Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
Data File : BF139071.D
Acq On : 19 Aug 2024 13:02
Operator : RC/JU
Sample : P3390-09
Misc : MDL-MDL-WATER-8PPM
ALS Vial : 8 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 13:59:02 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 | 47859 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.116 | 136 | 201624 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.869 | 164 | 111926 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.357 | 188 | 202258 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 13.998 | 240 | 102276 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.468 | 264 | 88008 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.469 | 112 | 406464 | 131.102 | ng | | 0.00 |
| 7) Phenol-d6 | 6.487 | 99 | 552227 | 132.665 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.404 | 82 | 364436 | 88.371 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.663 | 330 | 122218 | 133.306 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.192 | 172 | 666126 | 89.421 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.939 | 244 | 627578 | 102.735 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.587 | 88 | 10159 | 7.484 | ng | # | 94 |
| 3) Pyridine | 3.434 | 79 | 21941m | 6.673 | ng | | |
| 4) n-Nitrosodimethylamine | 3.310 | 42 | 17572 | 8.973 | ng | | 84 |
| 6) Aniline | 6.510 | 93 | 35351 | 9.523 | ng | | 91 |
| 8) 2-Chlorophenol | 6.628 | 128 | 26790 | 8.213 | ng | | 93 |
| 9) Benzaldehyde | 6.398 | 77 | 23835 | 9.552 | ng | | 98 |
| 10) Phenol | 6.498 | 94 | 36750 | 8.385 | ng | # | 55 |
| 11) bis(2-Chloroethyl)ether | 6.575 | 93 | 27204 | 8.066 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.775 | 146 | 28791 | 7.885 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 6.851 | 146 | 29569 | 8.024 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.004 | 146 | 28520 | 8.282 | ng | | 96 |
| 15) Benzyl Alcohol | 6.992 | 79 | 23596 | 7.865 | ng | # | 84 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.104 | 45 | 49587 | 8.543 | ng | | 52 |
| 17) 2-Methylphenol | 7.104 | 107 | 24071 | 8.937 | ng | # | 84 |
| 18) Hexachloroethane | 7.339 | 117 | 11859 | 8.550 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 7.245 | 70 | 21983 | 8.744 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.263 | 107 | 30345 | 8.781 | ng | # | 67 |
| 22) Acetophenone | 7.251 | 105 | 42141 | 8.536 | ng | | 95 |
| 24) Nitrobenzene | 7.422 | 77 | 35107 | 8.366 | ng | | 97 |
| 25) Isophorone | 7.657 | 82 | 58356 | 8.287 | ng | | 97 |
| 26) 2-Nitrophenol | 7.739 | 139 | 14184 | 7.856 | ng | | 88 |
| 27) 2,4-Dimethylphenol | 7.781 | 122 | 15364 | 7.113 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.869 | 93 | 34206 | 7.977 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 7.998 | 162 | 21914 | 7.895 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.057 | 180 | 25514 | 7.965 | ng | | 97 |
| 31) Naphthalene | 8.139 | 128 | 85077 | 8.016 | ng | | 100 |
| 32) Benzoic acid | 7.939 | 122 | 4192m | 2.469 | ng | | |
| 33) 4-Chloroaniline | 8.198 | 127 | 30881 | 8.668 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 15620 | 8.051 | ng | | 99 |
| 35) Caprolactam | 8.545 | 113 | 6668 | 8.051 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 8.686 | 107 | 26074 | 8.219 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.828 | 142 | 54949 | 8.198 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.928 | 142 | 52416 | 7.981 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.992 | 216 | 26234 | 8.438 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 8.975 | 237 | 342 | 7.345 | ng | # | 71 |
| 43) 2,4,6-Trichlorophenol | 9.116 | 196 | 13698 | 7.226 | ng | | 97 |

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Sample : P3390-09
Misc : MDL-MDL-WATER-8PPM
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**Instrument :**
BNA_F
**ClientSampleId :**
MDL-WATER-03-QT3-2024

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Quant Time: Aug 19 13:59:02 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) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.175 | 196 | 16756 | 8.085 | ng | | 93 |
| 46) 1,1'-Biphenyl | 9.286 | 154 | 72736 | 8.298 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.316 | 162 | 52497 | 8.052 | ng | | 98 |
| 48) 2-Nitroaniline | 9.422 | 65 | 18784 | 8.499 | ng | | 92 |
| 49) Acenaphthylene | 9.728 | 152 | 81727 | 8.839 | ng | | 100 |
| 50) Dimethylphthalate | 9.586 | 163 | 62905 | 8.790 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.657 | 165 | 13411 | 8.303 | ng | # | 80 |
| 52) Acenaphthene | 9.898 | 154 | 51209 | 8.239 | ng | | 99 |
| 53) 3-Nitroaniline | 9.839 | 138 | 12477 | 7.473 | ng | | 85 |
| 54) 2,4-Dinitrophenol | 9.980 | 184 | 1764 | 2.373 | ng | | 92 |
| 55) Dibenzofuran | 10.075 | 168 | 75375 | 8.591 | ng | | 95 |
| 56) 4-Nitrophenol | 10.057 | 139 | 2358m | 2.348 | ng | | |
| 57) 2,4-Dinitrotoluene | 10.069 | 165 | 17211 | 8.352 | ng | # | 64 |
| 58) Fluorene | 10.416 | 166 | 60392 | 8.643 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.204 | 232 | 12442m | 7.853 | ng | | |
| 60) Diethylphthalate | 10.286 | 149 | 63532 | 9.363 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204 | 29964 | 8.720 | ng | | 95 |
| 62) 4-Nitroaniline | 10.451 | 138 | 10997m | 6.931 | ng | | |
| 63) Azobenzene | 10.569 | 77 | 65503 | 8.703 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 10.486 | 198 | 6507 | 5.273 | ng | | 87 |
| 66) n-Nitrosodiphenylamine | 10.528 | 169 | 50515 | 7.990 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.898 | 248 | 16869 | 7.703 | ng | | 99 |
| 68) Hexachlorobenzene | 10.963 | 284 | 17276 | 7.641 | ng | | 94 |
| 69) Atrazine | 11.051 | 200 | 16545 | 10.143 | ng | | 98 |
| 70) Pentachlorophenol | 11.192 | 266 | 1368 | 1.342 | ng | | 86 |
| 71) Phenanthrene | 11.380 | 178 | 85296 | 8.190 | ng | | 99 |
| 72) Anthracene | 11.433 | 178 | 83802 | 8.168 | ng | | 100 |
| 73) Carbazole | 11.598 | 167 | 69327 | 7.832 | ng | | 97 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 94211 | 9.468 | ng | | 99 |
| 75) Fluoranthene | 12.574 | 202 | 79882 | 8.216 | ng | | 97 |
| 77) Benzidine | 12.698 | 184 | 16663 | 6.812 | ng | # | 94 |
| 78) Pyrene | 12.804 | 202 | 81271 | 8.440 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.410 | 149 | 28385 | 9.205 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.992 | 228 | 57582 | 8.176 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.957 | 252 | 16246 | 9.014 | ng | | 97 |
| 83) Chrysene | 14.027 | 228 | 50140 | 7.891 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.963 | 149 | 31858 | 7.055 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.574 | 149 | 47561 | 5.693 | ng | | 94 |
| 87) Indeno(1,2,3-cd)pyrene | 16.951 | 276 | 42673 | 6.766 | ng | | 95 |
| 88) Benzo(b)fluoranthene | 15.039 | 252 | 45524 | 8.344 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.068 | 252 | 40486 | 8.571 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.410 | 252 | 39955 | 8.707 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 16.956 | 278 | 33599 | 6.490 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.404 | 276 | 32597 | 6.067 | ng | # | 93 |

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

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