

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012825\
 Data File : BM049518.D
 Acq On : 30 Jan 2025 00:48
 Operator : RC/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020083

Quant Time: Jan 30 08:29:25 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 01/30/2025
 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	199353	20.000	ng/u1	0.00
20) Naphthalene-d8	10.269	136	741329	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.151	164	485793	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.904	188	1028396	20.000	ng/u1	0.00
79) Chrysene-d12	21.133	240	1083363	20.000	ng/u1	0.00
88) Perylene-d12	23.909	264	1125082	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.116	96	42979	7.988	ng/uL	0.00
4) Pyridine-d5	3.505	84	318604	20.154	ng/u1	0.00
7) Phenol-d5	6.728	99	337735	20.877	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	6.863	67	222670	20.129	ng/u1	0.00
11) 2-Chlorophenol-d4	7.057	132	266611	21.298	ng/u1	0.00
15) 4-Methylphenol-d8	8.240	113	247300	20.865	ng/u1	0.01
21) Nitrobenzene-d5	8.651	128	120988	21.333	ng/u1	0.00
24) 2-Nitrophenol-d4	9.369	143	135761	21.946	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.922	165	274840	21.772	ng/u1	0.02
31) 4-Chloroaniline-d4	10.422	131	324990	20.070	ng/u1	0.00
46) Dimethylphthalate-d6	13.574	166	740849	20.799	ng/u1	0.00
49) Acenaphthylene-d8	13.839	160	873087	20.862	ng/u1	0.00
54) 4-Nitrophenol-d4	14.427	143	99821	17.084	ng/u1	0.05
60) Fluorene-d10	15.151	176	664882	21.226	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.280	200	122278	18.869	ng/u1	0.00
73) Anthracene-d10	17.004	188	1063315	20.705	ng/u1	0.00
81) Pyrene-d10	19.304	212	1270803	20.066	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.721	264	1251110	20.849	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.146	88	45240	8.001	ng/uL	94
5) Pyridine	3.528	79	325691	20.089	ng/u1	97
6) Benzaldehyde	6.669	77	226043	25.442	ng/u1	99
8) Phenol	6.757	94	352106	20.737	ng/u1	97
10) Bis(2-Chloroethyl)ether	6.951	93	280056	20.226	ng/u1	96
12) 2-Chlorophenol	7.093	128	275721	21.329	ng/u1	98
13) 2-Methylphenol	7.975	108	249326	20.954	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.028	45	436384	20.460	ng/u1	99
16) Acetophenone	8.328	105	412187	20.913	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.316	70	219054	21.192	ng/u1	99
18) 4-Methylphenol	8.304	108	273502	21.297	ng/u1	98
19) Hexachloroethane	8.569	117	116236	20.464	ng/u1	97
22) Nitrobenzene	8.698	77	307858	20.323	ng/u1	98
23) Isophorone	9.222	82	566365	20.909	ng/u1	99
25) 2-Nitrophenol	9.398	139	149511	21.767	ng/u1	98
26) 2,4-Dimethylphenol	9.487	107	254314	20.119	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.704	93	348459	20.539	ng/u1	99
29) 2,4-Dichlorophenol	9.945	162	268727	21.176	ng/u1	98
30) Naphthalene	10.316	128	815755	20.668	ng/u1	100
32) 4-Chloroaniline	10.445	127	314594	20.304	ng/u1	98
33) Hexachlorobutadiene	10.610	225	192459	20.231	ng/u1	97
34) Caprolactam	11.216	113	85141m	24.322	ng/u1	
35) 4-Chloro-3-methylphenol	11.604	107	245194	22.363	ng/u1	98
36) 2-Methylnaphthalene	11.939	142	569909	21.171	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.163	142	562721	21.205	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.316	216	357408	19.959	ng/ul	98
40) Hexachlorocyclopentadiene	12.298	237	205575	19.569	ng/ul	99
41) 2,4,6-Trichlorophenol	12.575	196	221668	20.990	ng/ul	95
42) 2,4,5-Trichlorophenol	12.669	196	236363	21.296	ng/ul	97
43) 1,1'-Biphenyl	12.975	154	741325	20.113	ng/ul	100
44) 2-Chloronaphthalene	13.010	162	612943	20.512	ng/ul	99
45) 2-Nitroaniline	13.233	65	157643	21.000	ng/ul	99
47) Dimethylphthalate	13.622	163	724586	20.478	ng/ul	99
48) 2,6-Dinitrotoluene	13.739	165	138398	21.748	ng/ul	95
50) Acenaphthylene	13.869	152	891172	20.727	ng/ul	99
51) 3-Nitroaniline	14.074	138	137027	21.677	ng/ul	95
52) Acenaphthene	14.216	153	629612	20.511	ng/ul	99
53) 2,4-Dinitrophenol	14.280	184	84146	21.385	ng/ul	93
55) 4-Nitrophenol	14.439	109	89943	21.038	ng/ul	97
56) Dibenzofuran	14.551	168	916490	20.939	ng/ul	99
57) 2,4-Dinitrotoluene	14.533	165	212364	22.316	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	14.798	232	196685	21.760	ng/ul	94
59) Diethylphthalate	14.998	149	702409	20.912	ng/ul	100
61) Fluorene	15.210	166	745075	21.066	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.210	204	401285	20.917	ng/ul	96
63) 4-Nitroaniline	15.239	138	140511m	24.071	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.298	198	132902	18.711	ng/ul	98
67) N-Nitrosodiphenylamine	15.427	169	611203	19.937	ng/ul	97
68) 4-Bromophenyl-phenylether	16.104	248	236854	20.170	ng/ul	95
69) Hexachlorobenzene	16.210	284	274688	20.257	ng/ul	98
70) Atrazine	16.392	200	241194	19.988	ng/ul	98
71) Pentachlorophenol	16.568	266	175557	20.561	ng/ul	98
72) Phenanthrene	16.945	178	1181186	20.404	ng/ul	100
74) Anthracene	17.033	178	1205160	20.668	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	12.933	216	353711	19.030	ng/uL	99
76) Pentachlorobenzene	14.474	250	346554	19.499	ng/uL	98
77) Carbazole	17.315	167	1070846	20.548	ng/ul	99
78) Di-n-butylphthalate	17.892	149	1205461	20.252	ng/ul	99
80) Fluoranthene	18.974	202	1433185	19.813	ng/ul	99
82) Pyrene	19.339	202	1548449	19.895	ng/ul	99
83) Butylbenzylphthalate	20.262	149	546076	20.833	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.056	252	461218	22.422	ng/ul	100
85) Benzo(a)anthracene	21.115	228	1564537	20.558	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.068	149	808792	21.000	ng/ul	100
87) Chrysene	21.174	228	1469150	20.788	ng/ul	99
89) Di-n-octyl phthalate	22.127	149	1360108	19.763	ng/ul	100
90) Benzo(b)fluoranthene	23.039	252	1496652	20.523	ng/ul	99
91) Benzo(k)fluoranthene	23.097	252	1501750	20.379	ng/ul	99
93) Benzo(a)pyrene	23.780	252	1404273	20.527	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.991	276	1722529	20.314	ng/ul	98
95) Dibenzo(a,h)anthracene	27.038	278	1385752	20.168	ng/ul	99
96) Benzo(g,h,i)perylene	27.944	276	1312681	20.361	ng/ul	99

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

