Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082521\
Data File : BM031896.D
Acq On : 25 Aug 2021 17:31
Operator : CG/JU
Sample : M2262-08
Misc : LOQ-WATER-5ppm
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
LOQ-WATER-02-QT2-2021

**Manual Integrations APPROVED**
mohammad
8/26/2021 11:41:18 AM

Quant Time: Aug 25 18:05:09 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 25 16:00:28 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.522 | 152 | 33698 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.281 | 136 | 138938 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.157 | 164 | 89444 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 16.915 | 188 | 178455 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.121 | 240 | 134059 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.262 | 264 | 126341 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.157 | 112 | 214290 | 105.130 | ng | | 0.00 |
| 7) Phenol-d6 | 6.722 | 99 | 290388 | 100.689 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.675 | 82 | 333136 | 103.858 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.663 | 330 | 109123 | 103.211 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.775 | 172 | 775164 | 114.339 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.568 | 244 | 960317 | 103.403 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.175 | 88 | 4233 | 5.094 | ng | # | 92 |
| 3) Pyridine | 3.569 | 79 | 8387 | 4.043 | ng | # | 80 |
| 4) n-Nitrosodimethylamine | 3.481 | 42 | 6047 | 4.291 | ng | # | 51 |
| 6) Aniline | 6.869 | 93 | 15629 | 5.101 | ng | | 94 |
| 8) 2-Chlorophenol | 7.093 | 128 | 10095 | 4.254 | ng | | 93 |
| 9) Benzaldehyde | 6.693 | 77 | 12238 | 6.398 | ng | | 96 |
| 10) Phenol | 6.746 | 94 | 12471 | 4.373 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 6.975 | 93 | 10067 | 4.839 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 7.410 | 146 | 12553 | 4.789 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.557 | 146 | 12732 | 4.741 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.863 | 146 | 12769 | 4.883 | ng | | 95 |
| 15) Benzyl Alcohol | 7.775 | 79 | 10180 | 4.138 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.051 | 45 | 12893 | 4.619 | ng | | 91 |
| 17) 2-Methylphenol | 7.969 | 107 | 8425 | 4.140 | ng | | 94 |
| 18) Hexachloroethane | 8.569 | 117 | 4913 | 4.416 | ng | | 91 |
| 19) n-Nitroso-di-n-propyla... | 8.328 | 70 | 9458 | 4.257 | ng | # | 95 |
| 20) 3+4-Methylphenols | 8.298 | 107 | 12271 | 4.383 | ng | | 95 |
| 22) Acetophenone | 8.340 | 105 | 18223 | 4.825 | ng | # | 99 |
| 24) Nitrobenzene | 8.716 | 77 | 15322m | 4.718 | ng | | |
| 25) Isophorone | 9.234 | 82 | 24486 | 4.420 | ng | | 98 |
| 26) 2-Nitrophenol | 9.416 | 139 | 5597 | 4.305 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 9.481 | 122 | 9959 | 5.090 | ng | | 88 |
| 28) bis(2-Chloroethoxy)met... | 9.722 | 93 | 13158 | 4.863 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 9.951 | 162 | 9247 | 4.024 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.145 | 180 | 11478 | 4.553 | ng | | 97 |
| 31) Naphthalene | 10.328 | 128 | 35704 | 4.599 | ng | | 98 |
| 32) Benzoic acid | 9.575 | 122 | 3724 | 2.234 | ng | | 92 |
| 33) 4-Chloroaniline | 10.463 | 127 | 13953 | 4.495 | ng | | 97 |
| 34) Hexachlorobutadiene | 10.604 | 225 | 7503 | 4.499 | ng | | 95 |
| 35) Caprolactam | 11.257 | 113 | 2791 | 3.985 | ng | # | 70 |
| 36) 4-Chloro-3-methylphenol | 11.586 | 107 | 10975 | 4.027 | ng | | 92 |
| 37) 2-Methylnaphthalene | 11.951 | 142 | 25805 | 4.464 | ng | | 91 |
| 38) 1-Methylnaphthalene | 12.169 | 142 | 23454 | 4.289 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.328 | 216 | 12811 | 4.889 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.292 | 237 | 5273 | 4.127 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.580 | 196 | 7978m | 4.240 | ng | | |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.657 | 196 | 8665 | 4.262 | ng | # | 93 |
| 46) 1,1'-Biphenyl | 12.986 | 154 | 34359 | 4.964 | ng | | 92 |
| 47) 2-Chloronaphthalene | 13.022 | 162 | 25373 | 4.656 | ng | | 96 |
| 48) 2-Nitroaniline | 13.251 | 65 | 7621 | 4.018 | ng | | 91 |
| 49) Acenaphthylene | 13.880 | 152 | 39573 | 4.514 | ng | | 99 |
| 50) Dimethylphthalate | 13.633 | 163 | 32067 | 4.523 | ng | # | 99 |
| 51) 2,6-Dinitrotoluene | 13.757 | 165 | 6226 | 3.987 | ng | | 95 |
| 52) Acenaphthene | 14.222 | 154 | 23711 | 4.442 | ng | | 95 |
| 53) 3-Nitroaniline | 14.092 | 138 | 5521 | 3.635 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.316 | 184 | 2399 | 2.713 | ng | # | 79 |
| 55) Dibenzofuran | 14.563 | 168 | 38781 | 4.314 | ng | | 99 |
| 56) 4-Nitrophenol | 14.439 | 139 | 3998 | 3.331 | ng | # | 76 |
| 57) 2,4-Dinitrotoluene | 14.557 | 165 | 8384 | 3.770 | ng | # | 96 |
| 58) Fluorene | 15.216 | 166 | 31175 | 4.230 | ng | | 94 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.798 | 232 | 7059 | 3.977 | ng | | 97 |
| 60) Diethylphthalate | 15.010 | 149 | 32742 | 4.231 | ng | | 96 |
| 61) 4-Chlorophenyl-phenyle... | 15.221 | 204 | 15541 | 4.248 | ng | | 99 |
| 62) 4-Nitroaniline | 15.269 | 138 | 5194 | 3.541 | ng | | 93 |
| 63) Azobenzene | 15.510 | 77 | 34870 | 4.087 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 15.327 | 198 | 3694 | 3.005 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.439 | 169 | 26102 | 4.389 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.116 | 248 | 8620 | 4.325 | ng | | 96 |
| 68) Hexachlorobenzene | 16.215 | 284 | 9325 | 4.426 | ng | | 96 |
| 69) Atrazine | 16.404 | 200 | 9087 | 4.532 | ng | | 95 |
| 70) Pentachlorophenol | 16.574 | 266 | 4642 | 3.508 | ng | | 96 |
| 71) Phenanthrene | 16.957 | 178 | 45400 | 4.321 | ng | | 98 |
| 72) Anthracene | 17.051 | 178 | 44749 | 4.354 | ng | | 99 |
| 73) Carbazole | 17.333 | 167 | 38349 | 3.951 | ng | | 98 |
| 74) Di-n-butylphthalate | 17.898 | 149 | 45774 | 3.757 | ng | | 99 |
| 75) Fluoranthene | 18.986 | 202 | 45973 | 4.007 | ng | | 98 |
| 77) Benzidine | 19.192 | 184 | 21324 | 6.081 | ng | | 96 |
| 78) Pyrene | 19.351 | 202 | 46654 | 4.161 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.274 | 149 | 18387 | 3.813 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.103 | 228 | 41600 | 4.314 | ng | | 96 |
| 82) 3,3'-Dichlorobenzidine | 21.056 | 252 | 14596 | 5.264 | ng | | 95 |
| 83) Chrysene | 21.156 | 228 | 40233 | 4.328 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phtha... | 21.050 | 149 | 25230 | 3.637 | ng | | 95 |
| 85) Di-n-octyl phthalate | 21.909 | 149 | 43125 | 4.125 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 25.380 | 276 | 41618 | 4.761 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 22.633 | 252 | 40168 | 4.199 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 22.674 | 252 | 39612 | 4.369 | ng | | 96 |
| 90) Benzo(a)pyrene | 23.174 | 252 | 38310 | 4.624 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 25.391 | 278 | 36146 | 4.774 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 26.021 | 276 | 35693 | 4.985 | ng | | 96 |

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

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