Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100516\
Data File : BF090388.D
Acq On : 5 Oct 2016 19:12
Operator : UM/SJ
Sample : H4818-06
Misc : LOQ 20PPM
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** LOQ-WATER2016-06-QT4

**Manual Integrations APPROVED**
SOHIL
10/6/2016 5:28:38 PM

Quant Time: Oct 06 01:40:12 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 05 14:57:00 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.00 | 152 | 221456 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.29 | 136 | 977236 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.05 | 164 | 479660 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.54 | 188 | 738907 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.19 | 240 | 610808 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.70 | 264 | 419566 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 1717959 | 115.78 | ng | | 0.01 |
| 7) Phenol-d6 | 6.62 | 99 | 2389578 | 122.96 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.56 | 82 | 1811291 | 90.16 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.85 | 330 | 545189 | 139.78 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.38 | 172 | 2908997 | 101.05 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.14 | 244 | 2573343 | 94.72 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.82 | 88 | 145483 | 19.89 | ng | | 94 |
| 3) Pyridine | 3.58 | 79 | 415649m | 20.38 | ng | | |
| 4) n-Nitrosodimethylamine | 3.50 | 42 | 168044 | 19.97 | ng | # | 69 |
| 6) Aniline | 6.66 | 93 | 444027 | 16.54 | ng | | 98 |
| 8) 2-Chlorophenol | 6.78 | 128 | 317102 | 19.42 | ng | | 86 |
| 9) Benzaldehyde | 6.54 | 77 | 192897 | 19.64 | ng | | 88 |
| 10) Phenol | 6.63 | 94 | 377320 | 16.70 | ng | | 88 |
| 11) bis(2-Chloroethyl)ether | 6.74 | 93 | 349714 | 20.21 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.94 | 146 | 342895m | 21.07 | ng | | |
| 13) 1,4-Dichlorobenzene | 7.02 | 146 | 329409 | 19.92 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.17 | 146 | 308255 | 19.35 | ng | | 95 |
| 15) Benzyl Alcohol | 7.14 | 79 | 331069 | 22.41 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.27 | 45 | 605631 | 20.64 | ng | | 97 |
| 17) 2-Methylphenol | 7.25 | 107 | 271900 | 20.25 | ng | | 97 |
| 18) Hexachloroethane | 7.51 | 117 | 124942 | 19.17 | ng | # | 86 |
| 19) n-Nitroso-di-n-propylamine | 7.41 | 70 | 302045 | 21.20 | ng | # | 85 |
| 20) 3+4-Methylphenols | 7.40 | 107 | 366482 | 21.08 | ng | # | 86 |
| 22) Acetophenone | 7.41 | 105 | 472392 | 20.41 | ng | # | 87 |
| 24) Nitrobenzene | 7.58 | 77 | 437371 | 21.93 | ng | | 99 |
| 25) Isophorone | 7.82 | 82 | 742692 | 20.22 | ng | | 99 |
| 26) 2-Nitrophenol | 7.90 | 139 | 168283 | 19.60 | ng | # | 88 |
| 27) 2,4-Dimethylphenol | 7.94 | 122 | 335027 | 20.07 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 8.03 | 93 | 408377 | 18.80 | ng | # | 95 |
| 29) 2,4-Dichlorophenol | 8.14 | 162 | 245862 | 19.37 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 8.23 | 180 | 245888 | 18.80 | ng | | 95 |
| 31) Naphthalene | 8.31 | 128 | 970364 | 20.58 | ng | | 97 |
| 32) Benzoic acid | 8.02 | 122 | 218582 | 18.83 | ng | | 91 |
| 33) 4-Chloroaniline | 8.36 | 127 | 283145 | 14.53 | ng | # | 90 |
| 34) Hexachlorobutadiene | 8.43 | 225 | 124197 | 16.99 | ng | | 99 |
| 35) Caprolactam | 8.70 | 113 | 76032 | 17.82 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 8.83 | 107 | 284958 | 17.93 | ng | | 91 |
| 37) 2-Methylnaphthalene | 9.00 | 142 | 556112 | 19.49 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.17 | 216 | 235861 | 18.65 | ng | # | 96 |
| 40) Hexachlorocyclopentadiene | 9.16 | 237 | 118895 | 17.15 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.29 | 196 | 161681 | 18.53 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.32 | 196 | 169552 | 20.55 | ng | | 94 |
| 45) 1,1'-Biphenyl | 9.47 | 154 | 714996 | 20.12 | ng | | 93 |
| 46) 2-Chloronaphthalene | 9.49 | 162 | 517681 | 19.71 | ng | | 96 |
| 47) 2-Nitroaniline | 9.58 | 65 | 214668 | 20.72 | ng | # | 85 |
| 48) Acenaphthylene | 9.91 | 152 | 911605 | 21.04 | ng | | 97 |
| 49) Dimethylphthalate | 9.77 | 163 | 607635 | 19.78 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.82 | 165 | 120432 | 17.66 | ng | # | 80 |
| 51) Acenaphthene | 10.09 | 154 | 562086 | 20.80 | ng | | 98 |
| 52) 3-Nitroaniline | 9.99 | 138 | 143120 | 17.96 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 10.10 | 184 | 53970 | 17.75 | ng | # | 43 |
| 54) Dibenzofuran | 10.26 | 168 | 712758 | 20.38 | ng | | 95 |
| 55) 4-Nitrophenol | 10.14 | 139 | 134830 | 19.34 | ng | | 92 |
| 56) 2,4-Dinitrotoluene | 10.22 | 165 | 168133 | 18.52 | ng | # | 1 |
| 57) Fluorene | 10.60 | 166 | 603711 | 20.54 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.37 | 232 | 116978 | 18.98 | ng | # | 75 |
| 59) Diethylphthalate | 10.47 | 149 | 668131 | 21.02 | ng | # | 93 |
| 60) 4-Chlorophenyl-phenylether | 10.59 | 204 | 253693 | 18.98 | ng | # | 81 |
| 61) 4-Nitroaniline | 10.60 | 138 | 154773 | 19.28 | ng | | 94 |
| 62) Azobenzene | 10.75 | 77 | 685083 | 18.66 | ng | | 87 |
| 64) 4,6-Dinitro-2-methylphenol | 10.63 | 198 | 71518 | 18.15 | ng | | 95 |
| 65) n-Nitrosodiphenylamine | 10.71 | 169 | 503424 | 20.33 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.08 | 248 | 134658 | 18.59 | ng | # | 67 |
| 67) Hexachlorobenzene | 11.15 | 284 | 153428 | 19.02 | ng | # | 68 |
| 68) Atrazine | 11.23 | 200 | 107978 | 17.69 | ng | | 95 |
| 69) Pentachlorophenol | 11.34 | 266 | 100773 | 20.99 | ng | | 98 |
| 70) Phenanthrene | 11.57 | 178 | 782726 | 20.69 | ng | | 95 |
| 71) Anthracene | 11.62 | 178 | 832307 | 21.54 | ng | | 97 |
| 72) Carbazole | 11.77 | 167 | 744176 | 20.73 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.11 | 149 | 969902 | 22.20 | ng | # | 95 |
| 74) Fluoranthene | 12.76 | 202 | 789708 | 21.28 | ng | | 94 |
| 76) Benzidine | 12.87 | 184 | 240385 | 14.97 | ng | | 98 |
| 77) Pyrene | 12.99 | 202 | 830895 | 20.40 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.61 | 149 | 397832 | 19.04 | ng | # | 73 |
| 80) Benzo(a)anthracene | 14.18 | 228 | 691217 | 20.17 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 14.14 | 252 | 195520 | 15.74 | ng | # | 97 |
| 82) Chrysene | 14.21 | 228 | 601214 | 19.06 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 14.17 | 149 | 590348 | 19.87 | ng | # | 92 |
| 84) Di-n-octyl phthalate | 14.80 | 149 | 916374 | 20.81 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 17.21 | 276 | 410816 | 18.27 | ng | | 94 |
| 87) Benzo(b)fluoranthene | 15.25 | 252 | 516630 | 19.33 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 15.28 | 252 | 513290m | 20.45 | ng | | |
| 89) Benzo(a)pyrene | 15.63 | 252 | 452079 | 19.63 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 17.23 | 278 | 343069 | 17.51 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 17.66 | 276 | 322962 | 17.17 | ng | | 94 |

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

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