Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
Data File : BF103587.D
Acq On : 12 Mar 2018 17:41
Operator : SJ/JU
Sample : J1867-13MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
J1867-09MSMS

**Manual Integrations APPROVED**
Sohil
3/13/2018 4:15:42 PM

Quant Time: Mar 13 09:09:59 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 09 11:47:13 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.86 | 152 | 117561 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.14 | 136 | 501352 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.90 | 164 | 228681 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.40 | 188 | 402592 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.06 | 240 | 296848 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.56 | 264 | 285512 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.49 | 112 | 586971 | 75.51 | ng | | 0.00 |
| 7) Phenol-d6 | 6.51 | 99 | 493776 | 51.91 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 896791 | 102.15 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 254627 | 131.55 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.22 | 172 | 1278914 | 100.59 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.99 | 244 | 1211890 | 98.14 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.63 | 88 | 72726 | 17.71 | ng | | 94 |
| 3) Pyridine | 3.52 | 79 | 160014m | 14.60 | ng | | |
| 4) n-Nitrosodimethylamine | 3.46 | 42 | 98700m | 22.33 | ng | | |
| 6) Aniline | 6.53 | 93 | 241009 | 17.56 | ng | # | 64 |
| 8) 2-Chlorophenol | 6.65 | 128 | 341770 | 42.33 | ng | | 92 |
| 9) Benzaldehyde | 6.42 | 77 | 218780 | 37.03 | ng | | 98 |
| 10) Phenol | 6.53 | 94 | 186387 | 16.88 | ng | # | 44 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 375666 | 44.83 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.80 | 146 | 376368 | 40.79 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.87 | 146 | 402510 | 43.51 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.03 | 146 | 346472 | 40.61 | ng | | 100 |
| 15) Benzyl Alcohol | 7.02 | 79 | 219918 | 30.68 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45 | 667916 | 46.41 | ng | | 64 |
| 17) 2-Methylphenol | 7.13 | 107 | 245356 | 33.44 | ng | # | 72 |
| 18) Hexachloroethane | 7.36 | 117 | 139744 | 41.49 | ng | # | 88 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 312798 | 52.84 | ng | | 92 |
| 20) 3+4-Methylphenols | 7.29 | 107 | 306156 | 34.23 | ng | # | 67 |
| 22) Acetophenone | 7.27 | 105 | 569758 | 48.69 | ng | # | 95 |
| 24) Nitrobenzene | 7.45 | 77 | 458281 | 47.41 | ng | | 97 |
| 25) Isophorone | 7.68 | 82 | 872509 | 50.46 | ng | | 97 |
| 26) 2-Nitrophenol | 7.76 | 139 | 225952 | 49.66 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 342508 | 49.25 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 527447 | 51.89 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.02 | 162 | 324420 | 48.72 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.08 | 180 | 303470 | 42.80 | ng | | 97 |
| 31) Naphthalene | 8.16 | 128 | 1144280 | 46.62 | ng | | 99 |
| 32) Benzoic acid | 7.93 | 122 | 52741 | 15.66 | ng | | 94 |
| 33) 4-Chloroaniline | 8.23 | 127 | 171979 | 16.24 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.27 | 225 | 142399 | 38.56 | ng | | 98 |
| 35) Caprolactam | 8.60 | 113 | 58013 | 24.79 | ng | # | 78 |
| 36) 4-Chloro-3-methylphenol | 8.72 | 107 | 352668 | 46.96 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 746808 | 47.08 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 284106 | 45.44 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.00 | 237 | 90566 | 45.42 | ng | | 95 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.15 | 196 | 192098 | 45.67 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.20 | 196 | 197970 | 40.92 | ng | | 98 |
| 45) 1,1'-Biphenyl | 9.32 | 154 | 844865 | 44.09 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.35 | 162 | 683871 | 45.11 | ng | | 98 |
| 47) 2-Nitroaniline | 9.46 | 65 | 288130 | 51.31 | ng | | 89 |
| 48) Acenaphthylene | 9.76 | 152 | 998198 | 42.79 | ng | | 98 |
| 49) Dimethylphthalate | 9.62 | 163 | 833197 | 45.42 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.70 | 165 | 179469 | 46.62 | ng | # | 74 |
| 51) Acenaphthene | 9.93 | 154 | 614986 | 45.22 | ng | | 100 |
| 52) 3-Nitroaniline | 9.88 | 138 | 112085 | 22.95 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 10.00 | 184 | 115193 | 82.50 | ng | # | 17 |
| 54) Dibenzofuran | 10.11 | 168 | 907157 | 48.59 | ng | | 95 |
| 55) 4-Nitrophenol | 10.07 | 139 | 47481m | 15.68 | ng | | |
| 56) 2,4-Dinitrotoluene | 10.12 | 165 | 233979 | 48.06 | ng | # | 81 |
| 57) Fluorene | 10.46 | 166 | 754459 | 47.43 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.24 | 232 | 149041 | 45.86 | ng | | 97 |
| 59) Diethylphthalate | 10.32 | 149 | 822780 | 46.89 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.44 | 204 | 315703 | 46.81 | ng | | 98 |
| 61) 4-Nitroaniline | 10.50 | 138 | 212296 | 43.52 | ng | | 97 |
| 62) Azobenzene | 10.60 | 77 | 816460 | 45.72 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.53 | 198 | 93376 | 39.14 | ng | | 95 |
| 65) n-Nitrosodiphenylamine | 10.56 | 169 | 624918 | 44.58 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.93 | 248 | 188941 | 45.05 | ng | | 91 |
| 67) Hexachlorobenzene | 11.01 | 284 | 203206 | 44.64 | ng | # | 90 |
| 68) Atrazine | 11.09 | 200 | 196649 | 46.67 | ng | | 97 |
| 69) Pentachlorophenol | 11.21 | 266 | 135722 | 61.67 | ng | | 97 |
| 70) Phenanthrene | 11.43 | 178 | 1013937 | 45.76 | ng | | 99 |
| 71) Anthracene | 11.48 | 178 | 1068894 | 47.05 | ng | | 100 |
| 72) Carbazole | 11.64 | 167 | 1068123 | 47.21 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.94 | 149 | 1289291 | 45.54 | ng | | 100 |
| 74) Fluoranthene | 12.62 | 202 | 1064600 | 47.82 | ng | | 99 |
| 76) Benzidine | 12.74 | 184 | 255027 | 22.98 | ng | | 99 |
| 77) Pyrene | 12.85 | 202 | 1078048 | 46.58 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.45 | 149 | 585940 | 47.92 | ng | | 100 |
| 80) Benzo(a)anthracene | 14.05 | 228 | 927456 | 48.15 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.00 | 252 | 178572 | 25.98 | ng | | 96 |
| 82) Chrysene | 14.09 | 228 | 915831 | 48.97 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 733634 | 44.46 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 14.62 | 149 | 1328104 | 49.81 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 17.12 | 276 | 783262 | 52.90 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.12 | 252 | 908217 | 48.38 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 15.15 | 252 | 770106 | 43.57 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.50 | 252 | 795034 | 47.43 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 17.12 | 278 | 652225 | 50.35 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.59 | 276 | 685855 | 54.18 | ng | | 98 |

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

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