Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
Data File : BF139070.D
Acq On : 19 Aug 2024 12:32
Operator : RC/JU
Sample : P3390-09
Misc : MDL-MDL-WATER-4PPM
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MDL-WATER-03-QT3-2024

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

Quant Time: Aug 19 13:01:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.834 | 152 | 46349 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.116 | 136 | 191449 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.869 | 164 | 111978 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.357 | 188 | 201770 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 13.998 | 240 | 107829 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.468 | 264 | 86303 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.469 | 112 | 388430 | 129.366 | ng | | 0.00 |
| 7) Phenol-d6 | 6.487 | 99 | 528050 | 130.989 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.404 | 82 | 353866 | 90.369 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.663 | 330 | 124985 | 136.261 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.192 | 172 | 655343 | 87.933 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.939 | 244 | 645129 | 100.170 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.581 | 88 | 4767 | 3.626 | ng | | 95 |
| 3) Pyridine | 3.469 | 79 | 9177m | 2.882 | ng | | |
| 4) n-Nitrosodimethylamine | 3.334 | 42 | 8374m | 4.415 | ng | | |
| 6) Aniline | 6.510 | 93 | 17287 | 4.808 | ng | | 93 |
| 8) 2-Chlorophenol | 6.628 | 128 | 13572 | 4.296 | ng | | 88 |
| 9) Benzaldehyde | 6.404 | 77 | 11941 | 4.941 | ng | | 98 |
| 10) Phenol | 6.498 | 94 | 17478 | 4.118 | ng | # | 37 |
| 11) bis(2-Chloroethyl)ether | 6.575 | 93 | 13818 | 4.231 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.775 | 146 | 13916 | 3.935 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.851 | 146 | 13650 | 3.825 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 7.004 | 146 | 14123 | 4.235 | ng | | 95 |
| 15) Benzyl Alcohol | 6.992 | 79 | 11790 | 4.058 | ng | # | 65 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.104 | 45 | 23719 | 4.220 | ng | | 52 |
| 17) 2-Methylphenol | 7.110 | 107 | 10466 | 4.012 | ng | # | 76 |
| 18) Hexachloroethane | 7.340 | 117 | 5859 | 4.362 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.245 | 70 | 10450 | 4.292 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.269 | 107 | 14328 | 4.281 | ng | # | 53 |
| 22) Acetophenone | 7.251 | 105 | 20173 | 4.303 | ng | # | 95 |
| 24) Nitrobenzene | 7.422 | 77 | 17184 | 4.313 | ng | | 100 |
| 25) Isophorone | 7.657 | 82 | 27822 | 4.161 | ng | | 99 |
| 26) 2-Nitrophenol | 7.745 | 139 | 6571 | 3.833 | ng | # | 88 |
| 27) 2,4-Dimethylphenol | 7.787 | 122 | 7185 | 3.503 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 7.869 | 93 | 15872 | 3.898 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.010 | 162 | 9627 | 3.653 | ng | | 91 |
| 30) 1,2,4-Trichlorobenzene | 8.057 | 180 | 12222 | 4.018 | ng | | 97 |
| 31) Naphthalene | 8.139 | 128 | 41212 | 4.090 | ng | | 99 |
| 32) Benzoic acid | 7.963 | 122 | 1457m | 0.904 | ng | | |
| 33) 4-Chloroaniline | 8.204 | 127 | 15706 | 4.643 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 7493 | 4.067 | ng | | 97 |
| 35) Caprolactam | 8.545 | 113 | 2964 | 3.769 | ng | # | 91 |
| 36) 4-Chloro-3-methylphenol | 8.692 | 107 | 12209 | 4.053 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.828 | 142 | 26341 | 4.139 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.928 | 142 | 25408 | 4.074 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.992 | 216 | 12904 | 4.148 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.122 | 196 | 6322 | 3.333 | ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 9.181 | 196 | 7367 | 3.553 | ng | # | 76 |

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Operator : RC/JU
Sample : P3390-09
Misc : MDL-MDL-WATER-4PPM
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
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Quant Time: Aug 19 13:01:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 9.286 | 154 | 37034 | 4.223 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.316 | 162 | 25908 | 3.972 | ng | | 99 |
| 48) 2-Nitroaniline | 9.428 | 65 | 8847 | 4.001 | ng | | 96 |
| 49) Acenaphthylene | 9.733 | 152 | 40272 | 4.353 | ng | | 99 |
| 50) Dimethylphthalate | 9.586 | 163 | 30590 | 4.272 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.657 | 165 | 6468 | 4.003 | ng | # | 75 |
| 52) Acenaphthene | 9.898 | 154 | 25466 | 4.095 | ng | | 99 |
| 53) 3-Nitroaniline | 9.839 | 138 | 6480 | 3.879 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 9.998 | 184 | 116 | 0.156 | ng | # | 16 |
| 55) Dibenzofuran | 10.075 | 168 | 37913 | 4.319 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 10.075 | 165 | 8271 | 4.012 | ng | # | 62 |
| 58) Fluorene | 10.416 | 166 | 30457 | 4.357 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.210 | 232 | 5848m | 3.689 | ng | | |
| 60) Diethylphthalate | 10.286 | 149 | 31282 | 4.608 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204 | 14707 | 4.278 | ng | | 88 |
| 62) 4-Nitroaniline | 10.451 | 138 | 5463 | 3.441 | ng | | 87 |
| 63) Azobenzene | 10.569 | 77 | 32981 | 4.380 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 10.492 | 198 | 2339 | 1.900 | ng | # | 77 |
| 66) n-Nitrosodiphenylamine | 10.528 | 169 | 25020 | 3.967 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.898 | 248 | 8392 | 3.842 | ng | | 95 |
| 68) Hexachlorobenzene | 10.969 | 284 | 8668 | 3.843 | ng | | 99 |
| 69) Atrazine | 11.051 | 200 | 8812 | 5.415 | ng | | 97 |
| 71) Phenanthrene | 11.380 | 178 | 43058 | 4.144 | ng | | 99 |
| 72) Anthracene | 11.433 | 178 | 40974 | 4.003 | ng | | 98 |
| 73) Carbazole | 11.598 | 167 | 35302 | 3.998 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 46172 | 4.651 | ng | | 99 |
| 75) Fluoranthene | 12.574 | 202 | 41546 | 4.283 | ng | | 97 |
| 77) Benzidine | 12.704 | 184 | 7507 | 2.911 | ng | | 98 |
| 78) Pyrene | 12.804 | 202 | 42862 | 4.222 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 15877 | 4.884 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.992 | 228 | 30318 | 4.083 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 13.957 | 252 | 7897 | 4.156 | ng | | 98 |
| 83) Chrysene | 14.027 | 228 | 26682 | 3.983 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 13.963 | 149 | 19087 | 4.009 | ng | | 96 |
| 85) Di-n-octyl phthalate | 14.574 | 149 | 24715 | 2.806 | ng | # | 93 |
| 87) Indeno(1,2,3-cd)pyrene | 16.962 | 276 | 19928 | 3.222 | ng | | 94 |
| 88) Benzo(b)fluoranthene | 15.045 | 252 | 20846 | 3.896 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.074 | 252 | 22520 | 4.862 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.410 | 252 | 19162 | 4.258 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.962 | 278 | 16262 | 3.203 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.415 | 276 | 15542 | 2.950 | ng | | 94 |

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

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