

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN051524 SAS No.: BN051524 SDG No.: BN051524

Instrument ID: BNA_N Calibration Date/Time: 5/14/2024 1:16:30

Lab File ID: BN031527.D Init. Calib. Date(s): _____

EPA Sample No.: SICV244 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.518	0.437	0.010	-15.7227	40.0
Benzaldehyde	0.868	0.982	0.010	13.0376	40.0
Pyridine	1.489	1.198	0.010	-19.5662	40.0
Phenol	1.793	1.679	0.080	-6.3278	20.0
Bis(2-Chloroethyl) ether	1.501	1.371	0.100	-8.6472	20.0
2-Chlorophenol	1.268	1.252	0.200	-1.2877	20.0
2-Methylphenol	1.311	1.217	0.010	-7.1159	20.0
2,2-oxybis(1-Chloropropane)	1.949	1.686	0.010	-13.5052	40.0
Acetophenone	2.215	2.152	0.060	-2.8276	20.0
4-Methylphenol	1.413	1.338	0.010	-5.3344	20.0
N-Nitroso-di-n-propylamine	1.098	1.065	0.050	-2.9611	30.0
Hexachloroethane	0.577	0.528	0.100	-8.5766	20.0
Nitrobenzene	0.368	0.345	0.050	-6.2092	25.0
Isophorone	0.698	0.668	0.050	-4.283	25.0
2-Nitrophenol	0.117	0.135	0.050	15.3612	25.0
2,4-Dimethylphenol	0.314	0.236	0.050	-24.6248	25.0
Bis(2-Chloroethoxy) methane	0.452	0.422	0.050	-6.6573	20.0
2,4-Dichlorophenol	0.251	0.264	0.060	5.2481	20.0
Naphthalene	1.043	0.973	0.200	-6.7603	20.0
4-Chloroaniline	0.433	0.413	0.010	-4.7144	40.0
Hexachlorobutadiene	0.168	0.162	0.040	-3.3035	30.0
Caprolactam	0.095	0.099	0.010	4.2671	40.0
4-Chloro-3-methylphenol	0.291	0.308	0.040	5.8315	25.0
1-Methylnaphthalene	0.687	0.629	0.100	-8.4424	20.0
2-Methylnaphthalene	0.678	0.671	0.100	-1.1178	20.0
Hexachlorocyclopentadiene	0.286	0.386	0.010	34.8107	40.0
2,4,6-Trichlorophenol	0.274	0.294	0.090	7.019	25.0
2,4,5-Trichlorophenol	0.321	0.337	0.100	5.115	25.0
1,1-Biphenyl	1.412	1.357	0.200	-3.8707	20.0
2-Chloronaphthalene	1.108	1.018	0.300	-8.1327	20.0
2-Nitroaniline	0.285	0.293	0.050	2.7672	40.0
Dimethylphthalate	1.327	1.276	0.300	-3.828	20.0
2,6-Dinitrotoluene	0.226	0.257	0.080	13.4827	30.0
Acenaphthylene	1.818	1.713	0.400	-5.7764	20.0
3-Nitroaniline	0.265	0.304	0.010	14.9639	40.0
Acenaphthene	1.219	1.098	0.200	-9.9581	20.0
2,4-Dinitrophenol	0.096	0.086	0.010	-10.2931	40.0
4-Nitrophenol	0.196	0.193	0.010	-1.7179	40.0
Dibenzofuran	1.652	1.586	0.300	-4.0264	20.0

7C

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Instrument ID: BNA_N Calibration Date/Time: 5/14/2024 1:16:30

Lab File ID: BN031527.D Init. Calib. Date(s): _____

EPA Sample No.: SICV244 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.327	0.349	0.070	6.5046	30.0
Diethylphthalate	1.330	1.279	0.300	-3.8359	20.0
Fluorene	1.356	1.289	0.200	-4.9345	20.0
4-Chlorophenyl-phenylether	0.647	0.609	0.100	-5.816	20.0
4-Nitroaniline	0.267	0.325	0.010	21.754	40.0
4,6-Dinitro-2-methylphenol	0.079	0.074	0.010	-6.7496	40.0
N-Nitrosodiphenylamine	0.542	0.539	0.050	-0.5859	20.0
1,2,4,5-Tetrachlorobenzene	0.526	0.519	0.100	-1.261	20.0
4-Bromophenyl-phenylether	0.182	0.180	0.070	-1.1599	20.0
Hexachlorobenzene	0.212	0.213	0.050	0.3221	25.0
Atrazine	0.160	0.162	0.010	1.25	25.0
Pentachlorophenol	0.107	0.107	0.010	-0.4027	40.0
Phenanthrene	1.048	0.984	0.200	-6.1268	20.0
Pentachlorobenzene	0.245	0.227	0.050	-7.1473	20.0
Anthracene	1.057	0.987	0.200	-6.5915	20.0
1,2,3,4-Tetrachlorobenzene	0.253	0.247	0.050	-2.259	20.0
Carbazole	0.951	0.961	0.050	1.0969	40.0
Di-n-butylphthalate	1.048	1.071	0.500	2.1509	25.0
Fluoranthene	1.171	1.122	0.400	-4.185	25.0
Pyrene	1.268	1.215	0.400	-4.1834	25.0
Butylbenzylphthalate	0.400	0.441	0.100	10.1704	40.0
3,3-Dichlorobenzidine	0.369	0.409	0.010	10.94	40.0
Benzo (a) anthracene	1.315	1.221	0.300	-7.1149	30.0
Chrysene	1.229	1.199	0.200	-2.4881	30.0
Bis(2-ethylhexyl)phthalate	0.657	0.717	0.200	9.1016	40.0
Di-n-octyl phthalate	0.997	0.951	0.010	-4.5406	40.0
Benzo (b) fluoranthene	1.133	1.089	0.200	-3.9151	25.0
Benzo (k) fluoranthene	1.158	1.089	0.200	-5.9778	25.0
Benzo (a) pyrene	1.099	1.037	0.200	-5.6948	20.0
Indeno (1,2,3-cd) pyrene	1.239	1.244	0.200	0.4102	25.0
Dibenzo (a,h) anthracene	1.055	1.006	0.200	-4.6165	30.0
Benzo (g,h,i) perylene	1.000	0.944	0.200	-5.5828	30.0
2,3,4,6-Tetrachlorophenol	0.232	0.281	0.040	21.094	20.0
1,4-Dioxane-d8	0.486	0.409	0.010	-15.8549	25.0
Pyridine-d5	1.485	1.391	0.010	-6.2916	40.0
Phenol-d5	1.697	1.641	0.010	-3.3408	25.0
Bis- (2-Chloroethyl) ether-d8	1.111	1.132	0.050	1.8263	25.0
2-Chlorophenol-d4	1.164	1.218	0.200	4.6701	20.0
4-Methylphenol-d8	1.303	1.283	0.010	-1.5947	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

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Lab Code: CHEM Case No.: BN051524 SAS No.: BN051524 SDG No.: BN051524

Instrument ID: BNA_N Calibration Date/Time: 5/14/2024 1:16:30

Lab File ID: BN031527.D Init. Calib. Date(s): _____

EPA Sample No.: SICV244 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.132	0.141	0.050	7.2013	20.0
2-Nitrophenol-d4	0.099	0.119	0.050	19.6183	30.0
2,4-Dichlorophenol-d3	0.247	0.274	0.060	10.7408	20.0
4-Chloroaniline-d4	0.440	0.440	0.010	0.1879	40.0
Dimethylphthalate-d6	1.265	1.318	0.300	4.1608	20.0
Acenaphthylene-d8	1.546	1.611	0.400	4.2583	20.0
4-Nitrophenol-d4	0.243	0.251	0.010	3.5092	40.0
Fluorene-d10	1.157	1.162	0.100	0.3986	20.0
4,6-Dinitro-2-methylphenol-d2	0.072	0.067	0.010	-6.8888	40.0
Anthracene-d10	0.855	0.869	0.300	1.6034	20.0
Pyrene-d10	0.993	1.011	0.300	1.7809	25.0
Benzo(a)pyrene-d12	0.888	0.933	0.010	5.089	20.0

All other compounds must meet a minimum RRF of 0.010.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

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
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CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: BN051524

Client:

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

Total Concentration:



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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BN051524 SAS No.: BN051524 SDG No.: BN051524
Instrument ID: _____ Calibration Date(s): 5/14/2024 : _____
Calibration Time(s): 12:33 _____

LAB FILE ID:		RRFAL1 = BN031521.D		RRFAL2 = BN031522.D		RRFAL3 = BN031523.D		
		RRFAL4 = BN031524.D		RRFAL5 = BN031525.D		RRFAL6 = BN031526.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.478	0.520	0.533	0.534	0.526		0.518	4.5
Benzaldehyde		1.017	1.007	0.973	0.781	0.564	0.868	22.5
Pyridine		1.447	1.515	1.520	1.535	1.431	1.489	3.2
Hexachloroethane	0.573	0.565	0.585	0.582	0.581		0.577	1.4
Nitrobenzene	0.331	0.356	0.379	0.389	0.384		0.368	6.5
Isophorone	0.589	0.675	0.724	0.756	0.747		0.698	9.8
2-Nitrophenol	0.084	0.098	0.114	0.138	0.150		0.117	23.5
2,4-Dimethylphenol	0.279	0.295	0.325	0.334	0.336		0.314	8.2
Bis(2-Chloroethoxy)methane	0.422	0.457	0.462	0.465	0.454		0.452	3.9
2,4-Dichlorophenol	0.213	0.235	0.258	0.272	0.278		0.251	10.6
Naphthalene	1.020	1.069	1.060	1.047	1.019		1.043	2.2
4-Chloroaniline		0.429	0.435	0.444	0.440	0.416	0.433	2.5
Hexachlorobutadiene	0.159	0.167	0.169	0.174	0.168		0.168	3.1
Phenol		1.664	1.807	1.813	1.874	1.806	1.793	4.3
Caprolactam		0.072	0.087	0.102	0.109	0.105	0.095	16.3
4-Chloro-3-methylphenol	0.232	0.272	0.299	0.322	0.331		0.291	13.8
1-Methylnaphthalene	0.642	0.694	0.698	0.712	0.690		0.687	3.9
2-Methylnaphthalene	0.612	0.685	0.702	0.709	0.684		0.678	5.7
Hexachlorocyclopentadiene		0.253	0.261	0.307	0.306	0.304	0.286	9.4
2,4,6-Trichlorophenol	0.202	0.235	0.277	0.323	0.335		0.274	20.8
2,4,5-Trichlorophenol	0.248	0.292	0.326	0.365	0.372		0.321	16.2
1,1-Biphenyl	1.361	1.440	1.432	1.456	1.372		1.412	3.0
2-Chloronaphthalene	1.045	1.126	1.151	1.136	1.085		1.108	3.9
2-Nitroaniline	0.215	0.242	0.288	0.339	0.343		0.285	20.0
Bis(2-Chloroethyl)ether		1.489	1.551	1.510	1.522	1.433	1.501	2.9
Dimethylphthalate	1.211	1.326	1.350	1.392	1.357		1.327	5.2
2,6-Dinitrotoluene	0.154	0.188	0.232	0.272	0.285		0.226	24.5
Acenaphthylene	1.688	1.862	1.868	1.880	1.793		1.818	4.4
3-Nitroaniline		0.215	0.259	0.294	0.283	0.273	0.265	11.6
Acenaphthene	1.191	1.229	1.251	1.241	1.185		1.219	2.5
2,4-Dinitrophenol		0.059	0.075	0.098	0.113	0.135	0.096	31.2
4-Nitrophenol		0.168	0.192	0.211	0.207	0.203	0.196	8.8
Dibenzofuran	1.610	1.672	1.680	1.694	1.603		1.652	2.5
2,4-Dinitrotoluene	0.222	0.267	0.335	0.398	0.414		0.327	25.2
Diethylphthalate	1.179	1.278	1.358	1.426	1.408		1.330	7.7
2-Chlorophenol	1.138	1.186	1.307	1.335	1.377		1.268	8.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN051524 SAS No.: BN051524 SDG No.: BN051524

Instrument ID: _____ Calibration Date(s): 5/14/2024 : _____

Calibration Time(s): 12:33 _____

LAB FILE ID:		RRFAL1 = BN031521.D		RRFAL2 = BN031522.D		RRFAL3 = BN031523.D		
		RRFAL4 = BN031524.D		RRFAL5 = BN031525.D		RRFAL6 = BN031526.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.347	1.392	1.392	1.365	1.284		1.356	3.3
4-Chlorophenyl-phenylether	0.636	0.665	0.654	0.662	0.618		0.647	3.1
4-Nitroaniline		0.231	0.276	0.296	0.278	0.253	0.267	9.4
4,6-Dinitro-2-methylphenol		0.056	0.065	0.081	0.092	0.101	0.079	23.6
N-Nitrosodiphenylamine	0.515	0.548	0.551	0.560	0.538		0.542	3.2
1,2,4,5-Tetrachlorobenzene	0.492	0.533	0.532	0.545	0.526		0.526	3.8
4-Bromophenyl-phenylether	0.160	0.179	0.187	0.190	0.192		0.182	7.2
Hexachlorobenzene	0.198	0.219	0.210	0.220	0.212		0.212	4.2
Atrazine		0.156	0.150	0.171	0.167	0.155	0.160	5.6
Pentachlorophenol		0.077	0.091	0.118	0.124	0.127	0.107	20.6
2-Methylphenol		1.158	1.307	1.340	1.397	1.351	1.311	7.0
Phenanthrene	1.038	1.075	1.064	1.051	1.011		1.048	2.4
Pentachlorobenzene	0.237	0.251	0.242	0.251	0.243		0.245	2.5
Anthracene	1.036	1.097	1.079	1.051	1.020		1.057	3.0
1,2,3,4-Tetrachlorobenzene	0.239	0.251	0.255	0.260	0.259		0.253	3.4
Carbazole		0.965	0.990	0.971	0.963	0.865	0.951	5.2
Di-n-butylphthalate	0.856	0.968	1.080	1.182	1.156		1.048	13.0
Fluoranthene	1.058	1.131	1.218	1.227	1.222		1.171	6.4
Pyrene	1.216	1.264	1.312	1.297	1.252		1.268	3.0
Butylbenzylphthalate	0.255	0.306	0.401	0.500	0.537		0.400	30.3
3,3-Dichlorobenzidine		0.292	0.364	0.420	0.414	0.354	0.369	14.1
2,2-oxybis (1-Chloropropane)		2.058	2.055	1.945	1.929	1.760	1.949	6.3
Benzo (a) anthracene	1.233	1.284	1.350	1.375	1.331		1.315	4.3
Chrysene	1.212	1.226	1.226	1.248	1.235		1.229	1.1
Bis (2-ethylhexyl) phthalate	0.448	0.533	0.685	0.802	0.817		0.657	24.8
Di-n-octyl phthalate		0.665	0.907	1.174	1.217	1.019	0.997	22.3
Benzo (b) fluoranthene	0.993	1.079	1.161	1.234	1.200		1.133	8.6
Benzo (k) fluoranthene	0.984	1.152	1.222	1.246	1.189		1.158	9.0
Benzo (a) pyrene	0.944	1.071	1.129	1.189	1.162		1.099	8.8
Indeno (1,2,3-cd) pyrene	0.979	1.164	1.272	1.390	1.389		1.239	14.0
Dibenzo (a,h) anthracene	0.874	1.012	1.100	1.144	1.146		1.055	10.9
Benzo (g,h,i) perylene	0.835	0.951	1.031	1.094	1.090		1.000	10.9
Acetophenone		2.186	2.314	2.261	2.235	2.079	2.215	4.0
2,3,4,6-Tetrachlorophenol	0.168	0.199	0.231	0.271	0.292		0.232	21.8
1,4-Dioxane-d8	0.470	0.491	0.493	0.486	0.489		0.486	1.9
Pyridine-d5		1.381	1.515	1.498	1.564	1.465	1.485	4.6

All other compounds must meet a minimum RRF of 0.010.



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BN051524 SAS No.: BN051524 SDG No.: BN051524
Instrument ID: _____ Calibration Date(s): 5/14/2024 : _____
Calibration Time(s): 12:33 _____

LAB FILE ID:		RRFAL1 = BN031521.D			RRFAL2 = BN031522.D		RRFAL3 = BN031523.D	
		RRFAL4 = BN031524.D			RRFAL5 = BN031525.D		RRFAL6 = BN031526.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.504	1.668	1.733	1.819	1.762	1.697	7.1
Bis-(2-Chloroethyl)ether-d8		1.139	1.154	1.119	1.111	1.034	1.111	4.2
2-Chlorophenol-d4	0.988	1.064	1.206	1.250	1.309		1.164	11.5
4-Methylphenol-d8		1.141	1.276	1.329	1.395	1.376	1.303	7.8
Nitrobenzene-d5	0.106	0.121	0.132	0.149	0.151		0.132	14.4
2-Nitrophenol-d4	0.072	0.079	0.094	0.119	0.133		0.099	26.2
2,4-Dichlorophenol-d3	0.191	0.227	0.253	0.279	0.285		0.247	15.7
4-Chloroaniline-d4		0.437	0.431	0.449	0.448	0.434	0.440	1.9
4-Methylphenol		1.278	1.402	1.457	1.484	1.445	1.413	5.7
Dimethylphthalate-d6	1.135	1.216	1.294	1.349	1.330		1.265	7.0
Acenaphthylene-d8	1.347	1.503	1.596	1.693	1.589		1.546	8.4
4-Nitrophenol-d4		0.182	0.224	0.265	0.273	0.269	0.243	16.1
Fluorene-d10	1.094	1.158	1.176	1.201	1.156		1.157	3.4
4,6-Dinitro-2-methylphenol		0.049	0.057	0.073	0.084	0.095	0.072	26.6
Anthracene-d10	0.797	0.862	0.867	0.882	0.868		0.855	3.9
Pyrene-d10	0.906	0.947	1.029	1.052	1.031		0.993	6.3
Benzo(a)pyrene-d12	0.725	0.818	0.908	0.988	1.000		0.888	13.1
N-Nitroso-di-n-propylamine	1.000	1.069	1.146	1.134	1.140		1.098	5.7

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH
Lab Code: CHEM Case No.: BN051524 SAS No.: BN051524 SDG NO.: BN051524
EPA Sample No.: SSTD020240 Date Analyzed: May 14 2024 12:00AM
Lab File ID: BN031523.D Time Analyzed: 16:30
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	308122	7.699	1.38066e+04	10.48	875214	14.33
UPPER LIMIT	616244	8.199	2761320	10.981	1750428	14.834
LOWER LIMIT	154061	7.199	690330	9.981	437607	13.834
EPA SAMPLE NO.						
01 SICV244	326824	7.70	1.43955e	10.48	940235	14.33

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.: BN051524 SAS No.: BN051524 SDG NO.: BN051524

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN051524 SAS No.: BN051524 SDG NO.: BN051524

EPA Sample No.: SSTD020240 Date Analyzed: May 14 2024 12:00AM

Lab File ID: BN031523.D Time Analyzed: 16:30

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	1.82365e+04	17.081	1.8272e+04	21.31	2.04303e+04	24.251
UPPER LIMIT	3647300	17.581	3654400	21.81	4086060	24.751
LOWER LIMIT	911825	16.581	913600	20.81	1021515	23.751
EPA SAMPLE NO.						
01 SICV244	1.9344e	17.08	1.96275e+	21.31	2.27803e+	24.25

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN051524 SAS No.: BN051524 SDG NO.: BN051524

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.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN051524

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
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		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN051524

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
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		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN051524

SAS No.: BN051524 SDG NO.: BN051524

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	Result	Recovery (%)	Qual	Limits (%)	
				(PPM)	(PPM)			Low	High

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN051524

Lab Code: CHEM

SAS No.: BN051524

SDG NO.: BN051524

Lab File ID: BN031520.D

DFTPP Injection Date: 05/14/2024

Instrument ID: BNA_N

DFTPP Injection Time: 11:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	44.5
68	Less than 2.0% of mass 69	0.8 (1.6) 1
69	Mass 69 relative abundance	48
70	Less than 2.0% of mass 69	0.2 (0.3) 1
127	10.0 - 80.0% of mass 198	54.9
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	6.7
275	10.0 - 60.0% of mass 198	25.2
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	9.1
442	Greater than 50% of mass 198	56.7
443	15.0 - 24.0% of mass 442	10.6 (18.7) 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
SSTD005238	SSTD00556	BN031521.D	05/14/2024	12:33
SSTD010239	SSTD01057	BN031522.D	05/14/2024	13:12
SSTD020240	SSTD02058	BN031523.D	05/14/2024	13:52
SSTD040241	SSTD04059	BN031524.D	05/14/2024	14:32
SSTD080242	SSTD08060	BN031525.D	05/14/2024	15:11
SSTD160243	SSTD16061	BN031526.D	05/14/2024	15:50
SICV244	SSTDICV020	BN031527.D	05/14/2024	16:30