

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070225\
 Data File : BM050344.D
 Acq On : 02 Jul 2025 15:14
 Operator : RC/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020096

Quant Time: Jul 02 15:50:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM070125.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 01 15:14:38 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	368336	20.000	ng/u1	0.00
20) Naphthalene-d8	10.663	136	1400220	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.492	164	855065	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.227	188	1622464	20.000	ng/u1	0.00
79) Chrysene-d12	21.451	240	1660178	20.000	ng/u1	0.00
88) Perylene-d12	24.491	264	1660394	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	76818	8.608	ng/uL	0.00
4) Pyridine-d5	3.710	84	528190	21.862	ng/u1	0.00
7) Phenol-d5	7.016	99	568679	21.296	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.193	67	381763	22.545	ng/u1	0.00
11) 2-Chlorophenol-d4	7.398	132	453075	20.832	ng/u1	0.00
15) 4-Methylphenol-d8	8.563	113	426675	20.973	ng/u1	0.00
21) Nitrobenzene-d5	9.016	128	192908	19.924	ng/u1	0.00
24) 2-Nitrophenol-d4	9.745	143	163673	18.136	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.275	165	423126	19.290	ng/u1	0.00
31) 4-Chloroaniline-d4	10.787	131	601260	20.633	ng/u1	0.00
46) Dimethylphthalate-d6	13.898	166	1142087	19.610	ng/u1	0.00
49) Acenaphthylene-d8	14.186	160	1434767	20.120	ng/u1	0.00
54) 4-Nitrophenol-d4	14.663	143	198715	18.985	ng/u1	0.00
60) Fluorene-d10	15.480	176	1054198	19.940	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.586	200	108784	15.523	ng/u1	0.00
73) Anthracene-d10	17.321	188	1607051	19.974	ng/u1	0.00
81) Pyrene-d10	19.604	212	1724981	19.450	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.280	264	1642190	19.508	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.334	88	80270	8.667	ng/uL	99
5) Pyridine	3.728	79	555193	22.028	ng/u1	96
6) Benzaldehyde	6.999	77	363087	24.645	ng/u1	94
8) Phenol	7.046	94	613899	21.939	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.287	93	488800	22.241	ng/u1	99
12) 2-Chlorophenol	7.428	128	476002	20.866	ng/u1	96
13) 2-Methylphenol	8.298	108	426341	21.119	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.393	45	782226	22.789	ng/u1	99
16) Acetophenone	8.681	105	724190	22.206	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.669	70	354500	20.951	ng/u1	97
18) 4-Methylphenol	8.622	108	463756	21.147	ng/u1	98
19) Hexachloroethane	8.957	117	199064	21.162	ng/u1	92
22) Nitrobenzene	9.057	77	525863	21.015	ng/u1	99
23) Isophorone	9.587	82	910383	19.922	ng/u1	99
25) 2-Nitrophenol	9.775	139	206968	19.358	ng/u1	97
26) 2,4-Dimethylphenol	9.834	107	488219	20.406	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.069	93	600238	20.364	ng/u1	100
29) 2,4-Dichlorophenol	10.304	162	423682	19.403	ng/u1	98
30) Naphthalene	10.716	128	1455926	20.217	ng/u1	99
32) 4-Chloroaniline	10.810	127	608060	20.623	ng/u1	100
33) Hexachlorobutadiene	11.010	225	287867	18.774	ng/u1	98
34) Caprolactam	11.563	113	115425m	18.172	ng/u1	
35) 4-Chloro-3-methylphenol	11.928	107	400657	20.064	ng/u1	99
36) 2-Methylnaphthalene	12.322	142	999783	19.964	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.539	142	982754	19.820	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.692	216	532208	19.134	ng/ul	99
40) Hexachlorocyclopentadiene	12.681	237	259139	17.867	ng/ul	99
41) 2,4,6-Trichlorophenol	12.922	196	307202	19.269	ng/ul	99
42) 2,4,5-Trichlorophenol	12.992	196	342610	19.332	ng/ul	97
43) 1,1'-Biphenyl	13.333	154	1274196	20.229	ng/ul	99
44) 2-Chloronaphthalene	13.369	162	1024850	20.316	ng/ul	98
45) 2-Nitroaniline	13.563	65	231514	19.876	ng/ul	98
47) Dimethylphthalate	13.945	163	1150895	19.862	ng/ul	99
48) 2,6-Dinitrotoluene	14.057	165	182302	19.261	ng/ul	98
50) Acenaphthylene	14.216	152	1617957	20.365	ng/ul	99
51) 3-Nitroaniline	14.380	138	209494	20.431	ng/ul	99
52) Acenaphthene	14.557	153	1049579	20.418	ng/ul	99
53) 2,4-Dinitrophenol	14.586	184	58878	13.875	ng/ul	97
55) 4-Nitrophenol	14.680	109	169677	20.712	ng/ul	99
56) Dibenzofuran	14.892	168	1490433	20.136	ng/ul	99
57) 2,4-Dinitrotoluene	14.839	165	281502	19.930	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.110	232	258370	18.871	ng/ul	97
59) Diethylphthalate	15.310	149	1098769	20.178	ng/ul	98
61) Fluorene	15.539	166	1248666	20.313	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.533	204	623713	19.850	ng/ul	99
63) 4-Nitroaniline	15.533	138	220782	21.782	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.598	198	124847	15.828	ng/ul	93
67) N-Nitrosodiphenylamine	15.739	169	998643	20.028	ng/ul	98
68) 4-Bromophenyl-phenylether	16.421	248	333013	18.847	ng/ul	99
69) Hexachlorobenzene	16.539	284	409102	19.276	ng/ul	97
70) Atrazine	16.686	200	315033	18.474	ng/ul	98
71) Pentachlorophenol	16.874	266	213287	17.686	ng/ul	98
72) Phenanthrene	17.268	178	1847937	20.009	ng/ul	99
74) Anthracene	17.357	178	1897391	20.302	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.298	216	531643	19.356	ng/ul	98
76) Pentachlorobenzene	14.810	250	509084	19.685	ng/ul	98
77) Carbazole	17.621	167	1661855	20.322	ng/ul	100
78) Di-n-butylphthalate	18.198	149	1636658	19.820	ng/ul	100
80) Fluoranthene	19.274	202	1965015	19.258	ng/ul	99
82) Pyrene	19.633	202	2191117	19.796	ng/ul	99
83) Butylbenzylphthalate	20.539	149	578107	18.518	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.356	252	539066	17.905	ng/ul	98
85) Benzo(a)anthracene	21.433	228	2158362	19.925	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.374	149	936319	19.170	ng/ul	98
87) Chrysene	21.498	228	2061077	20.129	ng/ul	99
89) Di-n-octyl phthalate	22.527	149	1357439	16.340	ng/ul	100
90) Benzo(b)fluoranthene	23.533	252	1954659	19.523	ng/ul	98
91) Benzo(k)fluoranthene	23.592	252	2085129	20.440	ng/ul	99
93) Benzo(a)pyrene	24.350	252	1934347	20.175	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.927	276	2353855	19.860	ng/ul	98
95) Dibenzo(a,h)anthracene	27.991	278	1963094	19.939	ng/ul	98
96) Benzo(g,h,i)perylene	28.997	276	1916402	20.103	ng/ul	98

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

