Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
Data File : BF087931.D
Acq On : 12 Jun 2016 6:20
Operator : UM/SJ
Sample : H3501-25MS
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW1MS

**Manual Integrations APPROVED**
umangi
6/13/2016 7:44:46 PM

Quant Time: Jun 13 12:15:51 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 01:40:32 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 105046 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 431870 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 213031 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.33 | 188 | 381575 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.97 | 240 | 273415 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.37 | 264 | 235975 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.39 | 112 | 462760 | 75.31 | ng | | 0.00 |
| 7) Phenol-d6 | 6.44 | 99 | 401799 | 53.96 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 718140 | 97.10 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.64 | 330 | 252666 | 112.33 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.18 | 172 | 1221245 | 90.41 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.91 | 244 | 1007947 | 83.89 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.39 | 88 | 52999 | 17.75 | ng | # | 28 |
| 3) Pyridine | 3.11 | 79 | 115078 | 16.32 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.03 | 42 | 66294 | 22.20 | ng | | 86 |
| 6) Aniline | 6.47 | 93 | 193987 | 18.30 | ng | | 98 |
| 8) 2-Chlorophenol | 6.59 | 128 | 320344 | 44.05 | ng | | 84 |
| 9) Benzaldehyde | 6.34 | 77 | 26644 | 4.56 | ng | | 94 |
| 10) Phenol | 6.46 | 94 | 168057 | 20.50 | ng | # | 67 |
| 11) bis(2-Chloroethyl)ether | 6.54 | 93 | 326322 | 49.97 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.74 | 146 | 342401 | 43.88 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.82 | 146 | 363490 | 46.24 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.97 | 146 | 312249m | 43.68 | ng | | |
| 15) Benzyl Alcohol | 6.95 | 79 | 193042 | 33.13 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45 | 448314 | 50.82 | ng | | 89 |
| 17) 2-Methylphenol | 7.07 | 107 | 222947 | 37.80 | ng | | 99 |
| 18) Hexachloroethane | 7.31 | 117 | 120602 | 43.24 | ng | # | 83 |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70 | 273569 | 57.42 | ng | # | 87 |
| 20) 3+4-Methylphenols | 7.22 | 107 | 231349 | 33.62 | ng | # | 39 |
| 22) Acetophenone | 7.22 | 105 | 523722 | 54.26 | ng | | 97 |
| 24) Nitrobenzene | 7.39 | 77 | 396335 | 55.32 | ng | | 92 |
| 25) Isophorone | 7.63 | 82 | 649355 | 47.40 | ng | | 99 |
| 26) 2-Nitrophenol | 7.71 | 139 | 219524 | 57.20 | ng | # | 75 |
| 27) 2,4-Dimethylphenol | 7.76 | 122 | 348666 | 49.35 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93 | 472529 | 55.61 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.95 | 162 | 293092 | 49.68 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.03 | 180 | 292440 | 45.52 | ng | | 100 |
| 31) Naphthalene | 8.11 | 128 | 995734 | 46.59 | ng | | 100 |
| 32) Benzoic acid | 7.87 | 122 | 103823 | 26.68 | ng | | 97 |
| 33) 4-Chloroaniline | 8.17 | 127 | 139993 | 14.67 | ng | # | 91 |
| 34) Hexachlorobutadiene | 8.24 | 225 | 159466 | 47.07 | ng | | 98 |
| 35) Caprolactam | 8.58 | 113 | 21623 | 11.07 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.65 | 107 | 289331 | 45.86 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.81 | 142 | 750523 | 53.28 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 274603 | 52.46 | ng | # | 1 |
| 40) Hexachlorocyclopentadiene | 8.96 | 237 | 268313 | 78.08 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.08 | 196 | 216510 | 50.82 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 9.14 | 196 | 231136 | 52.15 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.28 | 154 | 899667 | 58.07 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.30 | 162 | 709497 | 51.47 | ng | # | 92 |
| 47) 2-Nitroaniline | 9.39 | 65 | 191158 | 47.01 | ng | | 92 |
| 48) Acenaphthylene | 9.71 | 152 | 1078225 | 49.17 | ng | | 99 |
| 49) Dimethylphthalate | 9.59 | 163 | 874150 | 56.65 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.64 | 165 | 214557 | 60.71 | ng | | 93 |
| 51) Acenaphthene | 9.88 | 154 | 778452 | 56.91 | ng | | 99 |
| 52) 3-Nitroaniline | 9.80 | 138 | 96844 | 23.75 | ng | | 93 |
| 53) 2,4-Dinitrophenol | 9.92 | 184 | 221183 | 105.63 | ng | # | 70 |
| 54) Dibenzofuran | 10.06 | 168 | 940261 | 49.91 | ng | # | 91 |
| 55) 4-Nitrophenol | 9.98 | 139 | 117854 | 37.24 | ng | | 93 |
| 56) 2,4-Dinitrotoluene | 10.04 | 165 | 273411 | 60.20 | ng | | 96 |
| 57) Fluorene | 10.40 | 166 | 732441 | 59.04 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.17 | 232 | 166499 | 47.80 | ng | # | 54 |
| 59) Diethylphthalate | 10.27 | 149 | 730009 | 46.73 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.39 | 204 | 272810 | 43.55 | ng | | 95 |
| 61) 4-Nitroaniline | 10.42 | 138 | 120749 | 31.22 | ng | | 90 |
| 62) Azobenzene | 10.55 | 77 | 758367 | 49.10 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 10.44 | 198 | 120071 | 50.30 | ng | | 95 |
| 65) n-Nitrosodiphenylamine | 10.51 | 169 | 669199 | 52.85 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.88 | 248 | 204993 | 50.08 | ng | # | 90 |
| 67) Hexachlorobenzene | 10.95 | 284 | 227665 | 53.53 | ng | # | 72 |
| 68) Atrazine | 11.05 | 200 | 211548 | 55.18 | ng | | 94 |
| 69) Pentachlorophenol | 11.14 | 266 | 238868 | 106.54 | ng | | 98 |
| 70) Phenanthrene | 11.36 | 178 | 1122069 | 56.04 | ng | | 99 |
| 71) Anthracene | 11.41 | 178 | 928508 | 45.97 | ng | | 100 |
| 72) Carbazole | 11.57 | 167 | 1026373 | 54.30 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.90 | 149 | 1079637 | 45.12 | ng | | 99 |
| 74) Fluoranthene | 12.54 | 202 | 982235 | 46.48 | ng | | 98 |
| 77) Pyrene | 12.77 | 202 | 996321 | 49.11 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.39 | 149 | 533003 | 59.42 | ng | | 94 |
| 80) Benzo(a)anthracene | 13.95 | 228 | 723448 | 46.43 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.93 | 252 | 10026 | 2.39 | ng | # | 84 |
| 82) Chrysene | 13.99 | 228 | 751901 | 51.30 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.95 | 149 | 564069 | 51.66 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 14.56 | 149 | 1063522 | 59.94 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.75 | 276 | 781710 | 57.40 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 14.97 | 252 | 960561m | 58.40 | ng | | |
| 88) Benzo(k)fluoranthene | 15.01 | 252 | 520449m | 41.95 | ng | | |
| 89) Benzo(a)pyrene | 15.33 | 252 | 720513 | 54.15 | ng | # | 92 |
| 90) Dibenzo(a,h)anthracene | 16.77 | 278 | 639113 | 51.71 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.17 | 276 | 598134 | 47.05 | ng | | 97 |

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

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