Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
Data File : BF087921.D
Acq On : 12 Jun 2016 00:28
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
umangi
6/13/2016 7:44:35 PM

Quant Time: Jun 12 05:56:04 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 07 18:51:55 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 105590 | 20.00 | ng | | -0.05 |
| 21) Naphthalene-d8 | 8.09 | 136 | 430089 | 20.00 | ng | | -0.03 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 252866 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 11.33 | 188 | 444940 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 13.97 | 240 | 348338 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.37 | 264 | 278234 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.38 | 112 | 507971 | 82.24 | ng | | -0.05 |
| 7) Phenol-d6 | 6.43 | 99 | 714880 | 95.50 | ng | | -0.05 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 563093 | 76.45 | ng | | -0.05 |
| 41) 2,4,6-Tribromophenol | 10.64 | 330 | 184805 | 69.22 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 9.18 | 172 | 1192402 | 73.32 | ng | | -0.03 |
| 78) Terphenyl-d14 | 12.91 | 244 | 966284 | 63.12 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.34 | 88 | 126748 | 42.23 | ng | # | 40 |
| 3) Pyridine | 3.04 | 79 | 384372 | 54.24 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 2.99 | 42 | 139256 | 46.40 | ng | | 89 |
| 6) Aniline | 6.47 | 93 | 494390 | 46.40 | ng | | 97 |
| 8) 2-Chlorophenol | 6.58 | 128 | 281107 | 38.45 | ng | | 98 |
| 9) Benzaldehyde | 6.34 | 77 | 194786 | 45.98 | ng | | 91 |
| 10) Phenol | 6.46 | 94 | 418042 | 54.62 | ng | # | 69 |
| 11) bis(2-Chloroethyl)ether | 6.55 | 93 | 271500 | 41.36 | ng | # | 81 |
| 12) 1,3-Dichlorobenzene | 6.74 | 146 | 302448 | 38.56 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.82 | 146 | 315232 | 39.89 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.97 | 146 | 263144m | 36.62 | ng | | |
| 15) Benzyl Alcohol | 6.95 | 79 | 209513 | 35.78 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45 | 352493 | 39.75 | ng | | 89 |
| 17) 2-Methylphenol | 7.06 | 107 | 240500 | 40.57 | ng | | 98 |
| 18) Hexachloroethane | 7.31 | 117 | 108443 | 38.68 | ng | # | 83 |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70 | 206386 | 43.10 | ng | # | 84 |
| 20) 3+4-Methylphenols | 7.22 | 107 | 256762 | 37.12 | ng | # | 80 |
| 22) Acetophenone | 7.22 | 105 | 365533 | 38.03 | ng | # | 90 |
| 24) Nitrobenzene | 7.39 | 77 | 322449 | 45.20 | ng | | 95 |
| 25) Isophorone | 7.63 | 82 | 543228 | 39.82 | ng | | 100 |
| 26) 2-Nitrophenol | 7.71 | 139 | 163851 | 42.87 | ng | # | 70 |
| 27) 2,4-Dimethylphenol | 7.75 | 122 | 269583 | 38.31 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93 | 361081 | 42.67 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.95 | 162 | 248175 | 42.24 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.03 | 180 | 242097 | 37.84 | ng | | 99 |
| 31) Naphthalene | 8.11 | 128 | 797908 | 37.49 | ng | | 100 |
| 32) Benzoic acid | 7.88 | 122 | 169150 | 43.65 | ng | | 91 |
| 33) 4-Chloroaniline | 8.17 | 127 | 399361 | 42.02 | ng | # | 91 |
| 34) Hexachlorobutadiene | 8.24 | 225 | 134953 | 40.00 | ng | | 99 |
| 35) Caprolactam | 8.55 | 113 | 75844 | 38.97 | ng | | 91 |
| 36) 4-Chloro-3-methylphenol | 8.65 | 107 | 249967 | 39.78 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.81 | 142 | 608547 | 43.38 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 228722 | 31.46 | ng | # | 1 |
| 40) Hexachlorocyclopentadiene | 8.96 | 237 | 124365 | 30.49 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.08 | 196 | 192443 | 38.06 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.13 | 196 | 192643 | 36.62 | ng | # | 94 |
| 45) 1,1'-Biphenyl | 9.27 | 154 | 721703 | 36.91 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.29 | 162 | 590927 | 36.11 | ng | | 100 |
| 47) 2-Nitroaniline | 9.39 | 65 | 201747 | 41.80 | ng | # | 76 |
| 48) Acenaphthylene | 9.71 | 152 | 992374 | 38.13 | ng | | 100 |
| 49) Dimethylphthalate | 9.58 | 163 | 635040 | 34.67 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.63 | 165 | 146645 | 34.96 | ng | # | 60 |
| 51) Acenaphthene | 9.88 | 154 | 625507 | 38.52 | ng | | 99 |
| 52) 3-Nitroaniline | 9.80 | 138 | 190491 | 39.35 | ng | | 91 |
| 53) 2,4-Dinitrophenol | 9.91 | 184 | 87078 | 43.57 | ng | # | 85 |
| 54) Dibenzofuran | 10.06 | 168 | 899386 | 40.22 | ng | | 97 |
| 55) 4-Nitrophenol | 9.96 | 139 | 153325 | 40.81 | ng | # | 84 |
| 56) 2,4-Dinitrotoluene | 10.03 | 165 | 197759 | 36.68 | ng | # | 63 |
| 57) Fluorene | 10.40 | 166 | 617494 | 40.37 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.17 | 232 | 160723 | 38.87 | ng | # | 52 |
| 59) Diethylphthalate | 10.27 | 149 | 652443 | 35.19 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.39 | 204 | 250159 | 33.64 | ng | | 99 |
| 61) 4-Nitroaniline | 10.41 | 138 | 191823 | 41.78 | ng | | 97 |
| 62) Azobenzene | 10.55 | 77 | 692454 | 37.77 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 10.44 | 198 | 114489 | 41.52 | ng | | 80 |
| 65) n-Nitrosodiphenylamine | 10.51 | 169 | 603152 | 40.85 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.88 | 248 | 189748 | 39.75 | ng | | 98 |
| 67) Hexachlorobenzene | 10.94 | 284 | 182244 | 36.74 | ng | | 95 |
| 68) Atrazine | 11.04 | 200 | 183407 | 41.02 | ng | | 94 |
| 69) Pentachlorophenol | 11.13 | 266 | 111107 | 42.50 | ng | | 97 |
| 70) Phenanthrene | 11.35 | 178 | 884253 | 37.87 | ng | | 100 |
| 71) Anthracene | 11.41 | 178 | 913279 | 38.78 | ng | | 100 |
| 72) Carbazole | 11.55 | 167 | 891828 | 40.47 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.90 | 149 | 986488 | 35.36 | ng | | 100 |
| 74) Fluoranthene | 12.54 | 202 | 900395 | 36.54 | ng | | 100 |
| 76) Benzidine | 12.66 | 184 | 461283 | 47.83 | ng | | 99 |
| 77) Pyrene | 12.77 | 202 | 926883 | 35.86 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.39 | 149 | 470938 | 41.21 | ng | | 97 |
| 80) Benzo(a)anthracene | 13.95 | 228 | 697394 | 35.13 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.92 | 252 | 235777 | 44.17 | ng | # | 97 |
| 82) Chrysene | 13.99 | 228 | 673864 | 36.08 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.95 | 149 | 502015 | 36.09 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 14.56 | 149 | 917729 | 40.60 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.74 | 276 | 638457 | 36.80 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 14.97 | 252 | 634027m | 32.69 | ng | | |
| 88) Benzo(k)fluoranthene | 15.01 | 252 | 671148m | 45.88 | ng | | |
| 89) Benzo(a)pyrene | 15.31 | 252 | 619233 | 39.47 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.77 | 278 | 524676 | 36.00 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.15 | 276 | 543656 | 36.27 | ng | | 98 |

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

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