Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071421\
Data File : BF124566.D
Acq On : 14 Jul 2021 16:11
Operator : JU/CG
Sample : M2940-09
Misc : MDL-MDL-WATER 4ppm
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MDL-WATER-03-QT3-2021

**Manual Integrations APPROVED**
mohammad
7/16/2021 10:55:10 AM

Quant Time: Jul 14 16:44:03 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 14 13:25:43 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.928 | 152 | 6750 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.210 | 136 | 26241 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.963 | 164 | 14619 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.451 | 188 | 25876 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.092 | 240 | 18447 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.592 | 264 | 14285 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.545 | 112 | 45079 | 115.708 | ng | | 0.00 |
| 7) Phenol-d6 | 6.545 | 99 | 54700 | 115.415 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.486 | 82 | 25686 | 61.792 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.757 | 330 | 12899 | 113.385 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.286 | 172 | 63554 | 63.395 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.045 | 244 | 68369 | 62.235 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.799 | 88 | 354 | 2.778 | ng | # | 100 |
| 3) Pyridine | 3.599 | 79 | 584 | 1.787 | ng | # | 51 |
| 4) n-Nitrosodimethylamine | 3.481 | 42 | 925 | 3.482 | ng | # | 67 |
| 6) Aniline | 6.587 | 93 | 2211 | 4.428 | ng | | 98 |
| 8) 2-Chlorophenol | 6.710 | 128 | 1773 | 4.059 | ng | | 94 |
| 9) Benzaldehyde | 6.475 | 77 | 1112 | 3.999 | ng | | 93 |
| 10) Phenol | 6.557 | 94 | 1896 | 4.098 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.657 | 93 | 1465 | 4.084 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.869 | 146 | 2021 | 4.228 | ng | # | 87 |
| 13) 1,4-Dichlorobenzene | 6.945 | 146 | 2009 | 4.114 | ng | | 87 |
| 14) 1,2-Dichlorobenzene | 7.098 | 146 | 1935m | 4.170 | ng | | |
| 15) Benzyl Alcohol | 7.051 | 79 | 985 | 3.004 | ng | # | 86 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.192 | 45 | 2487 | 4.022 | ng | | 75 |
| 17) 2-Methylphenol | 7.157 | 107 | 1253 | 3.919 | ng | | 94 |
| 18) Hexachloroethane | 7.439 | 117 | 666 | 3.622 | ng | # | 65 |
| 19) n-Nitroso-di-n-propyla... | 7.328 | 70 | 963 | 3.614 | ng | # | 78 |
| 20) 3+4-Methylphenols | 7.310 | 107 | 1748 | 4.153 | ng | # | 74 |
| 22) Acetophenone | 7.328 | 105 | 2571 | 4.317 | ng | # | 93 |
| 24) Nitrobenzene | 7.504 | 77 | 1555 | 3.773 | ng | | 96 |
| 25) Isophorone | 7.734 | 82 | 2677 | 3.508 | ng | # | 86 |
| 26) 2-Nitrophenol | 7.816 | 139 | 729 | 3.279 | ng | # | 73 |
| 27) 2,4-Dimethylphenol | 7.845 | 122 | 1920 | 5.211 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.951 | 93 | 1828 | 4.107 | ng | | 93 |
| 29) 2,4-Dichlorophenol | 8.051 | 162 | 1436 | 3.779 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 8.145 | 180 | 1750 | 4.161 | ng | | 98 |
| 31) Naphthalene | 8.228 | 128 | 5516 | 4.064 | ng | | 99 |
| 32) Benzoic acid | 7.886 | 122 | 281 | 1.094 | ng | | 88 |
| 33) 4-Chloroaniline | 8.269 | 127 | 2061 | 4.018 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.345 | 225 | 801 | 3.374 | ng | | 95 |
| 35) Caprolactam | 8.604 | 113 | 110 | 1.144 | ng | # | 35 |
| 36) 4-Chloro-3-methylphenol | 8.739 | 107 | 1359 | 3.616 | ng | # | 74 |
| 37) 2-Methylnaphthalene | 8.922 | 142 | 3556 | 3.883 | ng | | 96 |
| 38) 1-Methylnaphthalene | 9.016 | 142 | 3537 | 4.112 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 9.081 | 216 | 1550 | 3.975 | ng | # | 95 |
| 41) Hexachlorocyclopentadiene | 9.075 | 237 | 1243 | 5.103 | ng | | 87 |
| 43) 2,4,6-Trichlorophenol | 9.192 | 196 | 742 | 2.636 | ng | # | 81 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.222 | 196 | 911 | 3.138 | ng | # | 87 |
| 46) 1,1'-Biphenyl | 9.380 | 154 | 4698 | 4.231 | ng | | 96 |
| 47) 2-Chloronaphthalene | 9.410 | 162 | 3314 | 3.807 | ng | | 96 |
| 48) 2-Nitroaniline | 9.498 | 65 | 683 | 3.263 | ng | | 97 |
| 49) Acenaphthylene | 9.822 | 152 | 5286 | 3.891 | ng | | 98 |
| 50) Dimethylphthalate | 9.675 | 163 | 4165 | 4.095 | ng | # | 97 |
| 51) 2,6-Dinitrotoluene | 9.739 | 165 | 600 | 2.992 | ng | | 93 |
| 52) Acenaphthene | 9.998 | 154 | 3356 | 3.864 | ng | | 95 |
| 53) 3-Nitroaniline | 9.904 | 138 | 854 | 3.817 | ng | # | 95 |
| 54) 2,4-Dinitrophenol | 10.004 | 184 | 130 | 1.243 | ng | # | 1 |
| 55) Dibenzofuran | 10.169 | 168 | 4827 | 3.780 | ng | | 95 |
| 56) 4-Nitrophenol | 10.045 | 139 | 659 | 3.539 | ng | # | 86 |
| 57) 2,4-Dinitrotoluene | 10.139 | 165 | 983 | 3.581 | ng | # | 76 |
| 58) Fluorene | 10.510 | 166 | 4207 | 4.259 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.280 | 232 | 783 | 3.492 | ng | # | 93 |
| 60) Diethylphthalate | 10.380 | 149 | 4287 | 4.031 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 10.504 | 204 | 1724 | 3.845 | ng | | 96 |
| 62) 4-Nitroaniline | 10.510 | 138 | 886 | 3.929 | ng | # | 81 |
| 63) Azobenzene | 10.669 | 77 | 3478 | 3.741 | ng | | 91 |
| 65) 4,6-Dinitro-2-methylph... | 10.545 | 198 | 348 | 2.354 | ng | # | 22 |
| 66) n-Nitrosodiphenylamine | 10.622 | 169 | 3188 | 3.784 | ng | | 95 |
| 67) 4-Bromophenyl-phenylether | 10.992 | 248 | 925 | 3.457 | ng | # | 77 |
| 68) Hexachlorobenzene | 11.057 | 284 | 983 | 3.586 | ng | # | 90 |
| 69) Atrazine | 11.139 | 200 | 1093 | 4.236 | ng | | 95 |
| 70) Pentachlorophenol | 11.251 | 266 | 487 | 2.809 | ng | # | 78 |
| 71) Phenanthrene | 11.474 | 178 | 5440 | 3.853 | ng | | 96 |
| 72) Anthracene | 11.527 | 178 | 5936 | 4.191 | ng | | 98 |
| 73) Carbazole | 11.674 | 167 | 5040 | 3.851 | ng | | 98 |
| 74) Di-n-butylphthalate | 12.010 | 149 | 7149 | 4.055 | ng | | 98 |
| 75) Fluoranthene | 12.663 | 202 | 5604 | 3.935 | ng | | 96 |
| 77) Benzidine | 12.786 | 184 | 3333 | 4.833 | ng | | 99 |
| 78) Pyrene | 12.892 | 202 | 6129 | 3.999 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.510 | 149 | 2770 | 3.738 | ng | | 96 |
| 81) Benzo(a)anthracene | 14.080 | 228 | 4725 | 3.862 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.045 | 252 | 1715 | 5.352 | ng | # | 93 |
| 83) Chrysene | 14.115 | 228 | 4686 | 3.998 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phtha... | 14.068 | 149 | 3731 | 3.750 | ng | # | 94 |
| 85) Di-n-octyl phthalate | 14.686 | 149 | 5093 | 3.538 | ng | # | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 17.086 | 276 | 2861 | 3.453 | ng | # | 83 |
| 88) Benzo(b)fluoranthene | 15.145 | 252 | 4184m | 4.081 | ng | | |
| 89) Benzo(k)fluoranthene | 15.174 | 252 | 3699 | 3.932 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.515 | 252 | 3345 | 3.952 | ng | | 96 |
| 91) Dibenzo(a,h)anthracene | 17.109 | 278 | 2505 | 3.552 | ng | | 95 |
| 92) Benzo(g,h,i)perylene | 17.551 | 276 | 2409 | 3.499 | ng | # | 70 |

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

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