Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
Data File : BF079338.D
Acq On : 19 May 2015 7:48
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040EC

Quant Time: May 19 08:26:16 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 19 07:20:28 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.18 | 152 | 73806 | 20.00 | ng | | 0.01 |
| 21) Naphthalene-d8 | 8.75 | 136 | 305589 | 20.00 | ng | | 0.01 |
| 38) Acenaphthene-d10 | 10.93 | 164 | 151739 | 20.00 | ng | | 0.01 |
| 63) Phenanthrene-d10 | 12.77 | 188 | 292840 | 20.00 | ng | | 0.01 |
| 75) Chrysene-d12 | 16.06 | 240 | 293586 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 17.82 | 264 | 306475 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 328210m | 76.55 | ng | | 0.01 |
| 7) Phenol-d6 | 6.74 | 99 | 435467 | 76.84 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.87 | 82 | 417067 | 78.44 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 11.91 | 330 | 132957 | 81.00 | ng | | 0.01 |
| 44) 2-Fluorobiphenyl | 10.09 | 172 | 789251 | 72.47 | ng | | 0.00 |
| 78) Terphenyl-d14 | 14.77 | 244 | 918794 | 74.93 | ng | | 0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.04 | 88 | 70700m | 37.92 | ng | | |
| 3) Pyridine | 2.74 | 79 | 189164m | 34.67 | ng | | |
| 4) n-Nitrosodimethylamine | 2.67 | 42 | 86756m | 37.11 | ng | | |
| 6) Aniline | 6.76 | 93 | 298708 | 37.34 | ng | # | 40 |
| 8) 2-Chlorophenol | 6.90 | 128 | 190576 | 39.19 | ng | | 92 |
| 9) Benzaldehyde | 6.62 | 77 | 130597 | 34.20 | ng | | 97 |
| 10) Phenol | 6.76 | 94 | 253909 | 38.62 | ng | # | 66 |
| 11) bis(2-Chloroethyl)ether | 6.87 | 93 | 180255 | 37.40 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.10 | 146 | 210545 | 38.52 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.19 | 146 | 207072 | 36.81 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.37 | 146 | 192556 | 36.77 | ng | | 96 |
| 15) Benzyl Alcohol | 7.36 | 79 | 151291 | 35.96 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.53 | 45 | 252654 | 34.26 | ng | | 99 |
| 17) 2-Methylphenol | 7.51 | 107 | 150411 | 38.43 | ng | | 95 |
| 18) Hexachloroethane | 7.79 | 117 | 60558 | 31.26 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 7.69 | 70 | 139948 | 36.56 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.70 | 107 | 200708 | 38.49 | ng | # | 46 |
| 22) Acetophenone | 7.68 | 105 | 258532 | 37.45 | ng | # | 91 |
| 24) Nitrobenzene | 7.90 | 77 | 201041 | 38.14 | ng | # | 74 |
| 25) Isophorone | 8.19 | 82 | 381496 | 38.70 | ng | | 98 |
| 26) 2-Nitrophenol | 8.28 | 139 | 88536 | 40.59 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 8.35 | 122 | 178474 | 40.89 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 8.47 | 93 | 221994 | 36.53 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.58 | 162 | 156719 | 40.37 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.68 | 180 | 166427 | 39.03 | ng | | 98 |
| 31) Naphthalene | 8.78 | 128 | 572148 | 39.29 | ng | | 99 |
| 32) Benzoic acid | 8.49 | 122 | 117920m | 43.77 | ng | | |
| 33) 4-Chloroaniline | 8.86 | 127 | 251653 | 40.84 | ng | # | 89 |
| 34) Hexachlorobutadiene | 8.92 | 225 | 89898 | 36.61 | ng | | 99 |
| 35) Caprolactam | 9.29 | 113 | 50444 | 40.19 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 9.47 | 107 | 163378 | 40.07 | ng | | 93 |
| 37) 2-Methylnaphthalene | 9.63 | 142 | 387986 | 38.45 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.84 | 216 | 157923 | 36.95 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.83 | 237 | 5352 | 2.49 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.99 | 196 | 111049 | 37.80 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 10.04 | 196 | 112413 | 37.85 | ng | | 98 |
| 45) 1,1'-Biphenyl | 10.22 | 154 | 431925 | 35.81 | ng | | 97 |
| 46) 2-Chloronaphthalene | 10.24 | 162 | 356221 | 37.86 | ng | | 93 |
| 47) 2-Nitroaniline | 10.38 | 65 | 114666 | 42.06 | ng | # | 49 |
| 48) Acenaphthylene | 10.74 | 152 | 586217 | 37.94 | ng | | 99 |
| 49) Dimethylphthalate | 10.60 | 163 | 396373 | 35.59 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 10.68 | 165 | 84115 | 38.27 | ng | # | 86 |
| 51) Acenaphthene | 10.96 | 154 | 325694 | 35.35 | ng | | 99 |
| 52) 3-Nitroaniline | 10.88 | 138 | 116281 | 42.36 | ng | | 95 |
| 53) 2,4-Dinitrophenol | 11.03 | 184 | 1335 | 3.37 | ng | # | 75 |
| 54) Dibenzofuran | 11.18 | 168 | 484428 | 36.40 | ng | | 99 |
| 55) 4-Nitrophenol | 11.11 | 139 | 76256 | 35.09 | ng | # | 87 |
| 56) 2,4-Dinitrotoluene | 11.19 | 165 | 102901 | 35.42 | ng | # | 81 |
| 57) Fluorene | 11.60 | 166 | 397674 | 36.41 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 11.34 | 232 | 89554 | 36.89 | ng | | 99 |
| 59) Diethylphthalate | 11.49 | 149 | 405322 | 36.74 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 11.61 | 204 | 172819 | 35.67 | ng | | 98 |
| 61) 4-Nitroaniline | 11.65 | 138 | 131027 | 47.71 | ng | | 85 |
| 62) Azobenzene | 11.81 | 77 | 380934 | 35.04 | ng | | 100 |
| 64) 4,6-Dinitro-2-methylphenol | 11.69 | 198 | 4482 | 6.20 | ng | | 80 |
| 65) n-Nitrosodiphenylamine | 11.76 | 169 | 349990 | 35.89 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 12.22 | 248 | 110804 | 36.30 | ng | | 92 |
| 67) Hexachlorobenzene | 12.29 | 284 | 126761 | 36.33 | ng | # | 66 |
| 68) Atrazine | 12.43 | 200 | 82618 | 29.13 | ng | | 97 |
| 69) Pentachlorophenol | 12.54 | 266 | 62466 | 34.83 | ng | | 97 |
| 70) Phenanthrene | 12.79 | 178 | 587117 | 35.84 | ng | | 99 |
| 71) Anthracene | 12.86 | 178 | 586749 | 36.51 | ng | | 100 |
| 72) Carbazole | 13.06 | 167 | 561439 | 36.65 | ng | | 99 |
| 73) Di-n-butylphthalate | 13.52 | 149 | 665186 | 36.21 | ng | | 100 |
| 74) Fluoranthene | 14.27 | 202 | 647191 | 37.91 | ng | | 94 |
| 76) Benzidine | 14.46 | 184 | 426199 | 53.86 | ng | | 97 |
| 77) Pyrene | 14.55 | 202 | 651342 | 38.50 | ng | | 99 |
| 79) Butylbenzylphthalate | 15.37 | 149 | 301714 | 40.80 | ng | | 88 |
| 80) Benzo(a)anthracene | 16.05 | 228 | 621195 | 38.64 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 16.02 | 252 | 254312 | 44.41 | ng | # | 98 |
| 82) Chrysene | 16.09 | 228 | 580010 | 37.51 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 16.10 | 149 | 420052 | 37.50 | ng | | 99 |
| 84) Di-n-octyl phthalate | 16.90 | 149 | 724715 | 36.74 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 19.22 | 276 | 739685 | 37.54 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 17.36 | 252 | 677690 | 40.40 | ng | | 100 |
| 88) Benzo(k)fluoranthene | 17.39 | 252 | 548580 | 33.78 | ng | # | 95 |
| 89) Benzo(a)pyrene | 17.75 | 252 | 577097 | 37.36 | ng | # | 98 |
| 90) Dibenzo(a,h)anthracene | 19.25 | 278 | 609014 | 37.10 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 19.65 | 276 | 594871 | 36.16 | ng | | 97 |

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

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