

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013025\
 Data File : BM049525.D
 Acq On : 30 Jan 2025 13:44
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020085

Quant Time: Jan 30 14:46:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 28 14:45:18 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2025
 Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.510	152	238790	20.000	ng/u1	0.00
20) Naphthalene-d8	10.269	136	871631	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.145	164	543035	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.904	188	1043335	20.000	ng/u1	0.00
79) Chrysene-d12	21.133	240	985793	20.000	ng/u1	0.00
88) Perylene-d12	23.909	264	1005475	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	49980	7.755	ng/uL	0.00
4) Pyridine-d5	3.510	84	357545	18.882	ng/u1	0.00
7) Phenol-d5	6.728	99	386447	19.943	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	6.857	67	254811	19.231	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	307016	20.475	ng/u1	0.00
15) 4-Methylphenol-d8	8.240	113	283372	19.960	ng/u1	0.01
21) Nitrobenzene-d5	8.651	128	138209	20.726	ng/u1	0.00
24) 2-Nitrophenol-d4	9.363	143	155492	21.378	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.916	165	309546	20.855	ng/u1	0.01
31) 4-Chloroaniline-d4	10.416	131	368026	19.330	ng/u1	0.00
46) Dimethylphthalate-d6	13.569	166	785393	19.725	ng/u1	0.00
49) Acenaphthylene-d8	13.833	160	936019	20.008	ng/u1	0.00
54) 4-Nitrophenol-d4	14.421	143	112955	17.294	ng/u1	0.04
60) Fluorene-d10	15.151	176	694984	19.849	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.280	200	122493	18.631	ng/u1	0.00
73) Anthracene-d10	16.998	188	1048796	20.130	ng/u1	0.00
81) Pyrene-d10	19.309	212	1173180	20.358	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.721	264	1082607	20.188	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.152	88	54060	7.982	ng/uL	96
5) Pyridine	3.528	79	373878	19.253	ng/u1	99
6) Benzaldehyde	6.669	77	261587	24.580	ng/u1	99
8) Phenol	6.751	94	403312	19.830	ng/u1	98
10) Bis(2-Chloroethyl)ether	6.951	93	324978	19.594	ng/u1	98
12) 2-Chlorophenol	7.087	128	316064	20.411	ng/u1	99
13) 2-Methylphenol	7.975	108	284306	19.947	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.028	45	504012	19.728	ng/u1	100
16) Acetophenone	8.322	105	469747	19.897	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.310	70	242155	19.557	ng/u1	98
18) 4-Methylphenol	8.298	108	308117	20.030	ng/u1	98
19) Hexachloroethane	8.563	117	135859	19.969	ng/u1	99
22) Nitrobenzene	8.692	77	353733	19.861	ng/u1	98
23) Isophorone	9.216	82	642081	20.161	ng/u1	99
25) 2-Nitrophenol	9.398	139	169787	21.023	ng/u1	98
26) 2,4-Dimethylphenol	9.481	107	301200	20.266	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.704	93	398072	19.956	ng/u1	98
29) 2,4-Dichlorophenol	9.939	162	305343	20.464	ng/u1	98
30) Naphthalene	10.316	128	923251	19.895	ng/u1	99
32) 4-Chloroaniline	10.439	127	357874	19.645	ng/u1	99
33) Hexachlorobutadiene	10.604	225	223934	20.021	ng/u1	99
34) Caprolactam	11.216	113	79819m	19.393	ng/u1	
35) 4-Chloro-3-methylphenol	11.598	107	267707	20.767	ng/u1	100
36) 2-Methylnaphthalene	11.939	142	631234	19.944	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.163	142	623572	19.985	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.316	216	399020	19.934	ng/ul	99
40) Hexachlorocyclopentadiene	12.298	237	193988	16.520	ng/ul	100
41) 2,4,6-Trichlorophenol	12.575	196	245109	20.764	ng/ul	98
42) 2,4,5-Trichlorophenol	12.663	196	257176	20.729	ng/ul	98
43) 1,1'-Biphenyl	12.975	154	809958	19.659	ng/ul	100
44) 2-Chloronaphthalene	13.010	162	664047	19.879	ng/ul	100
45) 2-Nitroaniline	13.227	65	172131	20.513	ng/ul	100
47) Dimethylphthalate	13.622	163	771404	19.503	ng/ul	99
48) 2,6-Dinitrotoluene	13.733	165	149280	20.986	ng/ul	97
50) Acenaphthylene	13.863	152	955209	19.875	ng/ul	99
51) 3-Nitroaniline	14.069	138	145874	20.644	ng/ul	98
52) Acenaphthene	14.210	153	671278	19.563	ng/ul	98
53) 2,4-Dinitrophenol	14.280	184	75814	17.236	ng/ul	88
55) 4-Nitrophenol	14.433	109	86954	18.195	ng/ul	98
56) Dibenzofuran	14.551	168	972060	19.868	ng/ul	98
57) 2,4-Dinitrotoluene	14.527	165	216186	20.323	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	14.792	232	203747	20.165	ng/ul	95
59) Diethylphthalate	14.998	149	736199	19.607	ng/ul	99
61) Fluorene	15.204	166	782307	19.787	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.210	204	423510	19.749	ng/ul	96
63) 4-Nitroaniline	15.239	138	149193m	22.865	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.298	198	135733	18.836	ng/ul	96
67) N-Nitrosodiphenylamine	15.427	169	637201	20.488	ng/ul	98
68) 4-Bromophenyl-phenylether	16.104	248	244138	20.493	ng/ul	96
69) Hexachlorobenzene	16.210	284	280408	20.383	ng/ul	99
70) Atrazine	16.392	200	239589	19.571	ng/ul	97
71) Pentachlorophenol	16.563	266	156180	18.030	ng/ul	99
72) Phenanthrene	16.945	178	1170311	19.927	ng/ul	100
74) Anthracene	17.033	178	1183862	20.012	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.933	216	385196	20.427	ng/ul	99
76) Pentachlorobenzene	14.469	250	369696	20.503	ng/ul	99
77) Carbazole	17.315	167	1023537	19.359	ng/ul	100
78) Di-n-butylphthalate	17.892	149	1209379	20.026	ng/ul	99
80) Fluoranthene	18.974	202	1332500	20.244	ng/ul	99
82) Pyrene	19.339	202	1427518	20.157	ng/ul	98
83) Butylbenzylphthalate	20.262	149	501486	21.026	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.056	252	394028	21.051	ng/ul	99
85) Benzo(a)anthracene	21.115	228	1375929	19.870	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.068	149	745729	21.279	ng/ul	100
87) Chrysene	21.174	228	1279460	19.895	ng/ul	99
89) Di-n-octyl phthalate	22.127	149	1222179	19.871	ng/ul	100
90) Benzo(b)fluoranthene	23.039	252	1289694	19.789	ng/ul	100
91) Benzo(k)fluoranthene	23.097	252	1301993	19.770	ng/ul	99
93) Benzo(a)pyrene	23.780	252	1212621	19.834	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.991	276	1505679	19.869	ng/ul	99
95) Dibenzo(a,h)anthracene	27.038	278	1220933	19.883	ng/ul	100
96) Benzo(g,h,i)perylene	27.944	276	1161715	20.163	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

