Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050317\
Data File : BF094863.D
Acq On : 4 May 2017 7:48
Operator : SJ/MA
Sample : I2897-01MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
OWS-1MS

**Manual Integrations APPROVED**
mohammad
5/4/2017 3:35:30 PM

Quant Time: May 04 08:34:42 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.73 | 152 | 97711 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 9.75 | 136 | 357515 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 12.58 | 164 | 162610 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 14.98 | 188 | 254502 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 18.64 | 240 | 193920 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 20.31 | 264 | 157349 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.70 | 112 | 760171 | 129.71 | ng | | 0.02 |
| 7) Phenol-d6 | 7.28 | 99 | 871156 | 123.88 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.63 | 82 | 581690 | 102.60 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 13.88 | 330 | 189794 | 142.52 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 11.52 | 172 | 1097917 | 97.18 | ng | | 0.00 |
| 78) Terphenyl-d14 | 17.30 | 244 | 721768 | 81.98 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.24 | 88 | 94546 | 32.89 | ng | # | 80 |
| 3) Pyridine | 2.96 | 79 | 176996m | 26.57 | ng | | |
| 4) n-Nitrosodimethylamine | 2.79 | 42 | 113652 | 40.93 | ng | | 86 |
| 6) Aniline | 7.24 | 93 | 167930 | 18.92 | ng | | 95 |
| 8) 2-Chlorophenol | 7.42 | 128 | 310674 | 46.57 | ng | | 94 |
| 9) Benzaldehyde | 7.05 | 77 | 20817 | 4.85 | ng | | 98 |
| 10) Phenol | 7.30 | 94 | 324582 | 43.80 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 7.37 | 93 | 281943 | 46.09 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.64 | 146 | 321022 | 42.42 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.76 | 146 | 335388 | 43.71 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.00 | 146 | 320878 | 44.80 | ng | | 95 |
| 15) Benzyl Alcohol | 8.02 | 79 | 244597 | 54.08 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.22 | 45 | 368105 | 42.51 | ng | | 75 |
| 17) 2-Methylphenol | 8.23 | 107 | 246276 | 45.11 | ng | | 97 |
| 18) Hexachloroethane | 8.51 | 117 | 102318 | 39.36 | ng | # | 84 |
| 19) n-Nitroso-di-n-propylamine | 8.44 | 70 | 215309 | 45.27 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.48 | 107 | 400140 | 53.94 | ng | # | 58 |
| 22) Acetophenone | 8.40 | 105 | 432826 | 50.46 | ng | # | 84 |
| 24) Nitrobenzene | 8.66 | 77 | 297315 | 50.03 | ng | | 94 |
| 25) Isophorone | 9.06 | 82 | 548250 | 54.16 | ng | # | 94 |
| 26) 2-Nitrophenol | 9.17 | 139 | 170273 | 53.10 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.31 | 122 | 269464 | 51.97 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 9.43 | 93 | 354676 | 50.64 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 9.58 | 162 | 264634 | 54.06 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 9.67 | 180 | 251470 | 47.95 | ng | | 99 |
| 31) Naphthalene | 9.78 | 128 | 870097 | 48.42 | ng | | 100 |
| 32) Benzoic acid | 9.77 | 122 | 599335m | 162.51 | ng | | |
| 33) 4-Chloroaniline | 9.94 | 127 | 130794 | 19.53 | ng | | 94 |
| 34) Hexachlorobutadiene | 10.00 | 225 | 128306 | 46.37 | ng | | 99 |
| 35) Caprolactam | 10.67 | 113 | 60693 | 41.29 | ng | | 91 |
| 36) 4-Chloro-3-methylphenol | 10.78 | 107 | 258279 | 49.35 | ng | # | 88 |
| 37) 2-Methylnaphthalene | 10.91 | 142 | 587950 | 49.86 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.18 | 216 | 236448 | 47.28 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 11.17 | 237 | 54174 | 29.87 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 11.40 | 196 | 166338 | 49.82 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 11.49 | 196 | 177254 | 49.39 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 11.68 | 154 | 669956 | 48.93 | ng | | 97 |
| 46) 2-Chloronaphthalene | 11.69 | 162 | 520490 | 47.08 | ng | | 95 |
| 47) 2-Nitroaniline | 11.90 | 65 | 149670 | 49.47 | ng | # | 79 |
| 48) Acenaphthylene | 12.35 | 152 | 812781 | 46.94 | ng | | 99 |
| 49) Dimethylphthalate | 12.22 | 163 | 657456 | 49.25 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 12.31 | 165 | 133707 | 49.10 | ng | | 93 |
| 51) Acenaphthene | 12.63 | 154 | 495185 | 47.88 | ng | | 99 |
| 52) 3-Nitroaniline | 12.58 | 138 | 47836 | 16.36 | ng | # | 86 |
| 53) 2,4-Dinitrophenol | 12.77 | 184 | 72063 | 50.54 | ng | # | 66 |
| 54) Dibenzofuran | 12.92 | 168 | 745038 | 52.06 | ng | | 98 |
| 55) 4-Nitrophenol | 12.96 | 139 | 168658 | 96.07 | ng | # | 72 |
| 56) 2,4-Dinitrotoluene | 12.97 | 165 | 171598 | 49.03 | ng | # | 84 |
| 57) Fluorene | 13.47 | 166 | 588970 | 47.33 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 13.16 | 232 | 132806 | 58.80 | ng | # | 93 |
| 59) Diethylphthalate | 13.37 | 149 | 595469 | 46.54 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 13.50 | 204 | 265981 | 48.63 | ng | | 90 |
| 61) 4-Nitroaniline | 13.57 | 138 | 117093 | 43.64 | ng | | 98 |
| 62) Azobenzene | 13.75 | 77 | 518280 | 50.41 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 13.63 | 198 | 50761 | 29.75 | ng | # | 73 |
| 65) n-Nitrosodiphenylamine | 13.71 | 169 | 475177 | 51.44 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 14.28 | 248 | 144217 | 53.64 | ng | | 99 |
| 67) Hexachlorobenzene | 14.37 | 284 | 139477 | 50.62 | ng | # | 88 |
| 68) Atrazine | 14.62 | 200 | 118387 | 45.39 | ng | | 96 |
| 69) Pentachlorophenol | 14.72 | 266 | 136714 | 107.55 | ng | | 99 |
| 70) Phenanthrene | 15.01 | 178 | 723451 | 49.47 | ng | | 99 |
| 71) Anthracene | 15.09 | 178 | 717226 | 48.02 | ng | | 98 |
| 72) Carbazole | 15.38 | 167 | 669943 | 49.29 | ng | | 97 |
| 73) Di-n-butylphthalate | 15.95 | 149 | 845912 | 49.91 | ng | | 99 |
| 74) Fluoranthene | 16.75 | 202 | 691942 | 46.13 | ng | | 99 |
| 76) Benzidine | 16.98 | 184 | 32359 | 11.91 | ng | # | 94 |
| 77) Pyrene | 17.05 | 202 | 687292 | 47.39 | ng | | 99 |
| 79) Butylbenzylphthalate | 17.97 | 149 | 326827 | 48.45 | ng | | 92 |
| 80) Benzo(a)anthracene | 18.63 | 228 | 555349 | 49.21 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 18.61 | 252 | 146802 | 37.66 | ng | # | 96 |
| 82) Chrysene | 18.68 | 228 | 517054 | 47.38 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 18.71 | 149 | 444311 | 46.23 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 19.48 | 149 | 735182 | 46.65 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 21.59 | 276 | 409667 | 46.23 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 19.90 | 252 | 483871 | 49.77 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 19.93 | 252 | 495305 | 52.81 | ng | # | 95 |
| 89) Benzo(a)pyrene | 20.25 | 252 | 461639 | 51.45 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 21.61 | 278 | 349772 | 47.21 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 21.96 | 276 | 336662 | 46.30 | ng | | 99 |

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

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