Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082515\
Data File : BF081203.D
Acq On : 25 Aug 2015 17:29
Operator : UM/IZ
Sample : G3407-11MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P003-BF003-01MS

Quant Time: Aug 26 15:21:17 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 24 13:58:19 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.53 | 152 | 71420 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 7.82 | 136 | 279824 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.56 | 164 | 123039 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.03 | 188 | 244660 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.65 | 240 | 205912 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 14.97 | 264 | 164143 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.10 | 112 | 465112 | 97.95 | ng | | 0.00 |
| 7) Phenol-d6 | 6.18 | 99 | 621750 | 100.36 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.10 | 82 | 391619 | 63.93 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.34 | 330 | 97633 | 91.54 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 8.89 | 172 | 637270 | 67.86 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.61 | 244 | 589832 | 61.41 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.99 | 88 | 61887 | 27.66 | ng | | 94 |
| 3) Pyridine | 2.60 | 79 | 165286 | 26.17 | ng | # | 80 |
| 4) n-Nitrosodimethylamine | 2.55 | 42 | 102194 | 29.06 | ng | # | 76 |
| 6) Aniline | 6.18 | 93 | 190116 | 21.10 | ng | # | 51 |
| 8) 2-Chlorophenol | 6.31 | 128 | 172037 | 33.10 | ng | | 97 |
| 9) Benzaldehyde | 6.07 | 77 | 38446 | 9.63 | ng | | 90 |
| 10) Phenol | 6.20 | 94 | 253167 | 34.60 | ng | | 85 |
| 11) bis(2-Chloroethyl)ether | 6.28 | 93 | 175033 | 31.18 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.47 | 146 | 175038 | 31.34 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 6.55 | 146 | 173648 | 31.40 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.70 | 146 | 168340 | 32.53 | ng | | 96 |
| 15) Benzyl Alcohol | 6.69 | 79 | 168951 | 33.71 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.82 | 45 | 330002 | 29.91 | ng | | 99 |
| 17) 2-Methylphenol | 6.81 | 107 | 142367 | 31.92 | ng | | 94 |
| 18) Hexachloroethane | 7.04 | 117 | 71258 | 31.89 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 6.96 | 70 | 135743 | 31.63 | ng | | 89 |
| 20) 3+4-Methylphenols | 6.96 | 107 | 172800 | 30.53 | ng | # | 52 |
| 22) Acetophenone | 6.95 | 105 | 248798 | 33.87 | ng | # | 86 |
| 24) Nitrobenzene | 7.12 | 77 | 222325 | 34.71 | ng | | 97 |
| 25) Isophorone | 7.36 | 82 | 351799 | 30.80 | ng | | 99 |
| 26) 2-Nitrophenol | 7.44 | 139 | 89264 | 33.51 | ng | # | 61 |
| 27) 2,4-Dimethylphenol | 7.49 | 122 | 137001 | 29.07 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 7.59 | 93 | 216532 | 32.09 | ng | # | 99 |
| 29) 2,4-Dichlorophenol | 7.68 | 162 | 138291 | 34.86 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 7.76 | 180 | 145956 | 33.10 | ng | | 99 |
| 31) Naphthalene | 7.84 | 128 | 482878 | 30.96 | ng | | 99 |
| 32) Benzoic acid | 7.57 | 122 | 6980m | 2.63 | ng | | |
| 33) 4-Chloroaniline | 7.90 | 127 | 117247 | 17.81 | ng | # | 82 |
| 34) Hexachlorobutadiene | 7.96 | 225 | 79162 | 31.75 | ng | | 100 |
| 35) Caprolactam | 8.26 | 113 | 47875m | 34.53 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.39 | 107 | 151487 | 32.04 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.53 | 142 | 322058 | 32.69 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.70 | 216 | 134160 | 33.80 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.69 | 237 | 145118 | 70.63 | ng | | 99 |

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Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P003-BF003-01MS

Quant Time: Aug 26 15:21:17 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.81 | 196 | 90937 | 32.43 | ng | | 94 |
| 43) 2,4,5-Trichlorophenol | 8.86 | 196 | 94148 | 33.59 | ng | | 98 |
| 45) 1,1'-Biphenyl | 9.00 | 154 | 409920 | 37.82 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.01 | 162 | 278548 | 31.99 | ng | # | 90 |
| 47) 2-Nitroaniline | 9.11 | 65 | 111512 | 31.30 | ng | | 98 |
| 48) Acenaphthylene | 9.42 | 152 | 434315 | 27.89 | ng | | 99 |
| 49) Dimethylphthalate | 9.30 | 163 | 422586 | 41.70 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.36 | 165 | 64533 | 29.66 | ng | # | 68 |
| 51) Acenaphthene | 9.59 | 154 | 263974 | 28.31 | ng | | 99 |
| 52) 3-Nitroaniline | 9.52 | 138 | 60282 | 22.14 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 9.64 | 184 | 53960 | 49.20 | ng | # | 65 |
| 54) Dibenzofuran | 9.76 | 168 | 383728 | 30.71 | ng | | 91 |
| 55) 4-Nitrophenol | 9.70 | 139 | 118334 | 61.89 | ng | # | 79 |
| 56) 2,4-Dinitrotoluene | 9.76 | 165 | 88019 | 30.52 | ng | # | 68 |
| 57) Fluorene | 10.10 | 166 | 305059 | 31.74 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.89 | 232 | 74408m | 34.30 | ng | | |
| 59) Diethylphthalate | 10.00 | 149 | 337008 | 31.42 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.10 | 204 | 137198 | 33.73 | ng | | 100 |
| 61) 4-Nitroaniline | 10.14 | 138 | 88471 | 31.79 | ng | | 92 |
| 62) Azobenzene | 10.26 | 77 | 431964 | 34.95 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.17 | 198 | 47365 | 32.42 | ng | # | 42 |
| 65) n-Nitrosodiphenylamine | 10.23 | 169 | 289122 | 33.11 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.58 | 248 | 77036 | 32.05 | ng | # | 62 |
| 67) Hexachlorobenzene | 10.65 | 284 | 79981 | 32.86 | ng | # | 82 |
| 68) Atrazine | 10.76 | 200 | 78587 | 32.30 | ng | | 97 |
| 69) Pentachlorophenol | 10.85 | 266 | 90597 | 62.03 | ng | | 97 |
| 70) Phenanthrene | 11.05 | 178 | 412946 | 28.48 | ng | | 99 |
| 71) Anthracene | 11.11 | 178 | 460145 | 32.61 | ng | | 99 |
| 72) Carbazole | 11.27 | 167 | 446854 | 32.89 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.61 | 149 | 542360 | 32.99 | ng | | 99 |
| 74) Fluoranthene | 12.23 | 202 | 492777 | 31.49 | ng | | 95 |
| 76) Benzidine | 12.37 | 184 | 231656 | 29.78 | ng | | 97 |
| 77) Pyrene | 12.45 | 202 | 498519 | 29.78 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.10 | 149 | 240088 | 33.37 | ng | | 95 |
| 80) Benzo(a)anthracene | 13.64 | 228 | 415016 | 30.05 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.61 | 252 | 87955 | 19.66 | ng | # | 96 |
| 82) Chrysene | 13.67 | 228 | 322824 | 25.94 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.66 | 149 | 321083 | 34.84 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 14.27 | 149 | 534090 | 38.13 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.14 | 276 | 289731 | 33.16 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 14.63 | 252 | 437176m | 37.65 | ng | | |
| 88) Benzo(k)fluoranthene | 14.65 | 252 | 275620m | 25.48 | ng | | |
| 89) Benzo(a)pyrene | 14.93 | 252 | 332393 | 32.86 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 16.16 | 278 | 242450 | 30.76 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 16.49 | 276 | 235783 | 29.48 | ng | # | 91 |

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

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