Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
Data File : BF086876.D
Acq On : 11 May 2016 1:29
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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5/11/2016 8:16:01 PM

Quant Time: May 11 05:42:45 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 09 16:04:56 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.68 | 152 | 200567 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 7.97 | 136 | 746823 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.72 | 164 | 307859 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.20 | 188 | 490432 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.83 | 240 | 346672 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.20 | 264 | 348961 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.28 | 112 | 881598 | 74.44 | ng | | -0.01 |
| 7) Phenol-d6 | 6.35 | 99 | 1040337 | 65.73 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.26 | 82 | 1118841 | 75.23 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.51 | 330 | 208270 | 63.90 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.06 | 172 | 1663423 | 90.81 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.78 | 244 | 1316502 | 80.57 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.17 | 88 | 222936 | 38.34 | ng | # | 72 |
| 3) Pyridine | 2.84 | 79 | 568155 | 39.97 | ng | # | 63 |
| 4) n-Nitrosodimethylamine | 2.81 | 42 | 440153 | 42.70 | ng | # | 50 |
| 6) Aniline | 6.35 | 93 | 656046 | 34.27 | ng | # | 85 |
| 8) 2-Chlorophenol | 6.48 | 128 | 517373 | 36.20 | ng | | 87 |
| 9) Benzaldehyde | 6.24 | 77 | 345891 | 37.74 | ng | | 96 |
| 10) Phenol | 6.36 | 94 | 542968 | 28.86 | ng | # | 28 |
| 11) bis(2-Chloroethyl)ether | 6.43 | 93 | 521452 | 35.55 | ng | | 84 |
| 12) 1,3-Dichlorobenzene | 6.62 | 146 | 585602m | 37.87 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.70 | 146 | 602659 | 38.21 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 6.86 | 146 | 475933 | 34.62 | ng | | 94 |
| 15) Benzyl Alcohol | 6.85 | 79 | 406649 | 37.21 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.98 | 45 | 1182365 | 37.07 | ng | | 85 |
| 17) 2-Methylphenol | 6.97 | 107 | 380031 | 33.42 | ng | # | 72 |
| 18) Hexachloroethane | 7.20 | 117 | 228617 | 38.53 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.12 | 70 | 387400 | 35.02 | ng | # | 63 |
| 20) 3+4-Methylphenols | 7.13 | 107 | 475977 | 32.05 | ng | # | 63 |
| 22) Acetophenone | 7.10 | 105 | 710732 | 40.29 | ng | # | 93 |
| 24) Nitrobenzene | 7.29 | 77 | 656495 | 42.91 | ng | | 91 |
| 25) Isophorone | 7.53 | 82 | 1073471 | 38.90 | ng | | 94 |
| 26) 2-Nitrophenol | 7.60 | 139 | 253200 | 37.65 | ng | # | 70 |
| 27) 2,4-Dimethylphenol | 7.65 | 122 | 423428 | 36.96 | ng | | 90 |
| 28) bis(2-Chloroethoxy)methane | 7.73 | 93 | 564847 | 37.95 | ng | # | 98 |
| 29) 2,4-Dichlorophenol | 7.85 | 162 | 377728 | 37.46 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.92 | 180 | 434872 | 38.57 | ng | | 95 |
| 31) Naphthalene | 8.00 | 128 | 1342899 | 35.90 | ng | | 99 |
| 32) Benzoic acid | 7.80 | 122 | 211402 | 31.42 | ng | | 88 |
| 33) 4-Chloroaniline | 8.06 | 127 | 496271 | 34.14 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.11 | 225 | 261243 | 39.94 | ng | | 98 |
| 35) Caprolactam | 8.45 | 113 | 114967 | 33.51 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.56 | 107 | 376108 | 30.76 | ng | | 91 |
| 37) 2-Methylnaphthalene | 8.68 | 142 | 803001 | 36.72 | ng | # | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.85 | 216 | 384547 | 42.96 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 8.84 | 237 | 122428 | 28.82 | ng | | 93 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.98 | 196 | 233361 | 38.99 | ng | | 92 |
| 43) 2,4,5-Trichlorophenol | 9.02 | 196 | 217361 | 35.11 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.15 | 154 | 931850 | 38.05 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.17 | 162 | 727050 | 37.90 | ng | | 93 |
| 47) 2-Nitroaniline | 9.29 | 65 | 256314 | 36.56 | ng | | 96 |
| 48) Acenaphthylene | 9.58 | 152 | 1062276 | 37.64 | ng | | 99 |
| 49) Dimethylphthalate | 9.46 | 163 | 839666 | 35.75 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.53 | 165 | 206897 | 41.86 | ng | | 87 |
| 51) Acenaphthene | 9.76 | 154 | 659899 | 37.59 | ng | | 99 |
| 52) 3-Nitroaniline | 9.70 | 138 | 177023 | 34.02 | ng | | 93 |
| 53) 2,4-Dinitrophenol | 9.80 | 184 | 48477 | 25.04 | ng | # | 77 |
| 54) Dibenzofuran | 9.93 | 168 | 842425 | 37.39 | ng | | 94 |
| 55) 4-Nitrophenol | 9.88 | 139 | 84085 | 27.41 | ng | # | 73 |
| 56) 2,4-Dinitrotoluene | 9.93 | 165 | 226890 | 37.09 | ng | # | 88 |
| 57) Fluorene | 10.27 | 166 | 747929 | 38.92 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.05 | 232 | 162953 | 34.97 | ng | | 96 |
| 59) Diethylphthalate | 10.16 | 149 | 842201 | 36.80 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.27 | 204 | 341749 | 39.68 | ng | # | 78 |
| 61) 4-Nitroaniline | 10.30 | 138 | 156672 | 31.35 | ng | # | 68 |
| 62) Azobenzene | 10.42 | 77 | 864050 | 34.99 | ng | | 82 |
| 64) 4,6-Dinitro-2-methylphenol | 10.34 | 198 | 92078 | 30.22 | ng | | 88 |
| 65) n-Nitrosodiphenylamine | 10.38 | 169 | 576940 | 38.29 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.75 | 248 | 201352 | 40.49 | ng | | 98 |
| 67) Hexachlorobenzene | 10.82 | 284 | 251182 | 43.22 | ng | | 96 |
| 68) Atrazine | 10.92 | 200 | 206348 | 41.00 | ng | | 95 |
| 69) Pentachlorophenol | 11.01 | 266 | 104411 | 38.88 | ng | | 97 |
| 70) Phenanthrene | 11.23 | 178 | 1010786 | 38.62 | ng | | 98 |
| 71) Anthracene | 11.28 | 178 | 1029588 | 38.47 | ng | | 100 |
| 72) Carbazole | 11.44 | 167 | 796023 | 34.59 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.77 | 149 | 1125283 | 40.05 | ng | # | 98 |
| 74) Fluoranthene | 12.41 | 202 | 1034993 | 38.45 | ng | | 94 |
| 76) Benzidine | 12.54 | 184 | 215511 | 24.38 | ng | | 96 |
| 77) Pyrene | 12.64 | 202 | 1036592 | 39.06 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.25 | 149 | 454269 | 40.47 | ng | # | 60 |
| 80) Benzo(a)anthracene | 13.81 | 228 | 779792 | 40.07 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.79 | 252 | 473958 | 38.33 | ng | # | 96 |
| 82) Chrysene | 13.86 | 228 | 866096 | 43.75 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.81 | 149 | 598938 | 44.35 | ng | # | 94 |
| 84) Di-n-octyl phthalate | 14.43 | 149 | 1097187 | 49.05 | ng | # | 84 |
| 85) Indeno(1,2,3-cd)pyrene | 16.49 | 276 | 785065 | 47.66 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 14.82 | 252 | 744464m | 32.83 | ng | | |
| 88) Benzo(k)fluoranthene | 14.85 | 252 | 822817m | 44.31 | ng | | |
| 89) Benzo(a)pyrene | 15.15 | 252 | 752623 | 38.47 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.50 | 278 | 648297 | 39.32 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 16.88 | 276 | 642150 | 38.33 | ng | # | 93 |

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

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