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.: BP052924 SAS No.: BP052924 SDG No.: BP052924

Instrument ID: BNA_P Calibration Date/Time: 5/29/2024 12 12:52

Lab File ID: BP020473.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	0.616	0.626		1.623	
Pyridine	1.269	1.291		1.734	
2-Fluorophenol	1.117	1.131		1.253	
Benzaldehyde	1.010	0.890		-11.881	
Aniline	1.596	1.633		2.318	
Phenol-d6	1.575	1.600		1.587	
Phenol	1.614	1.638		1.487	20.0
bis(2-Chloroethyl)ether	1.331	1.347		1.202	
2-Chlorophenol	1.252	1.269		1.358	
1,2-Dichlorobenzene	1.447	1.455		0.553	
1,3-Dichlorobenzene	1.475	1.473		-0.136	
1,4-Dichlorobenzene	1.499	1.504		0.334	20.0
Benzyl Alcohol	1.164	1.197		2.835	
2-Methylphenol	1.095	1.122		2.466	
2,2-oxybis(1-Chloropropane)	1.987	1.991		0.201	
Acetophenone	0.496	0.495		-0.202	
3+4-Methylphenols	1.489	1.535		3.089	
n-Nitroso-di-n-propylamine	1.075	1.108	0.050	3.07	
Nitrobenzene-d5	0.365	0.371		1.644	
Hexachloroethane	0.548	0.552		0.73	
Nitrobenzene	0.371	0.372		0.27	
Isophorone	0.710	0.716		0.845	
2-Nitrophenol	0.128	0.139		8.594	20.0
2,4-Dimethylphenol	0.214	0.220		2.804	
bis(2-Chloroethoxy)methane	0.436	0.435		-0.229	
2,4-Dichlorophenol	0.288	0.295		2.431	20.0
1,2,4-Trichlorobenzene	0.342	0.340		-0.585	
Benzoic acid	0.181	0.183		1.105	
Naphthalene	1.022	1.013		-0.881	
4-Chloroaniline	0.396	0.398		0.505	
Hexachlorobutadiene	0.215	0.213		-0.93	20.0
Caprolactam	0.105	0.109		3.81	
4-Chloro-3-methylphenol	0.337	0.341		1.187	20.0
2-Methylnaphthalene	0.733	0.723		-1.364	
Hexachlorocyclopentadiene	0.203	0.210	0.050	3.448	
2,4,6-Trichlorophenol	0.350	0.364		4.0	20.0
2-Fluorobiphenyl	1.342	1.312		-2.235	
2,4,5-Trichlorophenol	0.404	0.420		3.96	
1,1-Biphenyl	1.411	1.414		0.213	

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Instrument ID: BNA_P Calibration Date/Time: 5/29/2024 12 12:52

Lab File ID: BP020473.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	1.122	1.122		0.0	
2-Nitroaniline	0.304	0.322		5.921	
Dimethylphthalate	1.410	1.393		-1.206	
Acenaphthylene	1.665	1.647		-1.081	
2,6-Dinitrotoluene	0.301	0.312		3.654	
3-Nitroaniline	0.302	0.314		3.974	
Acenaphthene	1.050	1.026		-2.286	20.0
2,4-Dinitrophenol	0.104	0.101	0.050	-2.885	
4-Nitrophenol	0.234	0.242	0.050	3.419	
Dibenzofuran	1.664	1.643		-1.262	
2,4-Dinitrotoluene	0.396	0.416		5.051	
Diethylphthalate	1.433	1.424		-0.628	
4-Chlorophenyl-phenylether	0.689	0.673		-2.322	
Fluorene	1.336	1.299		-2.769	
4-Nitroaniline	0.311	0.311		0.0	
4,6-Dinitro-2-methylphenol	0.078	0.078		0.0	
n-Nitrosodiphenylamine	0.550	0.541		-1.636	20.0
Azobenzene	1.338	1.321		-1.271	
2,4,6-Tribromophenol	0.208	0.220		5.769	
4-Bromophenyl-phenylether	0.205	0.202		-1.463	
Hexachlorobenzene	0.241	0.236		-2.075	
Atrazine	0.193	0.193		0.0	
Pentachlorophenol	0.146	0.146		0.0	20.0
Phenanthrene	0.983	0.967		-1.628	
Anthracene	0.965	0.962		-0.311	
Carbazole	0.933	0.920		-1.393	
Di-n-butylphthalate	1.130	1.169		3.451	
Fluoranthene	1.163	1.152		-0.946	20.0
Benzidine	0.610	0.729		19.508	
Pyrene	1.504	1.561		3.79	
Terphenyl-d14	1.201	1.277		6.328	
Butylbenzylphthalate	0.549	0.602		9.654	
3,3-Dichlorobenzidine	0.391	0.416		6.394	
Benzo(a)anthracene	1.317	1.316		-0.076	
Chrysene	1.241	1.248		0.564	
Bis(2-ethylhexyl)phthalate	0.856	0.927		8.294	
Di-n-octyl phthalate	1.244	1.264		1.608	20.0
Benzo(b)fluoranthene	1.246	1.261		1.204	
Benzo(k)fluoranthene	1.215	1.217		0.165	

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Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP052924 SAS No.: BP052924 SDG No.: BP052924

Instrument ID: BNA_P Calibration Date/Time: 5/29/2024 12 12:52

Lab File ID: BP020473.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	1.032	1.056		2.326	20.0
Indeno(1,2,3-cd)pyrene	1.216	1.284		5.592	
Dibenzo(a,h)anthracene	1.014	1.064		4.931	
Benzo(g,h,i)perylene	1.014	1.068		5.325	
1,2,4,5-Tetrachlorobenzene	0.579	0.575		-0.691	
1,4-Dioxane	0.451	0.444		-1.552	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.348		5.455	
1-Methylnaphthalene	0.726	0.707		-2.617	

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:	ICVBP052924			SDG No.:	BP052924
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
BP020477.D	1		5/29/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	36500		1000	8000	10000	ug/L
110-86-1	Pyridine	38000		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	32000		4000	8000	10000	ug/L
62-53-3	Aniline	37300		1600	4000	5000	ug/L
108-95-2	Phenol	38100		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	36900		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	39200		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	38900		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	39500		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	39200		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	38300		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	38100		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	34500		1400	4000	5000	ug/L
98-86-2	Acetophenone	39500		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	39000		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	36800		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	37900		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	40000		1300	4000	5000	ug/L
78-59-1	Isophorone	38800		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	43100		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	40700		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	38300		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	43900		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	43100		1100	4000	5000	ug/L
65-85-0	Benzoic acid	40600		5500	8000	10000	ug/L
91-20-3	Naphthalene	39900		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	40100		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	44700		1300	4000	5000	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBP052924			SDG No.:	BP052924
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
BP020477.D	1		5/29/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	40000		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	40300		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	35600		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	43000		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	43400		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	42200		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	39800		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	40000		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	43800		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	39000		930	4000	5000	ug/L
208-96-8	Acenaphthylene	40200		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	41800		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	41100		1400	4000	5000	ug/L
83-32-9	Acenaphthene	39400		810	4000	5000	ug/L
Total PAH	Total PAH	648000		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	42100		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	41900		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	39500		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	42600		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixtur	84400		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	39300		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	38600		980	4000	5000	ug/L
86-73-7	Fluorene	38500		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	39600		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	40700		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	41000		890	4000	5000	ug/L
103-33-3	Azobenzene	38800		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	42200		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	41100		1100	4000	5000	ug/L
1912-24-9	Atrazine	40500		1300	4000	5000	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBP052924			SDG No.:	BP052924
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
BP020477.D	1		5/29/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	41500		1900	8000	10000	ug/L
85-01-8	Phenanthrene	39600		890	4000	5000	ug/L
120-12-7	Anthracene	39600		1100	4000	5000	ug/L
86-74-8	Carbazole	38900		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	38800		1500	4000	5000	ug/L
206-44-0	Fluoranthene	37000		1300	4000	5000	ug/L
92-87-5	Benzidine	32400		4100	8000	10000	ug/L
129-00-0	Pyrene	41300		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	36600		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	44900		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	39800		940	4000	5000	ug/L
218-01-9	Chrysene	39900		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	38000		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	42200		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	37700		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	38000		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	40300		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	45800		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	45200		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	45800		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	40200		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	37800		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	42500		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	35500		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	78668	*	10-139		52445	SPK: -150
13127-88-3	Phenol-d6	76306	*	10-134		50871	SPK: -150
4165-60-0	Nitrobenzene-d5	80841	*	49-133		80841	SPK: -100
321-60-8	2-Fluorobiphenyl	78407	*	52-132		78407	SPK: -100

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBP052924			SDG No.:	BP052924
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
BP020477.D	1		5/29/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	86908	*	32-145		57939	SPK: -150
1718-51-0	Terphenyl-d14	81595	*	36-145		81595	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	385320	7.763				
1146-65-2	Naphthalene-d8	1541821	10.534				
15067-26-2	Acenaphthene-d10	926873	14.392				
1517-22-2	Phenanthrene-d10	1838731	17.198				
1719-03-5	Chrysene-d12	1277689	21.657				
1520-96-3	Perylene-d12	1466001	25.021				

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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.:	BP052924
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
BP020478.D	1	5/17/2024 12:00:00 AM	5/29/2024 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.:	BP052924
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
BP020478.D	1	5/17/2024 12:00:00 AM	5/29/2024 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.:	BP052924
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
BP020478.D	1	5/17/2024 12:00:00 AM	5/29/2024 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	126.974		10-139		85	SPK: -150
13127-88-3	Phenol-d6	110.96		10-134		74	SPK: -150
4165-60-0	Nitrobenzene-d5	79.985		49-133		80	SPK: -100
321-60-8	2-Fluorobiphenyl	84.051		52-132		84	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.:	BP052924
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
BP020478.D	1	5/17/2024 12:00:00 AM	5/29/2024 12:00:00 AM	PB160983

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	107.507		32-145		72	SPK: -150
1718-51-0	Terphenyl-d14	66.779		36-145		67	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	321347	7.763				
1146-65-2	Naphthalene-d8	1213656	10.528				
15067-26-2	Acenaphthene-d10	664722	14.387				
1517-22-2	Phenanthrene-d10	1192871	17.198				
1719-03-5	Chrysene-d12	1075602	21.651				
1520-96-3	Perylene-d12	1420135	25.021				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3.1	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.: BP052924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**ICVBP052924**							
SSTDICV040	ICVBP052924	Water	1,1-Biphenyl	39,800.000		910	5000	ug/L
SSTDICV040	ICVBP052924	Water	1,2,4,5-Tetrachlorobenzene	40,200.000		1100	5000	ug/L
SSTDICV040	ICVBP052924	Water	1,2,4-Trichlorobenzene	43,100.000		1100	5000	ug/L
SSTDICV040	ICVBP052924	Water	1,2-Dichlorobenzene	38,900.000		880	5000	ug/L
SSTDICV040	ICVBP052924	Water	1,3-Dichlorobenzene	39,500.000		800	5000	ug/L
SSTDICV040	ICVBP052924	Water	1,4-Dichlorobenzene	39,200.000		840	5000	ug/L
SSTDICV040	ICVBP052924	Water	1,4-Dioxane	37,800.000		1300	5000	ug/L
SSTDICV040	ICVBP052924	Water	1-Methylnaphthalene	35,500.000		860	5000	ug/L
SSTDICV040	ICVBP052924	Water	2,2-oxybis(1-Chloropropane)	34,500.000		1400	5000	ug/L
SSTDICV040	ICVBP052924	Water	2,3,4,6-Tetrachlorophenol	42,500.000		790	5000	ug/L
SSTDICV040	ICVBP052924	Water	2,4,5-Trichlorophenol	42,200.000		1000	5000	ug/L
SSTDICV040	ICVBP052924	Water	2,4,6-Trichlorophenol	43,400.000		890	5000	ug/L
SSTDICV040	ICVBP052924	Water	2,4-Dichlorophenol	43,900.000		880	5000	ug/L
SSTDICV040	ICVBP052924	Water	2,4-Dimethylphenol	40,700.000		1500	5000	ug/L
SSTDICV040	ICVBP052924	Water	2,4-Dinitrophenol	42,100.000		6400	10000	ug/L
SSTDICV040	ICVBP052924	Water	2,4-Dinitrotoluene	42,600.000		1500	5000	ug/L
SSTDICV040	ICVBP052924	Water	2,6-Dinitrotoluene	41,800.000		1200	5000	ug/L
SSTDICV040	ICVBP052924	Water	2-Chloronaphthalene	40,000.000		970	5000	ug/L
SSTDICV040	ICVBP052924	Water	2-Chlorophenol	39,200.000		710	5000	ug/L
SSTDICV040	ICVBP052924	Water	2-Methylnaphthalene	35,600.000		1100	5000	ug/L
SSTDICV040	ICVBP052924	Water	2-Methylphenol	38,100.000		1100	5000	ug/L
SSTDICV040	ICVBP052924	Water	2-Nitroaniline	43,800.000		1400	5000	ug/L
SSTDICV040	ICVBP052924	Water	2-Nitrophenol	43,100.000		2000	5000	ug/L
SSTDICV040	ICVBP052924	Water	3+4-Methylphenols	39,000.000		1200	10000	ug/L
SSTDICV040	ICVBP052924	Water	3,3-Dichlorobenzidine	44,900.000		1300	10000	ug/L
SSTDICV040	ICVBP052924	Water	3-Nitroaniline	41,100.000		1400	5000	ug/L
SSTDICV040	ICVBP052924	Water	4,6-Dinitro-2-methylphenol	40,700.000		3100	10000	ug/L
SSTDICV040	ICVBP052924	Water	4-Bromophenyl-phenylether	42,200.000		950	5000	ug/L
SSTDICV040	ICVBP052924	Water	4-Chloro-3-methylphenol	40,300.000		840	5000	ug/L
SSTDICV040	ICVBP052924	Water	4-Chloroaniline	40,100.000		1300	5000	ug/L
SSTDICV040	ICVBP052924	Water	4-Chlorophenyl-phenylether	38,600.000		980	5000	ug/L
SSTDICV040	ICVBP052924	Water	4-Nitroaniline	39,600.000		2000	5000	ug/L
SSTDICV040	ICVBP052924	Water	4-Nitrophenol	41,900.000		2000	10000	ug/L
SSTDICV040	ICVBP052924	Water	Acenaphthene	39,400.000		810	5000	ug/L
SSTDICV040	ICVBP052924	Water	Acenaphthylene	40,200.000		1000	5000	ug/L
SSTDICV040	ICVBP052924	Water	Acetophenone	39,500.000		1100	5000	ug/L
SSTDICV040	ICVBP052924	Water	Aniline	37,300.000		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.: BP052924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP052924	Water	Anthracene	39,600.000		1100	5000	ug/L
SSTDICV040	ICVBP052924	Water	Atrazine	40,500.000		1300	5000	ug/L
SSTDICV040	ICVBP052924	Water	Azobenzene	38,800.000		1200	5000	ug/L
SSTDICV040	ICVBP052924	Water	Benzaldehyde	32,000.000		4000	10000	ug/L
SSTDICV040	ICVBP052924	Water	Benzidine	32,400.000		4100	10000	ug/L
SSTDICV040	ICVBP052924	Water	Benzo(a)anthracene	39,800.000		940	5000	ug/L
SSTDICV040	ICVBP052924	Water	Benzo(a)pyrene	40,300.000		1700	5000	ug/L
SSTDICV040	ICVBP052924	Water	Benzo(b)fluoranthene	37,700.000		1100	5000	ug/L
SSTDICV040	ICVBP052924	Water	Benzo(g,h,i)perylene	45,800.000		1200	5000	ug/L
SSTDICV040	ICVBP052924	Water	Benzo(k)fluoranthene	38,000.000		1200	5000	ug/L
SSTDICV040	ICVBP052924	Water	Benzoic acid	40,600.000		5500	10000	ug/L
SSTDICV040	ICVBP052924	Water	Benzyl Alcohol	38,300.000		1600	10000	ug/L
SSTDICV040	ICVBP052924	Water	bis(2-Chloroethoxy)methane	38,300.000		1000	5000	ug/L
SSTDICV040	ICVBP052924	Water	bis(2-Chloroethyl)ether	36,900.000		1200	5000	ug/L
SSTDICV040	ICVBP052924	Water	Bis(2-ethylhexyl)phthalate	38,000.000		1900	5000	ug/L
SSTDICV040	ICVBP052924	Water	Butylbenzylphthalate	36,600.000		2100	5000	ug/L
SSTDICV040	ICVBP052924	Water	Caprolactam	40,000.000		1700	10000	ug/L
SSTDICV040	ICVBP052924	Water	Carbazole	38,900.000		1200	5000	ug/L
SSTDICV040	ICVBP052924	Water	Chrysene	39,900.000		860	5000	ug/L
SSTDICV040	ICVBP052924	Water	Di-n-butylphthalate	38,800.000		1500	5000	ug/L
SSTDICV040	ICVBP052924	Water	Di-n-octyl phthalate	42,200.000		2500	10000	ug/L
SSTDICV040	ICVBP052924	Water	Dibenzo(a,h)anthracene	45,200.000		1200	5000	ug/L
SSTDICV040	ICVBP052924	Water	Dibenzofuran	39,500.000		930	5000	ug/L
SSTDICV040	ICVBP052924	Water	Diethylphthalate	39,300.000		1000	5000	ug/L
SSTDICV040	ICVBP052924	Water	Dimethylphthalate	39,000.000		930	5000	ug/L
SSTDICV040	ICVBP052924	Water	Fluoranthene	37,000.000		1300	5000	ug/L
SSTDICV040	ICVBP052924	Water	Fluorene	38,500.000		960	5000	ug/L
SSTDICV040	ICVBP052924	Water	Hexachlorobenzene	41,100.000		1100	5000	ug/L
SSTDICV040	ICVBP052924	Water	Hexachlorobutadiene	44,700.000		1300	5000	ug/L
SSTDICV040	ICVBP052924	Water	Hexachlorocyclopentadiene	43,000.000		5000	10000	ug/L
SSTDICV040	ICVBP052924	Water	Hexachloroethane	37,900.000		1000	5000	ug/L
SSTDICV040	ICVBP052924	Water	Indeno(1,2,3-cd)pyrene	45,800.000		1000	5000	ug/L
SSTDICV040	ICVBP052924	Water	Isophorone	38,800.000		1100	5000	ug/L
SSTDICV040	ICVBP052924	Water	n-Nitroso-di-n-propylamine	36,800.000		1500	2500	ug/L
SSTDICV040	ICVBP052924	Water	n-Nitrosodimethylamine	36,500.000		1000	10000	ug/L
SSTDICV040	ICVBP052924	Water	n-Nitrosodiphenylamine	41,000.000		890	5000	ug/L
SSTDICV040	ICVBP052924	Water	Naphthalene	39,900.000		1000	5000	ug/L
SSTDICV040	ICVBP052924	Water	Nitrobenzene	40,000.000		1300	5000	ug/L
SSTDICV040	ICVBP052924	Water	Pentachlorophenol	41,500.000		1900	10000	ug/L
SSTDICV040	ICVBP052924	Water	Phenanthrene	39,600.000		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.: BP052924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP052924	Water	Phenol	38,100.000		930	5000	ug/L
SSTDICV040	ICVBP052924	Water	Pyrene	41,300.000		1100	5000	ug/L
SSTDICV040	ICVBP052924	Water	Pyridine	38,000.000		1600	5000	ug/L
SSTDICV040	ICVBP052924	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	84,400.000		2700	10000	ug/L
SSTDICV040	ICVBP052924	Water	Total PAH	648,000.000		17360	80000	ug/L
			Total Svoc :	**3,920,600.00**				
			Total Concentration:	**3,920,600.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP052924 SAS No.: BP052924 SDG No.: BP052924

Instrument ID: Calibration Date(s): 5/29/2024

Calibration Time(s): 09:59

LAB FILE ID: RRF2.5 = BP020469.D RRF005 = BP020470.D RRF010 = BP020471.D
RRF020 = BP020472.D RRF040 = BP020473.D RRF050 = BP020474.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.619	0.620	0.638	0.626	0.607	0.616	2.6
Pyridine		1.188	1.265	1.330	1.291	1.266	1.269	3.6
2-Fluorophenol		1.090	1.121	1.167	1.131	1.104	1.117	2.7
Benzaldehyde		1.159	1.123	1.066	0.890	0.814	1.010	14.9
Aniline		1.547	1.568	1.680	1.633	1.585	1.596	3.7
Phenol-d6		1.561	1.575	1.656	1.600	1.551	1.575	3.2
Phenol		1.604	1.600	1.701	1.638	1.584	1.614	3.1
bis(2-Chloroethyl)ether		1.362	1.367	1.409	1.347	1.270	1.331	4.5
2-Chlorophenol		1.251	1.246	1.313	1.269	1.224	1.252	3.0
1,2-Dichlorobenzene		1.540	1.497	1.518	1.455	1.385	1.447	5.3
1,3-Dichlorobenzene		1.533	1.526	1.546	1.473	1.425	1.475	4.3
1,4-Dichlorobenzene		1.568	1.534	1.578	1.504	1.433	1.499	4.4
Benzyl Alcohol		1.116	1.128	1.225	1.197	1.156	1.164	3.8
2-Methylphenol		1.061	1.091	1.171	1.122	1.073	1.095	4.0
2,2-oxybis(1-Chloropropane)		2.111	2.109	2.141	1.991	1.862	1.987	7.2
Acetophenone		0.523	0.512	0.520	0.495	0.478	0.496	4.8
3+4-Methylphenols		1.398	1.442	1.589	1.535	1.476	1.489	4.5
n-Nitroso-di-n-propylamine	1.014	1.121	1.126	1.174	1.108	1.031	1.075	6.4
Nitrobenzene-d5		0.355	0.363	0.379	0.371	0.362	0.365	2.6
Hexachloroethane		0.563	0.553	0.575	0.552	0.534	0.548	3.5
Nitrobenzene		0.375	0.368	0.390	0.372	0.363	0.371	2.9
Isophorone		0.702	0.710	0.744	0.716	0.698	0.710	2.9
2-Nitrophenol		0.084	0.098	0.122	0.139	0.144	0.128	21.4
2,4-Dimethylphenol		0.209	0.214	0.223	0.220	0.213	0.214	2.9
bis(2-Chloroethoxy)methane		0.456	0.442	0.460	0.435	0.423	0.436	4.3
2,4-Dichlorophenol		0.259	0.276	0.299	0.295	0.292	0.288	5.2
1,2,4-Trichlorobenzene		0.350	0.345	0.353	0.340	0.330	0.342	2.8
Benzoic acid			0.120	0.153	0.183	0.193	0.181	21.7
Naphthalene		1.077	1.048	1.070	1.013	0.986	1.022	4.4
4-Chloroaniline		0.395	0.397	0.414	0.398	0.385	0.396	3.0
Hexachlorobutadiene		0.218	0.220	0.218	0.213	0.209	0.215	1.9
Caprolactam		0.091	0.104	0.109	0.109	0.108	0.105	6.6
4-Chloro-3-methylphenol		0.306	0.322	0.347	0.341	0.336	0.337	6.4
2-Methylnaphthalene		0.752	0.738	0.754	0.723	0.693	0.733	5.8
Hexachlorocyclopentadiene		0.176	0.181	0.204	0.210	0.209	0.203	9.5
2,4,6-Trichlorophenol		0.283	0.311	0.365	0.364	0.366	0.350	10.9

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.: BP052924 SAS No.: BP052924 SDG No.: BP052924

Instrument ID: Calibration Date(s): 5/29/2024

Calibration Time(s): 09:59

LAB FILE ID: RRF2.5 = BP020469.D RRF005 = BP020470.D RRF010 = BP020471.D
RRF020 = BP020472.D RRF040 = BP020473.D RRF050 = BP020474.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.455	1.393	1.455	1.312	1.270	1.342	7.3
2,4,5-Trichlorophenol		0.351	0.375	0.418	0.420	0.411	0.404	7.4
1,1-Biphenyl		1.505	1.437	1.486	1.414	1.355	1.411	5.2
2-Chloronaphthalene		1.179	1.134	1.205	1.122	1.075	1.122	5.3
2-Nitroaniline		0.242	0.274	0.322	0.322	0.327	0.304	10.8
Dimethylphthalate		1.466	1.430	1.495	1.393	1.388	1.410	4.4
Acenaphthylene		1.722	1.670	1.779	1.647	1.627	1.665	4.2
2,6-Dinitrotoluene		0.253	0.285	0.319	0.312	0.309	0.301	8.1
3-Nitroaniline		0.257	0.290	0.321	0.314	0.315	0.302	7.5
Acenaphthene		1.112	1.068	1.116	1.026	1.027	1.050	4.8
2,4-Dinitrophenol			0.063	0.083	0.101	0.113	0.104	26.5
4-Nitrophenol		0.167	0.210	0.245	0.242	0.257	0.234	14.6
Dibenzofuran		1.781	1.709	1.779	1.643	1.590	1.664	6.0
2,4-Dinitrotoluene		0.296	0.351	0.416	0.416	0.425	0.396	13.3
Diethylphthalate		1.488	1.479	1.559	1.424	1.424	1.433	6.1
4-Chlorophenyl-phenylether		0.739	0.719	0.718	0.673	0.652	0.689	7.8
Fluorene		1.455	1.413	1.441	1.299	1.268	1.336	8.4
4-Nitroaniline		0.265	0.300	0.334	0.311	0.329	0.311	9.0
4,6-Dinitro-2-methylphenol			0.049	0.064	0.078	0.085	0.078	23.8
n-Nitrosodiphenylamine		0.573	0.574	0.576	0.541	0.526	0.550	5.0
Azobenzene		1.456	1.426	1.449	1.321	1.275	1.338	8.2
2,4,6-Tribromophenol		0.177	0.195	0.214	0.220	0.227	0.208	8.8
4-Bromophenyl-phenylether		0.203	0.206	0.204	0.202	0.197	0.205	2.3
Hexachlorobenzene		0.241	0.238	0.243	0.236	0.234	0.241	2.4
Atrazine		0.192	0.204	0.201	0.193	0.187	0.193	3.7
Pentachlorophenol			0.120	0.136	0.146	0.150	0.146	11.3
Phenanthrene		1.053	1.037	1.020	0.967	0.938	0.983	5.7
Anthracene		1.021	1.014	1.006	0.962	0.922	0.965	6.0
Carbazole		0.973	0.986	0.984	0.920	0.918	0.933	6.2
Di-n-butylphthalate		1.090	1.184	1.209	1.169	1.148	1.130	7.7
Fluoranthene		1.245	1.249	1.260	1.152	1.151	1.163	10.5
Benzidine			0.400	0.476	0.729	0.731	0.610	26.1
Pyrene		1.484	1.451	1.490	1.561	1.474	1.504	2.7
Terphenyl-d14		1.238	1.205	1.218	1.277	1.170	1.201	5.0
Butylbenzylphthalate		0.394	0.462	0.549	0.602	0.602	0.549	16.0
3,3-Dichlorobenzidine		0.314	0.360	0.411	0.416	0.435	0.391	11.1

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.: BP052924 SAS No.: BP052924 SDG No.: BP052924

Instrument ID: Calibration Date(s): 5/29/2024

Calibration Time(s): 09:59

LAB FILE ID: RRF2.5 = BP020469.D RRF005 = BP020470.D RRF010 = BP020471.D
RRF020 = BP020472.D RRF040 = BP020473.D RRF050 = BP020474.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.348	1.340	1.367	1.316	1.290	1.317	3.1
Chrysene		1.297	1.256	1.291	1.248	1.192	1.241	3.7
Bis(2-ethylhexyl)phthalate		0.684	0.790	0.884	0.927	0.883	0.856	10.4
Di-n-octyl phthalate			1.005	1.274	1.264	1.267	1.244	9.8
Benzo(b)fluoranthene		1.202	1.271	1.327	1.261	1.216	1.246	4.3
Benzo(k)fluoranthene		1.194	1.218	1.274	1.217	1.203	1.215	2.8
Benzo(a)pyrene		0.939	1.003	1.075	1.056	1.040	1.032	4.6
Indeno(1,2,3-cd)pyrene		1.021	1.080	1.189	1.284	1.273	1.216	10.2
Dibenzo(a,h)anthracene		0.872	0.909	0.991	1.064	1.062	1.014	9.1
Benzo(g,h,i)perylene		0.869	0.904	0.982	1.068	1.059	1.014	9.6
1,2,4,5-Tetrachlorobenzene		0.576	0.573	0.601	0.575	0.563	0.579	3.7
1,4-Dioxane		0.471	0.464	0.466	0.444	0.433	0.451	4.4
2,3,4,6-Tetrachlorophenol		0.288	0.314	0.352	0.348	0.346	0.330	7.2
1-Methylnaphthalene		0.755	0.735	0.750	0.707	0.691	0.726	5.2

All other compounds must meet a minimum RRF of 0.010.

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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.: BP052924 SAS No.: BP052924 SDG NO.: BP052924

EPA Sample No.: SSTDICCC040 Date Analyzed: May 29 2024 12:00AM

Lab File ID: BP020473.D Time Analyzed: 15:48

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	328112	7.769	1.4069e+00	10.53	932714	14.39
	UPPER LIMIT	656224	8.269	2813800	11.034	1865428	14.892
	LOWER LIMIT	164056	7.269	703450	10.034	466357	13.892
	EPA SAMPLE NO.						
01	ICVBP052924	385320	7.76	1.54182e	10.53	926873	14.39
02	PB160983BL	321347	7.76	1.21366e	10.53	664722	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.: BP052924 SAS No.: BP052924 SDG NO.: BP052924

EPA Sample No.: SSTDICCC040 Date Analyzed: May 29 2024 12:00AM

Lab File ID: BP020473.D Time Analyzed: 15:48

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
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	UPPER LIMIT	656224	8.269	2813800	11.034	1865428	14.892
	LOWER LIMIT	164056	7.269	703450	10.034	466357	13.892
	EPA SAMPLE NO.						
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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP052924 SAS No.: BP052924 SDG NO.: BP052924

EPA Sample No.: SSTDICCC040 Date Analyzed: May 29 2024 12:00AM

Lab File ID: BP020473.D Time Analyzed: 15:48

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	1.94333e+0(	17.204	1.46513e+	21.669	1.32054e+0(	25.021
	UPPER LIMIT	3886660	17.704	2930260	22.169	2641080	25.521
	LOWER LIMIT	971665	16.704	732565	21.169	660270	24.521
	EPA SAMPLE NO.						
01	ICVBP052924	1.83873	17.20	1.27769e+	21.66	1.466e+00	25.02
02	PB160983BL	1.19287	17.20	1.0756e+0	21.65	1.42014e+	25.02

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.: BP052924 SAS No.: BP052924 SDG NO.: BP052924

EPA Sample No.: SSTDICCC040 Date Analyzed: May 29 2024 12:00AM

Lab File ID: BP020473.D Time Analyzed: 15:48

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	1.94333e+0(	17.204	1.46513e+	21.669	1.32054e+0(	25.021
	UPPER LIMIT	3886660	17.704	2930260	22.169	2641080	25.521
	LOWER LIMIT	971665	16.704	732565	21.169	660270	24.521
	EPA SAMPLE NO.						
01	ICVBP052924	1.83873	17.20	1.27769e+	21.66	1.466e+00	25.02
02	PB160983BL	1.19287	17.20	1.0756e+0	21.65	1.42014e+	25.02

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.

ICVBP052924

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP052924 SAS No.: BP052924 SDG NO.: BP052924

Lab File ID: BP020477.D Lab Sample ID: SSTDICV040

Instrument ID: BNA_P Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 05/29/2024

Level: (low/med) LOW Time Analyzed: 15:48

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBP052924	SSTDICV040	BP020477.D	05/29/2024

COMMENTS:

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Fax : 908 789 8922

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160983BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP052924 SAS No.: BP052924 SDG NO.: BP052924

Lab File ID: BP020478.D Lab Sample ID: PB160983BL

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

Matrix: (soil/water) water Date Analyzed: 05/29/2024

Level: (low/med) LOW Time Analyzed: 19:34

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.: BP052924

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDICV040	ICVBP052924	BP020477.D	2-Fluorophenol	150	78,668.00	52445	*	10	139
			Phenol-d6	150	76,306.00	50871	*	10	134
			Nitrobenzene-d5	100	80,841.00	80841	*	49	133
			2-Fluorobiphenyl	100	78,407.00	78407	*	52	132
			2,4,6-Tribromophenol	150	86,908.00	57939	*	32	145
			Terphenyl-d14	100	81,595.00	81595	*	36	145

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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BP052924

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB160983BL	PB160983BL	BP020478.D	2-Fluorophenol	150	126.97	85		10	139
			Phenol-d6	150	110.96	74		10	134
			Nitrobenzene-d5	100	79.99	80		49	133
			2-Fluorobiphenyl	100	84.05	84		52	132
			2,4,6-Tribromophenol	150	107.51	72		32	145
			Terphenyl-d14	100	66.78	67		36	145

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BP052924

Lab Code: CHEM SAS No.: BP052924 SDG NO.: BP052924

Lab File ID: BP020468.D DFTPP Injection Date: 05/29/2024

Instrument ID: BNA_P DFTPP Injection Time: 09:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.5
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	36.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	43.9
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	26.7
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	12
442	Greater than 50% of mass 198	76.4
443	15.0 - 24.0% of mass 442	15 (19.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP020469.D	05/29/2024	09:59
SSTDICC005	SSTDICC005	BP020470.D	05/29/2024	10:42
SSTDICC010	SSTDICC010	BP020471.D	05/29/2024	11:26
SSTDICC020	SSTDICC020	BP020472.D	05/29/2024	12:09
SSTDICCC040	SSTDICCC040	BP020473.D	05/29/2024	12:52
SSTDICC050	SSTDICC050	BP020474.D	05/29/2024	13:38
SSTDICC060	SSTDICC060	BP020475.D	05/29/2024	14:21
SSTDICC080	SSTDICC080	BP020476.D	05/29/2024	15:04
ICVBP052924	SSTDICV040	BP020477.D	05/29/2024	15:48
PB160983BL	PB160983BL	BP020478.D	05/29/2024	19:34