Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040115\
Data File : BF078172.D
Acq On : 2 Apr 2015 00:49
Operator : TP/IZ
Sample : PB82482BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB82482BS

Manual Integrations APPROVED
apatel
4/2/2015 5:51:23 PM

Quant Time: Apr 02 13:55:54 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 02 13:21:29 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.01 | 152 | 35628 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.59 | 136 | 150058 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.76 | 164 | 75286 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.59 | 188 | 143283 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 15.87 | 240 | 144698 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 17.56 | 264 | 138781 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.30 | 112 | 269816 | 124.86 | ng | | 0.00 |
| 7) Phenol-d6 | 6.60 | 99 | 331208 | 122.30 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.71 | 82 | 190949 | 77.13 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.74 | 330 | 84949 | 136.05 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.94 | 172 | 434343 | 82.47 | ng | | 0.00 |
| 78) Terphenyl-d14 | 14.59 | 244 | 504131 | 78.73 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.88 | 88 | 30409 | 31.12 | ng | | 97 |
| 3) Pyridine | 2.52 | 79 | 92878 | 36.29 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 2.45 | 42 | 42488m | 43.12 | ng | | |
| 6) Aniline | 6.61 | 93 | 61140 | 15.92 | ng | # | 39 |
| 8) 2-Chlorophenol | 6.75 | 128 | 109843 | 42.99 | ng | | 99 |
| 10) Phenol | 6.62 | 94 | 132169 | 40.73 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.72 | 93 | 102870 | 44.08 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.93 | 146 | 114170 | 40.68 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.04 | 146 | 115009 | 40.71 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 7.22 | 146 | 109596 | 41.37 | ng | | 99 |
| 15) Benzyl Alcohol | 7.21 | 79 | 81477 | 42.81 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.39 | 45 | 133942 | 43.03 | ng | | 100 |
| 17) 2-Methylphenol | 7.37 | 107 | 87183 | 43.95 | ng | | 99 |
| 18) Hexachloroethane | 7.64 | 117 | 39608 | 41.57 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 7.55 | 70 | 74161 | 41.51 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.56 | 107 | 114109 | 43.12 | ng | | 97 |
| 22) Acetophenone | 7.54 | 105 | 145527 | 41.62 | ng | | 98 |
| 24) Nitrobenzene | 7.73 | 77 | 103310 | 39.92 | ng | # | 79 |
| 25) Isophorone | 8.04 | 82 | 197255 | 41.98 | ng | | 99 |
| 26) 2-Nitrophenol | 8.13 | 139 | 53637 | 43.49 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 8.21 | 122 | 99022 | 43.18 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 8.33 | 93 | 131246 | 43.56 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.44 | 162 | 89396 | 42.85 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.53 | 180 | 95116 | 39.76 | ng | | 100 |
| 31) Naphthalene | 8.62 | 128 | 312963 | 40.07 | ng | | 99 |
| 32) Benzoic acid | 8.34 | 122 | 39320 | 37.85 | ng | | 97 |
| 33) 4-Chloroaniline | 8.70 | 127 | 57162 | 17.64 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.78 | 225 | 52580 | 40.03 | ng | | 98 |
| 35) Caprolactam | 9.13 | 113 | 26772 | 42.99 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 9.32 | 107 | 92799 | 44.08 | ng | | 97 |
| 37) 2-Methylnaphthalene | 9.48 | 142 | 222132 | 41.89 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.69 | 216 | 95731 | 41.04 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.68 | 237 | 90803 | 89.53 | ng | | 97 |
| 42) 2,4,6-Trichlorophenol | 9.84 | 196 | 62383 | 42.40 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.89 | 196 | 65541 | 42.64 | ng | # | 85 |
| 45) 1,1'-Biphenyl | 10.06 | 154 | 256582 | 41.67 | ng | | 99 |
| 46) 2-Chloronaphthalene | 10.08 | 162 | 202914 | 41.88 | ng | | 99 |
| 47) 2-Nitroaniline | 10.21 | 65 | 51835 | 43.24 | ng | | 99 |
| 48) Acenaphthylene | 10.59 | 152 | 329149 | 42.07 | ng | | 100 |
| 49) Dimethylphthalate | 10.45 | 163 | 233054 | 41.20 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 10.53 | 165 | 54256 | 46.62 | ng | | 98 |
| 51) Acenaphthene | 10.80 | 154 | 183218 | 41.59 | ng | | 99 |
| 52) 3-Nitroaniline | 10.73 | 138 | 32986 | 24.93 | ng | | 99 |
| 53) 2,4-Dinitrophenol | 10.86 | 184 | 37980 | 82.59 | ng | | 97 |
| 54) Dibenzofuran | 11.01 | 168 | 293311 | 43.59 | ng | | 100 |
| 55) 4-Nitrophenol | 10.97 | 139 | 80025 | 82.06 | ng | | 92 |
| 56) 2,4-Dinitrotoluene | 11.02 | 165 | 70192 | 46.57 | ng | | 95 |
| 57) Fluorene | 11.44 | 166 | 234805 | 43.05 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 11.17 | 232 | 54479m | 47.81 | ng | | |
| 59) Diethylphthalate | 11.33 | 149 | 234109 | 42.93 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 11.46 | 204 | 106130 | 42.30 | ng | | 96 |
| 61) 4-Nitroaniline | 11.48 | 138 | 54320 | 40.61 | ng | | 99 |
| 62) Azobenzene | 11.64 | 77 | 221603 | 44.52 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 11.52 | 198 | 26884 | 39.62 | ng | | 95 |
| 65) n-Nitrosodiphenylamine | 11.61 | 169 | 209908 | 42.35 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 12.05 | 248 | 65454 | 43.13 | ng | | 97 |
| 67) Hexachlorobenzene | 12.11 | 284 | 71154 | 42.79 | ng | | 99 |
| 68) Atrazine | 12.28 | 200 | 65449 | 45.59 | ng | | 98 |
| 69) Pentachlorophenol | 12.36 | 266 | 60994 | 82.45 | ng | | 98 |
| 70) Phenanthrene | 12.63 | 178 | 361970 | 43.67 | ng | | 99 |
| 71) Anthracene | 12.68 | 178 | 354883 | 43.45 | ng | | 98 |
| 72) Carbazole | 12.90 | 167 | 338874 | 44.27 | ng | | 99 |
| 73) Di-n-butylphthalate | 13.36 | 149 | 381540 | 44.00 | ng | | 99 |
| 74) Fluoranthene | 14.09 | 202 | 373176 | 42.69 | ng | | 98 |
| 76) Benzidine | 14.28 | 184 | 137452 | 24.67 | ng | | 99 |
| 77) Pyrene | 14.37 | 202 | 404785 | 44.56 | ng | | 99 |
| 79) Butylbenzylphthalate | 15.21 | 149 | 161694 | 46.70 | ng | | 98 |
| 80) Benzo(a)anthracene | 15.86 | 228 | 362349 | 42.09 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 15.84 | 252 | 47974 | 16.64 | ng | # | 96 |
| 82) Chrysene | 15.89 | 228 | 335598 | 41.49 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 15.93 | 149 | 246128 | 45.33 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 16.71 | 149 | 423273 | 47.47 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 18.87 | 276 | 391896 | 42.70 | ng | # | 87 |
| 87) Benzo(b)fluoranthene | 17.13 | 252 | 348227 | 40.60 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 17.16 | 252 | 357127m | 46.85 | ng | | |
| 89) Benzo(a)pyrene | 17.49 | 252 | 338651 | 45.24 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 18.90 | 278 | 323842 | 43.21 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 19.25 | 276 | 325316 | 43.29 | ng | | 96 |

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

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