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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM102624 SAS No.: BM102624 SDG No.: BM102624

Instrument ID: BNA_M Calibration Date/Time: 10/26/2024 1 14:31

Lab File ID: BM048247.D Init. Calib. Date(s):

EPA Sample No.: SICV040 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.537	0.511	0.010	-4.8331	40.0
Benzaldehyde	0.850	0.749	0.010	-11.8982	40.0
Pyridine	1.509	1.271	0.010	-15.7557	40.0
Phenol	1.789	1.579	0.080	-11.7829	20.0
Bis(2-Chloroethyl)ether	1.430	1.283	0.100	-10.2599	20.0
2-Chlorophenol	1.435	1.332	0.200	-7.1489	20.0
2-Methylphenol	1.346	1.196	0.010	-11.1795	20.0
2,2-oxybis(1-Chloropropane)	2.185	1.929	0.010	-11.7154	40.0
Acetophenone	2.173	2.010	0.060	-7.5095	20.0
4-Methylphenol	1.486	1.332	0.010	-10.3329	20.0
N-Nitroso-di-n-propylamine	1.114	1.013	0.050	-9.1166	30.0
Hexachloroethane	0.605	0.545	0.100	-9.9367	20.0
Nitrobenzene	0.381	0.344	0.050	-9.6433	25.0
Isophorone	0.738	0.657	0.050	-11.0787	25.0
2-Nitrophenol	0.195	0.183	0.050	-5.8281	25.0
2,4-Dimethylphenol	0.357	0.291	0.050	-18.5333	25.0
Bis(2-Chloroethoxy)methane	0.458	0.421	0.050	-8.0628	20.0
2,4-Dichlorophenol	0.332	0.304	0.060	-8.199	20.0
Naphthalene	1.117	1.029	0.200	-7.9237	20.0
4-Chloroaniline	0.436	0.419	0.010	-4.026	40.0
Hexachlorobutadiene	0.221	0.205	0.040	-7.4504	30.0
Caprolactam	0.106	0.089	0.010	-16.146	40.0
4-Chloro-3-methylphenol	0.334	0.303	0.040	-9.1296	25.0
1-Methylnaphthalene	0.764	0.655	0.100	-14.1912	20.0
2-Methylnaphthalene	0.753	0.704	0.100	-6.4619	20.0
Hexachlorocyclopentadiene	0.379	0.331	0.010	-12.7488	40.0
2,4,6-Trichlorophenol	0.409	0.382	0.090	-6.4227	25.0
2,4,5-Trichlorophenol	0.432	0.400	0.100	-7.4517	25.0
1,1-Biphenyl	1.534	1.455	0.200	-5.1511	20.0
2-Chloronaphthalene	1.189	1.116	0.300	-6.0876	20.0
2-Nitroaniline	0.329	0.299	0.050	-9.0208	40.0
Dimethylphthalate	1.499	1.358	0.300	-9.4256	20.0
2,6-Dinitrotoluene	0.291	0.282	0.080	-3.1596	30.0
Acenaphthylene	1.841	1.760	0.400	-4.3777	20.0
3-Nitroaniline	0.307	0.298	0.010	-2.965	40.0
Acenaphthene	1.306	1.196	0.200	-8.4701	20.0
2,4-Dinitrophenol	0.198	0.156	0.010	-21.1853	40.0
4-Nitrophenol	0.200	0.166	0.010	-16.9541	40.0
Dibenzofuran	1.797	1.684	0.300	-6.3136	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM102624 SAS No.: BM102624 SDG No.: BM102624

Instrument ID: BNA_M Calibration Date/Time: 10/26/2024 1 14:31

Lab File ID: BM048247.D Init. Calib. Date(s):

EPA Sample No.: SICV040 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.426	0.380	0.070	-10.7501	30.0
Diethylphthalate	1.508	1.342	0.300	-11.0372	20.0
Fluorene	1.431	1.321	0.200	-7.7151	20.0
4-Chlorophenyl-phenylether	0.718	0.662	0.100	-7.7867	20.0
4-Nitroaniline	0.278	0.294	0.010	5.6749	40.0
4,6-Dinitro-2-methylphenol	0.142	0.125	0.010	-11.46	40.0
N-Nitrosodiphenylamine	0.597	0.587	0.050	-1.6691	20.0
1,2,4,5-Tetrachlorobenzene	0.633	0.590	0.100	-6.8914	20.0
4-Bromophenyl-phenylether	0.218	0.208	0.070	-4.5325	20.0
Hexachlorobenzene	0.261	0.245	0.050	-6.2844	25.0
Atrazine	0.204	0.202	0.010	-1.3482	25.0
Pentachlorophenol	0.165	0.148	0.010	-10.6795	40.0
Phenanthrene	1.107	1.025	0.200	-7.4376	20.0
Pentachlorobenzene	0.322	0.302	0.050	-6.2168	20.0
Anthracene	1.108	1.050	0.200	-5.2944	20.0
1,2,3,4-Tetrachlorobenzene	0.317	0.292	0.050	-7.8966	20.0
Carbazole	0.973	0.937	0.050	-3.7685	40.0
Di-n-butylphthalate	1.279	1.165	0.500	-8.9218	25.0
Fluoranthene	1.412	1.307	0.400	-7.414	25.0
Pyrene	1.514	1.390	0.400	-8.1772	25.0
Butylbenzylphthalate	0.626	0.565	0.100	-9.6484	40.0
3,3-Dichlorobenzidine	0.436	0.453	0.010	3.7964	40.0
Benzo(a)anthracene	1.442	1.312	0.300	-9.0496	30.0
Chrysene	1.356	1.246	0.200	-8.1496	30.0
Bis(2-ethylhexyl)phthalate	0.902	0.834	0.200	-7.5405	40.0
Di-n-octyl phthalate	1.496	1.262	0.010	-15.6829	40.0
Benzo(b)fluoranthene	1.276	1.164	0.200	-8.805	25.0
Benzo(k)fluoranthene	1.278	1.141	0.200	-10.7319	25.0
Benzo(a)pyrene	1.161	1.099	0.200	-5.3879	20.0
Indeno(1,2,3-cd)pyrene	1.398	1.346	0.200	-3.7687	25.0
Dibenzo(a,h)anthracene	1.144	1.113	0.200	-2.6852	30.0
Benzo(g,h,i)perylene	1.073	1.022	0.200	-4.7544	30.0
2,3,4,6-Tetrachlorophenol	0.370	0.359	0.040	-2.9094	20.0
1,4-Dioxane-d8	0.508	0.455	0.010	-10.511	25.0
Pyridine-d5	1.472	1.388	0.010	-5.7372	40.0
Phenol-d5	1.718	1.523	0.010	-11.3865	25.0
Bis-(2-Chloroethyl)ether-d8	1.064	1.035	0.050	-2.7265	25.0
2-Chlorophenol-d4	1.397	1.327	0.200	-5.0198	20.0
4-Methylphenol-d8	1.380	1.242	0.010	-9.978	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM102624 SAS No.: BM102624 SDG No.: BM102624

Instrument ID: BNA_M Calibration Date/Time: 10/26/2024 1 14:31

Lab File ID: BM048247.D Init. Calib. Date(s):

EPA Sample No.: SICV040 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.164	0.156	0.050	-5.0643	20.0
2-Nitrophenol-d4	0.178	0.171	0.050	-3.8345	30.0
2,4-Dichlorophenol-d3	0.324	0.308	0.060	-4.8416	20.0
4-Chloroaniline-d4	0.450	0.428	0.010	-4.9444	40.0
Dimethylphthalate-d6	1.495	1.383	0.300	-7.4387	20.0
Acenaphthylene-d8	1.685	1.620	0.400	-3.8615	20.0
4-Nitrophenol-d4	0.273	0.234	0.010	-14.561	40.0
Fluorene-d10	1.263	1.175	0.100	-6.9951	20.0
4,6-Dinitro-2-methylphenol-d2	0.132	0.116	0.010	-12.1792	40.0
Anthracene-d10	0.946	0.904	0.300	-4.4083	20.0
Pyrene-d10	1.214	1.125	0.300	-7.275	25.0
Benzo(a)pyrene-d12	1.055	0.988	0.010	-6.3243	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.: BM102624

Client:

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

Total Concentration:

CHEMTECH

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM102624 SAS No.: BM102624 SDG No.: BM102624

Instrument ID: Calibration Date(s): 10/26/2024

Calibration Time(s): 10:35

LAB FILE ID: RRFAL1 = BM048241.D RRFAL2 = BM048242.D RRFAL3 = BM048243.D
RRFAL4 = BM048244.D RRFAL5 = BM048245.D RRFAL6 = BM048246.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.520	0.597	0.545	0.513	0.510		0.537	6.8
Benzaldehyde		1.008	0.951	0.977	0.769	0.546	0.850	22.8
Pyridine		1.595	1.540	1.493	1.483	1.435	1.509	4.0
Hexachloroethane	0.551	0.644	0.625	0.609	0.594		0.605	5.8
Nitrobenzene	0.331	0.405	0.393	0.388	0.388		0.381	7.5
Isophorone	0.653	0.775	0.770	0.765	0.729		0.738	6.9
2-Nitrophenol	0.158	0.197	0.203	0.206	0.209		0.195	10.9
2,4-Dimethylphenol	0.312	0.379	0.374	0.355	0.367		0.357	7.6
Bis(2-Chloroethoxy)methane	0.409	0.490	0.471	0.466	0.455		0.458	6.7
2,4-Dichlorophenol	0.290	0.352	0.343	0.342	0.332		0.332	7.4
Naphthalene	1.054	1.196	1.143	1.105	1.088		1.117	4.9
4-Chloroaniline		0.466	0.452	0.456	0.428	0.378	0.436	8.1
Hexachlorobutadiene	0.212	0.237	0.224	0.217	0.215		0.221	4.6
Phenol		1.787	1.804	1.806	1.783	1.767	1.789	0.9
Caprolactam		0.101	0.107	0.113	0.102	0.107	0.106	4.6
4-Chloro-3-methylphenol	0.283	0.350	0.351	0.354	0.330		0.334	8.9
1-Methylnaphthalene	0.715	0.826	0.789	0.769	0.719		0.764	6.2
2-Methylnaphthalene	0.692	0.815	0.778	0.759	0.720		0.753	6.4
Hexachlorocyclopentadiene		0.382	0.375	0.386	0.396	0.357	0.379	3.8
2,4,6-Trichlorophenol	0.339	0.420	0.418	0.430	0.437		0.409	9.8
2,4,5-Trichlorophenol	0.341	0.441	0.452	0.463	0.462		0.432	12.0
1,1-Biphenyl	1.425	1.650	1.563	1.518	1.513		1.534	5.3
2-Chloronaphthalene	1.086	1.267	1.206	1.194	1.189		1.189	5.5
2-Nitroaniline	0.258	0.333	0.338	0.362	0.354		0.329	12.6
Bis(2-Chloroethyl)ether		1.479	1.452	1.434	1.409	1.375	1.430	2.8
Dimethylphthalate	1.392	1.610	1.538	1.518	1.438		1.499	5.7
2,6-Dinitrotoluene	0.231	0.290	0.300	0.321	0.315		0.291	12.3
Acenaphthylene	1.665	1.978	1.909	1.861	1.791		1.841	6.5
3-Nitroaniline		0.280	0.304	0.339	0.312	0.298	0.307	7.0
Acenaphthene	1.250	1.416	1.333	1.297	1.235		1.306	5.6
2,4-Dinitrophenol		0.158	0.186	0.215	0.210	0.222	0.198	13.2
4-Nitrophenol		0.183	0.204	0.218	0.203	0.190	0.200	6.8
Dibenzofuran	1.717	1.960	1.860	1.782	1.666		1.797	6.5
2,4-Dinitrotoluene	0.343	0.441	0.449	0.463	0.435		0.426	11.2
Diethylphthalate	1.397	1.610	1.559	1.544	1.431		1.508	6.0
2-Chlorophenol	1.284	1.499	1.483	1.457	1.451		1.435	6.0

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.: BM102624 SAS No.: BM102624 SDG No.: BM102624

Instrument ID: Calibration Date(s): 10/26/2024

Calibration Time(s): 10:35

LAB FILE ID: RRFAL1 = BM048241.D RRFAL2 = BM048242.D RRFAL3 = BM048243.D
RRFAL4 = BM048244.D RRFAL5 = BM048245.D RRFAL6 = BM048246.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.401	1.591	1.496	1.411	1.255		1.431	8.7
4-Chlorophenyl-phenylether	0.687	0.799	0.754	0.710	0.641		0.718	8.5
4-Nitroaniline		0.273	0.295	0.324	0.262	0.235	0.278	12.1
4,6-Dinitro-2-methylphenol		0.138	0.144	0.148	0.145	0.133	0.142	4.3
N-Nitrosodiphenylamine	0.546	0.655	0.623	0.587	0.574		0.597	7.1
1,2,4,5-Tetrachlorobenzene	0.567	0.672	0.641	0.633	0.654		0.633	6.3
4-Bromophenyl-phenylether	0.199	0.234	0.224	0.218	0.216		0.218	5.9
Hexachlorobenzene	0.246	0.285	0.267	0.254	0.253		0.261	5.9
Atrazine		0.234	0.215	0.215	0.214	0.144	0.204	17.0
Pentachlorophenol		0.162	0.167	0.171	0.171	0.155	0.165	4.2
2-Methylphenol		1.348	1.368	1.376	1.330	1.309	1.346	2.0
Phenanthrene	1.058	1.211	1.142	1.085	1.042		1.107	6.2
Pentachlorobenzene	0.308	0.351	0.328	0.310	0.314		0.322	5.6
Anthracene	1.027	1.225	1.159	1.096	1.035		1.108	7.6
1,2,3,4-Tetrachlorobenzene	0.284	0.337	0.317	0.308	0.336		0.317	7.0
Carbazole		1.070	1.039	1.016	0.942	0.801	0.973	11.0
Di-n-butylphthalate	1.126	1.341	1.328	1.345	1.255		1.279	7.3
Fluoranthene	1.188	1.518	1.500	1.438	1.418		1.412	9.4
Pyrene	1.335	1.640	1.615	1.522	1.459		1.514	8.2
Butylbenzylphthalate	0.481	0.621	0.653	0.685	0.688		0.626	13.6
3,3-Dichlorobenzidine		0.459	0.452	0.480	0.435	0.356	0.436	11.0
2,2-oxybis(1-Chloropropane)		2.370	2.294	2.238	2.084	1.939	2.185	7.9
Benzo(a)anthracene	1.325	1.543	1.462	1.454	1.428		1.442	5.5
Chrysene	1.275	1.444	1.384	1.357	1.322		1.356	4.7
Bis(2-ethylhexyl)phthalate	0.723	0.906	0.938	0.994	0.948		0.902	11.6
Di-n-octyl phthalate		1.362	1.462	1.665	1.520	1.472	1.496	7.4
Benzo(b)fluoranthene	1.117	1.379	1.290	1.330	1.265		1.276	7.8
Benzo(k)fluoranthene	1.157	1.371	1.337	1.309	1.215		1.278	7.0
Benzo(a)pyrene	1.033	1.229	1.194	1.193	1.157		1.161	6.6
Indeno(1,2,3-cd)pyrene	1.280	1.393	1.420	1.361	1.538		1.398	6.7
Dibenzo(a,h)anthracene	1.054	1.144	1.168	1.119	1.232		1.144	5.7
Benzo(g,h,i)perylene	0.990	1.068	1.081	1.027	1.198		1.073	7.3
Acetophenone		2.337	2.325	2.285	2.052	1.865	2.173	9.5
2,3,4,6-Tetrachlorophenol	0.333	0.386	0.386	0.382	0.363		0.370	6.1
1,4-Dioxane-d8	0.508	0.545	0.524	0.480	0.483		0.508	5.4
Pyridine-d5		1.547	1.494	1.453	1.455	1.414	1.472	3.4

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM102624 SAS No.: BM102624 SDG No.: BM102624

Instrument ID: Calibration Date(s): 10/26/2024

Calibration Time(s): 10:35

LAB FILE ID: RRFAL1 = BM048241.D RRFAL2 = BM048242.D RRFAL3 = BM048243.D
RRFAL4 = BM048244.D RRFAL5 = BM048245.D RRFAL6 = BM048246.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.714	1.706	1.722	1.706	1.743	1.718	0.9
Bis-(2-Chloroethyl)ether-d8		1.103	1.096	1.071	1.043	1.009	1.064	3.7
2-Chlorophenol-d4	1.187	1.455	1.449	1.442	1.453		1.397	8.4
4-Methylphenol-d8		1.396	1.388	1.416	1.343	1.355	1.380	2.2
Nitrobenzene-d5	0.139	0.168	0.169	0.169	0.176		0.164	8.8
2-Nitrophenol-d4	0.140	0.177	0.184	0.191	0.197		0.178	12.7
2,4-Dichlorophenol-d3	0.272	0.337	0.336	0.340	0.335		0.324	9.0
4-Chloroaniline-d4		0.475	0.462	0.470	0.444	0.400	0.450	6.8
4-Methylphenol		1.523	1.523	1.543	1.448	1.392	1.486	4.3
Dimethylphthalate-d6	1.396	1.596	1.527	1.516	1.437		1.495	5.3
Acenaphthylene-d8	1.494	1.772	1.733	1.731	1.697		1.685	6.6
4-Nitrophenol-d4		0.239	0.278	0.300	0.284	0.266	0.273	8.4
Fluorene-d10	1.188	1.363	1.301	1.269	1.193		1.263	5.9
4,6-Dinitro-2-methylphenol-		0.126	0.131	0.137	0.137	0.129	0.132	3.7
Anthracene-d10	0.881	1.019	0.981	0.941	0.907		0.946	5.8
Pyrene-d10	1.028	1.290	1.288	1.237	1.225		1.214	8.9
Benzo(a)pyrene-d12	0.938	1.118	1.078	1.083	1.057		1.055	6.5
N-Nitroso-di-n-propylamine	0.993	1.210	1.186	1.166	1.016		1.114	9.1

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.: BM102624 SAS No.: BM102624 SDG NO.: BM102624

EPA Sample No.: SSTD020036 Date Analyzed: Oct 26 2024 12:00AM

Lab File ID: BM048243.D Time Analyzed: 14:31

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	227528	7.722	968895	10.51	640093	14.36
	UPPER LIMIT	455056	8.222	1937790	11.01	1280186	14.863
	LOWER LIMIT	113764	7.222	484447.5	10.01	320046.5	13.863
	EPA SAMPLE NO.						
01	SICV040	219695	7.72	907187	10.51	563220	14.36

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.: BM102624 SAS No.: BM102624 SDG NO.: BM102624

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.: BM102624 SAS No.: BM102624 SDG NO.: BM102624

EPA Sample No.: SSTD020036 Date Analyzed: Oct 26 2024 12:00AM

Lab File ID: BM048243.D Time Analyzed: 14:31

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	1.29764e+0(	17.109	1.10326e+	21.333	1.10674e+0(	24.285
	UPPER LIMIT	2595280	17.609	2206520	21.833	2213480	24.785
	LOWER LIMIT	648820	16.609	551630	20.833	553370	23.785
	EPA SAMPLE NO.						
01	SICV040	1.0801e	17.10	943732	21.33	1.0285e+0	24.28

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.: BM102624 SAS No.: BM102624 SDG NO.: BM102624

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.: BM102624

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.: BM102624

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.: BM102624 SAS No.: BM102624 SDG NO.: BM102624

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: BM102624

Lab Code: CHEM SAS No.: BM102624 SDG NO.: BM102624

Lab File ID: BM048240.D DFTPP Injection Date: 10/26/2024

Instrument ID: BNA_M DFTPP Injection Time: 09:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.1
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	32.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	43
197	Less than 2.0% of mass 198	0.5
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	26.1
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	14.7
442	Greater than 50% of mass 198	93.6
443	15.0 - 24.0% of mass 442	17.8 (19) 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
SSTD005034	SSTD00548	BM048241.D	10/26/2024	10:35
SSTD010035	SSTD01049	BM048242.D	10/26/2024	11:14
SSTD020036	SSTD02050	BM048243.D	10/26/2024	11:53
SSTD040037	SSTD04051	BM048244.D	10/26/2024	12:33
SSTD080038	SSTD08052	BM048245.D	10/26/2024	13:12
SSTD160039	SSTD16053	BM048246.D	10/26/2024	13:52
SICV040	SSTDICV020	BM048247.D	10/26/2024	14:31