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.: BM062724 SAS No.: BM062724 SDG No.: BM062724

Instrument ID: BNA_M Calibration Date/Time: 6/27/2024 12 18:53

Lab File ID: BM046338.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	1.038	1.098		5.78	
Pyridine	1.341	1.433		6.861	
2-Fluorophenol	1.244	1.314		5.627	
Benzaldehyde	1.096	1.052		-4.015	
Aniline	1.605	1.761		9.72	
Phenol-d6	1.768	1.905		7.749	
Phenol	1.749	1.864		6.575	20.0
bis(2-Chloroethyl)ether	1.420	1.518		6.901	
2-Chlorophenol	1.386	1.470		6.061	
1,2-Dichlorobenzene	1.559	1.641		5.26	
1,3-Dichlorobenzene	1.537	1.606		4.489	
1,4-Dichlorobenzene	1.581	1.636		3.479	20.0
Benzyl Alcohol	1.453	1.615		11.149	
2-Methylphenol	1.220	1.331		9.098	
2,2-oxybis(1-Chloropropane)	2.417	2.557		5.792	
Acetophenone	0.559	0.590		5.546	
3+4-Methylphenols	1.769	1.946		10.006	
n-Nitroso-di-n-propylamine	1.342	1.516	0.050	12.966	
Nitrobenzene-d5	0.482	0.508		5.394	
Hexachloroethane	0.712	0.737		3.511	
Nitrobenzene	0.474	0.498		5.063	
Isophorone	0.818	0.868		6.112	
2-Nitrophenol	0.170	0.188		10.588	20.0
2,4-Dimethylphenol	0.213	0.228		7.042	
bis(2-Chloroethoxy)methane	0.452	0.479		5.973	
2,4-Dichlorophenol	0.287	0.310		8.014	20.0
1,2,4-Trichlorobenzene	0.325	0.337		3.692	
Benzoic acid	0.241	0.268		11.203	
Naphthalene	1.096	1.136		3.65	
4-Chloroaniline	0.384	0.418		8.854	
Hexachlorobutadiene	0.200	0.205		2.5	20.0
Caprolactam	0.105	0.115		9.524	
4-Chloro-3-methylphenol	0.357	0.388		8.683	20.0
2-Methylnaphthalene	0.739	0.777		5.142	
Hexachlorocyclopentadiene	0.209	0.209	0.050	0.0	
2,4,6-Trichlorophenol	0.354	0.371		4.802	20.0
2-Fluorobiphenyl	1.476	1.518		2.846	
2,4,5-Trichlorophenol	0.408	0.424		3.922	
1,1-Biphenyl	1.497	1.543		3.073	

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Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM062724 SAS No.: BM062724 SDG No.: BM062724

Instrument ID: BNA_M Calibration Date/Time: 6/27/2024 12 18:53

Lab File ID: BM046338.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	1.162	1.205		3.701	
2-Nitroaniline	0.461	0.502		8.894	
Dimethylphthalate	1.462	1.532		4.788	
Acenaphthylene	1.792	1.863		3.962	
2,6-Dinitrotoluene	0.326	0.345		5.828	
3-Nitroaniline	0.329	0.359		9.119	
Acenaphthene	1.114	1.153		3.501	20.0
2,4-Dinitrophenol	0.169	0.184	0.050	8.876	
4-Nitrophenol	0.245	0.275	0.050	12.245	
Dibenzofuran	1.785	1.857		4.034	
2,4-Dinitrotoluene	0.471	0.514		9.13	
Diethylphthalate	1.608	1.693		5.286	
4-Chlorophenyl-phenylether	0.711	0.744		4.641	
Fluorene	1.527	1.608		5.305	
4-Nitroaniline	0.323	0.368		13.932	
4,6-Dinitro-2-methylphenol	0.119	0.127		6.723	
n-Nitrosodiphenylamine	0.581	0.600		3.27	20.0
Azobenzene	1.917	2.018		5.269	
2,4,6-Tribromophenol	0.243	0.264		8.642	
4-Bromophenyl-phenylether	0.204	0.210		2.941	
Hexachlorobenzene	0.241	0.246		2.075	
Atrazine	0.161	0.163		1.242	
Pentachlorophenol	0.152	0.168		10.526	20.0
Phenanthrene	1.064	1.106		3.947	
Anthracene	1.035	1.085		4.831	
Carbazole	1.019	1.085		6.477	
Di-n-butylphthalate	1.370	1.488		8.613	
Fluoranthene	1.258	1.353		7.552	20.0
Benzidine	0.208	0.270		29.808	
Pyrene	1.389	1.406		1.224	
Terphenyl-d14	1.209	1.262		4.384	
Butylbenzylphthalate	0.654	0.701		7.187	
3,3-Dichlorobenzidine	0.421	0.465		10.451	
Benzo(a)anthracene	1.312	1.335		1.753	
Chrysene	1.255	1.297		3.347	
Bis(2-ethylhexyl)phthalate	1.019	1.130		10.893	
Di-n-octyl phthalate	1.652	1.818		10.048	20.0
Benzo(b)fluoranthene	1.185	1.277		7.764	
Benzo(k)fluoranthene	1.178	1.248		5.942	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM062724 SAS No.: BM062724 SDG No.: BM062724

Instrument ID: BNA_M Calibration Date/Time: 6/27/2024 12 18:53

Lab File ID: BM046338.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	1.040	1.101		5.865	20.0
Indeno(1,2,3-cd)pyrene	1.283	1.219		-4.988	
Dibenzo(a,h)anthracene	1.071	1.022		-4.575	
Benzo(g,h,i)perylene	1.061	0.979		-7.729	
1,2,4,5-Tetrachlorobenzene	0.534	0.536		0.375	
1,4-Dioxane	0.480	0.481		0.208	20.0
2,3,4,6-Tetrachlorophenol	0.344	0.361		4.942	
1-Methylnaphthalene	0.731	0.764		4.514	

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:	SSTDICV040			SDG No.:	BM062724
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
BM046342.D	1		6/27/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	42100		1000	8000	10000	ug/L
110-86-1	Pyridine	43800		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	43100		4000	8000	10000	ug/L
62-53-3	Aniline	44000		1600	4000	5000	ug/L
108-95-2	Phenol	43300		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	42600		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	42600		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	42000		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	41900		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	41300		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	44800		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	43500		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41400		1400	4000	5000	ug/L
98-86-2	Acetophenone	42300		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	44800		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	46100		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	41200		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	41400		1300	4000	5000	ug/L
78-59-1	Isophorone	41700		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	46100		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	43000		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42300		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	43600		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	41400		1100	4000	5000	ug/L
65-85-0	Benzoic acid	43500		5500	8000	10000	ug/L
91-20-3	Naphthalene	41200		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	44400		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	41300		1300	4000	5000	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	SSTDICV040			SDG No.:	BM062724
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
BM046342.D	1		6/27/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	44600		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	43000		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	41800		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	39300		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	42900		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	40800		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	40500		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	41000		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	43000		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	41300		930	4000	5000	ug/L
208-96-8	Acenaphthylene	41300		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	42100		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	44600		1400	4000	5000	ug/L
83-32-9	Acenaphthene	41300		810	4000	5000	ug/L
Total PAH	Total PAH	670500		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	42500		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	43700		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	41600		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	44000		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixtur	86100		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	41700		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41900		980	4000	5000	ug/L
86-73-7	Fluorene	42100		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	46500		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	41300		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	41300		890	4000	5000	ug/L
103-33-3	Azobenzene	40800		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	40400		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	40600		1100	4000	5000	ug/L
1912-24-9	Atrazine	42100		1300	4000	5000	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	SSTDICV040			SDG No.:	BM062724
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
BM046342.D	1		6/27/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	44600		1900	8000	10000	ug/L
85-01-8	Phenanthrene	41200		890	4000	5000	ug/L
120-12-7	Anthracene	41500		1100	4000	5000	ug/L
86-74-8	Carbazole	42600		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	43100		1500	4000	5000	ug/L
206-44-0	Fluoranthene	42800		1300	4000	5000	ug/L
92-87-5	Benzidine	48200		4100	8000	10000	ug/L
129-00-0	Pyrene	40900		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	43800		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	45400		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	42000		940	4000	5000	ug/L
218-01-9	Chrysene	41600		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	41300		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	43700		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	42300		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	40900		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	42200		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42800		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	43600		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	42800		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39900		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	38300		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	41800		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	42100		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	84131	*	10-139		56087	SPK: -150
13127-88-3	Phenol-d6	87055	*	10-134		58037	SPK: -150
4165-60-0	Nitrobenzene-d5	83091	*	49-133		83091	SPK: -100
321-60-8	2-Fluorobiphenyl	82046	*	52-132		82046	SPK: -100

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Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SSTDICV040			SDG No.:	BM062724		
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
BM046342.D	1		6/27/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	85044	*	32-145		56696	SPK: -150
1718-51-0	Terphenyl-d14	83256	*	36-145		83256	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	153167	7.369				
1146-65-2	Naphthalene-d8	723876	10.128				
15067-26-2	Acenaphthene-d10	480292	14.021				
1517-22-2	Phenanthrene-d10	989997	16.774				
1719-03-5	Chrysene-d12	982254	20.997				
1520-96-3	Perylene-d12	1145563	23.668				

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Report of Analysis

Client:				Date Collected:	6/26/2024 12:00:00 AM
Project:				Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	PB161688TB			SDG No.:	BM062724
Lab Sample ID:	PB161688TB			Matrix:	water
Analytical Method:	8270E			% Moisture:	100
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046343.D	1	6/26/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161745

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

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Report of Analysis

Client:				Date Collected:	6/26/2024 12:00:00 AM
Project:				Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	PB161688TB			SDG No.:	BM062724
Lab Sample ID:	PB161688TB			Matrix:	water
Analytical Method:	8270E			% Moisture:	100
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046343.D	1	6/26/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161745

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixtur	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	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:	6/26/2024 12:00:00 AM
Project:				Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	PB161688TB			SDG No.:	BM062724
Lab Sample ID:	PB161688TB			Matrix:	water
Analytical Method:	8270E			% Moisture:	100
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046343.D	1	6/26/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161745

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	158.922		10-139		106	SPK: -150
13127-88-3	Phenol-d6	139.589		10-134		93	SPK: -150
4165-60-0	Nitrobenzene-d5	87.398		49-133		87	SPK: -100
321-60-8	2-Fluorobiphenyl	83.48		52-132		83	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:	6/26/2024 12:00:00 AM
Project:				Date Received:	6/26/2024 12:00:00 AM
Client Sample ID:	PB161688TB			SDG No.:	BM062724
Lab Sample ID:	PB161688TB			Matrix:	water
Analytical Method:	8270E			% Moisture:	100
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046343.D	1	6/26/2024 12:00:00 AM	6/27/2024 12:00:00 AM	PB161745

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	141.81		32-145		95	SPK: -150
1718-51-0	Terphenyl-d14	90.985		36-145		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	71759	7.375				
1146-65-2	Naphthalene-d8	283429	10.151				
15067-26-2	Acenaphthene-d10	188494	14.033				
1517-22-2	Phenanthrene-d10	405442	16.786				
1719-03-5	Chrysene-d12	371443	20.998				
1520-96-3	Perylene-d12	461383	23.674				

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.: BM062724

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : SSTDICV040								
SSTDICV040	SSTDICV040	Water	1,1-Biphenyl	40,500.000		910	5000	ug/L
SSTDICV040	SSTDICV040	Water	1,2,4,5-Tetrachlorobenzene	39,900.000		1100	5000	ug/L
SSTDICV040	SSTDICV040	Water	1,2,4-Trichlorobenzene	41,400.000		1100	5000	ug/L
SSTDICV040	SSTDICV040	Water	1,2-Dichlorobenzene	42,000.000		880	5000	ug/L
SSTDICV040	SSTDICV040	Water	1,3-Dichlorobenzene	41,900.000		800	5000	ug/L
SSTDICV040	SSTDICV040	Water	1,4-Dichlorobenzene	41,300.000		840	5000	ug/L
SSTDICV040	SSTDICV040	Water	1,4-Dioxane	38,300.000		1300	5000	ug/L
SSTDICV040	SSTDICV040	Water	1-Methylnaphthalene	42,100.000		860	5000	ug/L
SSTDICV040	SSTDICV040	Water	2,2-oxybis(1-Chloropropane)	41,400.000		1400	5000	ug/L
SSTDICV040	SSTDICV040	Water	2,3,4,6-Tetrachlorophenol	41,800.000		790	5000	ug/L
SSTDICV040	SSTDICV040	Water	2,4,5-Trichlorophenol	40,800.000		1000	5000	ug/L
SSTDICV040	SSTDICV040	Water	2,4,6-Trichlorophenol	42,900.000		890	5000	ug/L
SSTDICV040	SSTDICV040	Water	2,4-Dichlorophenol	43,600.000		880	5000	ug/L
SSTDICV040	SSTDICV040	Water	2,4-Dimethylphenol	43,000.000		1500	5000	ug/L
SSTDICV040	SSTDICV040	Water	2,4-Dinitrophenol	42,500.000		6400	10000	ug/L
SSTDICV040	SSTDICV040	Water	2,4-Dinitrotoluene	44,000.000		1500	5000	ug/L
SSTDICV040	SSTDICV040	Water	2,6-Dinitrotoluene	42,100.000		1200	5000	ug/L
SSTDICV040	SSTDICV040	Water	2-Chloronaphthalene	41,000.000		970	5000	ug/L
SSTDICV040	SSTDICV040	Water	2-Chlorophenol	42,600.000		710	5000	ug/L
SSTDICV040	SSTDICV040	Water	2-Methylnaphthalene	41,800.000		1100	5000	ug/L
SSTDICV040	SSTDICV040	Water	2-Methylphenol	43,500.000		1100	5000	ug/L
SSTDICV040	SSTDICV040	Water	2-Nitroaniline	43,000.000		1400	5000	ug/L
SSTDICV040	SSTDICV040	Water	2-Nitrophenol	46,100.000		2000	5000	ug/L
SSTDICV040	SSTDICV040	Water	3+4-Methylphenols	44,800.000		1200	10000	ug/L
SSTDICV040	SSTDICV040	Water	3,3-Dichlorobenzidine	45,400.000		1300	10000	ug/L
SSTDICV040	SSTDICV040	Water	3-Nitroaniline	44,600.000		1400	5000	ug/L
SSTDICV040	SSTDICV040	Water	4,6-Dinitro-2-methylphenol	41,300.000		3100	10000	ug/L
SSTDICV040	SSTDICV040	Water	4-Bromophenyl-phenylether	40,400.000		950	5000	ug/L
SSTDICV040	SSTDICV040	Water	4-Chloro-3-methylphenol	43,000.000		840	5000	ug/L
SSTDICV040	SSTDICV040	Water	4-Chloroaniline	44,400.000		1300	5000	ug/L
SSTDICV040	SSTDICV040	Water	4-Chlorophenyl-phenylether	41,900.000		980	5000	ug/L
SSTDICV040	SSTDICV040	Water	4-Nitroaniline	46,500.000		2000	5000	ug/L
SSTDICV040	SSTDICV040	Water	4-Nitrophenol	43,700.000		2000	10000	ug/L
SSTDICV040	SSTDICV040	Water	Acenaphthene	41,300.000		810	5000	ug/L
SSTDICV040	SSTDICV040	Water	Acenaphthylene	41,300.000		1000	5000	ug/L
SSTDICV040	SSTDICV040	Water	Acetophenone	42,300.000		1100	5000	ug/L
SSTDICV040	SSTDICV040	Water	Aniline	44,000.000		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.: BM062724

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	SSTDICV040	Water	Anthracene	41,500.000		1100	5000	ug/L
SSTDICV040	SSTDICV040	Water	Atrazine	42,100.000		1300	5000	ug/L
SSTDICV040	SSTDICV040	Water	Azobenzene	40,800.000		1200	5000	ug/L
SSTDICV040	SSTDICV040	Water	Benzaldehyde	43,100.000		4000	10000	ug/L
SSTDICV040	SSTDICV040	Water	Benzidine	48,200.000		4100	10000	ug/L
SSTDICV040	SSTDICV040	Water	Benzo(a)anthracene	42,000.000		940	5000	ug/L
SSTDICV040	SSTDICV040	Water	Benzo(a)pyrene	42,200.000		1700	5000	ug/L
SSTDICV040	SSTDICV040	Water	Benzo(b)fluoranthene	42,300.000		1100	5000	ug/L
SSTDICV040	SSTDICV040	Water	Benzo(g,h,i)perylene	42,800.000		1200	5000	ug/L
SSTDICV040	SSTDICV040	Water	Benzo(k)fluoranthene	40,900.000		1200	5000	ug/L
SSTDICV040	SSTDICV040	Water	Benzoic acid	43,500.000		5500	10000	ug/L
SSTDICV040	SSTDICV040	Water	Benzyl Alcohol	44,800.000		1600	10000	ug/L
SSTDICV040	SSTDICV040	Water	bis(2-Chloroethoxy)methane	42,300.000		1000	5000	ug/L
SSTDICV040	SSTDICV040	Water	bis(2-Chloroethyl)ether	42,600.000		1200	5000	ug/L
SSTDICV040	SSTDICV040	Water	Bis(2-ethylhexyl)phthalate	41,300.000		1900	5000	ug/L
SSTDICV040	SSTDICV040	Water	Butylbenzylphthalate	43,800.000		2100	5000	ug/L
SSTDICV040	SSTDICV040	Water	Caprolactam	44,600.000		1700	10000	ug/L
SSTDICV040	SSTDICV040	Water	Carbazole	42,600.000		1200	5000	ug/L
SSTDICV040	SSTDICV040	Water	Chrysene	41,600.000		860	5000	ug/L
SSTDICV040	SSTDICV040	Water	Di-n-butylphthalate	43,100.000		1500	5000	ug/L
SSTDICV040	SSTDICV040	Water	Di-n-octyl phthalate	43,700.000		2500	10000	ug/L
SSTDICV040	SSTDICV040	Water	Dibenzo(a,h)anthracene	43,600.000		1200	5000	ug/L
SSTDICV040	SSTDICV040	Water	Dibenzofuran	41,600.000		930	5000	ug/L
SSTDICV040	SSTDICV040	Water	Diethylphthalate	41,700.000		1000	5000	ug/L
SSTDICV040	SSTDICV040	Water	Dimethylphthalate	41,300.000		930	5000	ug/L
SSTDICV040	SSTDICV040	Water	Fluoranthene	42,800.000		1300	5000	ug/L
SSTDICV040	SSTDICV040	Water	Fluorene	42,100.000		960	5000	ug/L
SSTDICV040	SSTDICV040	Water	Hexachlorobenzene	40,600.000		1100	5000	ug/L
SSTDICV040	SSTDICV040	Water	Hexachlorobutadiene	41,300.000		1300	5000	ug/L
SSTDICV040	SSTDICV040	Water	Hexachlorocyclopentadiene	39,300.000		5000	10000	ug/L
SSTDICV040	SSTDICV040	Water	Hexachloroethane	41,200.000		1000	5000	ug/L
SSTDICV040	SSTDICV040	Water	Indeno(1,2,3-cd)pyrene	42,800.000		1000	5000	ug/L
SSTDICV040	SSTDICV040	Water	Isophorone	41,700.000		1100	5000	ug/L
SSTDICV040	SSTDICV040	Water	n-Nitroso-di-n-propylamine	46,100.000		1500	2500	ug/L
SSTDICV040	SSTDICV040	Water	n-Nitrosodimethylamine	42,100.000		1000	10000	ug/L
SSTDICV040	SSTDICV040	Water	n-Nitrosodiphenylamine	41,300.000		890	5000	ug/L
SSTDICV040	SSTDICV040	Water	Naphthalene	41,200.000		1000	5000	ug/L
SSTDICV040	SSTDICV040	Water	Nitrobenzene	41,400.000		1300	5000	ug/L
SSTDICV040	SSTDICV040	Water	Pentachlorophenol	44,600.000		1900	10000	ug/L
SSTDICV040	SSTDICV040	Water	Phenanthrene	41,200.000		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.: BM062724

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	SSTDICV040	Water	Phenol	43,300.000		930	5000	ug/L
SSTDICV040	SSTDICV040	Water	Pyrene	40,900.000		1100	5000	ug/L
SSTDICV040	SSTDICV040	Water	Pyridine	43,800.000		1600	5000	ug/L
SSTDICV040	SSTDICV040	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	86,100.000		2700	10000	ug/L
SSTDICV040	SSTDICV040	Water	Total PAH	670,500.000		17360	80000	ug/L
			Total Svoc :	**4,154,700.00**				
			Total Concentration:	**4,154,700.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM062724 SAS No.: BM062724 SDG No.: BM062724

Instrument ID: Calibration Date(s): 6/27/2024

Calibration Time(s): 16:12

LAB FILE ID: RRF2.5 = BM046334.D RRF005 = BM046335.D RRF010 = BM046336.D
RRF020 = BM046337.D RRF040 = BM046338.D RRF050 = BM046339.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		1.009	1.019	1.095	1.098	1.027	1.038	4.0
Pyridine		1.190	1.322	1.420	1.433	1.360	1.341	6.0
2-Fluorophenol		1.202	1.182	1.258	1.314	1.243	1.244	3.7
Benzaldehyde		1.327	1.287	1.196	1.052	0.898	1.096	19.2
Aniline		1.506	1.573	1.710	1.761	1.601	1.605	5.9
Phenol-d6		1.599	1.679	1.850	1.905	1.776	1.768	5.9
Phenol		1.708	1.639	1.800	1.864	1.729	1.749	4.2
bis(2-Chloroethyl)ether		1.415	1.350	1.427	1.518	1.409	1.420	3.5
2-Chlorophenol		1.322	1.344	1.417	1.470	1.372	1.386	3.6
1,2-Dichlorobenzene		1.544	1.554	1.589	1.641	1.540	1.559	3.0
1,3-Dichlorobenzene		1.485	1.518	1.573	1.606	1.508	1.537	2.9
1,4-Dichlorobenzene		1.622	1.552	1.597	1.636	1.550	1.581	2.7
Benzyl Alcohol		1.256	1.320	1.513	1.615	1.458	1.453	8.6
2-Methylphenol		1.153	1.138	1.262	1.331	1.212	1.220	5.4
2,2-oxybis(1-Chloropropane)		2.426	2.509	2.529	2.557	2.324	2.417	5.1
Acetophenone		0.492	0.525	0.565	0.590	0.560	0.559	6.9
3+4-Methylphenols		1.543	1.614	1.848	1.946	1.760	1.769	8.1
n-Nitroso-di-n-propylamine	1.029	1.206	1.305	1.476	1.516	1.361	1.342	12.0
Nitrobenzene-d5		0.454	0.467	0.489	0.508	0.484	0.482	3.7
Hexachloroethane		0.716	0.710	0.723	0.737	0.693	0.712	2.4
Nitrobenzene		0.465	0.454	0.482	0.498	0.474	0.474	3.0
Isophorone		0.792	0.806	0.846	0.868	0.801	0.818	3.6
2-Nitrophenol		0.128	0.143	0.172	0.188	0.179	0.170	14.7
2,4-Dimethylphenol		0.186	0.205	0.219	0.228	0.213	0.213	6.5
bis(2-Chloroethoxy)methane		0.416	0.429	0.464	0.479	0.448	0.452	5.1
2,4-Dichlorophenol		0.234	0.262	0.296	0.310	0.294	0.287	9.9
1,2,4-Trichlorobenzene		0.312	0.310	0.326	0.337	0.320	0.325	3.7
Benzoic acid			0.158	0.244	0.268	0.252	0.241	17.3
Naphthalene		1.076	1.058	1.105	1.136	1.070	1.096	2.8
4-Chloroaniline		0.314	0.358	0.401	0.418	0.396	0.384	9.4
Hexachlorobutadiene		0.195	0.190	0.202	0.205	0.196	0.200	3.8
Caprolactam		0.088	0.101	0.114	0.115	0.109	0.105	8.9
4-Chloro-3-methylphenol		0.316	0.338	0.370	0.388	0.358	0.357	6.6
2-Methylnaphthalene		0.699	0.721	0.747	0.777	0.729	0.739	3.6
Hexachlorocyclopentadiene			0.170	0.205	0.209	0.209	0.209	12.3
2,4,6-Trichlorophenol		0.281	0.317	0.364	0.371	0.366	0.354	11.6

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.: BM062724 SAS No.: BM062724 SDG No.: BM062724

Instrument ID: Calibration Date(s): 6/27/2024

Calibration Time(s): 16:12

LAB FILE ID: RRF2.5 = BM046334.D RRF005 = BM046335.D RRF010 = BM046336.D
RRF020 = BM046337.D RRF040 = BM046338.D RRF050 = BM046339.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.365	1.355	1.461	1.518	1.460	1.476	6.7
2,4,5-Trichlorophenol		0.395	0.382	0.402	0.424	0.398	0.408	4.7
1,1-Biphenyl		1.426	1.415	1.487	1.543	1.478	1.497	4.5
2-Chloronaphthalene		1.086	1.082	1.174	1.205	1.159	1.162	5.1
2-Nitroaniline		0.382	0.417	0.481	0.502	0.480	0.461	9.5
Dimethylphthalate		1.365	1.400	1.484	1.532	1.464	1.462	4.0
Acenaphthylene		1.650	1.681	1.797	1.863	1.801	1.792	5.2
2,6-Dinitrotoluene		0.288	0.309	0.334	0.345	0.332	0.326	6.1
3-Nitroaniline		0.266	0.296	0.342	0.359	0.346	0.329	10.7
Acenaphthene		1.053	1.044	1.120	1.153	1.110	1.114	4.4
2,4-Dinitrophenol			0.106	0.164	0.184	0.178	0.169	19.4
4-Nitrophenol			0.151	0.251	0.275	0.265	0.245	19.5
Dibenzofuran		1.681	1.681	1.797	1.857	1.778	1.785	4.3
2,4-Dinitrotoluene		0.395	0.419	0.489	0.514	0.491	0.471	9.7
Diethylphthalate		1.511	1.564	1.636	1.693	1.613	1.608	3.6
4-Chlorophenyl-phenylether		0.645	0.649	0.702	0.744	0.709	0.711	7.0
Fluorene		1.391	1.407	1.533	1.608	1.535	1.527	6.1
4-Nitroaniline		0.247	0.286	0.344	0.368	0.350	0.323	13.7
4,6-Dinitro-2-methylphenol			0.085	0.116	0.127	0.120	0.119	15.0
n-Nitrosodiphenylamine		0.523	0.541	0.575	0.600	0.570	0.581	7.9
Azobenzene		1.837	1.899	2.006	2.018	1.903	1.917	3.6
2,4,6-Tribromophenol		0.206	0.230	0.259	0.264	0.252	0.243	8.1
4-Bromophenyl-phenylether		0.188	0.189	0.205	0.210	0.199	0.204	7.3
Hexachlorobenzene		0.230	0.226	0.243	0.246	0.236	0.241	5.3
Atrazine		0.173	0.176	0.188	0.163	0.152	0.161	12.5
Pentachlorophenol		0.116	0.131	0.159	0.168	0.157	0.152	13.1
Phenanthrene		1.014	1.004	1.066	1.106	1.055	1.064	4.0
Anthracene		0.952	0.975	1.045	1.085	1.032	1.035	5.1
Carbazole		0.942	0.957	1.045	1.085	1.040	1.019	5.5
Di-n-butylphthalate		1.161	1.246	1.410	1.488	1.393	1.370	8.9
Fluoranthene		1.177	1.217	1.296	1.353	1.285	1.258	6.4
Benzidine		0.193	0.119	0.157	0.270	0.222	0.208	31.0
Pyrene		1.238	1.238	1.379	1.406	1.333	1.389	11.4
Terphenyl-d14		1.006	1.043	1.198	1.262	1.184	1.209	13.7
Butylbenzylphthalate		0.522	0.555	0.663	0.701	0.658	0.654	13.1
3,3-Dichlorobenzidine		0.386	0.388	0.446	0.465	0.437	0.421	7.1

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.: BM062724 SAS No.: BM062724 SDG No.: BM062724

Instrument ID: Calibration Date(s): 6/27/2024

Calibration Time(s): 16:12

LAB FILE ID: RRF2.5 = BM046334.D RRF005 = BM046335.D RRF010 = BM046336.D
RRF020 = BM046337.D RRF040 = BM046338.D RRF050 = BM046339.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.244	1.251	1.320	1.335	1.306	1.312	3.7
Chrysene		1.201	1.202	1.266	1.297	1.247	1.255	3.2
Bis(2-ethylhexyl)phthalate		0.767	0.847	1.039	1.130	1.046	1.019	15.1
Di-n-octyl phthalate		1.355	1.478	1.692	1.818	1.723	1.652	10.6
Benzo(b)fluoranthene		1.020	1.061	1.230	1.277	1.167	1.185	9.0
Benzo(k)fluoranthene		1.105	1.107	1.192	1.248	1.145	1.178	5.0
Benzo(a)pyrene		0.941	0.952	1.049	1.101	1.041	1.040	6.6
Indeno(1,2,3-cd)pyrene		1.267	1.279	1.257	1.219	1.332	1.283	4.6
Dibenzo(a,h)anthracene		1.048	1.043	1.040	1.022	1.123	1.071	4.7
Benzo(g,h,i)perylene		1.078	1.060	1.024	0.979	1.118	1.061	6.4
1,2,4,5-Tetrachlorobenzene		0.514	0.495	0.532	0.536	0.534	0.534	4.9
1,4-Dioxane		0.543	0.525	0.462	0.481	0.461	0.480	8.3
2,3,4,6-Tetrachlorophenol		0.332	0.334	0.353	0.361	0.343	0.344	3.0
1-Methylnaphthalene		0.710	0.700	0.740	0.764	0.710	0.731	3.4

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.: BM062724 SAS No.: BM062724 SDG NO.: BM062724

EPA Sample No.: SSTDICCC040 Date Analyzed: Jun 27 2024 12:00AM

Lab File ID: BM046338.D Time Analyzed: 22:12

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	120330	7.375	559161	10.13	367073	14.02
	UPPER LIMIT	240660	7.875	1118322	10.628	734146	14.522
	LOWER LIMIT	60165	6.875	279580.5	9.628	183536.5	13.522
	EPA SAMPLE NO.						
01	SSTDICV040	153167	7.37	723876	10.13	480292	14.02
02	PB161688TB	71759	7.38	283429	10.15	188494	14.03

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.: BM062724 SAS No.: BM062724 SDG NO.: BM062724

EPA Sample No.: SSTDICCC040 Date Analyzed: Jun 27 2024 12:00AM

Lab File ID: BM046338.D Time Analyzed: 22:12

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	120330	7.375	559161	10.13	367073	14.02
	UPPER LIMIT	240660	7.875	1118322	10.628	734146	14.522
	LOWER LIMIT	60165	6.875	279580.5	9.628	183536.5	13.522
	EPA SAMPLE NO.						
01	SSTDICV040	153167	7.37	723876	10.13	480292	14.02
02	PB161688TB	71759	7.38	283429	10.15	188494	14.03

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.: BM062724 SAS No.: BM062724 SDG NO.: BM062724

EPA Sample No.: SSTDICCC040 Date Analyzed: Jun 27 2024 12:00AM

Lab File ID: BM046338.D Time Analyzed: 22:12

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #		RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	759168	16.774	759826		20.998	815168	23.674
	UPPER LIMIT	1518336	17.274	1519652		21.498	1630336	24.174
	LOWER LIMIT	379584	16.274	379913		20.498	407584	23.174
	EPA SAMPLE NO.							
01	SSTDICV040	989997	16.77	982254		21.00	1.14556e+	23.67
02	PB161688TB	405442	16.79	371443	*	21.00	461383	23.67

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.: BM062724 SAS No.: BM062724 SDG NO.: BM062724

EPA Sample No.: SSTDICCC040 Date Analyzed: Jun 27 2024 12:00AM

Lab File ID: BM046338.D Time Analyzed: 22:12

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #		RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	759168	16.774	759826		20.998	815168	23.674
	UPPER LIMIT	1518336	17.274	1519652		21.498	1630336	24.174
	LOWER LIMIT	379584	16.274	379913		20.498	407584	23.174
	EPA SAMPLE NO.							
01	SSTDICV040	989997	16.77	982254		21.00	1.14556e+	23.67
02	PB161688TB	405442	16.79	371443	*	21.00	461383	23.67

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.

SSTDICV040

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM062724 SAS No.: BM062724 SDG NO.: BM062724

Lab File ID: BM046342.D Lab Sample ID: SSTDICV040

Instrument ID: BNA_M Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 06/27/2024

Level: (low/med) LOW Time Analyzed: 22:12

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SSTDICV040	SSTDICV040	BM046342.D	06/27/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161688TB

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM062724 SAS No.: BM062724 SDG NO.: BM062724

Lab File ID: BM046343.D Lab Sample ID: PB161688TB

Instrument ID: BNA_M Date Extracted: 06/26/2024

Matrix: (soil/water) water Date Analyzed: 06/27/2024

Level: (low/med) LOW Time Analyzed: 22:51

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161688TB	PB161688TB	BM046343.D	06/27/2024

COMMENTS:

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Surrogate Summary

SW-846

SDG No.: BM062724

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDICV040	SSTDICV040	BM046342.D	2-Fluorophenol	150	84,131.00	56087	*	10	139
			Phenol-d6	150	87,055.00	58037	*	10	134
			Nitrobenzene-d5	100	83,091.00	83091	*	49	133
			2-Fluorobiphenyl	100	82,046.00	82046	*	52	132
			2,4,6-Tribromophenol	150	85,044.00	56696	*	32	145
			Terphenyl-d14	100	83,256.00	83256	*	36	145

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Surrogate Summary

SW-846

SDG No.: BM062724

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB161688TB	PB161688TB	BM046343.D	2-Fluorophenol	150	158.92	106		10	139
			Phenol-d6	150	139.59	93		10	134
			Nitrobenzene-d5	100	87.40	87		49	133
			2-Fluorobiphenyl	100	83.48	83		52	132
			2,4,6-Tribromophenol	150	141.81	95		32	145
			Terphenyl-d14	100	90.99	91		36	145

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BM062724

Lab Code: CHEM SAS No.: BM062724 SDG NO.: BM062724

Lab File ID: BM046333.D DFTPP Injection Date: 06/27/2024

Instrument ID: BNA_M DFTPP Injection Time: 15:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	83.2
68	Less than 2.0% of mass 69	1.1 (1.6) 1
69	Mass 69 relative abundance	70.4
70	Less than 2.0% of mass 69	0.5 (0.7) 1
127	10.0 - 80.0% of mass 198	65
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 60.0% of mass 198	27.3
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	10.1
442	Greater than 50% of mass 198	62.9
443	15.0 - 24.0% of mass 442	12.3 (19.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM046334.D	06/27/2024	16:12
SSTDICC005	SSTDICC005	BM046335.D	06/27/2024	16:52
SSTDICC010	SSTDICC010	BM046336.D	06/27/2024	17:32
SSTDICC020	SSTDICC020	BM046337.D	06/27/2024	18:13
SSTDICCC040	SSTDICCC040	BM046338.D	06/27/2024	18:53
SSTDICC050	SSTDICC050	BM046339.D	06/27/2024	19:33
SSTDICC060	SSTDICC060	BM046340.D	06/27/2024	20:13
SSTDICC080	SSTDICC080	BM046341.D	06/27/2024	20:52
SSTDICV040	SSTDICV040	BM046342.D	06/27/2024	22:12
PB161688TB	PB161688TB	BM046343.D	06/27/2024	22:51