Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020817\
Data File : BF092872.D
Acq On : 8 Feb 2017 23:58
Operator : SJ/MA
Sample : I1751-04MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROLL-OFF-COMPMS

**Manual Integrations APPROVED**
mohammad
2/9/2017 12:31:31 PM

Quant Time: Feb 09 00:45:30 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 08 23:48:40 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.90 | 152 | 151514 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.18 | 136 | 584360 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.94 | 164 | 337387 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.42 | 188 | 562758 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.07 | 240 | 495391 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.51 | 264 | 366215 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.52 | 112 | 1112770 | 126.00 | ng | | 0.02 |
| 7) Phenol-d6 | 6.54 | 99 | 1374252 | 120.94 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.47 | 82 | 1035801 | 98.71 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.73 | 330 | 378344 | 155.05 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.26 | 172 | 1909171 | 102.52 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.01 | 244 | 1826004 | 86.61 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.67 | 88 | 175428 | 36.76 | ng | # | 73 |
| 3) Pyridine | 3.38 | 79 | 385873m | 31.80 | ng | | |
| 4) n-Nitrosodimethylamine | 3.31 | 42 | 254936 | 44.74 | ng | | 91 |
| 6) Aniline | 6.57 | 93 | 126810 | 8.18 | ng | # | 81 |
| 8) 2-Chlorophenol | 6.69 | 128 | 453725 | 46.57 | ng | | 89 |
| 9) Benzaldehyde | 6.44 | 77 | 113324 | 13.92 | ng | | 89 |
| 10) Phenol | 6.56 | 94 | 470668 | 35.40 | ng | | 79 |
| 11) bis(2-Chloroethyl)ether | 6.64 | 93 | 463041 | 43.64 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 6.84 | 146 | 518991 | 45.48 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.92 | 146 | 504258m | 43.66 | ng | | |
| 14) 1,2-Dichlorobenzene | 7.07 | 146 | 495301 | 44.85 | ng | | 97 |
| 15) Benzyl Alcohol | 7.05 | 79 | 400338 | 47.59 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.18 | 45 | 844989 | 45.83 | ng | | 96 |
| 17) 2-Methylphenol | 7.16 | 107 | 395849 | 47.36 | ng | | 96 |
| 18) Hexachloroethane | 7.41 | 117 | 169278 | 42.93 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 7.32 | 70 | 348918 | 48.24 | ng | # | 94 |
| 20) 3+4-Methylphenols | 7.32 | 107 | 478620 | 47.89 | ng | # | 86 |
| 22) Acetophenone | 7.31 | 105 | 610629 | 45.77 | ng | # | 95 |
| 24) Nitrobenzene | 7.48 | 77 | 469004 | 43.53 | ng | | 99 |
| 25) Isophorone | 7.72 | 82 | 934577 | 47.79 | ng | | 96 |
| 26) 2-Nitrophenol | 7.80 | 139 | 274631 | 53.62 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.85 | 122 | 473501 | 52.64 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 7.94 | 93 | 634685 | 49.01 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.04 | 162 | 417557 | 49.77 | ng | | 88 |
| 30) 1,2,4-Trichlorobenzene | 8.12 | 180 | 416976 | 46.12 | ng | | 95 |
| 31) Naphthalene | 8.20 | 128 | 1293453 | 43.66 | ng | | 99 |
| 32) Benzoic acid | 7.98 | 122 | 244022 | 47.90 | ng | | 86 |
| 33) 4-Chloroaniline | 8.26 | 127 | 58884 | 5.07 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.32 | 225 | 220320 | 44.29 | ng | | 100 |
| 35) Caprolactam | 8.64 | 113 | 118920m | 45.06 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.75 | 107 | 458084 | 52.37 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.90 | 142 | 977035 | 51.37 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.06 | 216 | 396279 | 41.84 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.05 | 237 | 326758 | 76.47 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.17 | 196 | 302488 | 48.61 | ng | | 90 |
| 43) 2,4,5-Trichlorophenol | 9.22 | 196 | 323220 | 47.40 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.36 | 154 | 1073492 | 43.94 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.39 | 162 | 942329 | 49.31 | ng | | 96 |
| 47) 2-Nitroaniline | 9.48 | 65 | 268669 | 41.81 | ng | | 98 |
| 48) Acenaphthylene | 9.80 | 152 | 1444218 | 43.74 | ng | | 99 |
| 49) Dimethylphthalate | 9.66 | 163 | 1086304 | 47.80 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.73 | 165 | 256998 | 52.37 | ng | # | 70 |
| 51) Acenaphthene | 9.97 | 154 | 925233 | 46.87 | ng | | 96 |
| 52) 3-Nitroaniline | 9.89 | 138 | 26092 | 4.65 | ng | # | 79 |
| 53) 2,4-Dinitrophenol | 10.01 | 184 | 249608 | 98.80 | ng | # | 78 |
| 54) Dibenzofuran | 10.14 | 168 | 1238478 | 46.91 | ng | | 97 |
| 55) 4-Nitrophenol | 10.08 | 139 | 391176 | 96.70 | ng | | 83 |
| 56) 2,4-Dinitrotoluene | 10.13 | 165 | 317708 | 48.62 | ng | | 96 |
| 57) Fluorene | 10.49 | 166 | 964312 | 47.48 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.27 | 232 | 250666 | 55.11 | ng | | 96 |
| 59) Diethylphthalate | 10.36 | 149 | 1043232 | 48.71 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.48 | 204 | 413619 | 42.39 | ng | | 92 |
| 61) 4-Nitroaniline | 10.51 | 138 | 185379 | 32.23 | ng | | 93 |
| 62) Azobenzene | 10.64 | 77 | 1114438 | 50.37 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.54 | 198 | 195910 | 56.68 | ng | | 93 |
| 65) n-Nitrosodiphenylamine | 10.60 | 169 | 829524 | 46.14 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.97 | 248 | 273527 | 46.52 | ng | | 96 |
| 67) Hexachlorobenzene | 11.04 | 284 | 285471 | 49.13 | ng | | 96 |
| 68) Atrazine | 11.13 | 200 | 218942 | 37.95 | ng | | 97 |
| 69) Pentachlorophenol | 11.23 | 266 | 295450 | 96.84 | ng | | 97 |
| 70) Phenanthrene | 11.45 | 178 | 1401625 | 43.47 | ng | | 98 |
| 71) Anthracene | 11.50 | 178 | 1631045 | 50.38 | ng | | 98 |
| 72) Carbazole | 11.65 | 167 | 1123585 | 36.30 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.99 | 149 | 1791525 | 53.52 | ng | # | 97 |
| 74) Fluoranthene | 12.64 | 202 | 1511344 | 45.44 | ng | | 97 |
| 77) Pyrene | 12.87 | 202 | 1528363 | 41.23 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.48 | 149 | 785972 | 52.21 | ng | | 87 |
| 80) Benzo(a)anthracene | 14.05 | 228 | 1355099 | 44.72 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.01 | 252 | 58481 | 5.41 | ng | | 96 |
| 82) Chrysene | 14.09 | 228 | 1073853 | 37.85 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.04 | 149 | 1048847 | 50.94 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 14.65 | 149 | 1737422 | 51.82 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.95 | 276 | 1150010 | 52.34 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 15.09 | 252 | 1262337 | 52.37 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 15.13 | 252 | 1182389m | 56.81 | ng | | |
| 89) Benzo(a)pyrene | 15.45 | 252 | 1143689 | 54.85 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 16.97 | 278 | 962030 | 57.09 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.38 | 276 | 974060 | 57.22 | ng | # | 91 |

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

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