

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070125\
 Data File : BM050324.D
 Acq On : 01 Jul 2025 11:04
 Operator : RC/JU
 Sample : SSTD02005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020001

Quant Time: Jul 01 15:08:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM070125.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 01 14:57:04 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/02/2025
 Supervised By :Jagrut Upadhyay 07/02/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	378295	20.000	ng/u1	0.00
20) Naphthalene-d8	10.669	136	1406185	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.492	164	882507	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.227	188	1724057	20.000	ng/u1	0.00
79) Chrysene-d12	21.450	240	1818166	20.000	ng/u1	0.00
88) Perylene-d12	24.486	264	1868645	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.305	96	77053	8.407	ng/uL	0.00
4) Pyridine-d5	3.716	84	517947	20.874	ng/u1	0.00
7) Phenol-d5	7.022	99	568743	20.738	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.198	67	367570	21.135	ng/u1	0.00
11) 2-Chlorophenol-d4	7.398	132	462550	20.708	ng/u1	0.00
15) 4-Methylphenol-d8	8.563	113	432596	20.705	ng/u1	0.00
21) Nitrobenzene-d5	9.022	128	198233	20.387	ng/u1	0.00
24) 2-Nitrophenol-d4	9.739	143	180550	19.921	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.281	165	445795	20.238	ng/u1	0.00
31) 4-Chloroaniline-d4	10.786	131	608574	20.795	ng/u1	0.00
46) Dimethylphthalate-d6	13.904	166	1206092	20.065	ng/u1	0.00
49) Acenaphthylene-d8	14.186	160	1484451	20.169	ng/u1	0.00
54) 4-Nitrophenol-d4	14.663	143	210496	19.485	ng/u1	0.00
60) Fluorene-d10	15.480	176	1096908	20.102	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.586	200	121201	16.276	ng/u1	0.00
73) Anthracene-d10	17.327	188	1726770	20.197	ng/u1	0.00
81) Pyrene-d10	19.603	212	1915225	19.719	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.280	264	1879932	19.844	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.340	88	77944	8.195	ng/uL	100
5) Pyridine	3.734	79	550870	21.281	ng/u1	100
6) Benzaldehyde	7.004	77	351564m	23.215	ng/u1	
8) Phenol	7.045	94	602006	20.948	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.287	93	475970	21.087	ng/u1	100
12) 2-Chlorophenol	7.434	128	482205	20.581	ng/u1	100
13) 2-Methylphenol	8.298	108	426461	20.569	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.398	45	749278	21.254	ng/u1	100
16) Acetophenone	8.687	105	705350	21.059	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.675	70	354964	20.426	ng/u1	100
18) 4-Methylphenol	8.628	108	469463	20.844	ng/u1	100
19) Hexachloroethane	8.957	117	197401	20.433	ng/u1	100
22) Nitrobenzene	9.063	77	514819	20.486	ng/u1	100
23) Isophorone	9.586	82	930153	20.268	ng/u1	100
25) 2-Nitrophenol	9.775	139	217498	20.257	ng/u1	100
26) 2,4-Dimethylphenol	9.834	107	488118	20.315	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.075	93	601987	20.337	ng/u1	100
29) 2,4-Dichlorophenol	10.304	162	447321	20.399	ng/u1	100
30) Naphthalene	10.716	128	1463795	20.240	ng/u1	100
32) 4-Chloroaniline	10.816	127	615768	20.796	ng/u1	100
33) Hexachlorobutadiene	11.010	225	307668	19.980	ng/u1	100
34) Caprolactam	11.557	113	124062	19.470	ng/u1	100
35) 4-Chloro-3-methylphenol	11.933	107	409828	20.436	ng/u1	100
36) 2-Methylnaphthalene	12.328	142	1014850	20.179	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.545	142	1003278	20.148	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.692	216	565854	19.711	ng/ul	100
40) Hexachlorocyclopentadiene	12.680	237	285876	19.097	ng/ul	100
41) 2,4,6-Trichlorophenol	12.927	196	331316	20.135	ng/ul	100
42) 2,4,5-Trichlorophenol	12.992	196	369433	20.197	ng/ul	100
43) 1,1'-Biphenyl	13.333	154	1312382	20.187	ng/ul	100
44) 2-Chloronaphthalene	13.374	162	1045366	20.078	ng/ul	100
45) 2-Nitroaniline	13.563	65	243655	20.268	ng/ul	100
47) Dimethylphthalate	13.951	163	1204953	20.148	ng/ul	100
48) 2,6-Dinitrotoluene	14.057	165	197252	20.193	ng/ul	100
50) Acenaphthylene	14.216	152	1660161	20.246	ng/ul	100
51) 3-Nitroaniline	14.380	138	217778	20.578	ng/ul	100
52) Acenaphthene	14.557	153	1059820	19.976	ng/ul	100
53) 2,4-Dinitrophenol	14.586	184	66323	15.143	ng/ul	100
55) 4-Nitrophenol	14.680	109	175711	20.782	ng/ul	100
56) Dibenzofuran	14.892	168	1533783	20.077	ng/ul	100
57) 2,4-Dinitrotoluene	14.839	165	298705	20.490	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.110	232	286076	20.245	ng/ul	100
59) Diethylphthalate	15.310	149	1142094	20.321	ng/ul	100
61) Fluorene	15.539	166	1275910	20.111	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.533	204	645701	19.911	ng/ul	100
63) 4-Nitroaniline	15.539	138	230271	22.012	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.598	198	143832	17.160	ng/ul	100
67) N-Nitrosodiphenylamine	15.745	169	1049651	19.810	ng/ul	100
68) 4-Bromophenyl-phenylether	16.421	248	368211	19.611	ng/ul	100
69) Hexachlorobenzene	16.539	284	445735	19.764	ng/ul	100
70) Atrazine	16.686	200	357973	19.755	ng/ul	100
71) Pentachlorophenol	16.874	266	240965	18.803	ng/ul	100
72) Phenanthrene	17.268	178	1974455	20.120	ng/ul	100
74) Anthracene	17.362	178	2007411	20.213	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.298	216	566043	19.394	ng/ul	100
76) Pentachlorobenzene	14.816	250	538575	19.598	ng/ul	100
77) Carbazole	17.621	167	1793129	20.635	ng/ul	100
78) Di-n-butylphthalate	18.198	149	1828555	20.839	ng/ul	100
80) Fluoranthene	19.274	202	2179811	19.507	ng/ul	100
82) Pyrene	19.633	202	2389624	19.714	ng/ul	100
83) Butylbenzylphthalate	20.533	149	701819	20.527	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.350	252	684555	20.762	ng/ul	100
85) Benzo(a)anthracene	21.433	228	2393726	20.178	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.374	149	1113518	20.817	ng/ul	100
87) Chrysene	21.492	228	2261433	20.166	ng/ul	100
89) Di-n-octyl phthalate	22.527	149	1684347	18.016	ng/ul	100
90) Benzo(b)fluoranthene	23.533	252	2236728	19.919	ng/ul	100
91) Benzo(k)fluoranthene	23.591	252	2280280	19.862	ng/ul	100
93) Benzo(a)pyrene	24.344	252	2165970	20.074	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.926	276	2623725	19.670	ng/ul	100
95) Dibenzo(a,h)anthracene	27.991	278	2182715	19.698	ng/ul	100
96) Benzo(g,h,i)perylene	28.997	276	2104926	19.620	ng/ul	100

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

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