

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012825\
 Data File : BM049499.D
 Acq On : 29 Jan 2025 11:42
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020081

Quant Time: Jan 29 12:52:03 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 01/29/2025
 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	124053	20.000	ng/u1	0.00
20) Naphthalene-d8	10.269	136	457207	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.151	164	300644	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.904	188	638771	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	701579	20.000	ng/u1	0.00
88) Perylene-d12	23.915	264	734324	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.116	96	30753	9.185	ng/uL	0.00
4) Pyridine-d5	3.504	84	216770	22.036	ng/u1	0.00
7) Phenol-d5	6.704	99	221932	22.046	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.857	67	157784	22.922	ng/u1	0.00
11) 2-Chlorophenol-d4	7.051	132	174958	22.460	ng/u1	0.00
15) 4-Methylphenol-d8	8.222	113	163630	22.186	ng/u1	0.00
21) Nitrobenzene-d5	8.651	128	76549	21.885	ng/u1	0.00
24) 2-Nitrophenol-d4	9.369	143	79975	20.962	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.904	165	175028	22.481	ng/u1	0.00
31) 4-Chloroaniline-d4	10.416	131	216704	21.699	ng/u1	0.00
46) Dimethylphthalate-d6	13.574	166	492600	22.347	ng/u1	0.00
49) Acenaphthylene-d8	13.839	160	575554	22.222	ng/u1	0.00
54) 4-Nitrophenol-d4	14.380	143	70854	19.594	ng/u1	0.00
60) Fluorene-d10	15.151	176	449314	23.178	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.280	200	72238	17.946	ng/u1	0.00
73) Anthracene-d10	17.004	188	724232	22.704	ng/u1	0.00
81) Pyrene-d10	19.309	212	864659	21.082	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.727	264	880263	22.475	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.146	88	32674	9.287	ng/uL	98
5) Pyridine	3.522	79	231284	22.926	ng/u1	96
6) Benzaldehyde	6.669	77	157040	28.405	ng/u1	98
8) Phenol	6.734	94	236702	22.402	ng/u1	98
10) Bis(2-Chloroethyl)ether	6.951	93	188291	21.853	ng/u1	98
12) 2-Chlorophenol	7.081	128	181488	22.561	ng/u1	97
13) 2-Methylphenol	7.963	108	162057	21.887	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.034	45	311318	23.456	ng/u1	99
16) Acetophenone	8.322	105	274091	22.348	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.316	70	150068	23.330	ng/u1	99
18) 4-Methylphenol	8.286	108	176338	22.065	ng/u1	96
19) Hexachloroethane	8.569	117	78304	22.154	ng/u1	90
22) Nitrobenzene	8.692	77	212432	22.738	ng/u1	99
23) Isophorone	9.216	82	374498	22.417	ng/u1	99
25) 2-Nitrophenol	9.398	139	91826	21.676	ng/u1	95
26) 2,4-Dimethylphenol	9.475	107	175918	22.566	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.704	93	232636	22.234	ng/u1	99
29) 2,4-Dichlorophenol	9.928	162	178303	22.782	ng/u1	97
30) Naphthalene	10.322	128	540223	22.193	ng/u1	100
32) 4-Chloroaniline	10.439	127	208984	21.870	ng/u1	96
33) Hexachlorobutadiene	10.610	225	133811	22.807	ng/u1	98
34) Caprolactam	11.210	113	46865	21.707	ng/u1	91
35) 4-Chloro-3-methylphenol	11.580	107	156441	23.135	ng/u1	100
36) 2-Methylnaphthalene	11.939	142	375642	22.627	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.163	142	370114	22.614	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.316	216	240382	21.691	ng/ul	98
40) Hexachlorocyclopentadiene	12.298	237	127191	19.564	ng/ul	99
41) 2,4,6-Trichlorophenol	12.569	196	142063	21.737	ng/ul	98
42) 2,4,5-Trichlorophenol	12.645	196	151780	22.097	ng/ul	98
43) 1,1'-Biphenyl	12.974	154	492073	21.572	ng/ul	99
44) 2-Chloronaphthalene	13.010	162	410773	22.212	ng/ul	99
45) 2-Nitroaniline	13.233	65	101744	21.901	ng/ul	99
47) Dimethylphthalate	13.621	163	487746	22.274	ng/ul	100
48) 2,6-Dinitrotoluene	13.733	165	85493	21.708	ng/ul	94
50) Acenaphthylene	13.868	152	596149	22.404	ng/ul	99
51) 3-Nitroaniline	14.068	138	83091	21.240	ng/ul	100
52) Acenaphthene	14.215	153	421861	22.206	ng/ul	98
53) 2,4-Dinitrophenol	14.274	184	36678	15.062	ng/ul	95
55) 4-Nitrophenol	14.392	109	54738	20.689	ng/ul	95
56) Dibenzofuran	14.551	168	624980	23.073	ng/ul	99
57) 2,4-Dinitrotoluene	14.527	165	136400	23.161	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.786	232	127005	22.704	ng/ul	97
59) Diethylphthalate	14.998	149	468812	22.552	ng/ul	99
61) Fluorene	15.204	166	513984	23.482	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.210	204	273687	23.052	ng/ul	96
63) 4-Nitroaniline	15.233	138	87969m	24.351	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.292	198	83341	18.890	ng/ul#	94
67) N-Nitrosodiphenylamine	15.427	169	413147	21.697	ng/ul	99
68) 4-Bromophenyl-phenylether	16.104	248	154659	21.204	ng/ul	97
69) Hexachlorobenzene	16.209	284	182398	21.656	ng/ul	97
70) Atrazine	16.392	200	159660	21.302	ng/ul	98
71) Pentachlorophenol	16.562	266	101948	19.223	ng/ul	99
72) Phenanthrene	16.945	178	809309	22.508	ng/ul	99
74) Anthracene	17.039	178	815795	22.525	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.933	216	237284	20.553	ng/uL	98
76) Pentachlorobenzene	14.474	250	233949	21.192	ng/uL	99
77) Carbazole	17.315	167	719971	22.242	ng/ul	100
78) Di-n-butylphthalate	17.892	149	786699	21.278	ng/ul	99
80) Fluoranthene	18.974	202	972300	20.756	ng/ul	100
82) Pyrene	19.339	202	1074364	21.316	ng/ul	99
83) Butylbenzylphthalate	20.268	149	341024	20.090	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.056	252	284660	21.369	ng/ul	98
85) Benzo(a)anthracene	21.121	228	1093358	22.185	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.074	149	519083	20.812	ng/ul	99
87) Chrysene	21.174	228	1033834	22.588	ng/ul	99
89) Di-n-octyl phthalate	22.133	149	837459	18.644	ng/ul	100
90) Benzo(b)fluoranthene	23.044	252	1074002	22.564	ng/ul	100
91) Benzo(k)fluoranthene	23.103	252	1056084	21.957	ng/ul	100
93) Benzo(a)pyrene	23.785	252	1003738	22.480	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.991	276	1247385	22.539	ng/ul	100
95) Dibenzo(a,h)anthracene	27.044	278	1022535	22.801	ng/ul	99
96) Benzo(g,h,i)perylene	27.950	276	969917	23.050	ng/ul	99

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

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