Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080220.D
Acq On : 29 Jun 2015 23:22
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040

**Manual Integrations APPROVED**
TEJASKUMAR
6/30/2015 2:18:57 PM

Quant Time: Jun 30 11:13:26 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 23 00:53:56 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.29 | 152 | 47146 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 8.58 | 136 | 191180 | 20.00 | ng | | -0.03 |
| 38) Acenaphthene-d10 | 10.36 | 164 | 100049 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 11.86 | 188 | 208506 | 20.00 | ng | | -0.05 |
| 75) Chrysene-d12 | 14.80 | 240 | 194500 | 20.00 | ng | | -0.19 |
| 86) Perylene-d12 | 16.67 | 264 | 196808 | 20.00 | ng | | -0.26 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.90 | 112 | 212653 | 79.84 | ng | | -0.03 |
| 7) Phenol-d6 | 6.90 | 99 | 291106 | 82.14 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.85 | 82 | 279002 | 84.96 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 11.16 | 330 | 80853 | 82.64 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.66 | 172 | 511038 | 72.84 | ng | | -0.03 |
| 78) Terphenyl-d14 | 13.54 | 244 | 681651 | 81.85 | ng | | -0.13 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.12 | 88 | 44878m | 35.45 | ng | | |
| 3) Pyridine | 3.96 | 79 | 115908 | 34.43 | ng | # | 82 |
| 4) n-Nitrosodimethylamine | 3.86 | 42 | 64436 | 40.27 | ng | | 95 |
| 6) Aniline | 6.95 | 93 | 209956 | 43.06 | ng | | 92 |
| 8) 2-Chlorophenol | 7.08 | 128 | 127112 | 41.29 | ng | | 89 |
| 9) Benzaldehyde | 6.84 | 77 | 73259 | 35.81 | ng | # | 70 |
| 10) Phenol | 6.92 | 94 | 168124 | 43.47 | ng | | 83 |
| 11) bis(2-Chloroethyl)ether | 7.02 | 93 | 111921 | 36.47 | ng | | 85 |
| 12) 1,3-Dichlorobenzene | 7.24 | 146 | 147361 | 39.85 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 7.32 | 146 | 151031 | 42.95 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 7.46 | 146 | 132771m | 38.80 | ng | | |
| 15) Benzyl Alcohol | 7.42 | 79 | 111362 | 38.43 | ng | # | 74 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.57 | 45 | 199204 | 43.74 | ng | | 84 |
| 17) 2-Methylphenol | 7.53 | 107 | 107194 | 40.77 | ng | # | 89 |
| 18) Hexachloroethane | 7.82 | 117 | 50010 | 42.71 | ng | # | 80 |
| 19) n-Nitroso-di-n-propylamine | 7.69 | 70 | 105243 | 42.77 | ng | # | 77 |
| 20) 3+4-Methylphenols | 7.68 | 107 | 145442 | 42.86 | ng | | 90 |
| 22) Acetophenone | 7.69 | 105 | 172264 | 38.67 | ng | # | 80 |
| 24) Nitrobenzene | 7.88 | 77 | 142782 | 42.12 | ng | # | 77 |
| 25) Isophorone | 8.10 | 82 | 247793 | 37.49 | ng | # | 83 |
| 26) 2-Nitrophenol | 8.20 | 139 | 69730 | 49.15 | ng | # | 78 |
| 27) 2,4-Dimethylphenol | 8.22 | 122 | 125201 | 42.32 | ng | # | 83 |
| 28) bis(2-Chloroethoxy)methane | 8.31 | 93 | 146997 | 37.86 | ng | # | 91 |
| 29) 2,4-Dichlorophenol | 8.44 | 162 | 113557 | 44.82 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.53 | 180 | 133099 | 46.26 | ng | | 98 |
| 31) Naphthalene | 8.61 | 128 | 394070m | 39.42 | ng | | |
| 32) Benzoic acid | 8.29 | 122 | 55869 | 31.23 | ng | # | 64 |
| 33) 4-Chloroaniline | 8.64 | 127 | 151360 | 35.38 | ng | # | 82 |
| 34) Hexachlorobutadiene | 8.73 | 225 | 70382 | 39.73 | ng | | 100 |
| 35) Caprolactam | 9.00 | 113 | 36642 | 44.56 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 9.12 | 107 | 114583 | 40.10 | ng | | 92 |
| 37) 2-Methylnaphthalene | 9.30 | 142 | 279185 | 43.18 | ng | # | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.48 | 216 | 126413 | 43.42 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.46 | 237 | 44317 | 33.52 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.58 | 196 | 88704 | 44.78 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.61 | 196 | 87157 | 38.19 | ng | # | 87 |
| 45) 1,1'-Biphenyl | 9.76 | 154 | 304882 | 37.45 | ng | | 91 |
| 46) 2-Chloronaphthalene | 9.80 | 162 | 263194 | 39.85 | ng | | 93 |
| 47) 2-Nitroaniline | 9.88 | 65 | 72093 | 39.76 | ng | # | 57 |
| 48) Acenaphthylene | 10.22 | 152 | 458352 | 41.58 | ng | | 97 |
| 49) Dimethylphthalate | 10.06 | 163 | 311730 | 41.44 | ng | # | 97 |
| 50) 2,6-Dinitrotoluene | 10.12 | 165 | 60086 | 39.85 | ng | # | 38 |
| 51) Acenaphthene | 10.39 | 154 | 264451 | 39.21 | ng | | 89 |
| 52) 3-Nitroaniline | 10.30 | 138 | 72272 | 41.54 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 10.40 | 184 | 24323 | 42.57 | ng | # | 1 |
| 54) Dibenzofuran | 10.56 | 168 | 363254 | 37.96 | ng | # | 89 |
| 55) 4-Nitrophenol | 10.44 | 139 | 52297 | 37.61 | ng | # | 37 |
| 56) 2,4-Dinitrotoluene | 10.53 | 165 | 88354 | 46.17 | ng | # | 79 |
| 57) Fluorene | 10.92 | 166 | 299065 | 39.39 | ng | | 91 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.68 | 232 | 73423 | 38.11 | ng | | 98 |
| 59) Diethylphthalate | 10.76 | 149 | 284721 | 37.59 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.89 | 204 | 142105 | 38.94 | ng | # | 88 |
| 61) 4-Nitroaniline | 10.90 | 138 | 69491 | 38.67 | ng | # | 41 |
| 62) Azobenzene | 11.05 | 77 | 296687 | 38.48 | ng | | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 10.94 | 198 | 35704 | 37.29 | ng | # | 74 |
| 65) n-Nitrosodiphenylamine | 11.01 | 169 | 256835 | 37.83 | ng | | 93 |
| 66) 4-Bromophenyl-phenylether | 11.40 | 248 | 86246 | 38.90 | ng | # | 84 |
| 67) Hexachlorobenzene | 11.48 | 284 | 93904 | 38.11 | ng | # | 77 |
| 68) Atrazine | 11.53 | 200 | 86969 | 40.54 | ng | | 83 |
| 69) Pentachlorophenol | 11.66 | 266 | 47631 | 34.11 | ng | | 97 |
| 70) Phenanthrene | 11.89 | 178 | 474863 | 37.62 | ng | | 97 |
| 71) Anthracene | 11.94 | 178 | 460850 | 37.92 | ng | | 99 |
| 72) Carbazole | 12.09 | 167 | 441688 | 38.06 | ng | | 96 |
| 73) Di-n-butylphthalate | 12.42 | 149 | 446278 | 33.29 | ng | | 98 |
| 74) Fluoranthene | 13.14 | 202 | 495456 | 36.85 | ng | | 89 |
| 76) Benzidine | 13.26 | 184 | 240974 | 44.32 | ng | | 98 |
| 77) Pyrene | 13.40 | 202 | 495680 | 41.39 | ng | | 97 |
| 79) Butylbenzylphthalate | 14.08 | 149 | 188443 | 39.19 | ng | | 89 |
| 80) Benzo(a)anthracene | 14.79 | 228 | 450507 | 38.02 | ng | | 95 |
| 81) 3,3'-Dichlorobenzidine | 14.73 | 252 | 152666 | 37.36 | ng | # | 96 |
| 82) Chrysene | 14.84 | 228 | 426580 | 39.04 | ng | | 94 |
| 83) Bis(2-ethylhexyl)phthalate | 14.77 | 149 | 270633 | 35.61 | ng | # | 93 |
| 84) Di-n-octyl phthalate | 15.57 | 149 | 438756 | 33.69 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 18.51 | 276 | 558571 | 40.54 | ng | # | 88 |
| 87) Benzo(b)fluoranthene | 16.13 | 252 | 469607 | 39.41 | ng | # | 89 |
| 88) Benzo(k)fluoranthene | 16.16 | 252 | 446059 | 36.76 | ng | # | 91 |
| 89) Benzo(a)pyrene | 16.59 | 252 | 445636 | 39.38 | ng | # | 88 |
| 90) Dibenzo(a,h)anthracene | 18.53 | 278 | 459466 | 39.67 | ng | # | 80 |
| 91) Benzo(g,h,i)perylene | 19.05 | 276 | 465306 | 39.79 | ng | # | 77 |

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

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