Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062515\
Data File : BF080171.D
Acq On : 25 Jun 2015 17:42
Operator : TP/IZ
Sample : G2748-01MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC062315MSD

**Manual Integrations APPROVED**
apatel
6/26/2015 2:05:17 PM

Quant Time: Jun 26 02:00:23 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 26 01:01:50 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.29 | 152 | 28450 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.58 | 136 | 113763 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.36 | 164 | 61128 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.86 | 188 | 120947 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.88 | 240 | 125778 | 20.00 | ng | | 0.06 |
| 86) Perylene-d12 | 16.78 | 264 | 119318 | 20.00 | ng | | 0.07 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.91 | 112 | 256868 | 159.82 | ng | | 0.01 |
| 7) Phenol-d6 | 6.90 | 99 | 324407 | 151.68 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.85 | 82 | 233884 | 119.69 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.16 | 330 | 102124 | 170.85 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.66 | 172 | 427865 | 99.82 | ng | | -0.01 |
| 78) Terphenyl-d14 | 13.58 | 244 | 536382 | 99.60 | ng | | 0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.17 | 88 | 32070 | 41.98 | ng | | 83 |
| 3) Pyridine | 4.00 | 79 | 74065 | 36.46 | ng | # | 82 |
| 4) n-Nitrosodimethylamine | 3.89 | 42 | 52187 | 54.05 | ng | | 98 |
| 6) Aniline | 6.95 | 93 | 86338 | 29.34 | ng | | 92 |
| 8) 2-Chlorophenol | 7.08 | 128 | 105729 | 56.92 | ng | | 84 |
| 9) Benzaldehyde | 6.85 | 77 | 40842 | 33.08 | ng | | 92 |
| 10) Phenol | 6.92 | 94 | 126942 | 54.39 | ng | | 84 |
| 11) bis(2-Chloroethyl)ether | 7.02 | 93 | 108259 | 58.46 | ng | | 86 |
| 12) 1,3-Dichlorobenzene | 7.24 | 146 | 112024m | 50.20 | ng | | |
| 13) 1,4-Dichlorobenzene | 7.32 | 146 | 126814m | 59.76 | ng | | |
| 14) 1,2-Dichlorobenzene | 7.48 | 146 | 108662 | 52.62 | ng | | 98 |
| 15) Benzyl Alcohol | 7.42 | 79 | 97678 | 55.86 | ng | # | 74 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.57 | 45 | 176828 | 64.33 | ng | | 85 |
| 17) 2-Methylphenol | 7.53 | 107 | 86914 | 54.78 | ng | # | 89 |
| 18) Hexachloroethane | 7.82 | 117 | 41208 | 58.32 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 7.69 | 70 | 85193 | 57.37 | ng | # | 77 |
| 20) 3+4-Methylphenols | 7.68 | 107 | 118921 | 58.08 | ng | | 91 |
| 22) Acetophenone | 7.69 | 105 | 154403 | 58.24 | ng | # | 81 |
| 24) Nitrobenzene | 7.88 | 77 | 116619 | 57.82 | ng | # | 77 |
| 25) Isophorone | 8.10 | 82 | 212534 | 54.04 | ng | # | 83 |
| 26) 2-Nitrophenol | 8.20 | 139 | 58995 | 69.88 | ng | # | 77 |
| 27) 2,4-Dimethylphenol | 8.22 | 122 | 108795 | 61.80 | ng | # | 85 |
| 28) bis(2-Chloroethoxy)methane | 8.31 | 93 | 128820 | 55.75 | ng | # | 90 |
| 29) 2,4-Dichlorophenol | 8.44 | 162 | 103277 | 68.50 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.53 | 180 | 106551 | 62.23 | ng | | 100 |
| 31) Naphthalene | 8.61 | 128 | 318756m | 53.59 | ng | | |
| 32) Benzoic acid | 8.29 | 122 | 58952 | 55.39 | ng | # | 71 |
| 33) 4-Chloroaniline | 8.64 | 127 | 47660 | 18.72 | ng | # | 82 |
| 34) Hexachlorobutadiene | 8.73 | 225 | 57471 | 54.51 | ng | | 98 |
| 35) Caprolactam | 8.98 | 113 | 24906 | 50.90 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 9.12 | 107 | 97531 | 57.35 | ng | | 95 |
| 37) 2-Methylnaphthalene | 9.30 | 142 | 243773 | 63.36 | ng | # | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.48 | 216 | 107000 | 60.15 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.46 | 237 | 105071 | 112.07 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.58 | 196 | 76978 | 63.60 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 9.61 | 196 | 73598 | 52.78 | ng | # | 89 |
| 45) 1,1'-Biphenyl | 9.77 | 154 | 262790 | 52.84 | ng | | 94 |
| 46) 2-Chloronaphthalene | 9.80 | 162 | 223903 | 55.49 | ng | | 94 |
| 47) 2-Nitroaniline | 9.88 | 65 | 65086 | 58.75 | ng | # | 61 |
| 48) Acenaphthylene | 10.22 | 152 | 386494 | 57.38 | ng | | 97 |
| 49) Dimethylphthalate | 10.06 | 163 | 259845 | 56.54 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 10.12 | 165 | 52049 | 56.49 | ng | # | 44 |
| 51) Acenaphthene | 10.39 | 154 | 241952 | 58.72 | ng | | 90 |
| 52) 3-Nitroaniline | 10.29 | 138 | 30739 | 28.92 | ng | # | 45 |
| 53) 2,4-Dinitrophenol | 10.40 | 184 | 60814 | 156.18 | ng | # | 37 |
| 54) Dibenzofuran | 10.56 | 168 | 314258 | 53.75 | ng | # | 88 |
| 55) 4-Nitrophenol | 10.44 | 139 | 86766 | 102.12 | ng | # | 44 |
| 56) 2,4-Dinitrotoluene | 10.53 | 165 | 79380 | 67.90 | ng | # | 82 |
| 57) Fluorene | 10.92 | 166 | 259834 | 56.01 | ng | | 92 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.68 | 232 | 63493 | 53.93 | ng | | 98 |
| 59) Diethylphthalate | 10.76 | 149 | 248298 | 53.66 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 10.89 | 204 | 124140 | 55.68 | ng | # | 86 |
| 61) 4-Nitroaniline | 10.90 | 138 | 58100 | 52.92 | ng | # | 47 |
| 62) Azobenzene | 11.05 | 77 | 244822 | 51.97 | ng | | 86 |
| 64) 4,6-Dinitro-2-methylphenol | 10.94 | 198 | 35859 | 55.56 | ng | | 85 |
| 65) n-Nitrosodiphenylamine | 11.01 | 169 | 222346 | 56.46 | ng | | 92 |
| 66) 4-Bromophenyl-phenylether | 11.40 | 248 | 76946 | 59.83 | ng | # | 88 |
| 67) Hexachlorobenzene | 11.48 | 284 | 83220 | 58.23 | ng | # | 80 |
| 68) Atrazine | 11.53 | 200 | 70456 | 56.62 | ng | | 81 |
| 69) Pentachlorophenol | 11.66 | 266 | 88357 | 109.09 | ng | | 97 |
| 70) Phenanthrene | 11.90 | 178 | 392595 | 53.62 | ng | | 98 |
| 71) Anthracene | 11.94 | 178 | 404970 | 57.44 | ng | | 97 |
| 72) Carbazole | 12.09 | 167 | 353969 | 52.58 | ng | | 95 |
| 73) Di-n-butylphthalate | 12.44 | 149 | 422532 | 54.33 | ng | # | 99 |
| 74) Fluoranthene | 13.17 | 202 | 436726 | 56.00 | ng | | 91 |
| 76) Benzidine | 13.29 | 184 | 120850 | 34.37 | ng | | 97 |
| 77) Pyrene | 13.43 | 202 | 455297 | 58.79 | ng | | 96 |
| 79) Butylbenzylphthalate | 14.14 | 149 | 184017 | 59.17 | ng | | 92 |
| 80) Benzo(a)anthracene | 14.87 | 228 | 426441 | 55.65 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 14.81 | 252 | 101280 | 38.32 | ng | # | 94 |
| 82) Chrysene | 14.92 | 228 | 387262 | 54.81 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 14.85 | 149 | 268583 | 54.65 | ng | # | 94 |
| 84) Di-n-octyl phthalate | 15.67 | 149 | 452503 | 53.73 | ng | | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 18.62 | 276 | 466750 | 52.38 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 16.24 | 252 | 405483 | 56.13 | ng | # | 87 |
| 88) Benzo(k)fluoranthene | 16.28 | 252 | 417609 | 56.77 | ng | # | 87 |
| 89) Benzo(a)pyrene | 16.70 | 252 | 403628 | 58.83 | ng | # | 86 |
| 90) Dibenzo(a,h)anthracene | 18.64 | 278 | 389666 | 55.49 | ng | # | 82 |
| 91) Benzo(g,h,i)perylene | 19.17 | 276 | 397748 | 56.10 | ng | # | 79 |

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

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