

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012825\
 Data File : BM049467.D
 Acq On : 28 Jan 2025 13:29
 Operator : RC/JU
 Sample : SSTD08076
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD080017

Quant Time: Jan 28 14:12:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 28 13:51:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
 Supervised By :mohammad ahmed 02/05/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.510	152	200269	20.000	ng/u1	0.00
20) Naphthalene-d8	10.275	136	728018	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.151	164	451413	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.910	188	895212	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	940541	20.000	ng/u1	0.00
88) Perylene-d12	23.921	264	935926	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.116	96	163830	32.899	ng/uL	0.00
4) Pyridine-d5	3.505	84	1259374	81.080	ng/u1	0.00
7) Phenol-d5	6.710	99	1293834	77.152	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	849005	75.748	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	1038761	80.696	ng/u1	0.00
15) 4-Methylphenol-d8	8.234	113	961260	75.132	ng/u1	0.00
21) Nitrobenzene-d5	8.663	128	475223	84.896	ng/u1	0.00
24) 2-Nitrophenol-d4	9.375	143	542810	87.226	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.910	165	1040821	82.145	ng/u1	0.00
31) 4-Chloroaniline-d4	10.422	131	1295119	78.247	ng/u1	0.00
46) Dimethylphthalate-d6	13.580	166	2641868	78.559	ng/u1	0.00
49) Acenaphthylene-d8	13.845	160	3223688	83.560	ng/u1	0.00
54) 4-Nitrophenol-d4	14.392	143	484807	88.208	ng/u1	0.01
60) Fluorene-d10	15.157	176	2359342	80.817	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.292	200	488848	85.544	ng/u1	0.01
73) Anthracene-d10	17.010	188	3661591	82.166	ng/u1	0.00
81) Pyrene-d10	19.315	212	4372103	76.899	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.739	264	4397328	87.356	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.152	88	175213	31.949	ng/uL	95
5) Pyridine	3.522	79	1264255	79.779	ng/u1	98
6) Benzaldehyde	6.669	77	557280	61.056	ng/u1	99
8) Phenol	6.740	94	1339211	76.488	ng/u1	99
10) Bis(2-Chloroethyl)ether	6.957	93	1079966	75.895	ng/u1	97
12) 2-Chlorophenol	7.087	128	1063334	79.627	ng/u1	99
13) 2-Methylphenol	7.963	108	964642	76.486	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.034	45	1634750	76.331	ng/u1	99
16) Acetophenone	8.334	105	1574620	75.233	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.334	70	834293	74.476	ng/u1	96
18) 4-Methylphenol	8.298	108	1033685	74.991	ng/u1	96
19) Hexachloroethane	8.575	117	459334	79.835	ng/u1	98
22) Nitrobenzene	8.704	77	1191047	81.680	ng/u1	98
23) Isophorone	9.228	82	2184536	78.729	ng/u1	99
25) 2-Nitrophenol	9.404	139	580127	84.720	ng/u1	100
26) 2,4-Dimethylphenol	9.481	107	1001496	78.337	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.710	93	1342078	78.066	ng/u1	98
29) 2,4-Dichlorophenol	9.934	162	1019338	80.262	ng/u1	99
30) Naphthalene	10.322	128	3120675	80.318	ng/u1	99
32) 4-Chloroaniline	10.445	127	1234090	78.182	ng/u1	100
33) Hexachlorobutadiene	10.616	225	725659	79.257	ng/u1	99
34) Caprolactam	11.233	113	284700m	78.165	ng/u1	
35) 4-Chloro-3-methylphenol	11.586	107	929437	80.418	ng/u1	97
36) 2-Methylnaphthalene	11.945	142	2169104	79.011	ng/u1	99

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37) 1-Methylnaphthalene	12.169	142	2145807	78.747	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.322	216	1341848	83.551	ng/ul	98
40) Hexachlorocyclopentadiene	12.304	237	787107	81.448	ng/ul	100
41) 2,4,6-Trichlorophenol	12.575	196	832723	85.346	ng/ul	97
42) 2,4,5-Trichlorophenol	12.651	196	889230	85.671	ng/ul	97
43) 1,1'-Biphenyl	12.980	154	2778485	83.084	ng/ul	100
44) 2-Chloronaphthalene	13.016	162	2218192	82.299	ng/ul	99
45) 2-Nitroaniline	13.233	65	635767	90.788	ng/ul	98
47) Dimethylphthalate	13.627	163	2621119	78.810	ng/ul	99
48) 2,6-Dinitrotoluene	13.745	165	541018	88.199	ng/ul	98
50) Acenaphthylene	13.874	152	3273223	82.565	ng/ul	100
51) 3-Nitroaniline	14.074	138	493721	82.156	ng/ul	96
52) Acenaphthene	14.222	153	2329700	82.410	ng/ul	100
53) 2,4-Dinitrophenol	14.280	184	338196	88.698	ng/ul	96
55) 4-Nitrophenol	14.404	109	353257	87.087	ng/ul	99
56) Dibenzofuran	14.557	168	3187235	79.074	ng/ul	99
57) 2,4-Dinitrotoluene	14.539	165	788494	86.835	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	14.792	232	714829	82.462	ng/ul	95
59) Diethylphthalate	15.010	149	2535380	78.845	ng/ul	99
61) Fluorene	15.210	166	2633945	80.728	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.216	204	1424809	79.728	ng/ul	93
63) 4-Nitroaniline	15.245	138	430884m	79.931	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.304	198	529990	84.928	ng/ul#	98
67) N-Nitrosodiphenylamine	15.433	169	2170216	80.969	ng/ul	98
68) 4-Bromophenyl-phenylether	16.110	248	841514	81.526	ng/ul	97
69) Hexachlorobenzene	16.216	284	951143	79.578	ng/ul	99
70) Atrazine	16.398	200	844536	77.778	ng/ul	98
71) Pentachlorophenol	16.563	266	626692	80.621	ng/ul	99
72) Phenanthrene	16.951	178	4116280	81.969	ng/ul	100
74) Anthracene	17.045	178	4142080	82.269	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	12.939	216	1293214	83.721	ng/uL	99
76) Pentachlorobenzene	14.480	250	1236479	81.162	ng/uL	99
77) Carbazole	17.315	167	3662323	82.080	ng/ul	99
78) Di-n-butylphthalate	17.898	149	4406479	81.857	ng/ul	99
80) Fluoranthene	18.974	202	4986654	76.424	ng/ul	98
82) Pyrene	19.345	202	5317335	76.377	ng/ul	100
83) Butylbenzylphthalate	20.268	149	1992283	81.770	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.062	252	1457142	81.937	ng/ul	98
85) Benzo(a)anthracene	21.121	228	5393861	81.674	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.074	149	2932828	80.913	ng/ul	99
87) Chrysene	21.180	228	4981821	82.193	ng/ul	100
89) Di-n-octyl phthalate	22.133	149	4996409	76.543	ng/ul	100
90) Benzo(b)fluoranthene	23.050	252	5260522	84.105	ng/ul	100
91) Benzo(k)fluoranthene	23.109	252	5276033	85.370	ng/ul	99
93) Benzo(a)pyrene	23.797	252	4927170	86.616	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.021	276	6202399	92.219	ng/ul	99
95) Dibenzo(a,h)anthracene	27.074	278	5071345	92.776	ng/ul	100
96) Benzo(g,h,i)perylene	27.979	276	4662449	92.380	ng/ul	99

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

