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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN091124 SAS No.: BN091124 SDG No.: BN091124

Instrument ID: BNA_N Calibration Date/Time: 9/10/2024 12 21:18

Lab File ID: BN033851.D Init. Calib. Date(s):

EPA Sample No.: SICV223 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.517	0.531	0.010	2.618	40.0
Benzaldehyde	0.937	0.913	0.010	-2.5549	40.0
Pyridine	1.491	1.416	0.010	-5.0284	40.0
Phenol	1.848	1.876	0.080	1.5264	20.0
Bis(2-Chloroethyl)ether	1.436	1.500	0.100	4.4665	20.0
2-Chlorophenol	1.432	1.487	0.200	3.8654	20.0
2-Methylphenol	1.381	1.408	0.010	1.9304	20.0
2,2-oxybis(1-Chloropropane)	2.118	2.210	0.010	4.3307	40.0
Acetophenone	2.314	2.463	0.060	6.4554	20.0
4-Methylphenol	1.537	1.585	0.010	3.1174	20.0
N-Nitroso-di-n-propylamine	1.146	1.233	0.050	7.6334	30.0
Hexachloroethane	0.604	0.620	0.100	2.6003	20.0
Nitrobenzene	0.399	0.403	0.050	1.0121	25.0
Isophorone	0.736	0.758	0.050	2.9989	25.0
2-Nitrophenol	0.183	0.190	0.050	3.4773	25.0
2,4-Dimethylphenol	0.377	0.341	0.050	-9.7424	25.0
Bis(2-Chloroethoxy)methane	0.453	0.460	0.050	1.6025	20.0
2,4-Dichlorophenol	0.313	0.316	0.060	1.006	20.0
Naphthalene	1.094	1.096	0.200	0.1843	20.0
4-Chloroaniline	0.461	0.476	0.010	3.3907	40.0
Hexachlorobutadiene	0.201	0.198	0.040	-1.3151	30.0
Caprolactam	0.124	0.118	0.010	-5.1309	40.0
4-Chloro-3-methylphenol	0.368	0.380	0.040	3.1442	25.0
1-Methylnaphthalene	0.763	0.738	0.100	-3.2577	20.0
2-Methylnaphthalene	0.754	0.778	0.100	3.1904	20.0
Hexachlorocyclopentadiene	0.355	0.310	0.010	-12.8756	40.0
2,4,6-Trichlorophenol	0.383	0.389	0.090	1.5925	25.0
2,4,5-Trichlorophenol	0.420	0.424	0.100	0.9405	25.0
1,1-Biphenyl	1.508	1.510	0.200	0.1293	20.0
2-Chloronaphthalene	1.175	1.163	0.300	-0.9714	20.0
2-Nitroaniline	0.380	0.396	0.050	4.2488	40.0
Dimethylphthalate	1.523	1.549	0.300	1.6553	20.0
2,6-Dinitrotoluene	0.300	0.336	0.080	12.069	30.0
Acenaphthylene	1.840	1.916	0.400	4.1075	20.0
3-Nitroaniline	0.331	0.378	0.010	13.9148	40.0
Acenaphthene	1.314	1.310	0.200	-0.2791	20.0
2,4-Dinitrophenol	0.176	0.163	0.010	-7.4793	40.0
4-Nitrophenol	0.261	0.257	0.010	-1.2942	40.0
Dibenzofuran	1.796	1.821	0.300	1.3717	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN091124 SAS No.: BN091124 SDG No.: BN091124

Instrument ID: BNA_N Calibration Date/Time: 9/10/2024 12 21:18

Lab File ID: BN033851.D Init. Calib. Date(s):

EPA Sample No.: SICV223 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.452	0.474	0.070	4.819	30.0
Diethylphthalate	1.592	1.624	0.300	2.0227	20.0
Fluorene	1.469	1.483	0.200	0.9069	20.0
4-Chlorophenyl-phenylether	0.712	0.706	0.100	-0.9397	20.0
4-Nitroaniline	0.341	0.395	0.010	15.9289	40.0
4,6-Dinitro-2-methylphenol	0.132	0.132	0.010	-0.6675	40.0
N-Nitrosodiphenylamine	0.599	0.620	0.050	3.4017	20.0
1,2,4,5-Tetrachlorobenzene	0.577	0.576	0.100	-0.1777	20.0
4-Bromophenyl-phenylether	0.203	0.204	0.070	0.4936	20.0
Hexachlorobenzene	0.236	0.240	0.050	1.8047	25.0
Atrazine	0.217	0.230	0.010	5.7228	25.0
Pentachlorophenol	0.157	0.157	0.010	0.1148	40.0
Phenanthrene	1.103	1.129	0.200	2.3543	20.0
Pentachlorobenzene	0.283	0.277	0.050	-2.3267	20.0
Anthracene	1.126	1.153	0.200	2.4182	20.0
1,2,3,4-Tetrachlorobenzene	0.278	0.260	0.050	-6.6446	20.0
Carbazole	1.036	1.097	0.050	5.8564	40.0
Di-n-butylphthalate	1.318	1.349	0.500	2.3814	25.0
Fluoranthene	1.303	1.316	0.400	1.0287	25.0
Pyrene	1.400	1.460	0.400	4.2174	25.0
Butylbenzylphthalate	0.628	0.633	0.100	0.8031	40.0
3,3-Dichlorobenzidine	0.449	0.520	0.010	15.6637	40.0
Benzo(a)anthracene	1.426	1.445	0.300	1.3171	30.0
Chrysene	1.361	1.372	0.200	0.8171	30.0
Bis(2-ethylhexyl)phthalate	0.919	0.945	0.200	2.7896	40.0
Di-n-octyl phthalate	1.331	1.346	0.010	1.1712	40.0
Benzo(b)fluoranthene	1.219	1.233	0.200	1.1418	25.0
Benzo(k)fluoranthene	1.203	1.252	0.200	4.1081	25.0
Benzo(a)pyrene	1.152	1.213	0.200	5.2677	20.0
Indeno(1,2,3-cd)pyrene	1.427	1.456	0.200	2.0355	25.0
Dibenzo(a,h)anthracene	1.154	1.195	0.200	3.6024	30.0
Benzo(g,h,i)perylene	1.108	1.091	0.200	-1.5608	30.0
2,3,4,6-Tetrachlorophenol	0.349	0.384	0.040	10.1785	20.0
1,4-Dioxane-d8	0.490	0.497	0.010	1.353	25.0
Pyridine-d5	1.457	1.537	0.010	5.5269	40.0
Phenol-d5	1.775	1.842	0.010	3.7546	25.0
Bis-(2-Chloroethyl)ether-d8	1.101	1.239	0.050	12.4873	25.0
2-Chlorophenol-d4	1.397	1.476	0.200	5.6497	20.0
4-Methylphenol-d8	1.461	1.536	0.010	5.1457	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN091124 SAS No.: BN091124 SDG No.: BN091124

Instrument ID: BNA_N Calibration Date/Time: 9/10/2024 12 21:18

Lab File ID: BN033851.D Init. Calib. Date(s):

EPA Sample No.: SICV223 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.159	0.167	0.050	4.66	20.0
2-Nitrophenol-d4	0.164	0.174	0.050	6.244	30.0
2,4-Dichlorophenol-d3	0.309	0.324	0.060	5.0199	20.0
4-Chloroaniline-d4	0.467	0.489	0.010	4.6446	40.0
Dimethylphthalate-d6	1.495	1.559	0.300	4.283	20.0
Acenaphthylene-d8	1.681	1.774	0.400	5.5086	20.0
4-Nitrophenol-d4	0.307	0.319	0.010	3.9467	40.0
Fluorene-d10	1.267	1.289	0.100	1.7584	20.0
4,6-Dinitro-2-methylphenol-d2	0.119	0.120	0.010	0.2869	40.0
Anthracene-d10	0.940	0.970	0.300	3.178	20.0
Pyrene-d10	1.114	1.149	0.300	3.1451	25.0
Benzo(a)pyrene-d12	1.027	1.099	0.010	6.9991	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.: BN091124

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.: BN091124 SAS No.: BN091124 SDG No.: BN091124

Instrument ID: Calibration Date(s): 9/10/2024

Calibration Time(s): 17:22

LAB FILE ID: RRFAL1 = BN033845.D RRFAL2 = BN033846.D RRFAL3 = BN033847.D
RRFAL4 = BN033848.D RRFAL5 = BN033849.D RRFAL6 = BN033850.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.488	0.571	0.495	0.523	0.508		0.517	6.4
Benzaldehyde		1.124	1.111	1.040	0.761	0.650	0.937	23.2
Pyridine		1.580	1.401	1.504	1.496	1.473	1.491	4.3
Hexachloroethane	0.577	0.639	0.567	0.621	0.615		0.604	5.1
Nitrobenzene	0.369	0.439	0.382	0.405	0.400		0.399	6.7
Isophorone	0.675	0.802	0.701	0.753	0.748		0.736	6.7
2-Nitrophenol	0.154	0.193	0.179	0.195	0.197		0.183	9.7
2,4-Dimethylphenol	0.346	0.414	0.364	0.377	0.386		0.377	6.7
Bis(2-Chloroethoxy)methane	0.430	0.495	0.429	0.459	0.451		0.453	5.9
2,4-Dichlorophenol	0.283	0.338	0.297	0.322	0.323		0.313	7.1
Naphthalene	1.080	1.203	1.022	1.093	1.072		1.094	6.1
4-Chloroaniline		0.505	0.429	0.456	0.467	0.445	0.461	6.2
Hexachlorobutadiene	0.195	0.221	0.189	0.203	0.195		0.201	6.2
Phenol		1.928	1.725	1.842	1.874	1.871	1.848	4.1
Caprolactam		0.115	0.152	0.115	0.121	0.119	0.124	12.4
4-Chloro-3-methylphenol	0.332	0.395	0.354	0.378	0.382		0.368	6.9
1-Methylnaphthalene	0.733	0.841	0.723	0.763	0.755		0.763	6.1
2-Methylnaphthalene	0.734	0.830	0.712	0.743	0.750		0.754	6.0
Hexachlorocyclopentadiene		0.330	0.415	0.354	0.341	0.336	0.355	9.8
2,4,6-Trichlorophenol	0.333	0.402	0.370	0.404	0.404		0.383	8.2
2,4,5-Trichlorophenol	0.371	0.447	0.399	0.447	0.439		0.420	8.2
1,1-Biphenyl	1.462	1.671	1.418	1.520	1.468		1.508	6.5
2-Chloronaphthalene	1.119	1.294	1.111	1.192	1.157		1.175	6.3
2-Nitroaniline	0.319	0.404	0.366	0.407	0.401		0.380	9.9
Bis(2-Chloroethyl)ether		1.537	1.365	1.468	1.423	1.388	1.436	4.8
Dimethylphthalate	1.456	1.675	1.456	1.527	1.504		1.523	5.9
2,6-Dinitrotoluene	0.244	0.311	0.289	0.324	0.332		0.300	11.8
Acenaphthylene	1.716	2.005	1.755	1.893	1.830		1.840	6.2
3-Nitroaniline		0.341	0.330	0.352	0.326	0.308	0.331	5.0
Acenaphthene	1.249	1.439	1.255	1.327	1.298		1.314	5.9
2,4-Dinitrophenol		0.136	0.141	0.183	0.199	0.223	0.176	21.4
4-Nitrophenol		0.279	0.247	0.265	0.266	0.246	0.261	5.4
Dibenzofuran	1.741	1.970	1.728	1.811	1.731		1.796	5.7
2,4-Dinitrotoluene	0.369	0.474	0.444	0.488	0.485		0.452	10.9
Diethylphthalate	1.492	1.736	1.525	1.622	1.584		1.592	6.0
2-Chlorophenol	1.347	1.522	1.369	1.455	1.466		1.432	5.0

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.: BN091124 SAS No.: BN091124 SDG No.: BN091124

Instrument ID: Calibration Date(s): 9/10/2024

Calibration Time(s): 17:22

LAB FILE ID: RRFAL1 = BN033845.D RRFAL2 = BN033846.D RRFAL3 = BN033847.D
RRFAL4 = BN033848.D RRFAL5 = BN033849.D RRFAL6 = BN033850.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.428	1.618	1.395	1.483	1.423		1.469	6.0
4-Chlorophenyl-phenylether	0.694	0.779	0.679	0.723	0.686		0.712	5.7
4-Nitroaniline		0.363	0.348	0.367	0.328	0.299	0.341	8.2
4,6-Dinitro-2-methylphenol		0.120	0.115	0.134	0.146	0.147	0.132	10.9
N-Nitrosodiphenylamine	0.576	0.660	0.566	0.596	0.598		0.599	6.1
1,2,4,5-Tetrachlorobenzene	0.542	0.632	0.554	0.586	0.572		0.577	6.1
4-Bromophenyl-phenylether	0.189	0.220	0.191	0.209	0.208		0.203	6.5
Hexachlorobenzene	0.225	0.258	0.226	0.231	0.239		0.236	5.9
Atrazine		0.240	0.211	0.219	0.223	0.193	0.217	7.9
Pentachlorophenol		0.152	0.140	0.159	0.166	0.168	0.157	7.2
2-Methylphenol		1.424	1.289	1.388	1.409	1.396	1.381	3.9
Phenanthrene	1.066	1.207	1.055	1.108	1.079		1.103	5.6
Pentachlorobenzene	0.278	0.313	0.266	0.280	0.280		0.283	6.2
Anthracene	1.089	1.240	1.072	1.117	1.114		1.126	5.9
1,2,3,4-Tetrachlorobenzene	0.264	0.308	0.264	0.277	0.278		0.278	6.5
Carbazole		1.164	0.991	1.049	1.022	0.957	1.036	7.6
Di-n-butylphthalate	1.231	1.430	1.284	1.341	1.302		1.318	5.6
Fluoranthene	1.231	1.427	1.254	1.329	1.272		1.303	6.0
Pyrene	1.357	1.544	1.334	1.414	1.354		1.400	6.1
Butylbenzylphthalate	0.564	0.664	0.602	0.658	0.653		0.628	7.0
3,3-Dichlorobenzidine		0.478	0.436	0.479	0.451	0.402	0.449	7.1
2,2-oxybis(1-Chloropropane)		2.341	2.076	2.165	2.051	1.958	2.118	6.8
Benzo(a)anthracene	1.369	1.566	1.358	1.452	1.384		1.426	6.1
Chrysene	1.336	1.479	1.287	1.369	1.331		1.361	5.3
Bis(2-ethylhexyl)phthalate	0.803	1.003	0.894	0.971	0.926		0.919	8.4
Di-n-octyl phthalate		1.386	1.272	1.424	1.362	1.210	1.331	6.6
Benzo(b)fluoranthene	1.155	1.340	1.152	1.242	1.209		1.219	6.3
Benzo(k)fluoranthene	1.129	1.333	1.138	1.210	1.205		1.203	6.8
Benzo(a)pyrene	1.054	1.256	1.096	1.180	1.174		1.152	6.9
Indeno(1,2,3-cd)pyrene	1.313	1.519	1.345	1.438	1.520		1.427	6.7
Dibenzo(a,h)anthracene	1.065	1.248	1.074	1.156	1.225		1.154	7.3
Benzo(g,h,i)perylene	1.004	1.180	1.044	1.124	1.188		1.108	7.4
Acetophenone		2.495	2.196	2.342	2.294	2.241	2.314	5.0
2,3,4,6-Tetrachlorophenol	0.304	0.364	0.343	0.372	0.362		0.349	7.8
1,4-Dioxane-d8	0.468	0.540	0.471	0.493	0.479		0.490	6.0
Pyridine-d5		1.532	1.375	1.462	1.463	1.453	1.457	3.8

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.: BN091124 SAS No.: BN091124 SDG No.: BN091124

Instrument ID: Calibration Date(s): 9/10/2024

Calibration Time(s): 17:22

LAB FILE ID: RRFAL1 = BN033845.D RRFAL2 = BN033846.D RRFAL3 = BN033847.D
RRFAL4 = BN033848.D RRFAL5 = BN033849.D RRFAL6 = BN033850.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.825	1.663	1.765	1.810	1.812	1.775	3.8
Bis-(2-Chloroethyl)ether-d8		1.205	1.052	1.119	1.069	1.062	1.101	5.8
2-Chlorophenol-d4	1.269	1.476	1.336	1.443	1.462		1.397	6.5
4-Methylphenol-d8		1.485	1.362	1.474	1.485	1.496	1.461	3.8
Nitrobenzene-d5	0.143	0.167	0.154	0.167	0.168		0.159	6.9
2-Nitrophenol-d4	0.136	0.168	0.155	0.179	0.183		0.164	11.8
2,4-Dichlorophenol-d3	0.275	0.331	0.292	0.322	0.323		0.309	7.7
4-Chloroaniline-d4		0.500	0.438	0.470	0.476	0.453	0.467	5.0
4-Methylphenol		1.600	1.445	1.553	1.545	1.543	1.537	3.7
Dimethylphthalate-d6	1.431	1.619	1.426	1.511	1.486		1.495	5.2
Acenaphthylene-d8	1.516	1.827	1.603	1.743	1.718		1.681	7.3
4-Nitrophenol-d4		0.308	0.283	0.317	0.321	0.304	0.307	4.8
Fluorene-d10	1.221	1.390	1.198	1.282	1.241		1.267	6.0
4,6-Dinitro-2-methylphenol-		0.101	0.103	0.121	0.133	0.137	0.119	13.9
Anthracene-d10	0.886	1.030	0.902	0.943	0.940		0.940	5.9
Pyrene-d10	1.059	1.201	1.080	1.127	1.104		1.114	4.9
Benzo(a)pyrene-d12	0.933	1.121	0.973	1.054	1.056		1.027	7.3
N-Nitroso-di-n-propylamine	1.051	1.256	1.103	1.168	1.149		1.146	6.7

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.: BN091124 SAS No.: BN091124 SDG NO.: BN091124

EPA Sample No.: SSTD020219 Date Analyzed: Sep 10 2024 12:00AM

Lab File ID: BN033847.D Time Analyzed: 21:18

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	200340	7.499	881178	10.26	573184	14.14
	UPPER LIMIT	400680	7.999	1762356	10.757	1146368	14.639
	LOWER LIMIT	100170	6.999	440589	9.757	286592	13.639
	EPA SAMPLE NO.						
01	SICV223	160478	7.50	727519	10.26	480194	14.14

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.: BN091124 SAS No.: BN091124 SDG NO.: BN091124

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.: BN091124 SAS No.: BN091124 SDG NO.: BN091124

EPA Sample No.: SSTD020219 Date Analyzed: Sep 10 2024 12:00AM

Lab File ID: BN033847.D Time Analyzed: 21:18

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1.22678e+0(	16.898	1.2023e+0	21.127	1.43568e+0(	23.91
	UPPER LIMIT	2453560	17.398	2404600	21.627	2871360	24.41
	LOWER LIMIT	613390	16.398	601150	20.627	717840	23.41
	EPA SAMPLE NO.						
01	SICV223	1.01138	16.89	996554	21.13	1.17494e+	23.91

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.: BN091124 SAS No.: BN091124 SDG NO.: BN091124

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.: BN091124

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.: BN091124

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.: BN091124 SAS No.: BN091124 SDG NO.: BN091124

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: BN091124

Lab Code: CHEM SAS No.: BN091124 SDG NO.: BN091124

Lab File ID: BN033844.D DFTPP Injection Date: 09/10/2024

Instrument ID: BNA_N DFTPP Injection Time: 16:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.3
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38.6
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	49.1
197	Less than 2.0% of mass 198	0.3
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	27.7
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	12.3
442	Greater than 50% of mass 198	82.8
443	15.0 - 24.0% of mass 442	16.4 (19.9) 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
SSTD005217	SSTD00580	BN033845.D	09/10/2024	17:22
SSTD010218	SSTD01081	BN033846.D	09/10/2024	18:01
SSTD020219	SSTD02082	BN033847.D	09/10/2024	18:41
SSTD040220	SSTD04083	BN033848.D	09/10/2024	19:20
SSTD080221	SSTD08084	BN033849.D	09/10/2024	19:59
SSTD160222	SSTD16085	BN033850.D	09/10/2024	20:39
SICV223	SSTDICV020	BN033851.D	09/10/2024	21:18