Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
Data File : BF114660.D
Acq On : 30 May 2019 14:53
Operator : HP/JU
Sample : K2241-07
Misc : LOD-WATER-5PPM
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** LOD-MDL-WATER-01-QT2-2019

Quant Time: May 31 11:28:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.69 | 152 | 413346 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.97 | 136 | 1553928 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.72 | 164 | 776410 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.19 | 188 | 1475869 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.81 | 240 | 1108099 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.20 | 264 | 1119457 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.30 | 112 | 3014289 | 128.03 | ng | | 0.01 |
| 7) Phenol-d6 | 6.33 | 99 | 3575569 | 126.03 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.26 | 82 | 2201636 | 88.39 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.50 | 330 | 1045052 | 141.26 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.05 | 172 | 3696294 | 79.09 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.78 | 244 | 3896988 | 66.12 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.38 | 88 | 59372 | 5.255 | ng | | 98 |
| 3) Pyridine | 3.14 | 79 | 136567 | 4.153 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 2.98 | 42 | 55369 | 4.161 | ng | # | 100 |
| 6) Aniline | 6.36 | 93 | 219294 | 5.117 | ng | | 97 |
| 8) 2-Chlorophenol | 6.48 | 128 | 148635 | 5.467 | ng | | 95 |
| 9) Benzaldehyde | 6.23 | 77 | 120624 | 7.452 | ng | | 98 |
| 10) Phenol | 6.34 | 94 | 181148 | 5.286 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.43 | 93 | 140074 | 5.343 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.63 | 146 | 165876 | 5.355 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.71 | 146 | 169631 | 5.459 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.86 | 146 | 156819 | 5.543 | ng | | 99 |
| 15) Benzyl Alcohol | 6.83 | 79 | 147033 | 6.589 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.97 | 45 | 195274 | 4.857 | ng | | 99 |
| 17) 2-Methylphenol | 6.94 | 107 | 116350 | 5.060 | ng | | 98 |
| 18) Hexachloroethane | 7.21 | 117 | 56521 | 4.804 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 7.10 | 70 | 100486 | 5.131 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.10 | 107 | 151117 | 5.587 | ng | | 92 |
| 22) Acetophenone | 7.10 | 105 | 206649 | 6.241 | ng | | 97 |
| 24) Nitrobenzene | 7.27 | 77 | 153716 | 5.810 | ng | | 98 |
| 25) Isophorone | 7.51 | 82 | 270139 | 5.404 | ng | | 100 |
| 26) 2-Nitrophenol | 7.59 | 139 | 61139 | 4.747 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.63 | 122 | 125802 | 5.873 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.73 | 93 | 169586 | 5.330 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.82 | 162 | 121886 | 5.591 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 7.92 | 180 | 139937 | 5.634 | ng | | 98 |
| 31) Naphthalene | 7.99 | 128 | 448854 | 6.271 | ng | | 97 |
| 32) Benzoic acid | 7.68 | 122 | 44905 | 3.228 | ng | | 98 |
| 33) 4-Chloroaniline | 8.04 | 127 | 183296 | 5.375 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.12 | 225 | 76195 | 5.522 | ng | | 99 |
| 35) Caprolactam | 8.36 | 113 | 36155 | 4.914 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.52 | 107 | 120289 | 5.502 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.68 | 142 | 303592 | 6.384 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.78 | 142 | 286944 | 6.368 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.85 | 216 | 132923 | 6.429 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.85 | 237 | 74551 | 5.456 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 8.96 | 196 | 84534 | 5.196 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 8.99 | 196 | 88069 | 5.425 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.15 | 154 | 369691 | 6.415 | ng | | 95 |
| 47) 2-Chloronaphthalene | 9.17 | 162 | 286310 | 6.056 | ng | | 96 |
| 48) 2-Nitroaniline | 9.25 | 65 | 66954 | 4.589 | ng | | 91 |
| 49) Acenaphthylene | 9.57 | 152 | 444927 | 6.092 | ng | | 96 |
| 50) Dimethylphthalate | 9.44 | 163 | 312976 | 5.785 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.50 | 165 | 63831 | 5.078 | ng | | 97 |
| 52) Acenaphthene | 9.75 | 154 | 265098 | 5.918 | ng | | 98 |
| 53) 3-Nitroaniline | 9.66 | 138 | 71102 | 4.621 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.76 | 184 | 12242 | 2.469 | ng | # | 53 |
| 55) Dibenzofuran | 9.92 | 168 | 393590 | 6.173 | ng | | 92 |
| 56) 4-Nitrophenol | 9.81 | 139 | 48533 | 4.257 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 9.89 | 165 | 78399 | 4.859 | ng | | 93 |
| 58) Fluorene | 10.26 | 166 | 302929 | 7.037 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.03 | 232 | 71885 | 5.410 | ng | | 98 |
| 60) Diethylphthalate | 10.15 | 149 | 311845 | 5.644 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.26 | 204 | 146821 | 6.816 | ng | | 99 |
| 62) 4-Nitroaniline | 10.26 | 138 | 67503 | 4.502 | ng | | 98 |
| 63) Azobenzene | 10.42 | 77 | 288801 | 5.693 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 10.30 | 198 | 21650 | 3.308 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 10.37 | 169 | 262532 | 6.021 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.75 | 248 | 87835 | 5.550 | ng | | 99 |
| 68) Hexachlorobenzene | 10.81 | 284 | 96276 | 5.616 | ng | | 94 |
| 69) Atrazine | 10.90 | 200 | 75949 | 5.528 | ng | | 98 |
| 70) Pentachlorophenol | 11.00 | 266 | 42988 | 4.350 | ng | | 99 |
| 71) Phenanthrene | 11.22 | 178 | 450260 | 5.981 | ng | | 96 |
| 72) Anthracene | 11.26 | 178 | 460042 | 6.038 | ng | | 97 |
| 73) Carbazole | 11.42 | 167 | 397025 | 5.929 | ng | | 97 |
| 74) Di-n-butylphthalate | 11.76 | 149 | 471051 | 5.789 | ng | | 96 |
| 75) Fluoranthene | 12.39 | 202 | 447723 | 5.743 | ng | | 95 |
| 77) Benzidine | 12.52 | 184 | 189820 | 4.160 | ng | | 98 |
| 78) Pyrene | 12.62 | 202 | 459078 | 4.898 | ng | | 96 |
| 80) Butylbenzylphthalate | 13.25 | 149 | 179456 | 3.809 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.80 | 228 | 412966 | 4.850 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 13.76 | 252 | 141224 | 4.294 | ng | | 99 |
| 83) Chrysene | 13.83 | 228 | 404429 | 4.971 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phthalate | 13.82 | 149 | 267198 | 4.588 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.43 | 149 | 420827 | 4.159 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 16.51 | 276 | 341410 | 4.190 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 14.81 | 252 | 387279 | 5.493 | ng | | 96 |
| 89) Benzo(k)fluoranthene | 14.83 | 252 | 358043 | 5.842 | ng | | 97 |
| 90) Benzo(a)pyrene | 15.14 | 252 | 343692 | 5.549 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.53 | 278 | 284681 | 5.201 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 16.90 | 276 | 268381 | 5.052 | ng | | 98 |

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

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