Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050118\
Data File : BG034100.D
Acq On : 2 May 2018 4:46
Operator : SJ/JU
Sample : J2133-08
Misc : 20PPM LOQ
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** LOQ-WATER-02-QT2-2018

**Manual Integrations APPROVED**
Sohil
5/2/2018 4:50:54 PM

Quant Time: May 02 08:03:14 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 01 19:08:03 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.08 | 152 | 59089 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.89 | 136 | 272138 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.72 | 164 | 207683 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.47 | 188 | 565579 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.76 | 240 | 598657 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.05 | 264 | 600386 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 499012 | 136.44 | ng | | 0.00 |
| 7) Phenol-d6 | 7.22 | 99 | 749707 | 131.67 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.24 | 82 | 578606 | 81.58 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.20 | 330 | 371635 | 129.23 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.34 | 172 | 1192732 | 83.69 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.09 | 244 | 2222539 | 81.33 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.56 | 88 | 35440 | 23.076 | ng | # | 78 |
| 3) Pyridine | 3.95 | 79 | 110266 | 22.882 | ng | # | 84 |
| 4) n-Nitrosodimethylamine | 3.86 | 42 | 56258 | 21.411 | ng | # | 68 |
| 6) Aniline | 7.39 | 93 | 163161 | 21.068 | ng | | 97 |
| 8) 2-Chlorophenol | 7.64 | 128 | 75825 | 20.777 | ng | | 93 |
| 9) Benzaldehyde | 7.21 | 77 | 69076 | 18.249 | ng | | 92 |
| 10) Phenol | 7.24 | 94 | 122294 | 21.295 | ng | # | 71 |
| 11) bis(2-Chloroethyl)ether | 7.49 | 93 | 94532 | 20.909 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 7.96 | 146 | 97082 | 21.027 | ng | # | 87 |
| 13) 1,4-Dichlorobenzene | 8.11 | 146 | 99330 | 21.662 | ng | | 92 |
| 14) 1,2-Dichlorobenzene | 8.43 | 146 | 94447 | 21.685 | ng | | 96 |
| 15) Benzyl Alcohol | 8.30 | 79 | 130360 | 21.463 | ng | # | 83 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.60 | 45 | 135057 | 21.712 | ng | | 90 |
| 17) 2-Methylphenol | 8.50 | 107 | 78652 | 20.814 | ng | # | 67 |
| 18) Hexachloroethane | 9.16 | 117 | 38755 | 19.868 | ng | | 86 |
| 19) n-Nitroso-di-n-propylamine | 8.87 | 70 | 109703 | 21.455 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.83 | 107 | 111156 | 19.862 | ng | # | 71 |
| 22) Acetophenone | 8.89 | 105 | 176555 | 19.046 | ng | # | 97 |
| 24) Nitrobenzene | 9.28 | 77 | 150845 | 19.429 | ng | # | 85 |
| 25) Isophorone | 9.80 | 82 | 273398 | 18.895 | ng | | 95 |
| 26) 2-Nitrophenol | 9.99 | 139 | 43165 | 20.084 | ng | # | 62 |
| 27) 2,4-Dimethylphenol | 10.04 | 122 | 77689 | 18.645 | ng | | 91 |
| 28) bis(2-Chloroethoxy)methane | 10.29 | 93 | 137624 | 19.364 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.52 | 162 | 92058 | 18.484 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 10.75 | 180 | 113405 | 18.910 | ng | | 97 |
| 31) Naphthalene | 10.94 | 128 | 277137 | 19.375 | ng | | 96 |
| 32) Benzoic acid | 10.14 | 122 | 56707 | 18.366 | ng | # | 67 |
| 33) 4-Chloroaniline | 11.04 | 127 | 124437 | 19.292 | ng | # | 84 |
| 34) Hexachlorobutadiene | 11.23 | 225 | 100480 | 19.795 | ng | | 95 |
| 35) Caprolactam | 11.79 | 113 | 34725 | 19.629 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 12.15 | 107 | 125943 | 19.502 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.55 | 142 | 217327 | 18.738 | ng | # | 90 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.91 | 216 | 162248 | 20.189 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.89 | 237 | 90912 | 19.092 | ng | | 90 |

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Misc : 20PPM LOQ
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**ClientSampleId :**
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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.14 | 196 | 91554 | 19.608 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.21 | 196 | 107492 | 20.824 | ng | | 94 |
| 45) 1,1'-Biphenyl | 13.55 | 154 | 323710 | 19.952 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.59 | 162 | 251578 | 20.482 | ng | | 96 |
| 47) 2-Nitroaniline | 13.79 | 65 | 99725 | 20.307 | ng | | 87 |
| 48) Acenaphthylene | 14.44 | 152 | 391316 | 19.954 | ng | | 97 |
| 49) Dimethylphthalate | 14.17 | 163 | 360328 | 20.008 | ng | # | 99 |
| 50) 2,6-Dinitrotoluene | 14.28 | 165 | 69874 | 20.202 | ng | # | 81 |
| 51) Acenaphthene | 14.78 | 154 | 270437 | 20.290 | ng | | 100 |
| 52) 3-Nitroaniline | 14.61 | 138 | 70770 | 20.300 | ng | # | 80 |
| 53) 2,4-Dinitrophenol | 14.81 | 184 | 28968 | 21.409 | ng | # | 77 |
| 54) Dibenzofuran | 15.11 | 168 | 389406 | 20.153 | ng | # | 91 |
| 55) 4-Nitrophenol | 14.90 | 139 | 49789 | 18.711 | ng | # | 48 |
| 56) 2,4-Dinitrotoluene | 15.07 | 165 | 101304 | 21.570 | ng | | 98 |
| 57) Fluorene | 15.77 | 166 | 336902 | 20.004 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.34 | 232 | 102208 | 19.140 | ng | | 95 |
| 59) Diethylphthalate | 15.54 | 149 | 383229 | 20.109 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 15.76 | 204 | 205645 | 20.525 | ng | | 93 |
| 61) 4-Nitroaniline | 15.77 | 138 | 76562 | 20.704 | ng | # | 52 |
| 62) Azobenzene | 16.05 | 77 | 412360 | 20.030 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 15.83 | 198 | 53657 | 20.178 | ng | | 80 |
| 65) n-Nitrosodiphenylamine | 15.97 | 169 | 297240 | 19.274 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.66 | 248 | 132585 | 18.881 | ng | | 93 |
| 67) Hexachlorobenzene | 16.77 | 284 | 139971 | 19.637 | ng | | 93 |
| 68) Atrazine | 16.92 | 200 | 90885 | 11.190 | ng | | 96 |
| 69) Pentachlorophenol | 17.11 | 266 | 95149 | 19.152 | ng | | 94 |
| 70) Phenanthrene | 17.51 | 178 | 576497 | 19.837 | ng | | 100 |
| 71) Anthracene | 17.60 | 178 | 573066 | 19.456 | ng | | 98 |
| 72) Carbazole | 17.87 | 167 | 531424 | 19.709 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.44 | 149 | 630523 | 19.428 | ng | # | 96 |
| 74) Fluoranthene | 19.52 | 202 | 735533 | 20.029 | ng | | 96 |
| 76) Benzidine | 19.70 | 184 | 264985 | 17.184 | ng | # | 96 |
| 77) Pyrene | 19.88 | 202 | 749678 | 19.987 | ng | | 94 |
| 79) Butylbenzylphthalate | 20.78 | 149 | 285565 | 19.503 | ng | | 93 |
| 80) Benzo(a)anthracene | 21.74 | 228 | 756232 | 19.711 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 21.65 | 252 | 277679 | 19.139 | ng | | 98 |
| 82) Chrysene | 21.81 | 228 | 722758 | 19.682 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.67 | 149 | 393376 | 19.521 | ng | | 97 |
| 84) Di-n-octyl phthalate | 22.92 | 149 | 627257 | 19.489 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 28.80 | 276 | 799808m | 19.791 | ng | | |
| 87) Benzo(b)fluoranthene | 24.00 | 252 | 729788 | 19.243 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 24.07 | 252 | 716351 | 19.763 | ng | # | 97 |
| 89) Benzo(a)pyrene | 24.89 | 252 | 701203 | 19.762 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 28.88 | 278 | 654911 | 19.580 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 29.97 | 276 | 635936 | 19.290 | ng | # | 91 |

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

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