Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052316\
Data File : BF087303.D
Acq On : 23 May 2016 16:35
Operator : UM/SJ
Sample : SSTDICC060
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**
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5/24/2016 7:39:03 PM

Quant Time: May 24 01:13:48 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 24 00:59:18 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.62 | 152 | 145802 | 20.00 | ng | | 0.01 |
| 21) Naphthalene-d8 | 9.64 | 136 | 603562 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 12.48 | 164 | 272197 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 14.88 | 188 | 505617 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 18.56 | 240 | 354606 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 20.23 | 264 | 286781 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.52 | 112 | 1059199 | 121.76 | ng | | 0.00 |
| 7) Phenol-d6 | 7.16 | 99 | 1379072 | 119.34 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.55 | 82 | 1432269 | 117.33 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 13.78 | 330 | 313155 | 106.82 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 11.44 | 172 | 2235251 | 133.65 | ng | | 0.01 |
| 78) Terphenyl-d14 | 17.22 | 244 | 1956521 | 121.44 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.94 | 88 | 254624 | 57.57 | ng | # | 73 |
| 3) Pyridine | 2.55 | 79 | 609486 | 57.64 | ng | # | 65 |
| 4) n-Nitrosodimethylamine | 2.54 | 42 | 462735 | 61.35 | ng | # | 46 |
| 6) Aniline | 7.12 | 93 | 886992 | 59.93 | ng | | 96 |
| 8) 2-Chlorophenol | 7.30 | 128 | 614800 | 58.47 | ng | | 94 |
| 9) Benzaldehyde | 6.94 | 77 | 306140 | 46.61 | ng | | 98 |
| 10) Phenol | 7.19 | 94 | 702952 | 50.03 | ng | | 81 |
| 11) bis(2-Chloroethyl)ether | 7.27 | 93 | 584854 | 53.30 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 7.52 | 146 | 676289 | 60.56 | ng | # | 94 |
| 13) 1,4-Dichlorobenzene | 7.64 | 146 | 681411 | 59.44 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 7.88 | 146 | 626317 | 61.33 | ng | | 98 |
| 15) Benzyl Alcohol | 7.91 | 79 | 526898 | 61.21 | ng | | 89 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.10 | 45 | 1296903 | 57.35 | ng | | 88 |
| 17) 2-Methylphenol | 8.12 | 107 | 489811 | 57.03 | ng | # | 86 |
| 18) Hexachloroethane | 8.40 | 117 | 255753 | 58.65 | ng | # | 87 |
| 19) n-Nitroso-di-n-propylamine | 8.34 | 70 | 513022 | 59.01 | ng | # | 69 |
| 20) 3+4-Methylphenols | 8.39 | 107 | 616283 | 54.83 | ng | # | 59 |
| 22) Acetophenone | 8.31 | 105 | 882386 | 60.03 | ng | # | 96 |
| 24) Nitrobenzene | 8.57 | 77 | 726811 | 55.43 | ng | | 97 |
| 25) Isophorone | 8.97 | 82 | 1290212 | 58.33 | ng | | 97 |
| 26) 2-Nitrophenol | 9.07 | 139 | 330479 | 60.06 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 9.21 | 122 | 533321 | 57.03 | ng | | 87 |
| 28) bis(2-Chloroethoxy)methane | 9.34 | 93 | 701264 | 58.34 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 9.47 | 162 | 492582 | 59.35 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 9.58 | 180 | 544125 | 58.89 | ng | | 98 |
| 31) Naphthalene | 9.69 | 128 | 1759593 | 59.32 | ng | | 100 |
| 32) Benzoic acid | 9.56 | 122 | 281443 | 52.20 | ng | # | 77 |
| 33) 4-Chloroaniline | 9.83 | 127 | 656138 | 54.30 | ng | # | 94 |
| 34) Hexachlorobutadiene | 9.90 | 225 | 333675 | 62.95 | ng | | 99 |
| 35) Caprolactam | 10.50 | 113 | 148363m | 56.72 | ng | | |
| 36) 4-Chloro-3-methylphenol | 10.68 | 107 | 541639 | 54.52 | ng | | 90 |
| 37) 2-Methylnaphthalene | 10.81 | 142 | 1072035 | 56.46 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.08 | 216 | 505853 | 62.09 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 11.06 | 237 | 200719 | 79.46 | ng | | 94 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 11.30 | 196 | 308044 | 59.64 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 11.38 | 196 | 312624 | 58.79 | ng | # | 88 |
| 45) 1,1'-Biphenyl | 11.59 | 154 | 1364296 | 60.09 | ng | | 98 |
| 46) 2-Chloronaphthalene | 11.60 | 162 | 985971 | 56.39 | ng | | 94 |
| 47) 2-Nitroaniline | 11.82 | 65 | 406563 | 61.68 | ng | | 85 |
| 48) Acenaphthylene | 12.25 | 152 | 1645021 | 61.13 | ng | | 99 |
| 49) Dimethylphthalate | 12.15 | 163 | 1293821 | 61.74 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 12.23 | 165 | 261436 | 58.79 | ng | # | 75 |
| 51) Acenaphthene | 12.54 | 154 | 991263 | 59.09 | ng | | 99 |
| 52) 3-Nitroaniline | 12.50 | 138 | 293858 | 61.03 | ng | | 96 |
| 53) 2,4-Dinitrophenol | 12.70 | 184 | 133506 | 60.98 | ng | | 86 |
| 54) Dibenzofuran | 12.82 | 168 | 1298781 | 59.52 | ng | | 94 |
| 55) 4-Nitrophenol | 12.87 | 139 | 134719 | 65.36 | ng | # | 66 |
| 56) 2,4-Dinitrotoluene | 12.89 | 165 | 355687 | 61.41 | ng | | 93 |
| 57) Fluorene | 13.38 | 166 | 1153161 | 64.48 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 13.06 | 232 | 241471 | 58.06 | ng | | 98 |
| 59) Diethylphthalate | 13.29 | 149 | 1259696 | 63.70 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 13.41 | 204 | 555675 | 67.11 | ng | | 93 |
| 61) 4-Nitroaniline | 13.51 | 138 | 257382 | 54.84 | ng | # | 68 |
| 62) Azobenzene | 13.66 | 77 | 1347866 | 59.19 | ng | | 86 |
| 64) 4,6-Dinitro-2-methylphenol | 13.55 | 198 | 203623 | 61.19 | ng | # | 55 |
| 65) n-Nitrosodiphenylamine | 13.62 | 169 | 940963 | 59.11 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 14.19 | 248 | 324785 | 61.02 | ng | | 91 |
| 67) Hexachlorobenzene | 14.26 | 284 | 336461 | 56.55 | ng | # | 74 |
| 68) Atrazine | 14.54 | 200 | 245753 | 47.45 | ng | | 93 |
| 69) Pentachlorophenol | 14.62 | 266 | 100568 | 47.00 | ng | | 96 |
| 70) Phenanthrene | 14.93 | 178 | 1549316 | 56.71 | ng | | 100 |
| 71) Anthracene | 15.01 | 178 | 1585214 | 56.13 | ng | | 100 |
| 72) Carbazole | 15.29 | 167 | 1353230 | 53.97 | ng | | 98 |
| 73) Di-n-butylphthalate | 15.86 | 149 | 1806744 | 61.51 | ng | # | 99 |
| 74) Fluoranthene | 16.67 | 202 | 1609745 | 58.01 | ng | | 94 |
| 76) Benzidine | 16.89 | 184 | 548246 | 58.70 | ng | | 98 |
| 77) Pyrene | 16.97 | 202 | 1544112 | 60.42 | ng | | 99 |
| 79) Butylbenzylphthalate | 17.89 | 149 | 772693 | 71.19 | ng | | 89 |
| 80) Benzo(a)anthracene | 18.55 | 228 | 1219393 | 59.07 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 18.54 | 252 | 669704 | 52.32 | ng | | 99 |
| 82) Chrysene | 18.59 | 228 | 1219178 | 61.43 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 18.62 | 149 | 1053541 | 77.08 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 19.39 | 149 | 1648308 | 70.33 | ng | # | 84 |
| 85) Indeno(1,2,3-cd)pyrene | 21.50 | 276 | 1029453 | 59.55 | ng | | 94 |
| 87) Benzo(b)fluoranthene | 19.82 | 252 | 1158945m | 59.17 | ng | | |
| 88) Benzo(k)fluoranthene | 19.85 | 252 | 867857m | 63.33 | ng | | |
| 89) Benzo(a)pyrene | 20.17 | 252 | 948783 | 59.94 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 21.50 | 278 | 858296 | 63.93 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 21.86 | 276 | 862464 | 64.05 | ng | # | 90 |

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

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