Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030317\
Data File : BF093372.D
Acq On : 3 Mar 2017 21:29
Operator : SJ/MA
Sample : I2086-04MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SRI-MW-4-20170302MS

**Manual Integrations APPROVED**
mohammad
3/6/2017 4:23:27 PM

Quant Time: Mar 03 23:08:07 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 03 22:55:05 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.78 | 152 | 196616 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.08 | 136 | 819160 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.82 | 164 | 382255 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.31 | 188 | 669584 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.95 | 240 | 541004 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.36 | 264 | 368415 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.38 | 112 | 784858 | 68.48 | ng | | 0.00 |
| 7) Phenol-d6 | 6.43 | 99 | 658178 | 44.64 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 1373798 | 93.39 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.62 | 330 | 393796 | 142.44 | ng | | 0.01 |
| 44) 2-Fluorobiphenyl | 9.15 | 172 | 1874406 | 88.84 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.89 | 244 | 1675685 | 72.78 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.35 | 88 | 102832 | 16.61 | ng | # | 81 |
| 3) Pyridine | 3.07 | 79 | 234446 | 14.89 | ng | | 89 |
| 4) n-Nitrosodimethylamine | 3.00 | 42 | 139397 | 18.85 | ng | # | 85 |
| 6) Aniline | 6.44 | 93 | 483591 | 24.04 | ng | # | 67 |
| 8) 2-Chlorophenol | 6.57 | 128 | 467769 | 37.00 | ng | | 85 |
| 9) Benzaldehyde | 6.33 | 77 | 170623 | 16.15 | ng | | 89 |
| 10) Phenol | 6.45 | 94 | 290591 | 16.84 | ng | | 80 |
| 11) bis(2-Chloroethyl)ether | 6.52 | 93 | 583741 | 42.39 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 6.72 | 146 | 537411 | 36.29 | ng | # | 89 |
| 13) 1,4-Dichlorobenzene | 6.80 | 146 | 550810 | 36.75 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.96 | 146 | 541795 | 37.80 | ng | | 97 |
| 15) Benzyl Alcohol | 6.94 | 79 | 314316 | 28.79 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45 | 988077 | 41.30 | ng | | 85 |
| 17) 2-Methylphenol | 7.06 | 107 | 330143 | 30.44 | ng | # | 92 |
| 18) Hexachloroethane | 7.30 | 117 | 176519 | 34.50 | ng | # | 84 |
| 19) n-Nitroso-di-n-propylamine | 7.21 | 70 | 444337 | 47.34 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.22 | 107 | 412447 | 31.80 | ng | # | 77 |
| 22) Acetophenone | 7.21 | 105 | 849718 | 45.43 | ng | # | 95 |
| 24) Nitrobenzene | 7.38 | 77 | 621997 | 41.18 | ng | | 99 |
| 25) Isophorone | 7.62 | 82 | 1256770 | 45.85 | ng | | 95 |
| 26) 2-Nitrophenol | 7.70 | 139 | 342356 | 47.68 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.74 | 122 | 512901 | 40.68 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.84 | 93 | 829447 | 45.69 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.95 | 162 | 482333 | 41.01 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.02 | 180 | 467573 | 36.89 | ng | | 96 |
| 31) Naphthalene | 8.10 | 128 | 1625931 | 39.16 | ng | | 99 |
| 32) Benzoic acid | 7.86 | 122 | 95297 | 18.51 | ng | | 95 |
| 33) 4-Chloroaniline | 8.16 | 127 | 420885 | 25.84 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.21 | 225 | 240266 | 34.46 | ng | | 98 |
| 35) Caprolactam | 8.54 | 113 | 29212 | 7.90 | ng | # | 58 |
| 36) 4-Chloro-3-methylphenol | 8.65 | 107 | 506264 | 41.29 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.78 | 142 | 1006412 | 37.75 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 509609 | 47.49 | ng | | 100 |
| 40) Hexachlorocyclopentadiene | 8.93 | 237 | 219894 | 45.42 | ng | | 94 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.07 | 196 | 325069 | 46.10 | ng | | 93 |
| 43) 2,4,5-Trichlorophenol | 9.13 | 196 | 363895 | 47.10 | ng | # | 83 |
| 45) 1,1'-Biphenyl | 9.25 | 154 | 1406234 | 50.80 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.28 | 162 | 1033108 | 47.71 | ng | | 98 |
| 47) 2-Nitroaniline | 9.38 | 65 | 350612 | 48.16 | ng | | 95 |
| 48) Acenaphthylene | 9.69 | 152 | 1519558 | 40.62 | ng | | 99 |
| 49) Dimethylphthalate | 9.56 | 163 | 1413703 | 54.91 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.63 | 165 | 304866 | 54.83 | ng | # | 83 |
| 51) Acenaphthene | 9.86 | 154 | 940903 | 42.07 | ng | | 97 |
| 52) 3-Nitroaniline | 9.79 | 138 | 169797 | 26.68 | ng | | 96 |
| 53) 2,4-Dinitrophenol | 9.92 | 184 | 271978 | 95.20 | ng | # | 78 |
| 54) Dibenzofuran | 10.03 | 168 | 1284829 | 42.95 | ng | | 97 |
| 55) 4-Nitrophenol | 9.98 | 139 | 114210 | 24.92 | ng | | 86 |
| 56) 2,4-Dinitrotoluene | 10.03 | 165 | 303935 | 41.06 | ng | # | 73 |
| 57) Fluorene | 10.37 | 166 | 1012223 | 43.98 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.16 | 232 | 258569 | 50.17 | ng | | 99 |
| 59) Diethylphthalate | 10.25 | 149 | 1116189 | 46.00 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 10.36 | 204 | 458960 | 41.51 | ng | | 92 |
| 61) 4-Nitroaniline | 10.41 | 138 | 264199 | 40.54 | ng | | 93 |
| 62) Azobenzene | 10.52 | 77 | 1310207 | 52.27 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.45 | 198 | 183378 | 45.16 | ng | | 92 |
| 65) n-Nitrosodiphenylamine | 10.49 | 169 | 912694 | 42.67 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.85 | 248 | 307499 | 43.96 | ng | | 92 |
| 67) Hexachlorobenzene | 10.92 | 284 | 285903 | 41.36 | ng | # | 88 |
| 68) Atrazine | 11.02 | 200 | 321877 | 46.89 | ng | | 92 |
| 69) Pentachlorophenol | 11.13 | 266 | 259941 | 73.48 | ng | | 98 |
| 70) Phenanthrene | 11.33 | 178 | 1475957 | 38.47 | ng | | 99 |
| 71) Anthracene | 11.39 | 178 | 1750998 | 45.45 | ng | | 98 |
| 72) Carbazole | 11.55 | 167 | 1582311 | 42.97 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.87 | 149 | 1859620 | 46.69 | ng | # | 97 |
| 74) Fluoranthene | 12.52 | 202 | 1627236 | 41.12 | ng | | 98 |
| 76) Benzidine | 12.65 | 184 | 613519 | 26.61 | ng | | 96 |
| 77) Pyrene | 12.75 | 202 | 1585128 | 39.15 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.37 | 149 | 828295 | 50.38 | ng | # | 79 |
| 80) Benzo(a)anthracene | 13.94 | 228 | 1371284 | 41.44 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.91 | 252 | 298427 | 25.30 | ng | # | 95 |
| 82) Chrysene | 13.97 | 228 | 1024771 | 33.08 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.92 | 149 | 973600 | 43.30 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.53 | 149 | 1563624 | 42.71 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.74 | 276 | 984128 | 41.01 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 14.97 | 252 | 1265428m | 52.18 | ng | | |
| 88) Benzo(k)fluoranthene | 14.99 | 252 | 789568m | 37.71 | ng | | |
| 89) Benzo(a)pyrene | 15.31 | 252 | 973697 | 46.42 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 16.75 | 278 | 818924 | 48.31 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.15 | 276 | 870724 | 50.84 | ng | # | 89 |

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

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