Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
Data File : BF075512.D
Acq On : 14 Nov 2014 23:52
Operator : TP / JJ
Sample : PB80327BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB80327BS

**Manual Integrations APPROVED**
mohammad
11/17/2014 7:34:41 PM

Quant Time: Nov 16 04:25:14 2014
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 18:46:55 2014
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.56 | 152 | 93331 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 9.13 | 136 | 397646 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 11.32 | 164 | 203868 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 13.16 | 188 | 326652 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 16.46 | 240 | 359376 | 20.00 | ng | | -0.08 |
| 86) Perylene-d12 | 18.20 | 264 | 384215 | 20.00 | ng | | -0.24 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.84 | 112 | 426379 | 80.71 | ng | | -0.02 |
| 7) Phenol-d6 | 7.10 | 99 | 525423 | 82.70 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 8.24 | 82 | 283825 | 52.33 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 12.30 | 330 | 114371 | 66.98 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 10.48 | 172 | 544904 | 48.30 | ng | | -0.01 |
| 78) Terphenyl-d14 | 15.16 | 244 | 560033 | 41.95 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.48 | 88 | 49792 | 22.45 | ng | | 97 |
| 3) Pyridine | 3.27 | 79 | 141120m | 23.68 | ng | | |
| 4) n-Nitrosodimethylamine | 3.19 | 42 | 76371m | 24.21 | ng | | |
| 6) Aniline | 7.13 | 93 | 118320 | 12.89 | ng | | 98 |
| 8) 2-Chlorophenol | 7.28 | 128 | 143582 | 23.48 | ng | | 95 |
| 10) Phenol | 7.11 | 94 | 198077 | 25.56 | ng | | 87 |
| 11) bis(2-Chloroethyl)ether | 7.24 | 93 | 150473 | 25.63 | ng | # | 81 |
| 12) 1,3-Dichlorobenzene | 7.48 | 146 | 153077 | 22.97 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.57 | 146 | 150741 | 22.24 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.76 | 146 | 145018 | 22.82 | ng | # | 91 |
| 15) Benzyl Alcohol | 7.73 | 79 | 118143 | 23.69 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.91 | 45 | 285753 | 23.51 | ng | | 95 |
| 17) 2-Methylphenol | 7.86 | 107 | 117470 | 23.20 | ng | | 98 |
| 18) Hexachloroethane | 8.17 | 117 | 54295 | 23.36 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.06 | 70 | 100287 | 23.17 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.06 | 107 | 154599 | 23.32 | ng | | 90 |
| 22) Acetophenone | 8.06 | 105 | 207499 | 24.19 | ng | # | 96 |
| 24) Nitrobenzene | 8.26 | 77 | 155801 | 24.79 | ng | | 99 |
| 25) Isophorone | 8.56 | 82 | 285728 | 23.07 | ng | | 98 |
| 26) 2-Nitrophenol | 8.65 | 139 | 65161 | 22.75 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 8.71 | 122 | 129971 | 23.41 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 8.84 | 93 | 186006 | 24.65 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.95 | 162 | 112665 | 23.17 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 9.06 | 180 | 111107 | 21.76 | ng | | 97 |
| 31) Naphthalene | 9.16 | 128 | 427473 | 24.11 | ng | | 99 |
| 32) Benzoic acid | 8.80 | 122 | 90125m | 26.87 | ng | | |
| 33) 4-Chloroaniline | 9.22 | 127 | 102651 | 13.33 | ng | | 98 |
| 34) Hexachlorobutadiene | 9.32 | 225 | 57668 | 20.90 | ng | | 96 |
| 35) Caprolactam | 9.64 | 113 | 36556 | 22.68 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 9.82 | 107 | 114184 | 21.40 | ng | | 91 |
| 37) 2-Methylnaphthalene | 10.01 | 142 | 283084 | 23.40 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 10.22 | 216 | 99357 | 23.71 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 10.21 | 237 | 128190 | 50.36 | ng | | 100 |
| 42) 2,4,6-Trichlorophenol | 10.37 | 196 | 73810 | 22.15 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 10.41 | 196 | 73746 | 21.25 | ng | | 96 |
| 45) 1,1'-Biphenyl | 10.60 | 154 | 322217 | 23.43 | ng | | 99 |
| 46) 2-Chloronaphthalene | 10.62 | 162 | 257916 | 23.99 | ng | | 98 |
| 47) 2-Nitroaniline | 10.74 | 65 | 78760 | 24.35 | ng | | 87 |
| 48) Acenaphthylene | 11.13 | 152 | 443906 | 25.04 | ng | | 99 |
| 49) Dimethylphthalate | 10.98 | 163 | 292296 | 20.97 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 11.05 | 165 | 63509 | 23.14 | ng | # | 81 |
| 51) Acenaphthene | 11.35 | 154 | 267110 | 24.96 | ng | | 99 |
| 52) 3-Nitroaniline | 11.26 | 138 | 58008 | 17.92 | ng | # | 87 |
| 53) 2,4-Dinitrophenol | 11.38 | 184 | 50880 | 41.90 | ng | | 86 |
| 54) Dibenzofuran | 11.57 | 168 | 353599 | 23.12 | ng | | 94 |
| 55) 4-Nitrophenol | 11.45 | 139 | 119208 | 46.07 | ng | | 95 |
| 56) 2,4-Dinitrotoluene | 11.56 | 165 | 83860 | 23.25 | ng | | 94 |
| 57) Fluorene | 11.99 | 166 | 286168 | 23.14 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 11.72 | 232 | 64099 | 23.27 | ng | # | 90 |
| 59) Diethylphthalate | 11.86 | 149 | 286717 | 19.83 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 12.00 | 204 | 119070 | 22.39 | ng | # | 86 |
| 61) 4-Nitroaniline | 12.01 | 138 | 73696 | 22.78 | ng | | 84 |
| 62) Azobenzene | 12.20 | 77 | 289066 | 22.72 | ng | | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 12.05 | 198 | 33301 | 20.16 | ng | # | 41 |
| 65) n-Nitrosodiphenylamine | 12.14 | 169 | 234668 | 22.71 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 12.61 | 248 | 72041 | 23.44 | ng | # | 85 |
| 67) Hexachlorobenzene | 12.68 | 284 | 82240 | 23.56 | ng | # | 83 |
| 68) Atrazine | 12.81 | 200 | 69517 | 21.68 | ng | | 96 |
| 69) Pentachlorophenol | 12.92 | 266 | 96847 | 44.21 | ng | | 98 |
| 70) Phenanthrene | 13.19 | 178 | 430891 | 25.06 | ng | | 99 |
| 71) Anthracene | 13.26 | 178 | 455800 | 25.65 | ng | | 99 |
| 72) Carbazole | 13.45 | 167 | 412480 | 23.72 | ng | | 99 |
| 73) Di-n-butylphthalate | 13.90 | 149 | 480013 | 19.99 | ng | | 99 |
| 74) Fluoranthene | 14.68 | 202 | 440320 | 23.91 | ng | | 92 |
| 76) Benzidine | 14.84 | 184 | 233805m | 20.46 | ng | | |
| 77) Pyrene | 14.95 | 202 | 465333m | 22.27 | ng | | |
| 79) Butylbenzylphthalate | 15.76 | 149 | 211408 | 18.02 | ng | # | 77 |
| 80) Benzo(a)anthracene | 16.44 | 228 | 427395 | 22.64 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 16.41 | 252 | 69075 | 9.91 | ng | # | 96 |
| 82) Chrysene | 16.48 | 228 | 402061 | 24.62 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 16.48 | 149 | 310202 | 16.78 | ng | | 100 |
| 84) Di-n-octyl phthalate | 17.26 | 149 | 573938m | 17.64 | ng | | |
| 85) Indeno(1,2,3-cd)pyrene | 19.75 | 276 | 554428m | 27.99 | ng | | |
| 87) Benzo(b)fluoranthene | 17.73 | 252 | 522115 | 25.42 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 17.76 | 252 | 381433m | 20.69 | ng | | |
| 89) Benzo(a)pyrene | 18.13 | 252 | 447757 | 24.36 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 19.77 | 278 | 468555 | 24.41 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 20.22 | 276 | 473922 | 25.91 | ng | | 96 |

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

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