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.: BG090924 SAS No.: BG090924 SDG No.: BG090924

Instrument ID: BNA_G Calibration Date/Time: 9/9/2024 12: 19:08

Lab File ID: BG062694.D Init. Calib. Date(s):

EPA Sample No.: SICV444 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.496	0.490	0.010	-1.1581	40.0
Benzaldehyde	0.964	1.130	0.010	17.225	40.0
Pyridine	1.477	1.380	0.010	-6.6007	40.0
Phenol	1.823	1.710	0.080	-6.1826	20.0
Bis(2-Chloroethyl)ether	1.378	1.271	0.100	-7.7565	20.0
2-Chlorophenol	1.306	1.281	0.200	-1.9471	20.0
2-Methylphenol	1.367	1.262	0.010	-7.7174	20.0
2,2-oxybis(1-Chloropropane)	2.481	2.343	0.010	-5.5381	40.0
Acetophenone	2.375	2.268	0.060	-4.5228	20.0
4-Methylphenol	1.538	1.441	0.010	-6.3165	20.0
N-Nitroso-di-n-propylamine	1.243	1.178	0.050	-5.2253	30.0
Hexachloroethane	0.526	0.517	0.100	-1.6181	20.0
Nitrobenzene	0.387	0.392	0.050	1.2986	25.0
Isophorone	0.791	0.785	0.050	-0.7392	25.0
2-Nitrophenol	0.172	0.182	0.050	5.3909	25.0
2,4-Dimethylphenol	0.368	0.363	0.050	-1.5396	25.0
Bis(2-Chloroethoxy)methane	0.442	0.440	0.050	-0.415	20.0
2,4-Dichlorophenol	0.335	0.341	0.060	1.7338	20.0
Naphthalene	1.072	1.047	0.200	-2.4068	20.0
4-Chloroaniline	0.465	0.447	0.010	-3.9471	40.0
Hexachlorobutadiene	0.279	0.285	0.040	2.116	30.0
Caprolactam	0.124	0.129	0.010	4.3964	40.0
4-Chloro-3-methylphenol	0.366	0.365	0.040	-0.3309	25.0
1-Methylnaphthalene	0.811	0.803	0.100	-0.9577	20.0
2-Methylnaphthalene	0.791	0.787	0.100	-0.5471	20.0
Hexachlorocyclopentadiene	0.352	0.333	0.010	-5.4696	40.0
2,4,6-Trichlorophenol	0.416	0.410	0.090	-1.44	25.0
2,4,5-Trichlorophenol	0.447	0.456	0.100	2.0587	25.0
1,1-Biphenyl	1.406	1.371	0.200	-2.5175	20.0
2-Chloronaphthalene	1.144	1.133	0.300	-0.9038	20.0
2-Nitroaniline	0.314	0.315	0.050	0.3452	40.0
Dimethylphthalate	1.586	1.573	0.300	-0.8513	20.0
2,6-Dinitrotoluene	0.279	0.288	0.080	2.9988	30.0
Acenaphthylene	1.806	1.780	0.400	-1.4561	20.0
3-Nitroaniline	0.280	0.303	0.010	8.3022	40.0
Acenaphthene	1.279	1.254	0.200	-1.9633	20.0
2,4-Dinitrophenol	0.185	0.178	0.010	-3.7102	40.0
4-Nitrophenol	0.235	0.232	0.010	-1.4257	40.0
Dibenzofuran	1.900	1.880	0.300	-1.0686	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG090924 SAS No.: BG090924 SDG No.: BG090924

Instrument ID: BNA_G Calibration Date/Time: 9/9/2024 12: 19:08

Lab File ID: BG062694.D Init. Calib. Date(s):

EPA Sample No.: SICV444 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.437	0.456	0.070	4.3318	30.0
Diethylphthalate	1.565	1.563	0.300	-0.1254	20.0
Fluorene	1.493	1.468	0.200	-1.6397	20.0
4-Chlorophenyl-phenylether	0.876	0.852	0.100	-2.7389	20.0
4-Nitroaniline	0.301	0.327	0.010	8.493	40.0
4,6-Dinitro-2-methylphenol	0.119	0.115	0.010	-3.5822	40.0
N-Nitrosodiphenylamine	0.513	0.513	0.050	-0.0096	20.0
1,2,4,5-Tetrachlorobenzene	0.688	0.676	0.100	-1.6864	20.0
4-Bromophenyl-phenylether	0.230	0.226	0.070	-1.7417	20.0
Hexachlorobenzene	0.263	0.256	0.050	-2.4985	25.0
Atrazine	0.228	0.229	0.010	0.0847	25.0
Pentachlorophenol	0.157	0.155	0.010	-1.0917	40.0
Phenanthrene	1.040	1.031	0.200	-0.8642	20.0
Pentachlorobenzene	0.303	0.289	0.050	-4.4488	20.0
Anthracene	1.060	1.049	0.200	-1.0387	20.0
1,2,3,4-Tetrachlorobenzene	0.273	0.270	0.050	-1.0951	20.0
Carbazole	0.879	0.899	0.050	2.2726	40.0
Di-n-butylphthalate	1.040	1.055	0.500	1.4658	25.0
Fluoranthene	1.246	1.214	0.400	-2.6159	25.0
Pyrene	1.342	1.315	0.400	-2.0281	25.0
Butylbenzylphthalate	0.398	0.400	0.100	0.435	40.0
3,3-Dichlorobenzidine	0.421	0.451	0.010	7.0848	40.0
Benzo(a)anthracene	1.391	1.365	0.300	-1.8456	30.0
Chrysene	1.320	1.293	0.200	-1.9955	30.0
Bis(2-ethylhexyl)phthalate	0.587	0.585	0.200	-0.191	40.0
Di-n-octyl phthalate	0.930	0.939	0.010	0.9802	40.0
Benzo(b)fluoranthene	1.235	1.203	0.200	-2.5889	25.0
Benzo(k)fluoranthene	1.264	1.250	0.200	-1.172	25.0
Benzo(a)pyrene	1.165	1.143	0.200	-1.8206	20.0
Indeno(1,2,3-cd)pyrene	1.435	1.393	0.200	-2.9421	25.0
Dibenzo(a,h)anthracene	1.153	1.133	0.200	-1.6607	30.0
Benzo(g,h,i)perylene	1.108	1.064	0.200	-4.0256	30.0
2,3,4,6-Tetrachlorophenol	0.453	0.461	0.040	1.7872	20.0
1,4-Dioxane-d8	0.442	0.410	0.010	-7.4187	25.0
Pyridine-d5	1.408	1.249	0.010	-11.2866	40.0
Phenol-d5	1.754	1.596	0.010	-8.9819	25.0
Bis-(2-Chloroethyl)ether-d8	1.051	0.966	0.050	-8.1043	25.0
2-Chlorophenol-d4	1.277	1.248	0.200	-2.2765	20.0
4-Methylphenol-d8	1.461	1.378	0.010	-5.7264	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG090924 SAS No.: BG090924 SDG No.: BG090924

Instrument ID: BNA_G Calibration Date/Time: 9/9/2024 12: 19:08

Lab File ID: BG062694.D Init. Calib. Date(s):

EPA Sample No.: SICV444 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.143	0.143	0.050	0.0936	20.0
2-Nitrophenol-d4	0.156	0.169	0.050	8.2613	30.0
2,4-Dichlorophenol-d3	0.340	0.340	0.060	-0.0135	20.0
4-Chloroaniline-d4	0.468	0.448	0.010	-4.3322	40.0
Dimethylphthalate-d6	1.540	1.552	0.300	0.8016	20.0
Acenaphthylene-d8	1.711	1.685	0.400	-1.5177	20.0
4-Nitrophenol-d4	0.262	0.259	0.010	-1.194	40.0
Fluorene-d10	1.388	1.371	0.100	-1.2294	20.0
4,6-Dinitro-2-methylphenol-d2	0.115	0.112	0.010	-2.7746	40.0
Anthracene-d10	0.944	0.935	0.300	-0.9798	20.0
Pyrene-d10	1.125	1.086	0.300	-3.5326	25.0
Benzo(a)pyrene-d12	1.056	1.034	0.010	-2.0431	20.0

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:		SDG No.:	
Lab Sample ID:		Matrix:	
Analytical Method:			
Sample Wt/Vol:	Units:	Final Vol:	
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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Hit Summary Sheet
SW-846

SDG No.: BG090924

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :							

Total Concentration:

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG090924 SAS No.: BG090924 SDG No.: BG090924

Instrument ID: Calibration Date(s): 9/9/2024 1:

Calibration Time(s): 14:21

LAB FILE ID: RRFAL1 = BG062688.D RRFAL2 = BG062689.D RRFAL3 = BG062690.D
RRFAL4 = BG062691.D RRFAL5 = BG062692.D RRFAL6 = BG062693.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.446	0.611	0.434	0.501	0.488		0.496	14.2
Benzaldehyde		1.063	1.183	1.052	0.806	0.716	0.964	20.2
Pyridine		1.545	1.384	1.478	1.516	1.462	1.477	4.1
Hexachloroethane	0.472	0.565	0.513	0.543	0.535		0.526	6.7
Nitrobenzene	0.336	0.408	0.387	0.400	0.403		0.387	7.6
Isophorone	0.716	0.840	0.788	0.795	0.815		0.791	5.9
2-Nitrophenol	0.141	0.180	0.172	0.182	0.186		0.172	10.5
2,4-Dimethylphenol	0.331	0.388	0.364	0.372	0.385		0.368	6.2
Bis(2-Chloroethoxy)methane	0.411	0.474	0.438	0.443	0.443		0.442	5.1
2,4-Dichlorophenol	0.292	0.354	0.332	0.347	0.351		0.335	7.6
Naphthalene	1.016	1.177	1.049	1.069	1.051		1.072	5.7
4-Chloroaniline		0.497	0.447	0.470	0.479	0.435	0.465	5.4
Hexachlorobutadiene	0.266	0.301	0.272	0.280	0.277		0.279	4.7
Phenol		1.803	1.757	1.797	1.874	1.884	1.823	3.0
Caprolactam		0.134	0.120	0.123	0.124	0.118	0.124	5.0
4-Chloro-3-methylphenol	0.330	0.387	0.353	0.377	0.383		0.366	6.6
1-Methylnaphthalene	0.778	0.867	0.797	0.808	0.804		0.811	4.1
2-Methylnaphthalene	0.743	0.841	0.784	0.798	0.791		0.791	4.4
Hexachlorocyclopentadiene		0.323	0.326	0.351	0.366	0.393	0.352	8.2
2,4,6-Trichlorophenol	0.379	0.432	0.407	0.433	0.431		0.416	5.6
2,4,5-Trichlorophenol	0.389	0.469	0.443	0.464	0.472		0.447	7.7
1,1-Biphenyl	1.349	1.544	1.376	1.398	1.365		1.406	5.6
2-Chloronaphthalene	1.081	1.226	1.129	1.158	1.125		1.144	4.7
2-Nitroaniline	0.256	0.321	0.305	0.340	0.346		0.314	11.4
Bis(2-Chloroethyl)ether		1.455	1.370	1.362	1.375	1.328	1.378	3.4
Dimethylphthalate	1.504	1.778	1.539	1.587	1.522		1.586	7.1
2,6-Dinitrotoluene	0.218	0.294	0.277	0.300	0.308		0.279	12.9
Acenaphthylene	1.715	1.989	1.780	1.818	1.728		1.806	6.1
3-Nitroaniline		0.297	0.283	0.292	0.266	0.260	0.280	5.8
Acenaphthene	1.227	1.414	1.248	1.271	1.236		1.279	6.0
2,4-Dinitrophenol		0.141	0.154	0.192	0.207	0.228	0.185	19.6
4-Nitrophenol		0.242	0.219	0.238	0.242	0.234	0.235	4.0
Dibenzofuran	1.829	2.091	1.889	1.889	1.803		1.900	6.0
2,4-Dinitrotoluene	0.360	0.460	0.428	0.462	0.475		0.437	10.6
Diethylphthalate	1.476	1.760	1.536	1.559	1.493		1.565	7.3
2-Chlorophenol	1.168	1.311	1.296	1.355	1.400		1.306	6.7

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.: BG090924 SAS No.: BG090924 SDG No.: BG090924

Instrument ID: Calibration Date(s): 9/9/2024 1:

Calibration Time(s): 14:21

LAB FILE ID: RRFAL1 = BG062688.D RRFAL2 = BG062689.D RRFAL3 = BG062690.D
RRFAL4 = BG062691.D RRFAL5 = BG062692.D RRFAL6 = BG062693.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.486	1.657	1.457	1.482	1.381		1.493	6.8
4-Chlorophenyl-phenylether	0.857	0.981	0.860	0.862	0.818		0.876	7.1
4-Nitroaniline		0.328	0.309	0.319	0.278	0.271	0.301	8.3
4,6-Dinitro-2-methylphenol		0.108	0.111	0.123	0.129	0.126	0.119	8.1
N-Nitrosodiphenylamine	0.483	0.542	0.506	0.523	0.511		0.513	4.3
1,2,4,5-Tetrachlorobenzene	0.638	0.744	0.677	0.699	0.680		0.688	5.6
4-Bromophenyl-phenylether	0.216	0.248	0.223	0.234	0.229		0.230	5.1
Hexachlorobenzene	0.253	0.277	0.258	0.267	0.260		0.263	3.5
Atrazine		0.258	0.225	0.232	0.230	0.197	0.228	9.4
Pentachlorophenol		0.141	0.144	0.165	0.170	0.167	0.157	8.7
2-Methylphenol		1.305	1.325	1.369	1.419	1.418	1.367	3.8
Phenanthrene	1.004	1.149	1.025	1.047	0.975		1.040	6.4
Pentachlorobenzene	0.294	0.319	0.295	0.301	0.304		0.303	3.2
Anthracene	1.013	1.170	1.054	1.069	0.996		1.060	6.4
1,2,3,4-Tetrachlorobenzene	0.248	0.285	0.269	0.280	0.283		0.273	5.7
Carbazole		1.010	0.883	0.914	0.858	0.731	0.879	11.5
Di-n-butylphthalate	0.956	1.166	1.027	1.067	0.984		1.040	7.9
Fluoranthene	1.194	1.352	1.269	1.259	1.158		1.246	6.0
Pyrene	1.319	1.471	1.363	1.351	1.205		1.342	7.1
Butylbenzylphthalate	0.339	0.410	0.391	0.422	0.429		0.398	9.1
3,3-Dichlorobenzidine		0.479	0.454	0.445	0.395	0.332	0.421	13.9
2,2-oxybis(1-Chloropropane)		2.541	2.469	2.455	2.494	2.443	2.481	1.6
Benzo(a)anthracene	1.343	1.539	1.377	1.392	1.303		1.391	6.5
Chrysene	1.280	1.460	1.309	1.320	1.229		1.320	6.5
Bis(2-ethylhexyl)phthalate	0.525	0.610	0.582	0.612	0.603		0.587	6.2
Di-n-octyl phthalate		0.972	0.893	0.980	0.976	0.831	0.930	7.1
Benzo(b)fluoranthene	1.172	1.313	1.202	1.245	1.243		1.235	4.3
Benzo(k)fluoranthene	1.186	1.364	1.232	1.306	1.236		1.264	5.5
Benzo(a)pyrene	1.085	1.263	1.118	1.193	1.165		1.165	5.9
Indeno(1,2,3-cd)pyrene	1.309	1.518	1.386	1.470	1.491		1.435	6.0
Dibenzo(a,h)anthracene	1.037	1.223	1.123	1.183	1.198		1.153	6.5
Benzo(g,h,i)perylene	1.055	1.155	1.069	1.117	1.144		1.108	4.0
Acetophenone		2.349	2.420	2.370	2.415	2.323	2.375	1.8
2,3,4,6-Tetrachlorophenol	0.403	0.480	0.442	0.473	0.468		0.453	7.0
1,4-Dioxane-d8	0.372	0.506	0.417	0.460	0.456		0.442	11.3
Pyridine-d5		1.479	1.240	1.441	1.463	1.419	1.408	6.9

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.: BG090924 SAS No.: BG090924 SDG No.: BG090924

Instrument ID: Calibration Date(s): 9/9/2024 1:

Calibration Time(s): 14:21

LAB FILE ID: RRFAL1 = BG062688.D RRFAL2 = BG062689.D RRFAL3 = BG062690.D
RRFAL4 = BG062691.D RRFAL5 = BG062692.D RRFAL6 = BG062693.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.680	1.680	1.742	1.825	1.842	1.754	4.4
Bis-(2-Chloroethyl)ether-d8		1.092	1.029	1.044	1.057	1.035	1.051	2.4
2-Chlorophenol-d4	1.162	1.322	1.251	1.299	1.354		1.277	5.9
4-Methylphenol-d8		1.396	1.408	1.444	1.527	1.534	1.461	4.5
Nitrobenzene-d5	0.122	0.148	0.144	0.148	0.153		0.143	8.7
2-Nitrophenol-d4	0.126	0.158	0.155	0.169	0.174		0.156	12.0
2,4-Dichlorophenol-d3	0.311	0.354	0.336	0.346	0.356		0.340	5.4
4-Chloroaniline-d4		0.496	0.454	0.472	0.477	0.441	0.468	4.6
4-Methylphenol		1.479	1.493	1.534	1.589	1.595	1.538	3.5
Dimethylphthalate-d6	1.489	1.708	1.491	1.534	1.480		1.540	6.2
Acenaphthylene-d8	1.595	1.845	1.685	1.738	1.690		1.711	5.3
4-Nitrophenol-d4		0.274	0.239	0.270	0.267	0.258	0.262	5.3
Fluorene-d10	1.329	1.539	1.358	1.389	1.325		1.388	6.4
4,6-Dinitro-2-methylphenol-		0.104	0.101	0.119	0.125	0.125	0.115	10.1
Anthracene-d10	0.884	1.037	0.929	0.956	0.913		0.944	6.2
Pyrene-d10	1.076	1.215	1.125	1.141	1.071		1.125	5.2
Benzo(a)pyrene-d12	0.965	1.138	1.025	1.077	1.075		1.056	6.1
N-Nitroso-di-n-propylamine	1.053	1.273	1.285	1.283	1.323		1.243	8.7

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.: BG090924 SAS No.: BG090924 SDG NO.: BG090924

EPA Sample No.: SSTD020440 Date Analyzed: Sep 9 2024 12:00AM

Lab File ID: BG062690.D Time Analyzed: 19:08

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	68340	7.905	312720	10.70	252744	14.53
	UPPER LIMIT	136680	8.405	625440	11.196	505488	15.033
	LOWER LIMIT	34170	7.405	156360	10.196	126372	14.033
	EPA SAMPLE NO.						
01	SICV444	70512	7.91	300531	10.70	243920	14.53

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.: BG090924 SAS No.: BG090924 SDG NO.: BG090924

EPA Sample No.: _____ Date Analyzed: _____

Lab File ID: _____ Time Analyzed: _____

Instrument ID: _____ GC Column: _____ ID: _____ (mm)

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD						
UPPER LIMIT						
LOWER LIMIT						
EPA SAMPLE NO.						

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.: BG090924 SAS No.: BG090924 SDG NO.: BG090924

EPA Sample No.: SSTD020440 Date Analyzed: Sep 9 2024 12:00AM

Lab File ID: BG062690.D Time Analyzed: 19:08

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	650707	17.277	663481	21.525	733491	24.592
	UPPER LIMIT	1301414	17.777	1326962	22.025	1466982	25.092
	LOWER LIMIT	325353.5	16.777	331740.5	21.025	366745.5	24.092
	EPA SAMPLE NO.						
01	SICV444	646077	17.28	712351	21.52	767266	24.58

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.: BG090924 SAS No.: BG090924 SDG NO.: BG090924

EPA Sample No.: _____ Date Analyzed: _____

Lab File ID: _____ Time Analyzed: _____

Instrument ID: _____ GC Column: _____ ID: _____ (mm)

	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
12 HOUR STD						
UPPER LIMIT						
LOWER LIMIT						
EPA SAMPLE NO.						

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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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG090924

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
SSTDICV020	1,4-Dioxane	8	0	ug/L	0				0	0	
	Benzaldehyde	20	0	ug/L	0				0	0	
	Pyridine	20	0	ug/L	0				0	0	
	Phenol	20	0	ug/L	0				0	0	
	Bis(2-chloroethyl)ether	20	0	ug/L	0				0	0	
	2-Chlorophenol	20	0	ug/L	0				0	0	
	2-Methylphenol	20	0	ug/L	0				0	0	
	2,2-oxybis(1-Chloropropane)	20	0	ug/L	0				0	0	
	Acetophenone	20	0	ug/L	0				0	0	
	4-Methylphenol	20	0	ug/L	0				0	0	
	N-Nitroso-di-n-propylamine	20	0	ug/L	0				0	0	
	Hexachloroethane	20	0	ug/L	0				0	0	
	Nitrobenzene	20	0	ug/L	0				0	0	
	Isophorone	20	0	ug/L	0				0	0	
	2-Nitrophenol	20	0	ug/L	0				0	0	
	2,4-Dimethylphenol	20	0	ug/L	0				0	0	
	Bis(2-chloroethoxy)methane	20	0	ug/L	0				0	0	
	2,4-Dichlorophenol	20	0	ug/L	0				0	0	
	Naphthalene	20	0	ug/L	0				0	0	
	4-Chloroaniline	20	0	ug/L	0				0	0	
	Hexachlorobutadiene	20	0	ug/L	0				0	0	
	Caprolactam	20	0	ug/L	0				0	0	
	4-Chloro-3-methylphenol	20	0	ug/L	0				0	0	
	1-Methylnaphthalene	20	0	ug/L	0				0	0	
	2-Methylnaphthalene	20	0	ug/L	0				0	0	
	Hexachlorocyclopentadiene	20	0	ug/L	0				0	0	
	2,4,6-Trichlorophenol	20	0	ug/L	0				0	0	
	2,4,5-Trichlorophenol	20	0	ug/L	0				0	0	
	1,1'-Biphenyl	20	0	ug/L	0				0	0	
	2-Chloronaphthalene	20	0	ug/L	0				0	0	
	2-Nitroaniline	20	0	ug/L	0				0	0	
	Dimethylphthalate	20	0	ug/L	0				0	0	
	2,6-Dinitrotoluene	20	0	ug/L	0				0	0	
	Acenaphthylene	20	0	ug/L	0				0	0	
	3-Nitroaniline	20	0	ug/L	0				0	0	
	Acenaphthene	20	0	ug/L	0				0	0	
	2,4-Dinitrophenol	20	0	ug/L	0				0	0	
	4-Nitrophenol	20	0	ug/L	0				0	0	
	Dibenzofuran	20	0	ug/L	0				0	0	
	2,4-Dinitrotoluene	20	0	ug/L	0				0	0	
	Diethylphthalate	20	0	ug/L	0				0	0	
	Fluorene	20	0	ug/L	0				0	0	
	4-Chlorophenyl-phenylether	20	0	ug/L	0				0	0	
	4-Nitroaniline	20	0	ug/L	0				0	0	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG090924

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
SSTDICV020	4,6-Dinitro-2-methylphenol	20	0	ug/L	0				0	0	
	N-Nitrosodiphenylamine	20	0	ug/L	0				0	0	
	1,2,4,5-Tetrachlorobenzene	20	0	ug/L	0				0	0	
	4-Bromophenyl-phenylether	20	0	ug/L	0				0	0	
	Hexachlorobenzene	20	0	ug/L	0				0	0	
	Atrazine	20	0	ug/L	0				0	0	
	Pentachlorophenol	20	0	ug/L	0				0	0	
	Phenanthrene	20	0	ug/L	0				0	0	
	Pentachlorobenzene	20	0	ug/L	0				0	0	
	Anthracene	20	0	ug/L	0				0	0	
	1,2,3,4-Tetrachlorobenzene	20	0	ug/L	0				0	0	
	Carbazole	20	0	ug/L	0				0	0	
	Di-n-butylphthalate	20	0	ug/L	0				0	0	
	Fluoranthene	20	0	ug/L	0				0	0	
	Pyrene	20	0	ug/L	0				0	0	
	Butylbenzylphthalate	20	0	ug/L	0				0	0	
	3,3'-Dichlorobenzidine	20	0	ug/L	0				0	0	
	Benzo(a)anthracene	20	0	ug/L	0				0	0	
	Chrysene	20	0	ug/L	0				0	0	
	Bis(2-ethylhexyl)phthalate	20	0	ug/L	0				0	0	
	Di-n-octylphthalate	20	0	ug/L	0				0	0	
	Benzo(b)fluoranthene	20	0	ug/L	0				0	0	
	Benzo(k)fluoranthene	20	0	ug/L	0				0	0	
	Benzo(a)pyrene	20	0	ug/L	0				0	0	
	Indeno(1,2,3-cd)pyrene	20	0	ug/L	0				0	0	
	Dibenzo(a,h)anthracene	20	0	ug/L	0				0	0	
	Benzo(g,h,i)perylene	20	0	ug/L	0				0	0	
	2,3,4,6-Tetrachlorophenol	20	0	ug/L	0				0	0	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG090924 SAS No.: BG090924 SDG NO.: BG090924

Lab File ID: Lab Sample ID:

Instrument ID: Date Extracted:

Matrix: (soil/water) Date Analyzed:

Level: (low/med) Time Analyzed:

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.: _____

Client: _____

Analytical Method:

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BG090924

Lab Code: CHEM SAS No.: BG090924 SDG NO.: BG090924

Lab File ID: BG062687.D DFTPP Injection Date: 09/09/2024

Instrument ID: BNA_G DFTPP Injection Time: 12:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.7
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	33
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	40.2
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	7.2
275	10.0 - 60.0% of mass 198	30.9
365	Greater than 1% of mass 198	4.7
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	81.2
443	15.0 - 24.0% of mass 442	15.9 (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
SSTD005438	SSTD00552	BG062688.D	09/09/2024	14:21
SSTD010439	SSTD01053	BG062689.D	09/09/2024	15:04
SSTD020440	SSTD02054	BG062690.D	09/09/2024	15:44
SSTD040441	SSTD04055	BG062691.D	09/09/2024	16:24
SSTD080442	SSTD08056	BG062692.D	09/09/2024	17:04
SSTD160443	SSTD16057	BG062693.D	09/09/2024	17:46
SICV444	SSTDICV020	BG062694.D	09/09/2024	19:08