Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021416\
Data File : BF085065.D
Acq On : 13 Feb 2016 3:48
Operator : SJ/IZ
Sample : H1396-07MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** S4-B003(10-12)MSD

**Manual Integrations APPROVED**
Sohil
2/15/2016 4:44:46 PM

Quant Time: Feb 13 06:43:56 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 13 00:11:18 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 5.88 | 152 | 145953 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.78 | 136 | 654048 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 10.58 | 164 | 297744 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.99 | 188 | 531089 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 17.18 | 240 | 339258 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 18.80 | 264 | 279888 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.15 | 112 | 915928 | 109.73 | ng | | -0.01 |
| 7) Phenol-d6 | 5.44 | 99 | 1386307 | 124.62 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 6.71 | 82 | 886050 | 80.00 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 11.88 | 330 | 347520 | 113.00 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.53 | 172 | 1261843 | 60.58 | ng | | 0.00 |
| 78) Terphenyl-d14 | 15.62 | 244 | 984590 | 59.73 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.02 | 88 | 116337 | 33.83 | ng | | 99 |
| 3) Pyridine | 2.47 | 79 | 246410 | 30.67 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 2.46 | 42 | 119282 | 28.86 | ng | # | 98 |
| 6) Aniline | 5.46 | 93 | 220349 | 18.11 | ng | # | 80 |
| 8) 2-Chlorophenol | 5.59 | 128 | 418853 | 40.82 | ng | | 95 |
| 9) Benzaldehyde | 5.42 | 77 | 107126 | 17.88 | ng | | 92 |
| 10) Phenol | 5.46 | 94 | 503579 | 38.70 | ng | | 85 |
| 11) bis(2-Chloroethyl)ether | 5.53 | 93 | 436712 | 38.57 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 5.79 | 146 | 378041 | 37.05 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 5.91 | 146 | 388876 | 34.25 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.11 | 146 | 425329 | 39.85 | ng | | 99 |
| 15) Benzyl Alcohol | 6.19 | 79 | 220424 | 32.43 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.30 | 45 | 677048 | 39.50 | ng | | 94 |
| 17) 2-Methylphenol | 6.33 | 107 | 243378 | 32.76 | ng | | 95 |
| 18) Hexachloroethane | 6.58 | 117 | 168735 | 40.33 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 6.50 | 70 | 286222 | 40.84 | ng | | 95 |
| 20) 3+4-Methylphenols | 6.57 | 107 | 290554 | 32.48 | ng | # | 81 |
| 22) Acetophenone | 6.50 | 105 | 607204 | 36.22 | ng | # | 96 |
| 24) Nitrobenzene | 6.74 | 77 | 335648 | 27.74 | ng | | 99 |
| 25) Isophorone | 7.10 | 82 | 785978 | 39.56 | ng | | 97 |
| 26) 2-Nitrophenol | 7.23 | 139 | 223030 | 38.45 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.35 | 122 | 366341 | 39.03 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.47 | 93 | 496439 | 40.25 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.63 | 162 | 322718 | 37.83 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.70 | 180 | 381052 | 38.75 | ng | | 99 |
| 31) Naphthalene | 7.82 | 128 | 1271719 | 40.10 | ng | | 99 |
| 33) 4-Chloroaniline | 8.03 | 127 | 127779 | 10.62 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.01 | 225 | 208607 | 37.88 | ng | | 96 |
| 35) Caprolactam | 8.57 | 113 | 80932m | 35.29 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.81 | 107 | 359001 | 37.12 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.92 | 142 | 792175 | 39.16 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.19 | 216 | 365128 | 37.95 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.16 | 237 | 249152 | 64.35 | ng | | 97 |
| 42) 2,4,6-Trichlorophenol | 9.43 | 196 | 187631 | 35.37 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.51 | 196 | 249540 | 40.43 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.69 | 154 | 1036019 | 38.25 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.70 | 162 | 762138 | 39.71 | ng | | 100 |
| 47) 2-Nitroaniline | 9.94 | 65 | 232961 | 39.32 | ng | | 97 |
| 48) Acenaphthylene | 10.35 | 152 | 1159353 | 38.05 | ng | | 99 |
| 49) Dimethylphthalate | 10.23 | 163 | 1112098 | 49.82 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 10.33 | 165 | 175716 | 38.37 | ng | # | 90 |
| 51) Acenaphthene | 10.64 | 154 | 710804 | 38.58 | ng | | 99 |
| 52) 3-Nitroaniline | 10.66 | 138 | 123687 | 24.31 | ng | | 99 |
| 53) 2,4-Dinitrophenol | 10.81 | 184 | 81859 | 45.91 | ng | | 98 |
| 54) Dibenzofuran | 10.92 | 168 | 1039094 | 42.17 | ng | | 99 |
| 55) 4-Nitrophenol | 11.04 | 139 | 209604 | 64.20 | ng | | 91 |
| 56) 2,4-Dinitrotoluene | 10.99 | 165 | 251947 | 40.38 | ng | | 93 |
| 57) Fluorene | 11.48 | 166 | 828285 | 39.19 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 11.16 | 232 | 227519 | 46.60 | ng | # | 97 |
| 59) Diethylphthalate | 11.38 | 149 | 865981 | 39.15 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 11.51 | 204 | 392879 | 38.80 | ng | | 95 |
| 61) 4-Nitroaniline | 11.64 | 138 | 168362 | 36.01 | ng | | 97 |
| 62) Azobenzene | 11.76 | 77 | 898532 | 42.16 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 11.64 | 198 | 100228 | 34.33 | ng | | 85 |
| 65) n-Nitrosodiphenylamine | 11.72 | 169 | 684835 | 40.61 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 12.30 | 248 | 240539 | 40.66 | ng | | 95 |
| 67) Hexachlorobenzene | 12.35 | 284 | 256855 | 40.61 | ng | | 92 |
| 68) Atrazine | 12.64 | 200 | 180309 | 36.89 | ng | | 97 |
| 69) Pentachlorophenol | 12.72 | 266 | 194811 | 71.67 | ng | | 97 |
| 70) Phenanthrene | 13.03 | 178 | 1118667 | 38.20 | ng | | 98 |
| 71) Anthracene | 13.12 | 178 | 1268186 | 41.44 | ng | | 99 |
| 72) Carbazole | 13.43 | 167 | 1048962 | 41.40 | ng | | 99 |
| 73) Di-n-butylphthalate | 14.03 | 149 | 1292140 | 38.85 | ng | | 99 |
| 74) Fluoranthene | 14.96 | 202 | 1121511 | 38.44 | ng | | 100 |
| 76) Benzidine | 15.28 | 184 | 155776 | 22.55 | ng | | 98 |
| 77) Pyrene | 15.31 | 202 | 1111714 | 40.97 | ng | | 98 |
| 79) Butylbenzylphthalate | 16.45 | 149 | 460118 | 40.32 | ng | | 99 |
| 80) Benzo(a)anthracene | 17.17 | 228 | 755223 | 38.44 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 17.18 | 252 | 103941 | 18.21 | ng | | 99 |
| 82) Chrysene | 17.21 | 228 | 735721 | 38.62 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 17.27 | 149 | 599572 | 39.96 | ng | | 99 |
| 84) Di-n-octyl phthalate | 18.02 | 149 | 882769 | 41.41 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 20.09 | 276 | 708357 | 44.75 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 18.41 | 252 | 642830m | 35.03 | ng | | |
| 88) Benzo(k)fluoranthene | 18.43 | 252 | 604204m | 41.22 | ng | | |
| 89) Benzo(a)pyrene | 18.74 | 252 | 595756 | 38.39 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 20.11 | 278 | 603590 | 40.98 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 20.48 | 276 | 604880 | 39.55 | ng | | 97 |

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

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