Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071615\
Data File : BF080511.D
Acq On : 16 Jul 2015 15:26
Operator : TP/UM
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ICVBF071615

Quant Time: Jul 16 17:18:12 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 16 17:11:01 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.07 | 152 | 17969 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.36 | 136 | 78827 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.12 | 164 | 34534 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.61 | 188 | 64611 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.43 | 240 | 53199 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 16.16 | 264 | 49712 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.70 | 112 | 92268 | 87.54 | ng | | 0.00 |
| 7) Phenol-d6 | 6.72 | 99 | 122402 | 85.51 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.64 | 82 | 110879 | 82.57 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.91 | 330 | 24465 | 91.05 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.44 | 172 | 217559 | 85.73 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.23 | 244 | 222019 | 86.53 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.76 | 88 | 21827 | 41.93 | ng | # | 81 |
| 3) Pyridine | 3.71 | 79 | 45789 | 38.71 | ng | | 87 |
| 4) n-Nitrosodimethylamine | 3.55 | 42 | 29802 | 45.23 | ng | | 81 |
| 6) Aniline | 6.75 | 93 | 77494 | 41.99 | ng | # | 90 |
| 8) 2-Chlorophenol | 6.86 | 128 | 50783 | 42.95 | ng | | 83 |
| 9) Benzaldehyde | 6.62 | 77 | 42666 | 43.91 | ng | # | 68 |
| 10) Phenol | 6.73 | 94 | 66274 | 43.04 | ng | # | 63 |
| 11) bis(2-Chloroethyl)ether | 6.81 | 93 | 45768 | 40.83 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 7.01 | 146 | 61086 | 41.30 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 7.09 | 146 | 62182m | 40.66 | ng | | |
| 14) 1,2-Dichlorobenzene | 7.25 | 146 | 54083 | 40.31 | ng | | 97 |
| 15) Benzyl Alcohol | 7.22 | 79 | 41926 | 41.96 | ng | # | 69 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.34 | 45 | 84983 | 42.27 | ng | | 63 |
| 17) 2-Methylphenol | 7.33 | 107 | 40150 | 42.42 | ng | # | 78 |
| 18) Hexachloroethane | 7.60 | 117 | 18495 | 40.43 | ng | # | 64 |
| 19) n-Nitroso-di-n-propylamine | 7.48 | 70 | 35410 | 40.76 | ng | # | 81 |
| 20) 3+4-Methylphenols | 7.49 | 107 | 54618 | 42.71 | ng | # | 79 |
| 22) Acetophenone | 7.48 | 105 | 73213 | 41.97 | ng | # | 78 |
| 24) Nitrobenzene | 7.66 | 77 | 53927 | 39.78 | ng | # | 75 |
| 25) Isophorone | 7.89 | 82 | 96222 | 40.57 | ng | # | 91 |
| 26) 2-Nitrophenol | 7.98 | 139 | 23251 | 39.52 | ng | # | 81 |
| 27) 2,4-Dimethylphenol | 8.02 | 122 | 45505 | 40.04 | ng | # | 80 |
| 28) bis(2-Chloroethoxy)methane | 8.10 | 93 | 58798 | 42.21 | ng | # | 92 |
| 29) 2,4-Dichlorophenol | 8.22 | 162 | 43284 | 41.79 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.30 | 180 | 44858 | 37.72 | ng | | 97 |
| 31) Naphthalene | 8.38 | 128 | 154278 | 39.85 | ng | | 100 |
| 32) Benzoic acid | 8.10 | 122 | 22076 | 37.74 | ng | # | 59 |
| 33) 4-Chloroaniline | 8.44 | 127 | 59789 | 39.73 | ng | # | 89 |
| 34) Hexachlorobutadiene | 8.50 | 225 | 28450 | 41.32 | ng | | 98 |
| 35) Caprolactam | 8.78 | 113 | 10004 | 40.87 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 8.92 | 107 | 43977 | 40.20 | ng | # | 80 |
| 37) 2-Methylnaphthalene | 9.07 | 142 | 95504 | 41.28 | ng | # | 90 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.24 | 216 | 46318 | 41.82 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.23 | 237 | 22376 | 41.17 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.36 | 196 | 30838 | 46.52 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.40 | 196 | 30503 | 43.23 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.54 | 154 | 115069 | 40.77 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.56 | 162 | 90752 | 42.93 | ng | # | 92 |
| 47) 2-Nitroaniline | 9.66 | 65 | 24588 | 45.13 | ng | # | 56 |
| 48) Acenaphthylene | 9.98 | 152 | 149442 | 42.20 | ng | | 98 |
| 49) Dimethylphthalate | 9.84 | 163 | 98703 | 41.67 | ng | # | 96 |
| 50) 2,6-Dinitrotoluene | 9.89 | 165 | 19119 | 41.25 | ng | # | 23 |
| 51) Acenaphthene | 10.16 | 154 | 87944 | 42.03 | ng | | 88 |
| 52) 3-Nitroaniline | 10.08 | 138 | 22603 | 44.15 | ng | # | 42 |
| 53) 2,4-Dinitrophenol | 10.18 | 184 | 8527 | 39.04 | ng | # | 60 |
| 54) Dibenzofuran | 10.33 | 168 | 121888 | 40.29 | ng | | 94 |
| 55) 4-Nitrophenol | 10.25 | 139 | 16038 | 43.49 | ng | # | 29 |
| 56) 2,4-Dinitrotoluene | 10.30 | 165 | 28012 | 41.71 | ng | # | 93 |
| 57) Fluorene | 10.67 | 166 | 98545 | 41.49 | ng | | 94 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.45 | 232 | 21748 | 42.24 | ng | | 100 |
| 59) Diethylphthalate | 10.53 | 149 | 92736 | 41.51 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.66 | 204 | 43151 | 40.60 | ng | | 94 |
| 61) 4-Nitroaniline | 10.69 | 138 | 23292 | 45.95 | ng | # | 46 |
| 62) Azobenzene | 10.81 | 77 | 101808 | 43.38 | ng | # | 80 |
| 64) 4,6-Dinitro-2-methylphenol | 10.72 | 198 | 11840 | 37.60 | ng | # | 69 |
| 65) n-Nitrosodiphenylamine | 10.77 | 169 | 89961 | 40.94 | ng | | 92 |
| 66) 4-Bromophenyl-phenylether | 11.15 | 248 | 24436 | 38.83 | ng | # | 81 |
| 67) Hexachlorobenzene | 11.22 | 284 | 29042 | 41.74 | ng | # | 83 |
| 68) Atrazine | 11.29 | 200 | 22068 | 37.09 | ng | | 83 |
| 69) Pentachlorophenol | 11.41 | 266 | 12001 | 35.65 | ng | | 96 |
| 70) Phenanthrene | 11.63 | 178 | 150411 | 41.34 | ng | | 97 |
| 71) Anthracene | 11.69 | 178 | 140356 | 40.68 | ng | | 99 |
| 72) Carbazole | 11.85 | 167 | 118255 | 39.08 | ng | | 97 |
| 73) Di-n-butylphthalate | 12.16 | 149 | 146961 | 41.44 | ng | # | 98 |
| 74) Fluoranthene | 12.84 | 202 | 136435 | 40.04 | ng | | 95 |
| 76) Benzidine | 12.98 | 184 | 71709 | 40.93 | ng | # | 97 |
| 77) Pyrene | 13.09 | 202 | 144030 | 41.52 | ng | | 97 |
| 79) Butylbenzylphthalate | 13.75 | 149 | 48191 | 38.80 | ng | # | 66 |
| 80) Benzo(a)anthracene | 14.42 | 228 | 123435 | 41.35 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 14.39 | 252 | 38782 | 39.73 | ng | # | 93 |
| 82) Chrysene | 14.47 | 228 | 122942 | 42.34 | ng | | 96 |
| 83) Bis(2-ethylhexyl)phthalate | 14.39 | 149 | 75797 | 41.74 | ng | # | 87 |
| 84) Di-n-octyl phthalate | 15.14 | 149 | 112290 | 38.40 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 17.75 | 276 | 162989 | 45.83 | ng | # | 93 |
| 87) Benzo(b)fluoranthene | 15.68 | 252 | 129433 | 44.99 | ng | # | 90 |
| 88) Benzo(k)fluoranthene | 15.71 | 252 | 103391m | 35.35 | ng | | |
| 89) Benzo(a)pyrene | 16.08 | 252 | 112905 | 41.97 | ng | # | 93 |
| 90) Dibenzo(a,h)anthracene | 17.76 | 278 | 131481 | 44.40 | ng | # | 85 |
| 91) Benzo(g,h,i)perylene | 18.23 | 276 | 137446 | 44.69 | ng | # | 79 |

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

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