Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090315\
Data File : BF081411.D
Acq On : 4 Sep 2015 9:26
Operator : UM/IZ
Sample : G3505-03MSD
Misc :
ALS Vial : 33 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P005-BF001-01MSD

**Manual Integrations APPROVED**
MMDadoda
9/4/2015 2:51:55 PM

Quant Time: Sep 04 11:54:26 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 01 17:35:35 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.36 | 152 | 55005 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 7.66 | 136 | 205102 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.40 | 164 | 100225 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 10.87 | 188 | 191648 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.47 | 240 | 123691 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 14.78 | 264 | 91580 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.92 | 112 | 455918 | 128.60 | ng | | 0.00 |
| 7) Phenol-d6 | 6.04 | 99 | 619520 | 132.02 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 6.95 | 82 | 401663 | 94.48 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.19 | 330 | 128474 | 143.96 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 8.74 | 172 | 632323 | 80.85 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.45 | 244 | 509737 | 95.93 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.75 | 88 | 56177 | 35.28 | ng | # | 89 |
| 4) n-Nitrosodimethylamine | 2.25 | 42 | 104274 | 42.75 | ng | # | 74 |
| 6) Aniline | 6.03 | 93 | 66710 | 10.07 | ng | # | 55 |
| 8) 2-Chlorophenol | 6.16 | 128 | 175152 | 44.83 | ng | | 92 |
| 9) Benzaldehyde | 5.91 | 77 | 24672 | 8.39 | ng | # | 83 |
| 10) Phenol | 6.06 | 94 | 203189 | 37.34 | ng | # | 49 |
| 11) bis(2-Chloroethyl)ether | 6.12 | 93 | 175475 | 44.69 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 6.31 | 146 | 185611 | 44.47 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 6.39 | 146 | 184391 | 43.39 | ng | # | 90 |
| 14) 1,2-Dichlorobenzene | 6.54 | 146 | 153675 | 40.16 | ng | # | 86 |
| 15) Benzyl Alcohol | 6.54 | 79 | 157217 | 40.84 | ng | # | 72 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.67 | 45 | 332199 | 44.14 | ng | # | 9 |
| 17) 2-Methylphenol | 6.67 | 107 | 144297 | 46.29 | ng | # | 75 |
| 18) Hexachloroethane | 6.88 | 117 | 70607 | 42.70 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 6.81 | 70 | 136059 | 42.60 | ng | # | 86 |
| 20) 3+4-Methylphenols | 6.83 | 107 | 186160 | 44.29 | ng | | 88 |
| 22) Acetophenone | 6.80 | 105 | 261062 | 46.60 | ng | # | 78 |
| 24) Nitrobenzene | 6.97 | 77 | 227784 | 51.60 | ng | # | 67 |
| 25) Isophorone | 7.21 | 82 | 338049 | 42.75 | ng | # | 81 |
| 26) 2-Nitrophenol | 7.29 | 139 | 93539 | 48.61 | ng | # | 66 |
| 27) 2,4-Dimethylphenol | 7.35 | 122 | 131362 | 39.53 | ng | # | 73 |
| 28) bis(2-Chloroethoxy)methane | 7.44 | 93 | 206108 | 45.13 | ng | # | 92 |
| 29) 2,4-Dichlorophenol | 7.54 | 162 | 139459 | 48.39 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.61 | 180 | 152199 | 48.61 | ng | | 99 |
| 31) Naphthalene | 7.68 | 128 | 471071 | 43.07 | ng | | 98 |
| 32) Benzoic acid | 7.44 | 122 | 6190 | 5.01 | ng | # | 59 |
| 33) 4-Chloroaniline | 7.75 | 127 | 54387 | 12.19 | ng | # | 86 |
| 34) Hexachlorobutadiene | 7.80 | 225 | 85098 | 44.66 | ng | | 96 |
| 35) Caprolactam | 8.12 | 113 | 26859m | 30.39 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.25 | 107 | 150977 | 46.80 | ng | # | 69 |
| 37) 2-Methylnaphthalene | 8.38 | 142 | 335596 | 47.15 | ng | # | 90 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.55 | 216 | 131565 | 41.51 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.52 | 237 | 102383 | 65.82 | ng | | 94 |
| 42) 2,4,6-Trichlorophenol | 8.66 | 196 | 90446 | 41.35 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 8.71 | 196 | 93805 | 42.03 | ng | # | 83 |
| 45) 1,1'-Biphenyl | 8.84 | 154 | 403820 | 43.79 | ng | | 94 |
| 46) 2-Chloronaphthalene | 8.86 | 162 | 281726 | 42.31 | ng | # | 88 |
| 47) 2-Nitroaniline | 8.97 | 65 | 127065 | 46.82 | ng | # | 76 |
| 48) Acenaphthylene | 9.27 | 152 | 496486 | 42.03 | ng | | 98 |
| 49) Dimethylphthalate | 9.16 | 163 | 483497 | 62.09 | ng | # | 97 |
| 50) 2,6-Dinitrotoluene | 9.21 | 165 | 65446 | 37.03 | ng | # | 1 |
| 51) Acenaphthene | 9.44 | 154 | 300289 | 44.68 | ng | | 90 |
| 52) 3-Nitroaniline | 9.38 | 138 | 58170 | 28.91 | ng | # | 87 |
| 53) 2,4-Dinitrophenol | 9.48 | 184 | 29343 | 39.42 | ng | # | 19 |
| 54) Dibenzofuran | 9.61 | 168 | 448707 | 45.73 | ng | # | 92 |
| 55) 4-Nitrophenol | 9.58 | 139 | 113604 | 89.87 | ng | # | 36 |
| 56) 2,4-Dinitrotoluene | 9.61 | 165 | 88330 | 39.25 | ng | # | 24 |
| 57) Fluorene | 9.94 | 166 | 307855 | 41.34 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.74 | 232 | 81323 | 47.73 | ng | | 97 |
| 59) Diethylphthalate | 9.85 | 149 | 323019 | 39.44 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 9.95 | 204 | 159084 | 45.84 | ng | | 96 |
| 61) 4-Nitroaniline | 9.99 | 138 | 75038 | 36.91 | ng | # | 27 |
| 62) Azobenzene | 10.10 | 77 | 383058 | 42.06 | ng | | 82 |
| 64) 4,6-Dinitro-2-methylphenol | 10.02 | 198 | 36682 | 34.22 | ng | # | 77 |
| 65) n-Nitrosodiphenylamine | 10.07 | 169 | 263923 | 37.85 | ng | | 91 |
| 66) 4-Bromophenyl-phenylether | 10.43 | 248 | 88065 | 45.45 | ng | | 94 |
| 67) Hexachlorobenzene | 10.49 | 284 | 85840 | 42.37 | ng | # | 77 |
| 68) Atrazine | 10.62 | 200 | 86725 | 42.97 | ng | | 81 |
| 69) Pentachlorophenol | 10.68 | 266 | 77532 | 78.76 | ng | | 98 |
| 70) Phenanthrene | 10.89 | 178 | 458162 | 43.00 | ng | | 97 |
| 71) Anthracene | 10.95 | 178 | 443377 | 40.50 | ng | | 99 |
| 72) Carbazole | 11.11 | 167 | 451378 | 43.94 | ng | | 96 |
| 73) Di-n-butylphthalate | 11.46 | 149 | 551618 | 45.48 | ng | # | 99 |
| 74) Fluoranthene | 12.06 | 202 | 483515 | 41.92 | ng | | 92 |
| 77) Pyrene | 12.29 | 202 | 505908 | 55.22 | ng | | 99 |
| 79) Butylbenzylphthalate | 12.94 | 149 | 210004 | 52.70 | ng | | 92 |
| 80) Benzo(a)anthracene | 13.46 | 228 | 335300 | 42.57 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 13.44 | 252 | 57937 | 21.80 | ng | # | 95 |
| 82) Chrysene | 13.50 | 228 | 267723 | 37.92 | ng | | 96 |
| 83) Bis(2-ethylhexyl)phthalate | 13.50 | 149 | 250931 | 47.72 | ng | # | 89 |
| 84) Di-n-octyl phthalate | 14.10 | 149 | 350840 | 40.52 | ng | # | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 15.86 | 276 | 272439 | 52.59 | ng | # | 87 |
| 87) Benzo(b)fluoranthene | 14.46 | 252 | 323077m | 49.41 | ng | | |
| 88) Benzo(k)fluoranthene | 14.48 | 252 | 214203m | 39.48 | ng | | |
| 89) Benzo(a)pyrene | 14.73 | 252 | 248999 | 44.94 | ng | # | 87 |
| 90) Dibenzo(a,h)anthracene | 15.87 | 278 | 222176 | 51.90 | ng | # | 81 |
| 91) Benzo(g,h,i)perylene | 16.18 | 276 | 224585 | 54.96 | ng | # | 75 |

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

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