Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079599.D
Acq On : 30 May 2015 13:14
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
apatel
6/1/2015 8:46:00 PM

Quant Time: May 31 06:32:59 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 29 17:35:14 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.94 | 152 | 73369 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.51 | 136 | 300167 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 10.67 | 164 | 141148 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 12.51 | 188 | 258513 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 15.78 | 240 | 261353 | 20.00 | ng | | -0.06 |
| 86) Perylene-d12 | 17.52 | 264 | 283938 | 20.00 | ng | | -0.15 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.20 | 112 | 356115 | 84.19 | ng | | -0.03 |
| 7) Phenol-d6 | 6.54 | 99 | 450471 | 83.55 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.63 | 82 | 418325 | 80.56 | ng | | -0.03 |
| 41) 2,4,6-Tribromophenol | 11.66 | 330 | 129476 | 83.52 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 9.86 | 172 | 820665 | 82.95 | ng | | -0.02 |
| 78) Terphenyl-d14 | 14.50 | 244 | 908405 | 81.57 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.74 | 88 | 111315 | 55.32 | ng | # | 100 |
| 3) Pyridine | 2.36 | 79 | 184992 | 41.75 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 2.30 | 42 | 94873 | 43.49 | ng | | 84 |
| 6) Aniline | 6.52 | 93 | 311961 | 40.77 | ng | | 95 |
| 8) 2-Chlorophenol | 6.67 | 128 | 200291 | 40.68 | ng | | 93 |
| 9) Benzaldehyde | 6.38 | 77 | 123889 | 41.55 | ng | | 93 |
| 10) Phenol | 6.55 | 94 | 266396 | 41.96 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.64 | 93 | 196153 | 42.72 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.86 | 146 | 222542 | 40.79 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 6.96 | 146 | 226720 | 40.74 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.14 | 146 | 206060 | 39.87 | ng | | 96 |
| 15) Benzyl Alcohol | 7.14 | 79 | 163244 | 41.20 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.31 | 45 | 267914 | 39.86 | ng | | 99 |
| 17) 2-Methylphenol | 7.29 | 107 | 155935 | 40.31 | ng | | 98 |
| 18) Hexachloroethane | 7.55 | 117 | 77231 | 40.32 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 7.47 | 70 | 152996 | 40.33 | ng | # | 86 |
| 20) 3+4-Methylphenols | 7.50 | 107 | 215849 | 40.60 | ng | | 99 |
| 22) Acetophenone | 7.45 | 105 | 274826 | 40.87 | ng | # | 99 |
| 24) Nitrobenzene | 7.66 | 77 | 201712 | 39.41 | ng | | 99 |
| 25) Isophorone | 7.96 | 82 | 386388 | 40.82 | ng | | 98 |
| 26) 2-Nitrophenol | 8.06 | 139 | 105085 | 43.37 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 8.14 | 122 | 179999 | 41.32 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 8.25 | 93 | 247439 | 42.18 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 8.36 | 162 | 161957 | 40.59 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.44 | 180 | 168611 | 40.74 | ng | | 97 |
| 31) Naphthalene | 8.54 | 128 | 573962 | 39.84 | ng | | 99 |
| 32) Benzoic acid | 8.28 | 122 | 108380 | 40.10 | ng | | 97 |
| 33) 4-Chloroaniline | 8.63 | 127 | 253903 | 42.19 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.70 | 225 | 97599 | 41.46 | ng | | 97 |
| 35) Caprolactam | 9.06 | 113 | 49849 | 39.62 | ng | # | 83 |
| 36) 4-Chloro-3-methylphenol | 9.26 | 107 | 162558 | 39.28 | ng | # | 73 |
| 37) 2-Methylnaphthalene | 9.39 | 142 | 395084 | 39.50 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.60 | 216 | 163442 | 41.40 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 9.59 | 237 | 27736 | 35.10 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.76 | 196 | 114727 | 41.62 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.82 | 196 | 117052 | 42.66 | ng | | 93 |
| 45) 1,1'-Biphenyl | 9.98 | 154 | 455182 | 41.29 | ng | | 97 |
| 46) 2-Chloronaphthalene | 10.00 | 162 | 357064 | 41.01 | ng | | 95 |
| 47) 2-Nitroaniline | 10.14 | 65 | 100987 | 39.01 | ng | # | 86 |
| 48) Acenaphthylene | 10.50 | 152 | 601148 | 41.59 | ng | | 99 |
| 49) Dimethylphthalate | 10.38 | 163 | 406252 | 39.06 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 10.46 | 165 | 88230 | 42.46 | ng | | 98 |
| 51) Acenaphthene | 10.72 | 154 | 344540 | 41.69 | ng | | 99 |
| 52) 3-Nitroaniline | 10.65 | 138 | 109965 | 40.69 | ng | | 91 |
| 53) 2,4-Dinitrophenol | 10.80 | 184 | 28659 | 44.65 | ng | | 97 |
| 54) Dibenzofuran | 10.94 | 168 | 506353 | 41.54 | ng | | 93 |
| 55) 4-Nitrophenol | 10.90 | 139 | 49657m | 33.13 | ng | | |
| 56) 2,4-Dinitrotoluene | 10.95 | 165 | 117829 | 42.28 | ng | | 99 |
| 57) Fluorene | 11.36 | 166 | 407723 | 40.58 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 11.10 | 232 | 86743 | 43.44 | ng | # | 100 |
| 59) Diethylphthalate | 11.26 | 149 | 414884 | 40.75 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 11.37 | 204 | 182786 | 42.10 | ng | | 90 |
| 61) 4-Nitroaniline | 11.40 | 138 | 98586 | 39.16 | ng | | 95 |
| 62) Azobenzene | 11.56 | 77 | 383201 | 38.70 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 11.45 | 198 | 51697 | 40.79 | ng | | 95 |
| 65) n-Nitrosodiphenylamine | 11.52 | 169 | 352734 | 41.08 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 11.98 | 248 | 115808 | 43.50 | ng | # | 89 |
| 67) Hexachlorobenzene | 12.02 | 284 | 126243 | 41.59 | ng | # | 79 |
| 68) Atrazine | 12.20 | 200 | 97627 | 42.09 | ng | | 98 |
| 69) Pentachlorophenol | 12.28 | 266 | 47110 | 40.52 | ng | | 95 |
| 70) Phenanthrene | 12.54 | 178 | 578239 | 40.77 | ng | | 99 |
| 71) Anthracene | 12.61 | 178 | 597801 | 41.52 | ng | | 99 |
| 72) Carbazole | 12.82 | 167 | 567110 | 40.91 | ng | | 97 |
| 73) Di-n-butylphthalate | 13.28 | 149 | 695250 | 44.85 | ng | | 99 |
| 74) Fluoranthene | 14.01 | 202 | 642522 | 42.25 | ng | | 98 |
| 76) Benzidine | 14.21 | 184 | 277551 | 49.58 | ng | | 98 |
| 77) Pyrene | 14.29 | 202 | 647662 | 40.00 | ng | | 100 |
| 79) Butylbenzylphthalate | 15.13 | 149 | 316513 | 43.47 | ng | | 92 |
| 80) Benzo(a)anthracene | 15.77 | 228 | 606500 | 40.34 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 15.76 | 252 | 230865 | 41.93 | ng | # | 98 |
| 82) Chrysene | 15.82 | 228 | 579878 | 40.58 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 15.85 | 149 | 471574 | 45.21 | ng | | 99 |
| 84) Di-n-octyl phthalate | 16.65 | 149 | 849104 | 46.77 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 18.81 | 276 | 786783 | 42.80 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 17.07 | 252 | 753779 | 46.55 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 17.11 | 252 | 512437m | 35.39 | ng | | |
| 89) Benzo(a)pyrene | 17.45 | 252 | 604121 | 42.43 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 18.83 | 278 | 658611 | 44.31 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 19.19 | 276 | 646367 | 43.58 | ng | | 96 |

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

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