Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077531.D
Acq On : 2 Mar 2015 19:24
Operator : TP/IZ
Sample : G1399-05MS
Misc : S
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB13MS

**Manual Integrations APPROVED**
apatel
3/3/2015 6:26:27 PM

Quant Time: Mar 03 04:10:07 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 02 23:46:07 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.26 | 152 | 98544 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.84 | 136 | 397874 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 11.01 | 164 | 193937 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.86 | 188 | 372820 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 16.15 | 240 | 414989 | 20.00 | ng | | 0.02 |
| 86) Perylene-d12 | 17.92 | 264 | 410815 | 20.00 | ng | | 0.09 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 482203 | 81.69 | ng | | 0.01 |
| 7) Phenol-d6 | 6.83 | 99 | 627616 | 82.69 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.95 | 82 | 335589 | 52.45 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 12.00 | 330 | 162830 | 87.20 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 10.19 | 172 | 729833 | 58.68 | ng | | 0.00 |
| 78) Terphenyl-d14 | 14.85 | 244 | 795598 | 44.82 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.21 | 88 | 52090 | 20.80 | ng | | 94 |
| 3) Pyridine | 2.96 | 79 | 151744 | 21.18 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 2.86 | 42 | 76950 | 24.70 | ng | | 99 |
| 6) Aniline | 6.85 | 93 | 103338 | 9.85 | ng | # | 84 |
| 8) 2-Chlorophenol | 6.99 | 128 | 163623 | 23.50 | ng | | 97 |
| 9) Benzaldehyde | 6.71 | 77 | 33895 | 7.36 | ng | | 87 |
| 10) Phenol | 6.84 | 94 | 222028 | 24.66 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 6.95 | 93 | 153712 | 23.75 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.19 | 146 | 179455 | 23.67 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 7.28 | 146 | 183208 | 23.75 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.47 | 146 | 173098 | 23.59 | ng | | 98 |
| 15) Benzyl Alcohol | 7.44 | 79 | 135266 | 23.45 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.62 | 45 | 212198 | 22.94 | ng | | 96 |
| 17) 2-Methylphenol | 7.59 | 107 | 127984 | 23.51 | ng | | 98 |
| 18) Hexachloroethane | 7.88 | 117 | 53396 | 20.72 | ng | # | 83 |
| 19) n-Nitroso-di-n-propylamine | 7.78 | 70 | 118596 | 24.61 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.78 | 107 | 176993 | 24.69 | ng | # | 79 |
| 22) Acetophenone | 7.77 | 105 | 234080 | 25.01 | ng | # | 88 |
| 24) Nitrobenzene | 7.98 | 77 | 159570 | 23.70 | ng | # | 82 |
| 25) Isophorone | 8.28 | 82 | 305873 | 24.10 | ng | | 96 |
| 26) 2-Nitrophenol | 8.37 | 139 | 73555 | 26.66 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 8.43 | 122 | 144685 | 23.44 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 8.56 | 93 | 198300 | 24.73 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.67 | 162 | 143126 | 24.70 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.77 | 180 | 153103 | 24.03 | ng | | 99 |
| 31) Naphthalene | 8.87 | 128 | 486559 | 24.45 | ng | | 99 |
| 32) Benzoic acid | 8.52 | 122 | 28496 | 9.50 | ng | # | 81 |
| 33) 4-Chloroaniline | 8.94 | 127 | 107874 | 12.19 | ng | | 98 |
| 34) Hexachlorobutadiene | 9.02 | 225 | 82804 | 22.77 | ng | | 98 |
| 35) Caprolactam | 9.36 | 113 | 41640 | 23.54 | ng | | 90 |
| 36) 4-Chloro-3-methylphenol | 9.55 | 107 | 139802 | 24.00 | ng | | 90 |
| 37) 2-Methylnaphthalene | 9.72 | 142 | 327179 | 23.16 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.93 | 216 | 147405 | 26.49 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.92 | 237 | 50451 | 16.91 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 10.08 | 196 | 101700 | 27.60 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 10.12 | 196 | 108139 | 27.44 | ng | # | 94 |
| 45) 1,1'-Biphenyl | 10.31 | 154 | 385735 | 26.25 | ng | | 97 |
| 46) 2-Chloronaphthalene | 10.33 | 162 | 314545 | 27.30 | ng | | 97 |
| 47) 2-Nitroaniline | 10.45 | 65 | 90763 | 32.00 | ng | | 89 |
| 48) Acenaphthylene | 10.84 | 152 | 519137 | 28.46 | ng | | 99 |
| 49) Dimethylphthalate | 10.69 | 163 | 408189 | 29.94 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 10.77 | 165 | 69773 | 25.52 | ng | # | 49 |
| 51) Acenaphthene | 11.05 | 154 | 287360 | 26.40 | ng | | 99 |
| 52) 3-Nitroaniline | 10.97 | 138 | 85023 | 26.97 | ng | | 90 |
| 53) 2,4-Dinitrophenol | 11.10 | 184 | 7623 | 9.16 | ng | # | 79 |
| 54) Dibenzofuran | 11.27 | 168 | 440058 | 26.18 | ng | | 98 |
| 55) 4-Nitrophenol | 11.18 | 139 | 138239 | 54.53 | ng | | 89 |
| 56) 2,4-Dinitrotoluene | 11.26 | 165 | 96491 | 26.12 | ng | # | 84 |
| 57) Fluorene | 11.69 | 166 | 369199 | 27.48 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 11.42 | 232 | 87153 | 27.51 | ng | | 99 |
| 59) Diethylphthalate | 11.57 | 149 | 361057 | 26.86 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 11.70 | 204 | 162900 | 25.16 | ng | # | 90 |
| 61) 4-Nitroaniline | 11.72 | 138 | 85563 | 28.32 | ng | | 90 |
| 62) Azobenzene | 11.90 | 77 | 349892 | 27.44 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 11.77 | 198 | 9515 | 9.61 | ng | | 74 |
| 65) n-Nitrosodiphenylamine | 11.85 | 169 | 310111 | 25.07 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 12.31 | 248 | 100619 | 23.05 | ng | # | 90 |
| 67) Hexachlorobenzene | 12.37 | 284 | 108195 | 23.09 | ng | # | 86 |
| 68) Atrazine | 12.52 | 200 | 98824 | 24.57 | ng | | 99 |
| 69) Pentachlorophenol | 12.62 | 266 | 118780 | 48.23 | ng | | 99 |
| 70) Phenanthrene | 12.89 | 178 | 663112 | 30.69 | ng | | 99 |
| 71) Anthracene | 12.95 | 178 | 561866 | 26.20 | ng | | 99 |
| 72) Carbazole | 13.15 | 167 | 503229 | 24.68 | ng | | 99 |
| 73) Di-n-butylphthalate | 13.61 | 149 | 601200 | 25.11 | ng | | 98 |
| 74) Fluoranthene | 14.37 | 202 | 981406 | 41.58 | ng | | 96 |
| 76) Benzidine | 14.54 | 184 | 446850 | 31.87 | ng | | 98 |
| 77) Pyrene | 14.65 | 202 | 1034979 | 40.77 | ng | | 99 |
| 79) Butylbenzylphthalate | 15.47 | 149 | 268199 | 25.68 | ng | | 92 |
| 80) Benzo(a)anthracene | 16.14 | 228 | 888836 | 36.55 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 16.12 | 252 | 200926 | 22.55 | ng | # | 95 |
| 82) Chrysene | 16.19 | 228 | 721783 | 31.60 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 16.20 | 149 | 398225 | 23.78 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 17.00 | 149 | 717042 | 25.64 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 19.38 | 276 | 723936m | 27.80 | ng | | |
| 87) Benzo(b)fluoranthene | 17.46 | 252 | 991105m | 41.49 | ng | | |
| 88) Benzo(k)fluoranthene | 17.49 | 252 | 497296m | 21.24 | ng | | |
| 89) Benzo(a)pyrene | 17.85 | 252 | 735680 | 32.33 | ng | # | 98 |
| 90) Dibenzo(a,h)anthracene | 19.40 | 278 | 490317 | 22.60 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 19.81 | 276 | 585387 | 26.73 | ng | | 96 |

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

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