

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012825\
 Data File : BM049471.D
 Acq On : 28 Jan 2025 16:45
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020079

Quant Time: Jan 28 17:22:25 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 :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	164569	20.000	ng/u1	0.00
20) Naphthalene-d8	10.275	136	601272	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.151	164	387167	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.904	188	758922	20.000	ng/u1	0.00
79) Chrysene-d12	21.133	240	753005	20.000	ng/u1	0.00
88) Perylene-d12	23.915	264	768232	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	37099	8.353	ng/uL	0.00
4) Pyridine-d5	3.510	84	268987	20.612	ng/u1	0.00
7) Phenol-d5	6.710	99	274224	20.534	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.863	67	194433	21.292	ng/u1	0.00
11) 2-Chlorophenol-d4	7.051	132	219678	21.258	ng/u1	0.00
15) 4-Methylphenol-d8	8.228	113	201353	20.579	ng/u1	0.00
21) Nitrobenzene-d5	8.657	128	97571	21.211	ng/u1	0.00
24) 2-Nitrophenol-d4	9.369	143	107895	21.504	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.904	165	221898	21.672	ng/u1	0.00
31) 4-Chloroaniline-d4	10.416	131	267442	20.363	ng/u1	0.00
46) Dimethylphthalate-d6	13.574	166	617448	21.751	ng/u1	0.00
49) Acenaphthylene-d8	13.839	160	719913	21.584	ng/u1	0.00
54) 4-Nitrophenol-d4	14.380	143	87025	18.688	ng/u1	0.00
60) Fluorene-d10	15.151	176	537570	21.534	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.280	200	88435	18.492	ng/u1	0.00
73) Anthracene-d10	17.004	188	827349	21.831	ng/u1	0.00
81) Pyrene-d10	19.309	212	935529	21.252	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.727	264	878501	21.440	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.152	88	41114	8.809	ng/uL	94
5) Pyridine	3.528	79	282417	21.102	ng/u1	99
6) Benzaldehyde	6.669	77	194182	26.476	ng/u1	99
8) Phenol	6.734	94	288973	20.616	ng/u1	99
10) Bis(2-Chloroethyl)ether	6.951	93	240514	21.041	ng/u1	99
12) 2-Chlorophenol	7.087	128	230176	21.569	ng/u1	100
13) 2-Methylphenol	7.963	108	199765	20.337	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.034	45	388208	22.048	ng/u1	99
16) Acetophenone	8.328	105	345489	21.234	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.316	70	186124	21.812	ng/u1	98
18) 4-Methylphenol	8.286	108	219088	20.665	ng/u1	96
19) Hexachloroethane	8.575	117	102277	21.813	ng/u1	99
22) Nitrobenzene	8.698	77	263659	21.460	ng/u1	100
23) Isophorone	9.222	82	468418	21.321	ng/u1	100
25) 2-Nitrophenol	9.404	139	120223	21.580	ng/u1	98
26) 2,4-Dimethylphenol	9.475	107	219743	21.434	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.710	93	299488	21.765	ng/u1	99
29) 2,4-Dichlorophenol	9.933	162	223335	21.698	ng/u1	99
30) Naphthalene	10.322	128	683630	21.355	ng/u1	100
32) 4-Chloroaniline	10.445	127	261747	20.829	ng/u1	100
33) Hexachlorobutadiene	10.610	225	170440	22.090	ng/u1	100
34) Caprolactam	11.210	113	57861m	20.379	ng/u1	
35) 4-Chloro-3-methylphenol	11.580	107	196792	22.130	ng/u1	98
36) 2-Methylnaphthalene	11.945	142	476859	21.841	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.163	142	471500	21.906	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.322	216	300332	21.044	ng/ul	97
40) Hexachlorocyclopentadiene	12.304	237	170680	20.386	ng/ul	98
41) 2,4,6-Trichlorophenol	12.574	196	178834	21.248	ng/ul	99
42) 2,4,5-Trichlorophenol	12.645	196	190057	21.486	ng/ul	99
43) 1,1'-Biphenyl	12.980	154	612044	20.835	ng/ul	99
44) 2-Chloronaphthalene	13.016	162	499581	20.977	ng/ul	99
45) 2-Nitroaniline	13.233	65	125838	21.034	ng/ul	98
47) Dimethylphthalate	13.621	163	608841	21.590	ng/ul	99
48) 2,6-Dinitrotoluene	13.739	165	108722	21.437	ng/ul	99
50) Acenaphthylene	13.868	152	725965	21.186	ng/ul	99
51) 3-Nitroaniline	14.068	138	99446	19.739	ng/ul	98
52) Acenaphthene	14.216	153	518453	21.192	ng/ul	100
53) 2,4-Dinitrophenol	14.280	184	50458	16.090	ng/ul	93
55) 4-Nitrophenol	14.392	109	64645	18.973	ng/ul	96
56) Dibenzofuran	14.557	168	751017	21.530	ng/ul	99
57) 2,4-Dinitrotoluene	14.533	165	162856	21.473	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	14.792	232	155666	21.609	ng/ul#	93
59) Diethylphthalate	14.998	149	578542	21.611	ng/ul	100
61) Fluorene	15.210	166	598949	21.249	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.210	204	327201	21.400	ng/ul	98
63) 4-Nitroaniline	15.239	138	102677	22.071	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.298	198	101992	19.458	ng/ul	99
67) N-Nitrosodiphenylamine	15.427	169	493935	21.833	ng/ul	98
68) 4-Bromophenyl-phenylether	16.104	248	189332	21.848	ng/ul	95
69) Hexachlorobenzene	16.215	284	217949	21.780	ng/ul	99
70) Atrazine	16.392	200	188361	21.152	ng/ul	97
71) Pentachlorophenol	16.562	266	123292	19.567	ng/ul	98
72) Phenanthrene	16.945	178	914892	21.416	ng/ul	99
74) Anthracene	17.039	178	923588	21.464	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	12.939	216	295081	21.512	ng/uL	100
76) Pentachlorobenzene	14.474	250	286432	21.839	ng/uL	99
77) Carbazole	17.315	167	810887	21.085	ng/ul	100
78) Di-n-butylphthalate	17.898	149	938705	21.370	ng/ul	100
80) Fluoranthene	18.974	202	1054264	20.969	ng/ul	99
82) Pyrene	19.339	202	1138374	21.043	ng/ul	100
83) Butylbenzylphthalate	20.268	149	374884	20.577	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.056	252	300458	21.015	ng/ul	98
85) Benzo(a)anthracene	21.121	228	1126200	21.291	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.074	149	573735	21.432	ng/ul	100
87) Chrysene	21.174	228	1050450	21.384	ng/ul	99
89) Di-n-octyl phthalate	22.133	149	914824	19.467	ng/ul	100
90) Benzo(b)fluoranthene	23.044	252	1071960	21.527	ng/ul	99
91) Benzo(k)fluoranthene	23.103	252	1065821	21.182	ng/ul	100
93) Benzo(a)pyrene	23.785	252	998331	21.372	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.997	276	1250961	21.606	ng/ul	98
95) Dibenzo(a,h)anthracene	27.044	278	1006299	21.449	ng/ul	99
96) Benzo(g,h,i)perylene	27.956	276	951069	21.604	ng/ul	98

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

