Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
Data File : BG037442.D
Acq On : 19 Oct 2018 6:27
Operator : JU/SJ
Sample : J5164-09
Misc : MDL 5 PPM
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MDL-WATER-03-QT4-2018

**Manual Integrations APPROVED**
Sohil
10/19/2018 3:57:54 PM

Quant Time: Oct 19 09:14:28 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 18 14:06:42 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 50576 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.93 | 136 | 238203 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.74 | 164 | 162086 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.48 | 188 | 395683 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.77 | 240 | 362178 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.10 | 264 | 364857 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 424474 | 140.32 | ng | | 0.00 |
| 7) Phenol-d6 | 7.25 | 99 | 622380 | 136.06 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.28 | 82 | 343149 | 80.70 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.23 | 330 | 238142 | 134.71 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.36 | 172 | 851217 | 79.19 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.09 | 244 | 1294387 | 76.37 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 7442 | 4.851 | ng | | 87 |
| 3) Pyridine | 3.95 | 79 | 19492 | 5.041 | ng | | 89 |
| 4) n-Nitrosodimethylamine | 3.86 | 42 | 8419 | 6.113 | ng | # | 91 |
| 6) Aniline | 7.43 | 93 | 19390 | 3.475 | ng | | 96 |
| 8) 2-Chlorophenol | 7.67 | 128 | 18072 | 5.107 | ng | | 98 |
| 9) Benzaldehyde | 7.25 | 77 | 14076 | 4.919 | ng | | 97 |
| 10) Phenol | 7.27 | 94 | 24063 | 4.986 | ng | | 81 |
| 11) bis(2-Chloroethyl)ether | 7.52 | 93 | 17544 | 4.786 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.99 | 146 | 18881 | 4.792 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.14 | 146 | 19813 | 4.916 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.46 | 146 | 18303 | 4.721 | ng | | 92 |
| 15) Benzyl Alcohol | 8.35 | 79 | 15471 | 4.577 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.63 | 45 | 32538 | 4.961 | ng | | 99 |
| 17) 2-Methylphenol | 8.54 | 107 | 16165 | 5.066 | ng | | 88 |
| 18) Hexachloroethane | 9.19 | 117 | 7049 | 5.131 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 8.91 | 70 | 14662 | 4.655 | ng | | 93 |
| 20) 3+4-Methylphenols | 8.86 | 107 | 21959 | 4.813 | ng | | 97 |
| 22) Acetophenone | 8.93 | 105 | 30453 | 5.098 | ng | # | 94 |
| 24) Nitrobenzene | 9.33 | 77 | 22110 | 5.005 | ng | # | 97 |
| 25) Isophorone | 9.84 | 82 | 41217 | 5.305 | ng | | 97 |
| 26) 2-Nitrophenol | 10.04 | 139 | 8875 | 4.460 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 10.07 | 122 | 19485 | 5.484 | ng | | 91 |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93 | 25518 | 5.013 | ng | | 93 |
| 29) 2,4-Dichlorophenol | 10.56 | 162 | 18286 | 4.622 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.79 | 180 | 19849 | 4.614 | ng | | 97 |
| 31) Naphthalene | 10.98 | 128 | 63134 | 5.396 | ng | | 100 |
| 32) Benzoic acid | 10.12 | 122 | 4674 | 2.025 | ng | | 93 |
| 33) 4-Chloroaniline | 11.08 | 127 | 19333 | 3.517 | ng | | 94 |
| 34) Hexachlorobutadiene | 11.24 | 225 | 11732 | 4.601 | ng | | 95 |
| 35) Caprolactam | 11.85 | 113 | 6105 | 3.848 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 12.18 | 107 | 20069 | 4.498 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.58 | 142 | 46399 | 5.440 | ng | | 93 |
| 38) 1-Methylnaphthalene | 12.79 | 142 | 45603m | 5.506 | ng | | |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 24305 | 4.649 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.91 | 237 | 11278 | 4.516 | ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 13.17 | 196 | 15043 | 4.307 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 13.24 | 196 | 17581 | 4.623 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.58 | 154 | 60404 | 4.500 | ng | | 94 |
| 47) 2-Chloronaphthalene | 13.62 | 162 | 48512 | 4.777 | ng | | 99 |
| 48) 2-Nitroaniline | 13.82 | 65 | 13610 | 4.419 | ng | | 91 |
| 49) Acenaphthylene | 14.47 | 152 | 80216 | 5.251 | ng | | 94 |
| 50) Dimethylphthalate | 14.19 | 163 | 63827 | 5.090 | ng | | 97 |
| 51) 2,6-Dinitrotoluene | 14.32 | 165 | 12889 | 4.646 | ng | | 88 |
| 52) Acenaphthene | 14.80 | 154 | 47617 | 5.061 | ng | | 97 |
| 53) 3-Nitroaniline | 14.65 | 138 | 11795 | 3.830 | ng | | 91 |
| 54) 2,4-Dinitrophenol | 14.85 | 184 | 658 | 7.145 | ng | # | 76 |
| 55) Dibenzofuran | 15.13 | 168 | 82033 | 5.263 | ng | | 97 |
| 56) 4-Nitrophenol | 14.93 | 139 | 6793 | 2.980 | ng | | 89 |
| 57) 2,4-Dinitrotoluene | 15.10 | 165 | 15914 | 4.370 | ng | | 97 |
| 58) Fluorene | 15.79 | 166 | 64543 | 5.529 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.35 | 232 | 15053 | 4.623 | ng | # | 98 |
| 60) Diethylphthalate | 15.54 | 149 | 65377 | 5.078 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 15.77 | 204 | 32989 | 4.849 | ng | | 97 |
| 62) 4-Nitroaniline | 15.80 | 138 | 13045 | 4.263 | ng | # | 82 |
| 63) Azobenzene | 16.07 | 77 | 64843 | 5.279 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.86 | 198 | 3147 | 9.754 | ng | # | 73 |
| 66) n-Nitrosodiphenylamine | 15.99 | 169 | 58285 | 4.897 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.67 | 248 | 20655 | 4.753 | ng | | 85 |
| 68) Hexachlorobenzene | 16.78 | 284 | 21922 | 4.868 | ng | | 95 |
| 69) Atrazine | 16.93 | 200 | 18732 | 4.353 | ng | | 95 |
| 70) Pentachlorophenol | 17.12 | 266 | 6078 | 2.015 | ng | | 94 |
| 71) Phenanthrene | 17.52 | 178 | 111068 | 5.523 | ng | | 98 |
| 72) Anthracene | 17.62 | 178 | 109333 | 5.540 | ng | | 98 |
| 73) Carbazole | 17.89 | 167 | 93993 | 4.761 | ng | | 95 |
| 74) Di-n-butylphthalate | 18.43 | 149 | 106334 | 4.842 | ng | | 98 |
| 75) Fluoranthene | 19.53 | 202 | 123762 | 5.426 | ng | | 99 |
| 77) Benzidine | 19.72 | 184 | 15608 | 1.267 | ng | | 96 |
| 78) Pyrene | 19.89 | 202 | 125990 | 5.321 | ng | | 96 |
| 80) Butylbenzylphthalate | 20.77 | 149 | 42956 | 4.433 | ng | | 90 |
| 81) Benzo(a)anthracene | 21.75 | 228 | 114979 | 5.367 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.66 | 252 | 26735 | 3.220 | ng | | 99 |
| 83) Chrysene | 21.81 | 228 | 109431 | 5.312 | ng | | 95 |
| 84) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 60443 | 4.450 | ng | | 97 |
| 85) Di-n-octyl phthalate | 22.88 | 149 | 98548 | 4.450 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 28.92 | 276 | 92151 | 4.171 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 24.03 | 252 | 103365 | 5.168 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 24.10 | 252 | 106596m | 5.439 | ng | | |
| 90) Benzo(a)pyrene | 24.94 | 252 | 98413 | 5.178 | ng | | 96 |
| 91) Dibenzo(a,h)anthracene | 29.01 | 278 | 74104 | 4.227 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.12 | 276 | 82577 | 4.655 | ng | | 98 |

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

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