Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
Data File : BF078943.D
Acq On : 5 May 2015 16:30
Operator : TP/IZ
Sample : G2032-08MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** B4(5-7)MSD

Quant Time: May 06 01:54:01 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 06 00:45:00 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.36 | 152 | 81310 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.94 | 136 | 341699 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 11.11 | 164 | 162974 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.96 | 188 | 312683 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 16.30 | 240 | 321359 | 20.00 | ng | | 0.02 |
| 86) Perylene-d12 | 18.18 | 264 | 326521 | 20.00 | ng | | 0.09 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.66 | 112 | 604337 | 127.94 | ng | | 0.01 |
| 7) Phenol-d6 | 6.90 | 99 | 802236 | 128.49 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.04 | 82 | 438824 | 73.81 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 12.09 | 330 | 220566 | 125.10 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 10.28 | 172 | 933796 | 79.83 | ng | | 0.00 |
| 78) Terphenyl-d14 | 14.96 | 244 | 1087871 | 81.05 | ng | | 0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.34 | 88 | 66071 | 32.17 | ng | # | 28 |
| 3) Pyridine | 3.11 | 79 | 145973 | 24.29 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.02 | 42 | 106274m | 41.27 | ng | | |
| 6) Aniline | 6.95 | 93 | 153128 | 17.37 | ng | | 99 |
| 8) 2-Chlorophenol | 7.08 | 128 | 225279 | 42.05 | ng | | 100 |
| 9) Benzaldehyde | 6.81 | 77 | 15820 | 3.76 | ng | | 100 |
| 10) Phenol | 6.92 | 94 | 311163 | 42.96 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 7.04 | 93 | 214800 | 40.45 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.28 | 146 | 231794 | 38.49 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.38 | 146 | 236361 | 38.14 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.56 | 146 | 229677 | 39.81 | ng | | 98 |
| 15) Benzyl Alcohol | 7.53 | 79 | 177593 | 38.32 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.71 | 45 | 329840 | 40.60 | ng | | 100 |
| 17) 2-Methylphenol | 7.68 | 107 | 182539 | 42.34 | ng | | 94 |
| 18) Hexachloroethane | 7.98 | 117 | 80969 | 37.93 | ng | # | 77 |
| 19) n-Nitroso-di-n-propylamine | 7.87 | 70 | 167399 | 39.69 | ng | # | 82 |
| 20) 3+4-Methylphenols | 7.86 | 107 | 239061 | 41.61 | ng | | 94 |
| 22) Acetophenone | 7.86 | 105 | 320847 | 41.56 | ng | # | 98 |
| 24) Nitrobenzene | 8.07 | 77 | 228433 | 38.76 | ng | | 97 |
| 25) Isophorone | 8.36 | 82 | 422689 | 38.35 | ng | | 99 |
| 26) 2-Nitrophenol | 8.47 | 139 | 104053 | 42.66 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 8.52 | 122 | 195917 | 40.14 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 8.65 | 93 | 269818 | 39.71 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.75 | 162 | 180659 | 41.62 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.87 | 180 | 194057 | 40.70 | ng | | 97 |
| 31) Naphthalene | 8.96 | 128 | 658617 | 40.45 | ng | | 99 |
| 32) Benzoic acid | 8.58 | 122 | 30145 | 14.87 | ng | | 92 |
| 33) 4-Chloroaniline | 9.03 | 127 | 125501 | 18.22 | ng | | 98 |
| 34) Hexachlorobutadiene | 9.12 | 225 | 101509 | 36.97 | ng | | 97 |
| 35) Caprolactam | 9.45 | 113 | 54704 | 38.98 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 9.63 | 107 | 202054 | 44.32 | ng | | 91 |
| 37) 2-Methylnaphthalene | 9.82 | 142 | 453168 | 40.17 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 10.02 | 216 | 179345 | 39.07 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 10.01 | 237 | 157018 | 68.03 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 10.17 | 196 | 125816 | 39.87 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 10.22 | 196 | 131821 | 41.32 | ng | # | 87 |
| 45) 1,1'-Biphenyl | 10.40 | 154 | 532838 | 41.13 | ng | | 100 |
| 46) 2-Chloronaphthalene | 10.42 | 162 | 408869 | 40.46 | ng | | 99 |
| 47) 2-Nitroaniline | 10.55 | 65 | 121834 | 41.61 | ng | | 98 |
| 48) Acenaphthylene | 10.94 | 152 | 663848 | 40.01 | ng | | 99 |
| 49) Dimethylphthalate | 10.79 | 163 | 545483 | 45.61 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 10.86 | 165 | 95044 | 40.26 | ng | | 98 |
| 51) Acenaphthene | 11.15 | 154 | 395665 | 39.99 | ng | | 98 |
| 52) 3-Nitroaniline | 11.06 | 138 | 86956 | 29.49 | ng | # | 98 |
| 53) 2,4-Dinitrophenol | 11.19 | 184 | 51593 | 61.44 | ng | # | 82 |
| 54) Dibenzofuran | 11.37 | 168 | 598169 | 41.85 | ng | | 97 |
| 55) 4-Nitrophenol | 11.27 | 139 | 205274 | 87.96 | ng | | 96 |
| 56) 2,4-Dinitrotoluene | 11.36 | 165 | 134389 | 43.06 | ng | # | 67 |
| 57) Fluorene | 11.79 | 166 | 483250 | 41.19 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 11.52 | 232 | 106760 | 40.95 | ng | # | 100 |
| 59) Diethylphthalate | 11.67 | 149 | 471406 | 39.78 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 11.81 | 204 | 205773 | 39.54 | ng | | 95 |
| 61) 4-Nitroaniline | 11.82 | 138 | 109114 | 36.99 | ng | | 93 |
| 62) Azobenzene | 12.00 | 77 | 496744 | 42.54 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 11.85 | 198 | 46077 | 38.48 | ng | | 93 |
| 65) n-Nitrosodiphenylamine | 11.94 | 169 | 400313 | 38.44 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 12.41 | 248 | 132608 | 40.69 | ng | | 93 |
| 67) Hexachlorobenzene | 12.47 | 284 | 145106 | 38.95 | ng | | 93 |
| 68) Atrazine | 12.62 | 200 | 124659 | 41.17 | ng | | 99 |
| 69) Pentachlorophenol | 12.72 | 266 | 150729 | 70.09 | ng | | 99 |
| 70) Phenanthrene | 12.98 | 178 | 675113 | 38.59 | ng | | 100 |
| 71) Anthracene | 13.05 | 178 | 681315 | 39.70 | ng | | 100 |
| 72) Carbazole | 13.26 | 167 | 690722 | 42.23 | ng | | 98 |
| 73) Di-n-butylphthalate | 13.70 | 149 | 779031 | 39.71 | ng | | 99 |
| 74) Fluoranthene | 14.47 | 202 | 763333 | 41.88 | ng | | 96 |
| 76) Benzidine | 14.64 | 184 | 172306 | 19.89 | ng | | 99 |
| 77) Pyrene | 14.75 | 202 | 789518 | 42.63 | ng | | 99 |
| 79) Butylbenzylphthalate | 15.59 | 149 | 345551 | 42.69 | ng | # | 77 |
| 80) Benzo(a)anthracene | 16.29 | 228 | 728242 | 41.38 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 16.26 | 252 | 211079 | 33.67 | ng | | 100 |
| 82) Chrysene | 16.33 | 228 | 674242 | 39.84 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 16.34 | 149 | 509588 | 41.56 | ng | | 99 |
| 84) Di-n-octyl phthalate | 17.20 | 149 | 869862 | 40.28 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 19.71 | 276 | 888303 | 41.19 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 17.69 | 252 | 778832 | 43.58 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 17.73 | 252 | 671784 | 38.83 | ng | | 99 |
| 89) Benzo(a)pyrene | 18.11 | 252 | 708492 | 43.05 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 19.75 | 278 | 704333 | 40.27 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 20.17 | 276 | 736277 | 42.00 | ng | | 99 |

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

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