	3.9
bis(2-Chloroethoxy)methane		0.459	0.449	0.460	0.438	0.419	0.438	4.5
2,4-Dichlorophenol		0.276	0.279	0.303	0.290	0.282	0.288	3.4
1,2,4-Trichlorobenzene		0.352	0.343	0.354	0.343	0.334	0.342	2.7
Benzoic acid			0.098	0.142	0.153	0.166	0.161	25.0
Naphthalene		1.072	1.040	1.066	1.024	0.985	1.020	4.1
4-Chloroaniline		0.412	0.407	0.419	0.383	0.367	0.394	5.0
Hexachlorobutadiene		0.218	0.211	0.217	0.216	0.210	0.212	2.4
Caprolactam		0.098	0.107	0.112	0.091	0.088	0.100	8.5
4-Chloro-3-methylphenol		0.321	0.332	0.355	0.315	0.304	0.328	5.0
2-Methylnaphthalene		0.771	0.749	0.772	0.713	0.679	0.724	5.6
Hexachlorocyclopentadiene		0.180	0.186	0.204	0.222	0.219	0.205	7.9
2,4,6-Trichlorophenol		0.322	0.329	0.355	0.365	0.354	0.351	5.4

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.: BP052424 SAS No.: BP052424 SDG No.: BP052424

Instrument ID: Calibration Date(s): 5/24/2024

Calibration Time(s): 10:01

LAB FILE ID: RRF2.5 = BP020447.D RRF005 = BP020448.D RRF010 = BP020449.D
RRF020 = BP020450.D RRF040 = BP020451.D RRF050 = BP020452.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.467	1.400	1.405	1.392	1.339	1.359	6.2
2,4,5-Trichlorophenol		0.347	0.357	0.393	0.396	0.392	0.386	6.6
1,1-Biphenyl		1.512	1.442	1.462	1.446	1.402	1.427	4.5
2-Chloronaphthalene		1.201	1.137	1.141	1.123	1.097	1.126	3.9
2-Nitroaniline		0.176	0.209	0.261	0.270	0.276	0.259	19.2
Dimethylphthalate		1.468	1.414	1.447	1.336	1.281	1.378	5.0
Acenaphthylene		1.768	1.705	1.752	1.682	1.612	1.680	4.2
2,6-Dinitrotoluene		0.200	0.233	0.280	0.274	0.270	0.265	13.9
3-Nitroaniline		0.193	0.236	0.282	0.262	0.263	0.260	13.7
Acenaphthene		1.127	1.096	1.119	1.076	1.053	1.088	2.8
2,4-Dinitrophenol			0.054	0.069	0.073	0.083	0.083	27.8
4-Nitrophenol			0.181	0.220	0.204	0.209	0.215	10.1
Dibenzofuran		1.783	1.705	1.716	1.610	1.562	1.650	5.3
2,4-Dinitrotoluene		0.215	0.276	0.352	0.336	0.339	0.329	19.5
Diethylphthalate		1.527	1.487	1.494	1.319	1.282	1.404	6.9
4-Chlorophenyl-phenylether		0.757	0.723	0.721	0.661	0.637	0.685	7.2
Fluorene		1.484	1.431	1.418	1.278	1.224	1.327	8.8
4-Nitroaniline		0.207	0.248	0.288	0.256	0.262	0.263	11.6
4,6-Dinitro-2-methylphenol			0.041	0.056	0.063	0.069	0.067	26.2
n-Nitrosodiphenylamine		0.595	0.577	0.588	0.581	0.556	0.572	3.7
Azobenzene		1.458	1.386	1.408	1.266	1.203	1.313	7.8
2,4,6-Tribromophenol		0.194	0.203	0.216	0.200	0.196	0.207	5.8
4-Bromophenyl-phenylether		0.218	0.210	0.214	0.215	0.205	0.212	2.7
Hexachlorobenzene		0.251	0.240	0.252	0.246	0.240	0.244	2.9
Atrazine		0.205	0.211	0.214	0.193	0.186	0.199	5.6
Pentachlorophenol		0.108	0.123	0.140	0.139	0.140	0.135	11.1
Phenanthrene		1.052	1.016	1.035	0.990	0.960	0.987	5.4
Anthracene		1.020	1.021	1.046	0.972	0.941	0.978	5.6
Carbazole		0.982	0.996	1.010	0.924	0.885	0.926	7.7
Di-n-butylphthalate		1.209	1.255	1.273	1.164	1.126	1.168	7.0
Fluoranthene		1.235	1.267	1.272	1.146	1.145	1.151	10.4
Benzidine		0.509	0.542	0.642	0.497	0.454	0.499	19.4
Pyrene		1.630	1.491	1.586	1.392	1.313	1.512	7.9
Terphenyl-d14		1.348	1.252	1.306	1.115	1.060	1.209	8.5
Butylbenzylphthalate		0.466	0.531	0.597	0.550	0.562	0.553	8.1
3,3-Dichlorobenzidine		0.382	0.405	0.438	0.449	0.437	0.417	6.2

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.: BP052424 SAS No.: BP052424 SDG No.: BP052424

Instrument ID: Calibration Date(s): 5/24/2024

Calibration Time(s): 10:01

LAB FILE ID: RRF2.5 = BP020447.D RRF005 = BP020448.D RRF010 = BP020449.D
RRF020 = BP020450.D RRF040 = BP020451.D RRF050 = BP020452.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.367	1.344	1.368	1.298	1.281	1.320	3.2
Chrysene		1.293	1.242	1.284	1.254	1.202	1.239	3.6
Bis(2-ethylhexyl)phthalate		0.752	0.858	0.952	0.870	0.869	0.858	6.8
Di-n-octyl phthalate		1.007	1.213	1.316	1.469	1.469	1.315	12.6
Benzo(b)fluoranthene		1.208	1.266	1.305	1.156	1.160	1.208	4.7
Benzo(k)fluoranthene		1.180	1.237	1.239	1.139	1.126	1.168	4.5
Benzo(a)pyrene		1.054	1.030	1.079	1.043	1.023	1.046	2.2
Indeno(1,2,3-cd)pyrene		1.291	1.116	1.248	1.361	1.330	1.303	7.6
Dibenzo(a,h)anthracene		1.082	0.912	1.042	1.124	1.099	1.081	8.0
Benzo(g,h,i)perylene		1.071	0.938	1.035	1.132	1.101	1.086	7.6
1,2,4,5-Tetrachlorobenzene		0.591	0.563	0.580	0.604	0.587	0.582	2.7
1,4-Dioxane		0.483	0.459	0.474	0.464	0.446	0.456	4.6
2,3,4,6-Tetrachlorophenol		0.297	0.317	0.330	0.310	0.307	0.318	4.4
1-Methylnaphthalene		0.771	0.745	0.772	0.692	0.663	0.714	6.7

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP052424 SAS No.: BP052424 SDG NO.: BP052424

EPA Sample No.: SSTDICCC040 Date Analyzed: May 24 2024 12:00AM

Lab File ID: BP020451.D Time Analyzed: 16:42

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	323018	7.764	1.29961e+0(	10.54	797221	14.40
	UPPER LIMIT	646036	8.264	2599220	11.04	1594442	14.904
	LOWER LIMIT	161509	7.264	649805	10.04	398610.5	13.904
	EPA SAMPLE NO.						
01	ICVBP052424	320571	7.78	1.29728e	10.54	784440	14.40
02	PB160983BL	353846	7.77	1.47091e	10.54	982952	14.39

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.: BP052424 SAS No.: BP052424 SDG NO.: BP052424

EPA Sample No.: SSTDICCC040 Date Analyzed: May 24 2024 12:00AM

Lab File ID: BP020451.D Time Analyzed: 16:42

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	323018	7.764	1.29961e+0(	10.54	797221	14.40
	UPPER LIMIT	646036	8.264	2599220	11.04	1594442	14.904
	LOWER LIMIT	161509	7.264	649805	10.04	398610.5	13.904
	EPA SAMPLE NO.						
01	ICVBP052424	320571	7.78	1.29728e	10.54	784440	14.40
02	PB160983BL	353846	7.77	1.47091e	10.54	982952	14.39

IS1 (DCB) = 1,4-Dichlorobenzene-d4
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IS3 (ANT) = Acenaphthene-d10

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

Column used to flag values outside QC limits with an asterisk.
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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP052424 SAS No.: BP052424 SDG NO.: BP052424

EPA Sample No.: SSTDICCC040 Date Analyzed: May 24 2024 12:00AM

Lab File ID: BP020451.D Time Analyzed: 16:42

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	1.49177e+0(	17.21€	1.27561e+	21.68€	1.48429e+0(	25.069
	UPPER LIMIT	2983540	17.71€	2551220	22.18€	2968580	25.569
	LOWER LIMIT	745885	16.71€	637805	21.18€	742145	24.569
	EPA SAMPLE NO.						
01	ICVBP052424	1.54647	17.21	1.4114e+0	21.67	1.63721e+	25.05
02	PB160983BL	2.10124	17.20	1.60908e+	21.66	1.59159e+	25.04

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.: BP052424 SAS No.: BP052424 SDG NO.: BP052424

EPA Sample No.: SSTDICCC040 Date Analyzed: May 24 2024 12:00AM

Lab File ID: BP020451.D Time Analyzed: 16:42

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	1.49177e+0(	17.21€	1.27561e+	21.68€	1.48429e+0(	25.069
	UPPER LIMIT	2983540	17.71€	2551220	22.18€	2968580	25.569
	LOWER LIMIT	745885	16.71€	637805	21.18€	742145	24.569
	EPA SAMPLE NO.						
01	ICVBP052424	1.54647	17.21	1.4114e+0	21.67	1.63721e+	25.05
02	PB160983BL	2.10124	17.20	1.60908e+	21.66	1.59159e+	25.04

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.

ICVBP052424

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP052424 SAS No.: BP052424 SDG NO.: BP052424

Lab File ID: BP020455.D Lab Sample ID: SSTDICV040

Instrument ID: BNA_P Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 05/24/2024

Level: (low/med) LOW Time Analyzed: 16:42

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBP052424	SSTDICV040	BP020455.D	05/24/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160983BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP052424 SAS No.: BP052424 SDG NO.: BP052424

Lab File ID: BP020456.D Lab Sample ID: PB160983BL

Instrument ID: BNA_P Date Extracted: 05/17/2024

Matrix: (soil/water) water Date Analyzed: 05/24/2024

Level: (low/med) LOW Time Analyzed: 17:26

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

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

COMMENTS:

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Surrogate Summary

SW-846

SDG No.: BP052424

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDICV040	ICVBP052424	BP020455.D	2-Fluorophenol	150	80,429.00	53619	*	10	139
			Phenol-d6	150	79,310.00	52873	*	10	134
			Nitrobenzene-d5	100	86,197.00	86197	*	49	133
			2-Fluorobiphenyl	100	81,575.00	81575	*	52	132
			2,4,6-Tribromophenol	150	83,206.00	55471	*	32	145
			Terphenyl-d14	100	70,894.00	70894	*	36	145

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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BP052424

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB160983BL	PB160983BL	BP020456.D	2-Fluorophenol	150	130.37	87		10	139
			Phenol-d6	150	126.05	84		10	134
			Nitrobenzene-d5	100	83.88	84		49	133
			2-Fluorobiphenyl	100	76.71	77		52	132
			2,4,6-Tribromophenol	150	129.82	87		32	145
			Terphenyl-d14	100	76.60	77		36	145

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BP052424

Lab Code: CHEM SAS No.: BP052424 SDG NO.: BP052424

Lab File ID: BP020446.D DFTPP Injection Date: 05/24/2024

Instrument ID: BNA_P DFTPP Injection Time: 09:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.4
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	33.1
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	41.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27.4
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	87.8
443	15.0 - 24.0% of mass 442	17.6 (20) 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	BP020447.D	05/24/2024	10:01
SSTDICC005	SSTDICC005	BP020448.D	05/24/2024	10:46
SSTDICC010	SSTDICC010	BP020449.D	05/24/2024	11:30
SSTDICC020	SSTDICC020	BP020450.D	05/24/2024	12:15
SSTDICCC040	SSTDICCC040	BP020451.D	05/24/2024	13:00
SSTDICC050	SSTDICC050	BP020452.D	05/24/2024	13:44
SSTDICC060	SSTDICC060	BP020453.D	05/24/2024	14:28
SSTDICC080	SSTDICC080	BP020454.D	05/24/2024	15:13
ICVBP052424	SSTDICV040	BP020455.D	05/24/2024	16:42
PB160983BL	PB160983BL	BP020456.D	05/24/2024	17:26