Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040816\
Data File : BF086163.D
Acq On : 8 Apr 2016 12:31
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Sohil
4/11/2016 5:45:06 PM

Quant Time: Apr 08 23:30:19 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.73 | 152 | 141260 | 20.00 | ng | | -0.05 |
| 21) Naphthalene-d8 | 8.02 | 136 | 594975 | 20.00 | ng | | -0.05 |
| 38) Acenaphthene-d10 | 9.77 | 164 | 266421 | 20.00 | ng | | -0.05 |
| 63) Phenanthrene-d10 | 11.25 | 188 | 515000 | 20.00 | ng | | -0.05 |
| 75) Chrysene-d12 | 13.89 | 240 | 401320 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 15.28 | 264 | 307809 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 713574 | 86.35 | ng | | -0.05 |
| 7) Phenol-d6 | 6.38 | 99 | 799300 | 76.14 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 7.31 | 82 | 853189 | 84.57 | ng | | -0.03 |
| 41) 2,4,6-Tribromophenol | 10.57 | 330 | 206368 | 82.53 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 9.09 | 172 | 1183043 | 73.83 | ng | | -0.05 |
| 78) Terphenyl-d14 | 12.83 | 244 | 1332384 | 78.04 | ng | | -0.05 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.22 | 88 | 160140 | 40.87 | ng | | 98 |
| 3) Pyridine | 2.92 | 79 | 379057 | 43.21 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 2.88 | 42 | 168112 | 43.59 | ng | | 97 |
| 6) Aniline | 6.40 | 93 | 539925 | 39.20 | ng | # | 47 |
| 8) 2-Chlorophenol | 6.52 | 128 | 404024 | 40.99 | ng | | 94 |
| 9) Benzaldehyde | 6.28 | 77 | 232877 | 41.23 | ng | | 95 |
| 10) Phenol | 6.40 | 94 | 468822 | 39.15 | ng | # | 64 |
| 11) bis(2-Chloroethyl)ether | 6.48 | 93 | 415676 | 43.84 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.67 | 146 | 441529m | 42.27 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.75 | 146 | 434541 | 40.38 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 6.90 | 146 | 383577 | 38.72 | ng | | 97 |
| 15) Benzyl Alcohol | 6.89 | 79 | 261090 | 38.44 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.01 | 45 | 453982 | 39.19 | ng | | 57 |
| 17) 2-Methylphenol | 7.00 | 107 | 306046 | 39.39 | ng | # | 95 |
| 18) Hexachloroethane | 7.24 | 117 | 163160 | 41.22 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 7.16 | 70 | 258160 | 39.68 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.16 | 107 | 376234 | 39.81 | ng | # | 74 |
| 22) Acetophenone | 7.15 | 105 | 537156 | 38.41 | ng | # | 93 |
| 24) Nitrobenzene | 7.32 | 77 | 393461 | 35.65 | ng | | 99 |
| 25) Isophorone | 7.56 | 82 | 796944 | 40.02 | ng | | 99 |
| 26) 2-Nitrophenol | 7.64 | 139 | 238568 | 45.18 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.69 | 122 | 373387 | 39.37 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.78 | 93 | 491334 | 42.05 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.89 | 162 | 306592 | 38.23 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 7.96 | 180 | 349265 | 38.80 | ng | | 97 |
| 31) Naphthalene | 8.04 | 128 | 1181183 | 39.47 | ng | | 99 |
| 32) Benzoic acid | 7.85 | 122 | 226532 | 32.55 | ng | | 98 |
| 33) 4-Chloroaniline | 8.10 | 127 | 494538 | 40.91 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.16 | 225 | 194626 | 40.22 | ng | | 99 |
| 35) Caprolactam | 8.49 | 113 | 104525 | 41.09 | ng | | 100 |
| 36) 4-Chloro-3-methylphenol | 8.59 | 107 | 342645 | 38.01 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.73 | 142 | 659049 | 33.71 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.90 | 216 | 344411 | 43.01 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.88 | 237 | 73841 | 34.80 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.01 | 196 | 215005 | 41.81 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.06 | 196 | 221979 | 42.52 | ng | # | 85 |
| 45) 1,1'-Biphenyl | 9.20 | 154 | 892888 | 38.87 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.22 | 162 | 650739 | 39.08 | ng | | 93 |
| 47) 2-Nitroaniline | 9.32 | 65 | 191574 | 39.32 | ng | | 90 |
| 48) Acenaphthylene | 9.63 | 152 | 968338 | 36.30 | ng | | 100 |
| 49) Dimethylphthalate | 9.50 | 163 | 816785 | 41.36 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.57 | 165 | 200630 | 48.02 | ng | # | 73 |
| 51) Acenaphthene | 9.80 | 154 | 573529 | 36.15 | ng | | 98 |
| 52) 3-Nitroaniline | 9.74 | 138 | 224711 | 44.63 | ng | # | 78 |
| 53) 2,4-Dinitrophenol | 9.86 | 184 | 66646 | 34.21 | ng | # | 73 |
| 54) Dibenzofuran | 9.97 | 168 | 772930 | 36.89 | ng | | 98 |
| 55) 4-Nitrophenol | 9.92 | 139 | 122314 | 41.20 | ng | | 90 |
| 56) 2,4-Dinitrotoluene | 9.97 | 165 | 192901 | 36.54 | ng | # | 39 |
| 57) Fluorene | 10.32 | 166 | 642331 | 35.89 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.10 | 232 | 156332 | 40.22 | ng | | 97 |
| 59) Diethylphthalate | 10.20 | 149 | 855512 | 42.92 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.30 | 204 | 331214 | 39.73 | ng | | 93 |
| 61) 4-Nitroaniline | 10.36 | 138 | 218270 | 44.02 | ng | | 91 |
| 62) Azobenzene | 10.46 | 77 | 772606 | 40.47 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 10.38 | 198 | 107204 | 34.35 | ng | | 93 |
| 65) n-Nitrosodiphenylamine | 10.43 | 169 | 574983 | 35.70 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.80 | 248 | 202545 | 38.52 | ng | | 93 |
| 67) Hexachlorobenzene | 10.86 | 284 | 208273 | 38.31 | ng | # | 83 |
| 68) Atrazine | 10.97 | 200 | 220753 | 42.42 | ng | | 100 |
| 69) Pentachlorophenol | 11.07 | 266 | 87224 | 34.23 | ng | | 98 |
| 70) Phenanthrene | 11.28 | 178 | 1015860 | 36.16 | ng | | 99 |
| 71) Anthracene | 11.33 | 178 | 1113518 | 37.83 | ng | | 99 |
| 72) Carbazole | 11.49 | 167 | 968868 | 38.30 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.81 | 149 | 1113270 | 35.51 | ng | | 99 |
| 74) Fluoranthene | 12.46 | 202 | 1137681 | 38.93 | ng | | 93 |
| 76) Benzidine | 12.59 | 184 | 495371 | 34.99 | ng | | 99 |
| 77) Pyrene | 12.69 | 202 | 1142223 | 40.39 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.31 | 149 | 544880 | 42.79 | ng | | 92 |
| 80) Benzo(a)anthracene | 13.88 | 228 | 900831 | 38.08 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.85 | 252 | 637211 | 36.88 | ng | | 99 |
| 82) Chrysene | 13.92 | 228 | 841160 | 36.91 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.87 | 149 | 694776 | 41.11 | ng | # | 93 |
| 84) Di-n-octyl phthalate | 14.48 | 149 | 1111916 | 41.20 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.63 | 276 | 678618 | 36.71 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.90 | 252 | 969738m | 50.08 | ng | | |
| 88) Benzo(k)fluoranthene | 14.92 | 252 | 576732m | 33.64 | ng | | |
| 89) Benzo(a)pyrene | 15.23 | 252 | 706671 | 41.19 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 16.63 | 278 | 572041 | 41.44 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.03 | 276 | 557705 | 41.75 | ng | | 94 |

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

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