Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102720\
Data File : BG047097.D
Acq On : 27 Oct 2020 16:24
Operator : CG/JU
Sample : L4214-08
Misc : LOQ-WATER 5ppm
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
LOQ-WATER-02-QT4-2020

**Manual Integrations APPROVED**
mohammad
10/28/2020 8:06:13 AM

Quant Time: Oct 27 17:00:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 27 12:36:22 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.056 | 152 | 39654 | 20.00 | ng | | # 0.00 |
| 21) Naphthalene-d8 | 10.864 | 136 | 148237 | 20.00 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 14.684 | 164 | 109260 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.433 | 188 | 278515 | 20.00 | ng | | # 0.00 |
| 76) Chrysene-d12 | 21.699 | 240 | 339868 | 20.00 | ng | | # 0.00 |
| 86) Perylene-d12 | 24.924 | 264 | 338175 | 20.00 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.612 | 112 | 332714 | 148.74 | ng | | 0.00 |
| 7) Phenol-d6 | 7.210 | 99 | 458881 | 141.85 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.219 | 82 | 328892 | 106.25 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.170 | 330 | 266091 | 151.94 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.309 | 172 | 825767 | 106.85 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.036 | 244 | 1819596 | 104.10 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.502 | 88 | 5541 | 5.48 | ng | | 91 |
| 3) Pyridine | 3.902 | 79 | 13868 | 5.06 | ng | # | 91 |
| 4) n-Nitrosodimethylamine | 3.814 | 42 | 7262 | 5.00 | ng | # | 63 |
| 6) Aniline | 7.374 | 93 | 19923 | 5.21 | ng | | 97 |
| 8) 2-Chlorophenol | 7.615 | 128 | 12435 | 5.23 | ng | | 92 |
| 9) Benzaldehyde | 7.192 | 77 | 13074 | 7.21 | ng | | 93 |
| 10) Phenol | 7.233 | 94 | 14718 | 4.82 | ng | # | 72 |
| 11) bis(2-Chloroethyl)ether | 7.468 | 93 | 11893 | 4.95 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.944 | 146 | 15573 | 5.14 | ng | # | 89 |
| 13) 1,4-Dichlorobenzene | 8.091 | 146 | 15647m | 5.11 | ng | | |
| 14) 1,2-Dichlorobenzene | 8.409 | 146 | 14899 | 5.14 | ng | | 91 |
| 15) Benzyl Alcohol | 8.291 | 79 | 11249 | 4.46 | ng | # | 78 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.591 | 45 | 17395 | 4.57 | ng | | 88 |
| 17) 2-Methylphenol | 8.491 | 107 | 10275 | 4.89 | ng | # | 83 |
| 18) Hexachloroethane | 9.137 | 117 | 5857 | 5.11 | ng | # | 68 |
| 19) n-Nitroso-di-n-propyla... | 8.855 | 70 | 11103 | 5.04 | ng | # | 91 |
| 20) 3+4-Methylphenols | 8.820 | 107 | 12541 | 4.43 | ng | | 91 |
| 22) Acetophenone | 8.879 | 105 | 21723 | 5.44 | ng | # | 93 |
| 24) Nitrobenzene | 9.260 | 77 | 18479 | 5.75 | ng | # | 91 |
| 25) Isophorone | 9.783 | 82 | 29983 | 5.42 | ng | # | 91 |
| 26) 2-Nitrophenol | 9.983 | 139 | 6470 | 4.64 | ng | # | 83 |
| 27) 2,4-Dimethylphenol | 10.024 | 122 | 10967 | 5.76 | ng | # | 93 |
| 28) bis(2-Chloroethoxy)met... | 10.259 | 93 | 16958 | 4.96 | ng | # | 91 |
| 29) 2,4-Dichlorophenol | 10.512 | 162 | 11741 | 4.48 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.729 | 180 | 16086 | 4.98 | ng | | 95 |
| 31) Naphthalene | 10.911 | 128 | 41683 | 5.38 | ng | | 96 |
| 33) 4-Chloroaniline | 11.023 | 127 | 15788 | 4.68 | ng | # | 93 |
| 34) Hexachlorobutadiene | 11.199 | 225 | 12366 | 5.10 | ng | | 93 |
| 35) Caprolactam | 11.763 | 113 | 3889 | 4.45 | ng | # | 82 |
| 36) 4-Chloro-3-methylphenol | 12.139 | 107 | 12358 | 4.54 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.521 | 142 | 30911 | 5.13 | ng | | 95 |
| 38) 1-Methylnaphthalene | 12.733 | 142 | 27966 | 4.90 | ng | # | 95 |
| 40) 1,2,4,5-Tetrachloroben... | 12.886 | 216 | 20498 | 5.14 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 12.862 | 237 | 10890 | 4.99 | ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 13.121 | 196 | 12221 | 4.70 | ng | | 95 |
| 44) 2,4,5-Trichlorophenol | 13.197 | 196 | 12711 | 4.81 | ng | | 91 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 13.520 | 154 | 43486 | 5.26 | ng | | 96 |
| 47) 2-Chloronaphthalene | 13.561 | 162 | 33373 | 4.90 | ng | | 98 |
| 48) 2-Nitroaniline | 13.761 | 65 | 8903 | 4.01 | ng | | 84 |
| 49) Acenaphthylene | 14.407 | 152 | 49688 | 5.03 | ng | | 98 |
| 50) Dimethylphthalate | 14.131 | 163 | 45777 | 5.09 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.255 | 165 | 9092 | 4.84 | ng | # | 77 |
| 52) Acenaphthene | 14.748 | 154 | 33790 | 5.24 | ng | | 94 |
| 53) 3-Nitroaniline | 14.578 | 138 | 8149 | 4.37 | ng | # | 97 |
| 54) 2,4-Dinitrophenol | 14.795 | 184 | 3591 | 2.90 | ng | # | 87 |
| 55) Dibenzofuran | 15.083 | 168 | 53849 | 5.20 | ng | | 96 |
| 56) 4-Nitrophenol | 14.883 | 139 | 5629 | 3.86 | ng | # | 62 |
| 57) 2,4-Dinitrotoluene | 15.042 | 165 | 13288 | 4.93 | ng | # | 84 |
| 58) Fluorene | 15.729 | 166 | 43648 | 5.22 | ng | | 96 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.306 | 232 | 13645 | 4.86 | ng | # | 95 |
| 60) Diethylphthalate | 15.494 | 149 | 47591 | 5.31 | ng | # | 93 |
| 61) 4-Chlorophenyl-phenyle... | 15.723 | 204 | 25604 | 5.13 | ng | | 92 |
| 62) 4-Nitroaniline | 15.741 | 138 | 8779 | 4.38 | ng | # | 78 |
| 63) Azobenzene | 16.011 | 77 | 43631 | 5.47 | ng | | 86 |
| 65) 4,6-Dinitro-2-methylph... | 15.800 | 198 | 8612 | 5.03 | ng | | 85 |
| 66) n-Nitrosodiphenylamine | 15.935 | 169 | 42091 | 5.27 | ng | | 95 |
| 67) 4-Bromophenyl-phenylether | 16.617 | 248 | 18963 | 5.17 | ng | | 88 |
| 68) Hexachlorobenzene | 16.734 | 284 | 18190 | 4.71 | ng | | 95 |
| 69) Atrazine | 16.875 | 200 | 17537 | 5.33 | ng | | 95 |
| 70) Pentachlorophenol | 17.087 | 266 | 8403 | 3.73 | ng | # | 86 |
| 71) Phenanthrene | 17.474 | 178 | 77391 | 5.20 | ng | | 99 |
| 72) Anthracene | 17.562 | 178 | 80486 | 5.52 | ng | | 98 |
| 73) Carbazole | 17.833 | 167 | 68063 | 5.25 | ng | | 94 |
| 74) Di-n-butylphthalate | 18.385 | 149 | 89134 | 5.56 | ng | | 96 |
| 75) Fluoranthene | 19.478 | 202 | 106204 | 5.55 | ng | | 96 |
| 77) Benzidine | 19.654 | 184 | 42826 | 5.51 | ng | # | 93 |
| 78) Pyrene | 19.842 | 202 | 112505 | 5.19 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.718 | 149 | 37804 | 4.55 | ng | # | 84 |
| 81) Benzo(a)anthracene | 21.675 | 228 | 116145 | 5.22 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.593 | 252 | 41216 | 5.10 | ng | # | 99 |
| 83) Chrysene | 21.740 | 228 | 114199m | 5.39 | ng | | |
| 84) Bis(2-ethylhexyl)phtha... | 21.575 | 149 | 55168 | 4.71 | ng | # | 96 |
| 85) Di-n-octyl phthalate | 22.792 | 149 | 91577 | 4.66 | ng | # | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 28.602 | 276 | 120225 | 4.87 | ng | # | 65 |
| 88) Benzo(b)fluoranthene | 23.896 | 252 | 111531 | 5.05 | ng | # | 95 |
| 89) Benzo(k)fluoranthene | 23.967 | 252 | 113142 | 5.27 | ng | # | 92 |
| 90) Benzo(a)pyrene | 24.766 | 252 | 98028 | 4.75 | ng | # | 96 |
| 91) Dibenzo(a,h)anthracene | 28.673 | 278 | 99527 | 4.96 | ng | # | 90 |
| 92) Benzo(g,h,i)perylene | 29.754 | 276 | 100091 | 5.02 | ng | # | 93 |

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

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