Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122116\
Data File : BF091850.D
Acq On : 21 Dec 2016 22:56
Operator : UM/SJ
Sample : H6103-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
LOQ-WATER-06-QT1-2017

**Manual Integrations APPROVED**
sohil
12/22/2016 7:09:01 PM

Quant Time: Dec 22 14:17:09 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 16:17:51 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.75 | 152 | 332358 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.03 | 136 | 1357798 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.78 | 164 | 717786 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.26 | 188 | 913667 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.89 | 240 | 667143 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.29 | 264 | 678485 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 2403153 | 120.73 | ng | | 0.02 |
| 7) Phenol-d6 | 6.40 | 99 | 3212908 | 132.21 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.31 | 82 | 2578273 | 105.59 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.58 | 330 | 701852 | 118.15 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.12 | 172 | 3820179 | 113.35 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.85 | 244 | 2359032 | 85.76 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.43 | 88 | 148259 | 15.13 | ng | | 97 |
| 3) Pyridine | 3.14 | 79 | 422816m | 12.36 | ng | | |
| 4) n-Nitrosodimethylamine | 3.05 | 42 | 156852 | 12.16 | ng | | 97 |
| 6) Aniline | 6.41 | 93 | 318799 | 10.10 | ng | # | 81 |
| 8) 2-Chlorophenol | 6.53 | 128 | 403493 | 17.82 | ng | | 97 |
| 9) Benzaldehyde | 6.29 | 77 | 267142 | 15.70 | ng | | 93 |
| 10) Phenol | 6.41 | 94 | 423557 | 15.29 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 6.49 | 93 | 385500 | 17.50 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.68 | 146 | 399665m | 16.54 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.76 | 146 | 414373 | 16.84 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.92 | 146 | 342562 | 16.05 | ng | | 95 |
| 15) Benzyl Alcohol | 6.89 | 79 | 307231 | 16.27 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.02 | 45 | 599950 | 18.28 | ng | | 88 |
| 17) 2-Methylphenol | 7.01 | 107 | 319166 | 17.53 | ng | | 98 |
| 18) Hexachloroethane | 7.25 | 117 | 149754 | 16.42 | ng | # | 86 |
| 19) n-Nitroso-di-n-propylamine | 7.16 | 70 | 270899 | 16.76 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.17 | 107 | 413838 | 19.05 | ng | # | 73 |
| 22) Acetophenone | 7.16 | 105 | 578822 | 17.28 | ng | # | 92 |
| 24) Nitrobenzene | 7.33 | 77 | 448860 | 17.26 | ng | | 92 |
| 25) Isophorone | 7.57 | 82 | 746433 | 16.57 | ng | | 98 |
| 26) 2-Nitrophenol | 7.65 | 139 | 210967 | 16.45 | ng | # | 82 |
| 27) 2,4-Dimethylphenol | 7.70 | 122 | 372930 | 17.53 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 7.79 | 93 | 478188 | 17.50 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 7.89 | 162 | 297533 | 16.52 | ng | | 89 |
| 30) 1,2,4-Trichlorobenzene | 7.97 | 180 | 326504 | 16.54 | ng | | 95 |
| 31) Naphthalene | 8.05 | 128 | 1141746 | 18.37 | ng | | 99 |
| 32) Benzoic acid | 7.80 | 122 | 218200 | 13.83 | ng | | 98 |
| 33) 4-Chloroaniline | 8.11 | 127 | 316640 | 11.30 | ng | # | 93 |
| 34) Hexachlorobutadiene | 8.18 | 225 | 178332 | 17.12 | ng | | 99 |
| 35) Caprolactam | 8.45 | 113 | 92069 | 15.55 | ng | # | 58 |
| 36) 4-Chloro-3-methylphenol | 8.60 | 107 | 324059 | 15.63 | ng | # | 81 |
| 37) 2-Methylnaphthalene | 8.75 | 142 | 720473m | 15.27 | ng | | |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.91 | 216 | 297405 | 16.40 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.90 | 237 | 93020 | 14.92 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.02 | 196 | 203300 | 16.03 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 9.07 | 196 | 206531 | 15.82 | ng | # | 92 |
| 45) 1,1'-Biphenyl | 9.21 | 154 | 868461 | 17.67 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.23 | 162 | 655348 | 16.84 | ng | | 96 |
| 47) 2-Nitroaniline | 9.33 | 65 | 233276 | 16.83 | ng | # | 76 |
| 48) Acenaphthylene | 9.64 | 152 | 1025060 | 17.12 | ng | | 99 |
| 49) Dimethylphthalate | 9.52 | 163 | 764521 | 16.65 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.57 | 165 | 175762 | 17.49 | ng | | 90 |
| 51) Acenaphthene | 9.81 | 154 | 675208 | 16.64 | ng | | 99 |
| 52) 3-Nitroaniline | 9.73 | 138 | 147694 | 11.88 | ng | | 92 |
| 53) 2,4-Dinitrophenol | 9.85 | 184 | 68114 | 12.18 | ng | # | 73 |
| 54) Dibenzofuran | 9.98 | 168 | 821682 | 14.99 | ng | | 99 |
| 55) 4-Nitrophenol | 9.92 | 139 | 132265 | 15.67 | ng | # | 75 |
| 56) 2,4-Dinitrotoluene | 9.97 | 165 | 207819 | 16.48 | ng | | 97 |
| 57) Fluorene | 10.33 | 166 | 651337 | 16.34 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.11 | 232 | 156669 | 15.18 | ng | | 99 |
| 59) Diethylphthalate | 10.21 | 149 | 707600 | 15.87 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.33 | 204 | 303005 | 17.36 | ng | # | 85 |
| 61) 4-Nitroaniline | 10.35 | 138 | 199813 | 15.51 | ng | | 89 |
| 62) Azobenzene | 10.49 | 77 | 735345 | 14.98 | ng | | 89 |
| 64) 4,6-Dinitro-2-methylphenol | 10.38 | 198 | 102884 | 18.62 | ng | | 84 |
| 65) n-Nitrosodiphenylamine | 10.44 | 169 | 533848 | 19.69 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.81 | 248 | 152246 | 16.02 | ng | # | 88 |
| 67) Hexachlorobenzene | 10.88 | 284 | 161292 | 15.88 | ng | # | 88 |
| 68) Atrazine | 10.97 | 200 | 99991 | 11.43 | ng | | 97 |
| 69) Pentachlorophenol | 11.07 | 266 | 66557 | 13.35 | ng | | 98 |
| 70) Phenanthrene | 11.29 | 178 | 818914 | 16.53 | ng | | 98 |
| 71) Anthracene | 11.33 | 178 | 786159 | 14.22 | ng | | 98 |
| 72) Carbazole | 11.49 | 167 | 719539 | 13.49 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.84 | 149 | 903909 | 16.67 | ng | # | 97 |
| 74) Fluoranthene | 12.48 | 202 | 838079 | 16.89 | ng | | 91 |
| 76) Benzidine | 12.60 | 184 | 237948 | 10.50 | ng | | 99 |
| 77) Pyrene | 12.69 | 202 | 829003 | 16.94 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.32 | 149 | 347871 | 15.63 | ng | | 97 |
| 80) Benzo(a)anthracene | 13.88 | 228 | 668600 | 17.75 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.85 | 252 | 167178 | 11.71 | ng | | 99 |
| 82) Chrysene | 13.92 | 228 | 671599 | 17.78 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.89 | 149 | 444310 | 16.95 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 14.50 | 149 | 810122 | 16.68 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.63 | 276 | 589778 | 18.02 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.90 | 252 | 673446m | 15.94 | ng | | |
| 88) Benzo(k)fluoranthene | 14.92 | 252 | 602456m | 16.73 | ng | | |
| 89) Benzo(a)pyrene | 15.23 | 252 | 604502 | 16.12 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 16.64 | 278 | 499844 | 16.22 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.03 | 276 | 500727 | 15.63 | ng | | 98 |

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

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