

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012425\
 Data File : BM049434.D
 Acq On : 24 Jan 2025 13:22
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020074

Quant Time: Jan 24 22:45:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 13 16:56:06 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/27/2025
 Supervised By :mohammad ahmed 01/27/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.517	152	205468	20.000	ng/u1	0.00
20) Naphthalene-d8	10.275	136	791170	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.157	164	560520	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.910	188	1222911	20.000	ng/u1	0.00
79) Chrysene-d12	21.139	240	1419053	20.000	ng/u1	0.00
88) Perylene-d12	23.921	264	1488779	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.117	96	43854	8.831	ng/uL	0.00
4) Pyridine-d5	3.505	84	341500	21.602	ng/u1	0.00
7) Phenol-d5	6.711	99	363239	21.060	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.864	67	253644	22.085	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.058	132	281065	21.302	ng/u1	0.00
15) 4-Methylphenol-d8	8.228	113	274865	20.551	ng/u1	-0.01
21) Nitrobenzene-d5	8.658	128	130101	21.564	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.375	143	149525	22.170	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.911	165	302928	22.011	ng/u1	0.00
31) 4-Chloroaniline-d4	10.422	131	378186	20.883	ng/u1	0.00
46) Dimethylphthalate-d6	13.581	166	888284	21.292	ng/u1	0.00
49) Acenaphthylene-d8	13.846	160	1027394	21.572	ng/u1	0.00
54) 4-Nitrophenol-d4	14.381	143	150316	21.758	ng/u1	-0.01
60) Fluorene-d10	15.157	176	808127	22.423	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.287	200	160979	20.655	ng/u1	0.00
73) Anthracene-d10	17.004	188	1324554	21.910	ng/u1	-0.01
81) Pyrene-d10	19.310	212	1646052	19.060	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.733	264	1706842	21.357	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.152	88	49533	9.105	ng/uL	96
5) Pyridine	3.523	79	359771	22.512	ng/u1	94
6) Benzaldehyde	6.670	77	250514	26.940	ng/u1	100
8) Phenol	6.734	94	382710	21.341	ng/u1	99
10) Bis(2-Chloroethyl)ether	6.958	93	311027	21.298	ng/u1	96
12) 2-Chlorophenol	7.087	128	290985	21.217	ng/u1	98
13) 2-Methylphenol	7.964	108	268938	20.526	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.034	45	512724	23.427	ng/u1	99
16) Acetophenone	8.328	105	464559	21.267	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.322	70	256441	21.734	ng/u1	94
18) 4-Methylphenol	8.293	108	295909	20.614	ng/u1	96
19) Hexachloroethane	8.575	117	125280	21.260	ng/u1	97
22) Nitrobenzene	8.699	77	351898	22.514	ng/u1	98
23) Isophorone	9.228	82	658417	21.680	ng/u1	100
25) 2-Nitrophenol	9.405	139	165374	22.310	ng/u1	98
26) 2,4-Dimethylphenol	9.475	107	299782	21.609	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.711	93	404972	21.696	ng/u1	98
29) 2,4-Dichlorophenol	9.934	162	303604	22.142	ng/u1	98
30) Naphthalene	10.328	128	894736	21.309	ng/u1	100
32) 4-Chloroaniline	10.446	127	362426	20.987	ng/u1	98
33) Hexachlorobutadiene	10.616	225	218779	22.346	ng/u1	99
34) Caprolactam	11.216	113	91748m	22.477	ng/u1	
35) 4-Chloro-3-methylphenol	11.581	107	282393	22.026	ng/u1	100
36) 2-Methylnaphthalene	11.946	142	644129	21.438	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.169	142	637263	21.317	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.322	216	419267	21.610	ng/ul	99
40) Hexachlorocyclopentadiene	12.304	237	241889	20.780	ng/ul	98
41) 2,4,6-Trichlorophenol	12.575	196	267078	22.377	ng/ul	99
42) 2,4,5-Trichlorophenol	12.646	196	283106	22.131	ng/ul	100
43) 1,1'-Biphenyl	12.981	154	872722	21.266	ng/ul	99
44) 2-Chloronaphthalene	13.016	162	700710	21.350	ng/ul	99
45) 2-Nitroaniline	13.234	65	200964	23.206	ng/ul	96
47) Dimethylphthalate	13.628	163	879778	21.318	ng/ul	99
48) 2,6-Dinitrotoluene	13.740	165	167914	21.809	ng/ul	98
50) Acenaphthylene	13.875	152	1045204	21.407	ng/ul	100
51) 3-Nitroaniline	14.069	138	165565	21.917	ng/ul	94
52) Acenaphthene	14.222	153	746315	21.394	ng/ul	99
53) 2,4-Dinitrophenol	14.281	184	96454	20.003	ng/ul	95
55) 4-Nitrophenol	14.398	109	112938	22.169	ng/ul	98
56) Dibenzofuran	14.557	168	1087917	21.961	ng/ul	99
57) 2,4-Dinitrotoluene	14.534	165	253513	22.189	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	14.793	232	243209	22.507	ng/ul	95
59) Diethylphthalate	15.004	149	865885	21.529	ng/ul	99
61) Fluorene	15.210	166	925221	22.859	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.216	204	496633	22.514	ng/ul	96
63) 4-Nitroaniline	15.240	138	173435	25.517	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.298	198	175216	20.619	ng/ul	97
67) N-Nitrosodiphenylamine	15.434	169	757519	20.877	ng/ul	99
68) 4-Bromophenyl-phenylether	16.110	248	288410	20.741	ng/ul	97
69) Hexachlorobenzene	16.216	284	335621	20.752	ng/ul	99
70) Atrazine	16.398	200	319375	21.529	ng/ul	99
71) Pentachlorophenol	16.563	266	223009	20.814	ng/ul	97
72) Phenanthrene	16.951	178	1457361	21.436	ng/ul	99
74) Anthracene	17.039	178	1493577	21.887	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	12.940	216	410317	20.076	ng/ul	99
76) Pentachlorobenzene	14.481	250	413030	20.247	ng/ul	100
77) Carbazole	17.316	167	1342768	22.178	ng/ul	99
78) Di-n-butylphthalate	17.898	149	1672544	22.546	ng/ul	100
80) Fluoranthene	18.975	202	1856320	18.706	ng/ul	98
82) Pyrene	19.339	202	2041666	19.328	ng/ul	98
83) Butylbenzylphthalate	20.269	149	789650	21.114	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.063	252	617711	23.246	ng/ul	99
85) Benzo(a)anthracene	21.122	228	2107535	21.311	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.074	149	1179763	21.211	ng/ul	99
87) Chrysene	21.180	228	1935154	21.435	ng/ul	99
89) Di-n-octyl phthalate	22.139	149	1997301	18.416	ng/ul	100
90) Benzo(b)fluoranthene	23.051	252	2056347	20.636	ng/ul	99
91) Benzo(k)fluoranthene	23.110	252	2015382	20.284	ng/ul	100
93) Benzo(a)pyrene	23.792	252	1919236	21.323	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.004	276	2336806	22.633	ng/ul	100
95) Dibenzo(a,h)anthracene	27.056	278	1909321	22.704	ng/ul	99
96) Benzo(g,h,i)perylene	27.962	276	1773249	23.006	ng/ul	99

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

