Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084662.D
Acq On : 30 Jan 2016 3:46
Operator : SJ/IZ
Sample : H1261-11MS
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SCARBOROUGH1516-00(0-4)MS

**Manual Integrations APPROVED**
mohammad
2/1/2016 2:24:33 PM

Quant Time: Feb 01 07:36:17 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 29 12:54:53 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.73 | 152 | 170956 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.01 | 136 | 668380 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.77 | 164 | 317423 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.24 | 188 | 590820 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.87 | 240 | 409650 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.25 | 264 | 276099 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.33 | 112 | 1344960 | 118.76 | ng | | 0.02 |
| 7) Phenol-d6 | 6.38 | 99 | 1645672 | 121.24 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.30 | 82 | 1164243 | 97.35 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.56 | 330 | 484832 | 145.73 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.09 | 172 | 1864632 | 87.31 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.83 | 244 | 1856693 | 102.36 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.40 | 88 | 187387 | 35.48 | ng | # | 78 |
| 3) Pyridine | 3.06 | 79 | 259542m | 18.45 | ng | | |
| 4) n-Nitrosodimethylamine | 2.98 | 42 | 264544 | 38.46 | ng | # | 84 |
| 6) Aniline | 6.40 | 93 | 67868 | 3.90 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.51 | 128 | 508738 | 40.50 | ng | | 83 |
| 10) Phenol | 6.40 | 94 | 596751 | 39.45 | ng | | 82 |
| 11) bis(2-Chloroethyl)ether | 6.48 | 93 | 542489 | 46.11 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.67 | 146 | 521756 | 38.77 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.74 | 146 | 514862 | 38.98 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.90 | 146 | 530742 | 43.64 | ng | | 98 |
| 15) Benzyl Alcohol | 6.88 | 79 | 367094 | 39.73 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.01 | 45 | 798788 | 39.67 | ng | | 91 |
| 17) 2-Methylphenol | 7.00 | 107 | 429360 | 44.09 | ng | | 93 |
| 18) Hexachloroethane | 7.24 | 117 | 212446 | 41.11 | ng | # | 86 |
| 19) n-Nitroso-di-n-propylamine | 7.15 | 70 | 361953 | 43.65 | ng | # | 74 |
| 20) 3+4-Methylphenols | 7.15 | 107 | 518510 | 43.88 | ng | # | 66 |
| 22) Acetophenone | 7.14 | 105 | 748300 | 42.87 | ng | # | 99 |
| 24) Nitrobenzene | 7.31 | 77 | 509265 | 40.06 | ng | | 94 |
| 25) Isophorone | 7.56 | 82 | 1043319 | 46.56 | ng | | 95 |
| 26) 2-Nitrophenol | 7.63 | 139 | 274403 | 45.39 | ng | # | 84 |
| 27) 2,4-Dimethylphenol | 7.68 | 122 | 453634 | 42.82 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.77 | 93 | 612637 | 45.56 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.88 | 162 | 451525 | 48.73 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 7.95 | 180 | 455753 | 43.02 | ng | | 96 |
| 31) Naphthalene | 8.03 | 128 | 1649568 | 48.89 | ng | | 100 |
| 32) Benzoic acid | 7.81 | 122 | 319944 | 39.35 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.16 | 225 | 274594 | 43.86 | ng | | 99 |
| 35) Caprolactam | 8.46 | 113 | 126293m | 47.50 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.59 | 107 | 496440 | 48.67 | ng | | 93 |
| 37) 2-Methylnaphthalene | 8.73 | 142 | 1109260 | 53.56 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.89 | 216 | 401724 | 39.02 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.88 | 237 | 433519 | 92.62 | ng | | 99 |
| 42) 2,4,6-Trichlorophenol | 9.01 | 196 | 316891 | 49.55 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 9.06 | 196 | 315495 | 47.79 | ng | # | 94 |

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|---|---|---|---|---|---|---|---|
| 45) 1,1'-Biphenyl | 9.20 | 154 | 1241069 | 42.66 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.22 | 162 | 945369 | 44.54 | ng | # | 86 |
| 47) 2-Nitroaniline | 9.31 | 65 | 254960 | 40.00 | ng | | 97 |
| 48) Acenaphthylene | 9.63 | 152 | 1497692 | 46.57 | ng | | 98 |
| 49) Dimethylphthalate | 9.50 | 163 | 1196809 | 50.24 | ng | # | 91 |
| 50) 2,6-Dinitrotoluene | 9.56 | 165 | 268404 | 51.20 | ng | # | 90 |
| 51) Acenaphthene | 9.80 | 154 | 1015677 | 47.16 | ng | | 97 |
| 52) 3-Nitroaniline | 9.72 | 138 | 22684 | 4.14 | ng | | 91 |
| 53) 2,4-Dinitrophenol | 9.84 | 184 | 298611 | 115.45 | ng | | 90 |
| 54) Dibenzofuran | 9.97 | 168 | 1361376 | 52.97 | ng | | 97 |
| 55) 4-Nitrophenol | 9.90 | 139 | 351977 | 87.49 | ng | # | 82 |
| 56) 2,4-Dinitrotoluene | 9.96 | 165 | 339609 | 49.87 | ng | # | 91 |
| 57) Fluorene | 10.32 | 166 | 1049606 | 48.18 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.09 | 232 | 265624 | 53.21 | ng | | 88 |
| 59) Diethylphthalate | 10.20 | 149 | 1168837 | 50.12 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.30 | 204 | 436190 | 44.60 | ng | | 93 |
| 61) 4-Nitroaniline | 10.34 | 138 | 170862 | 32.96 | ng | | 84 |
| 62) Azobenzene | 10.46 | 77 | 1126259 | 50.46 | ng | | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 10.36 | 198 | 173670 | 45.00 | ng | # | 53 |
| 65) n-Nitrosodiphenylamine | 10.43 | 169 | 695177 | 36.29 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.80 | 248 | 329647 | 49.54 | ng | # | 94 |
| 67) Hexachlorobenzene | 10.85 | 284 | 320201 | 44.24 | ng | # | 84 |
| 68) Atrazine | 10.96 | 200 | 137159 | 23.90 | ng | | 96 |
| 69) Pentachlorophenol | 11.06 | 266 | 356426 | 101.93 | ng | | 100 |
| 70) Phenanthrene | 11.26 | 178 | 1437537 | 44.00 | ng | | 97 |
| 71) Anthracene | 11.32 | 178 | 1635699 | 49.24 | ng | | 98 |
| 72) Carbazole | 11.47 | 167 | 816116 | 28.51 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.81 | 149 | 1602392 | 46.02 | ng | # | 96 |
| 74) Fluoranthene | 12.45 | 202 | 1655745 | 51.26 | ng | | 95 |
| 76) Benzidine | 12.59 | 184 | 34603 | 2.22 | ng | # | 93 |
| 77) Pyrene | 12.68 | 202 | 1643305 | 53.19 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.31 | 149 | 744026 | 56.37 | ng | # | 90 |
| 80) Benzo(a)anthracene | 13.86 | 228 | 1195866 | 46.83 | ng | | 98 |
| 82) Chrysene | 13.91 | 228 | 1208111 | 48.00 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.87 | 149 | 926037 | 54.08 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 14.48 | 149 | 1463411 | 54.09 | ng | # | 89 |
| 85) Indeno(1,2,3-cd)pyrene | 16.57 | 276 | 911211 | 40.95 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.88 | 252 | 1196595m | 66.93 | ng | | |
| 88) Benzo(k)fluoranthene | 14.90 | 252 | 803687m | 54.42 | ng | | |
| 89) Benzo(a)pyrene | 15.20 | 252 | 863679m | 55.85 | ng | | |
| 90) Dibenzo(a,h)anthracene | 16.58 | 278 | 775008 | 55.61 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 16.96 | 276 | 768801 | 54.64 | ng | | 98 |

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

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