Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122415\
Data File : BF084107.D
Acq On : 25 Dec 2015 4:34
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
12/28/2015 1:10:10 PM

Quant Time: Dec 25 06:19:58 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 24 16:48:39 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 48920 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 183518 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.84 | 164 | 87061 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 156198 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.96 | 240 | 117201 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.38 | 264 | 93733 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.41 | 112 | 225636 | 78.20 | ng | | 0.00 |
| 7) Phenol-d6 | 6.45 | 99 | 262519 | 73.53 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 251001 | 80.06 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.62 | 330 | 70033 | 75.43 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.16 | 172 | 490245 | 77.05 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.90 | 244 | 469162 | 72.43 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.34 | 88 | 46671 | 39.46 | ng | | 100 |
| 3) Pyridine | 3.06 | 79 | 123554 | 42.78 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.00 | 42 | 47933 | 37.67 | ng | | 96 |
| 6) Aniline | 6.46 | 93 | 180490 | 39.99 | ng | # | 63 |
| 8) 2-Chlorophenol | 6.59 | 128 | 140709 | 39.27 | ng | | 90 |
| 9) Benzaldehyde | 6.35 | 77 | 69934 | 36.62 | ng | | 89 |
| 10) Phenol | 6.46 | 94 | 155247 | 38.02 | ng | # | 73 |
| 11) bis(2-Chloroethyl)ether | 6.53 | 93 | 110382 | 37.48 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.74 | 146 | 148711 | 38.01 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.82 | 146 | 148633m | 37.76 | ng | | |
| 14) 1,2-Dichlorobenzene | 6.97 | 146 | 136406 | 37.60 | ng | | 98 |
| 15) Benzyl Alcohol | 6.94 | 79 | 98875 | 36.57 | ng | # | 87 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.08 | 45 | 105839 | 36.79 | ng | | 66 |
| 17) 2-Methylphenol | 7.07 | 107 | 100267 | 36.44 | ng | # | 90 |
| 18) Hexachloroethane | 7.31 | 117 | 55936 | 38.93 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70 | 83258 | 37.86 | ng | # | 88 |
| 20) 3+4-Methylphenols | 7.23 | 107 | 131833 | 37.56 | ng | # | 48 |
| 22) Acetophenone | 7.22 | 105 | 187183 | 40.82 | ng | # | 90 |
| 24) Nitrobenzene | 7.39 | 77 | 132730 | 39.87 | ng | # | 86 |
| 25) Isophorone | 7.63 | 82 | 231072 | 39.84 | ng | | 95 |
| 26) 2-Nitrophenol | 7.71 | 139 | 67829 | 39.81 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.76 | 122 | 119967 | 42.43 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 7.84 | 93 | 127493 | 37.71 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.95 | 162 | 104383 | 39.75 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.03 | 180 | 114071 | 39.63 | ng | | 97 |
| 31) Naphthalene | 8.11 | 128 | 389759 | 39.92 | ng | | 98 |
| 32) Benzoic acid | 7.89 | 122 | 53785 | 39.67 | ng | | 98 |
| 33) 4-Chloroaniline | 8.16 | 127 | 149551 | 38.49 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.22 | 225 | 63787 | 38.86 | ng | | 98 |
| 35) Caprolactam | 8.53 | 113 | 30819 | 42.31 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 8.66 | 107 | 121720 | 41.22 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.80 | 142 | 235600 | 38.55 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 109181 | 39.78 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.96 | 237 | 19450 | 34.62 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.08 | 196 | 70596 | 39.45 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 9.13 | 196 | 75357 | 42.07 | ng | # | 84 |
| 45) 1,1'-Biphenyl | 9.26 | 154 | 323657 | 41.15 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.29 | 162 | 248220 | 41.51 | ng | | 95 |
| 47) 2-Nitroaniline | 9.39 | 65 | 65813 | 41.42 | ng | # | 59 |
| 48) Acenaphthylene | 9.70 | 152 | 383794 | 39.08 | ng | | 100 |
| 49) Dimethylphthalate | 9.56 | 163 | 264244 | 36.65 | ng | # | 90 |
| 50) 2,6-Dinitrotoluene | 9.63 | 165 | 65633 | 42.88 | ng | | 95 |
| 51) Acenaphthene | 9.87 | 154 | 224715 | 39.35 | ng | | 100 |
| 52) 3-Nitroaniline | 9.80 | 138 | 71192 | 43.34 | ng | # | 73 |
| 53) 2,4-Dinitrophenol | 9.92 | 184 | 19338 | 42.47 | ng | | 97 |
| 54) Dibenzofuran | 10.04 | 168 | 304727 | 38.80 | ng | | 93 |
| 55) 4-Nitrophenol | 9.98 | 139 | 32029 | 38.20 | ng | | 97 |
| 56) 2,4-Dinitrotoluene | 10.03 | 165 | 75385 | 37.31 | ng | # | 85 |
| 57) Fluorene | 10.38 | 166 | 264172 | 39.58 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.17 | 232 | 52816 | 41.36 | ng | | 98 |
| 59) Diethylphthalate | 10.26 | 149 | 263546 | 35.98 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 10.37 | 204 | 108743 | 35.32 | ng | # | 82 |
| 61) 4-Nitroaniline | 10.41 | 138 | 61540 | 40.54 | ng | | 95 |
| 62) Azobenzene | 10.53 | 77 | 235185 | 38.97 | ng | | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 10.45 | 198 | 35012 | 40.38 | ng | | 80 |
| 65) n-Nitrosodiphenylamine | 10.50 | 169 | 238220 | 42.78 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.87 | 248 | 73683 | 40.72 | ng | # | 82 |
| 67) Hexachlorobenzene | 10.93 | 284 | 75630 | 38.18 | ng | # | 75 |
| 68) Atrazine | 11.03 | 200 | 67799 | 40.43 | ng | | 99 |
| 69) Pentachlorophenol | 11.14 | 266 | 24212 | 41.30 | ng | | 100 |
| 70) Phenanthrene | 11.35 | 178 | 366444 | 39.57 | ng | | 99 |
| 71) Anthracene | 11.39 | 178 | 369129 | 38.12 | ng | | 99 |
| 72) Carbazole | 11.55 | 167 | 321606 | 39.04 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.88 | 149 | 419714 | 39.55 | ng | # | 99 |
| 74) Fluoranthene | 12.53 | 202 | 389781 | 39.20 | ng | | 95 |
| 76) Benzidine | 12.65 | 184 | 96598 | 24.25 | ng | | 100 |
| 77) Pyrene | 12.76 | 202 | 381927 | 37.77 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.38 | 149 | 164899 | 39.40 | ng | # | 73 |
| 80) Benzo(a)anthracene | 13.95 | 228 | 291316 | 40.41 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.91 | 252 | 96577 | 44.24 | ng | # | 96 |
| 82) Chrysene | 13.99 | 228 | 284639 | 42.82 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.94 | 149 | 222160 | 41.08 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 14.55 | 149 | 337209 | 44.31 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.76 | 276 | 272167 | 40.88 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 14.98 | 252 | 279689m | 40.18 | ng | | |
| 88) Benzo(k)fluoranthene | 15.00 | 252 | 206533m | 43.78 | ng | | |
| 89) Benzo(a)pyrene | 15.32 | 252 | 227280 | 39.63 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.77 | 278 | 223441 | 39.93 | ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 17.19 | 276 | 228663 | 40.03 | ng | | 98 |

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

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