Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062316\
Data File : BF088318.D
Acq On : 24 Jun 2016 6:37
Operator : UM/SJ
Sample : H3683-05MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-03-COMPMS

**Manual Integrations APPROVED**
sohil
6/24/2016 1:32:47 PM

Quant Time: Jun 24 12:58:37 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 24 01:47:17 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.59 | 152 | 78958m | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.88 | 136 | 318909 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.63 | 164 | 142740 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.11 | 188 | 247035 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.74 | 240 | 145705 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.09 | 264 | 158856 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.19 | 112 | 435056 | 94.20 | ng | | 0.00 |
| 7) Phenol-d6 | 6.27 | 99 | 625460 | 111.74 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.18 | 82 | 390267 | 71.46 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.42 | 330 | 165762 | 109.98 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 8.96 | 172 | 725688 | 79.51 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.69 | 244 | 573364 | 89.55 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.03 | 88 | 32764 | 14.60 | ng | # | 28 |
| 3) Pyridine | 2.71 | 79 | 96883 | 18.28 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 2.64 | 42 | 44140 | 19.67 | ng | | 80 |
| 6) Aniline | 6.26 | 93 | 196244m | 24.63 | ng | | |
| 8) 2-Chlorophenol | 6.39 | 128 | 186082 | 34.04 | ng | | 89 |
| 10) Phenol | 6.28 | 94 | 244700 | 42.19 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.34 | 93 | 177195 | 36.10 | ng | | 85 |
| 12) 1,3-Dichlorobenzene | 6.54 | 146 | 148130m | 25.25 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.62 | 146 | 159504m | 27.00 | ng | | |
| 14) 1,2-Dichlorobenzene | 6.76 | 146 | 157701 | 29.35 | ng | | 96 |
| 15) Benzyl Alcohol | 6.76 | 79 | 151896 | 34.69 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.89 | 45 | 177177 | 26.72 | ng | # | 1 |
| 17) 2-Methylphenol | 6.89 | 107 | 156931m | 35.40 | ng | | |
| 18) Hexachloroethane | 7.10 | 117 | 54098 | 25.80 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 7.03 | 70 | 135347m | 37.80 | ng | | |
| 20) 3+4-Methylphenols | 7.05 | 107 | 221151 | 42.75 | ng | # | 78 |
| 22) Acetophenone | 7.02 | 105 | 274212 | 38.48 | ng | # | 96 |
| 24) Nitrobenzene | 7.19 | 77 | 184717 | 34.92 | ng | | 89 |
| 25) Isophorone | 7.43 | 82 | 379054 | 37.47 | ng | | 98 |
| 26) 2-Nitrophenol | 7.51 | 139 | 115015 | 40.59 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 7.56 | 122 | 157133 | 30.12 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.64 | 93 | 232666 | 37.08 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 7.76 | 162 | 189751 | 43.56 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.83 | 180 | 160647 | 33.87 | ng | | 99 |
| 31) Naphthalene | 7.91 | 128 | 571114 | 36.19 | ng | | 98 |
| 32) Benzoic acid | 7.74 | 122 | 99481 | 34.63 | ng | | 92 |
| 33) 4-Chloroaniline | 7.98 | 127 | 205740 | 29.19 | ng | # | 92 |
| 34) Hexachlorobutadiene | 8.02 | 225 | 83063 | 33.20 | ng | | 97 |
| 35) Caprolactam | 8.35 | 113 | 65892m | 45.66 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.48 | 107 | 203989 | 43.78 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.59 | 142 | 397065m | 38.17 | ng | | |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.76 | 216 | 172486 | 47.22 | ng | # | 1 |
| 40) Hexachlorocyclopentadiene | 8.74 | 237 | 23693 | 10.29 | ng | | 99 |
| 42) 2,4,6-Trichlorophenol | 8.89 | 196 | 118397 | 41.48 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 8.95 | 196 | 119261 | 40.16 | ng | | 99 |
| 45) 1,1'-Biphenyl | 9.06 | 154 | 519662 | 49.06 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.08 | 162 | 403086 | 43.64 | ng | | 97 |
| 47) 2-Nitroaniline | 9.20 | 65 | 122838 | 45.08 | ng | # | 69 |
| 48) Acenaphthylene | 9.50 | 152 | 629104 | 42.82 | ng | | 99 |
| 49) Dimethylphthalate | 9.37 | 163 | 648741 | 62.74 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.44 | 165 | 115783 | 48.90 | ng | # | 83 |
| 51) Acenaphthene | 9.67 | 154 | 377804 | 41.22 | ng | | 99 |
| 52) 3-Nitroaniline | 9.61 | 138 | 98807 | 36.16 | ng | | 89 |
| 53) 2,4-Dinitrophenol | 9.72 | 184 | 53107 | 46.44 | ng | # | 89 |
| 54) Dibenzofuran | 9.84 | 168 | 544398 | 43.13 | ng | # | 90 |
| 55) 4-Nitrophenol | 9.83 | 139 | 156480m | 73.78 | ng | | |
| 56) 2,4-Dinitrotoluene | 9.84 | 165 | 134332 | 44.14 | ng | # | 25 |
| 57) Fluorene | 10.18 | 166 | 433403 | 51.51 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.96 | 232 | 101555 | 43.51 | ng | # | 55 |
| 59) Diethylphthalate | 10.07 | 149 | 492057 | 47.01 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.17 | 204 | 180593 | 43.02 | ng | | 95 |
| 61) 4-Nitroaniline | 10.23 | 138 | 105721 | 40.79 | ng | | 99 |
| 62) Azobenzene | 10.33 | 77 | 457266 | 44.18 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.25 | 198 | 51439 | 34.01 | ng | | 95 |
| 65) n-Nitrosodiphenylamine | 10.30 | 169 | 381506 | 46.54 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.66 | 248 | 123832 | 46.72 | ng | | 93 |
| 67) Hexachlorobenzene | 10.72 | 284 | 125198 | 45.47 | ng | | 97 |
| 68) Atrazine | 10.83 | 200 | 125377 | 50.51 | ng | | 93 |
| 69) Pentachlorophenol | 10.92 | 266 | 89748 | 61.83 | ng | | 97 |
| 70) Phenanthrene | 11.13 | 178 | 597199 | 46.07 | ng | | 99 |
| 71) Anthracene | 11.19 | 178 | 641524 | 49.06 | ng | | 99 |
| 72) Carbazole | 11.35 | 167 | 566112 | 46.26 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.68 | 149 | 752545 | 48.58 | ng | | 99 |
| 74) Fluoranthene | 12.31 | 202 | 552007 | 40.35 | ng | | 98 |
| 76) Benzidine | 12.45 | 184 | 238025 | 59.00 | ng | | 98 |
| 77) Pyrene | 12.54 | 202 | 539290 | 49.88 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.17 | 149 | 275466 | 57.63 | ng | | 96 |
| 80) Benzo(a)anthracene | 13.73 | 228 | 395626 | 47.65 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.69 | 252 | 122446 | 54.84 | ng | # | 97 |
| 82) Chrysene | 13.76 | 228 | 429061 | 54.93 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.73 | 149 | 315866 | 54.28 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 14.33 | 149 | 557653 | 58.98 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.34 | 276 | 406796 | 56.05 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 14.72 | 252 | 584304m | 52.77 | ng | | |
| 88) Benzo(k)fluoranthene | 14.75 | 252 | 262785m | 31.46 | ng | | |
| 89) Benzo(a)pyrene | 15.04 | 252 | 420310 | 46.92 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 16.34 | 278 | 347306 | 41.74 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 16.71 | 276 | 342371 | 40.00 | ng | | 97 |

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

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