Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111124\
Data File : BP023012.D
Acq On : 11 Nov 2024 13:36
Operator : RC/JU
Sample : P4368-09
Misc : MDL-MDL-WATER 8 PPM
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MDL-WATER-03-QT4-2024

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024

Quant Time: Nov 11 14:38:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 23:36:11 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.593 | 152 | 55105 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.340 | 136 | 205503 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.210 | 164 | 173650 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.016 | 188 | 457647 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.457 | 240 | 547682 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.704 | 264 | 679415 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.228 | 112 | 332914 | 114.653 | ng | | 0.00 |
| 7) Phenol-d6 | 6.787 | 99 | 478282 | 118.112 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.728 | 82 | 392909 | 90.327 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.728 | 330 | 454466 | 135.021 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 12.816 | 172 | 1072531 | 88.252 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.763 | 244 | 2644265 | 90.673 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.175 | 88 | 10523 | 9.077 | ng | | 96 |
| 3) Pyridine | 3.587 | 79 | 23014m | 7.230 | ng | | |
| 4) n-Nitrosodimethylamine | 3.493 | 42 | 13226m | 8.619 | ng | | |
| 6) Aniline | 6.934 | 93 | 34401 | 10.191 | ng | | 99 |
| 8) 2-Chlorophenol | 7.163 | 128 | 24443 | 8.031 | ng | | 95 |
| 9) Benzaldehyde | 6.763 | 77 | 25035 | 10.697 | ng | | 95 |
| 10) Phenol | 6.811 | 94 | 33719 | 8.408 | ng | | 86 |
| 11) bis(2-Chloroethyl)ether | 7.028 | 93 | 25235 | 8.329 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.481 | 146 | 29095 | 7.491 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 7.622 | 146 | 30160 | 7.604 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.934 | 146 | 29836 | 7.780 | ng | | 94 |
| 15) Benzyl Alcohol | 7.846 | 79 | 22061 | 7.193 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.099 | 45 | 29819 | 9.071 | ng | | 98 |
| 17) 2-Methylphenol | 8.046 | 107 | 21797 | 8.007 | ng | | 92 |
| 18) Hexachloroethane | 8.640 | 117 | 11905 | 8.113 | ng | | 91 |
| 19) n-Nitroso-di-n-propyla... | 8.381 | 70 | 23105 | 8.336 | ng | # | 92 |
| 20) 3+4-Methylphenols | 8.375 | 107 | 29315 | 7.705 | ng | | 98 |
| 22) Acetophenone | 8.405 | 105 | 47131 | 8.616 | ng | # | 90 |
| 24) Nitrobenzene | 8.775 | 77 | 37786 | 8.552 | ng | | 96 |
| 25) Isophorone | 9.293 | 82 | 62677 | 8.513 | ng | | 100 |
| 26) 2-Nitrophenol | 9.481 | 139 | 13365 | 7.366 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 9.552 | 122 | 15762 | 7.608 | ng | | 89 |
| 28) bis(2-Chloroethoxy)met... | 9.763 | 93 | 35194 | 8.416 | ng | # | 98 |
| 29) 2,4-Dichlorophenol | 10.034 | 162 | 27243 | 7.596 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.210 | 180 | 37312 | 8.138 | ng | | 94 |
| 31) Naphthalene | 10.387 | 128 | 84445 | 8.201 | ng | | 99 |
| 32) Benzoic acid | 9.669 | 122 | 16100m | 6.471 | ng | | |
| 33) 4-Chloroaniline | 10.522 | 127 | 31953 | 8.718 | ng | | 96 |
| 34) Hexachlorobutadiene | 10.663 | 225 | 26131 | 7.771 | ng | | 99 |
| 35) Caprolactam | 11.304 | 113 | 8131m | 7.573 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.651 | 107 | 31054 | 7.766 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.004 | 142 | 64068 | 8.308 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.222 | 142 | 60894 | 7.956 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 12.381 | 216 | 49127 | 8.357 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.346 | 237 | 12894 | 7.810 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.640 | 196 | 29206 | 7.811 | ng | | 98 |

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Sample : P4368-09
Misc : MDL-MDL-WATER 8 PPM
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MDL-WATER-03-QT4-2024

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Reviewed By :Yogesh Patel 11/12/2024
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 23:36:11 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.728 | 196 | 30316 | 7.123 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.022 | 154 | 99723 | 8.639 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.069 | 162 | 77960 | 8.138 | ng | | 95 |
| 48) 2-Nitroaniline | 13.298 | 65 | 20900 | 7.488 | ng | | 95 |
| 49) Acenaphthylene | 13.934 | 152 | 116893 | 8.737 | ng | | 98 |
| 50) Dimethylphthalate | 13.657 | 163 | 106210 | 8.354 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.793 | 165 | 21672 | 7.497 | ng | # | 86 |
| 52) Acenaphthene | 14.275 | 154 | 67791 | 7.880 | ng | | 99 |
| 53) 3-Nitroaniline | 14.151 | 138 | 17201 | 7.323 | ng | | 93 |
| 54) 2,4-Dinitrophenol | 14.369 | 184 | 10441 | 5.820 | ng | | 97 |
| 55) Dibenzofuran | 14.622 | 168 | 129892 | 8.598 | ng | | 99 |
| 56) 4-Nitrophenol | 14.522 | 139 | 10256m | 5.309 | ng | | |
| 57) 2,4-Dinitrotoluene | 14.616 | 165 | 31123 | 7.447 | ng | | 95 |
| 58) Fluorene | 15.287 | 166 | 103659 | 8.258 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.869 | 232 | 33791 | 8.232 | ng | | 99 |
| 60) Diethylphthalate | 15.045 | 149 | 106042 | 8.386 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.275 | 204 | 61301 | 8.286 | ng | | 93 |
| 62) 4-Nitroaniline | 15.334 | 138 | 16311 | 6.768 | ng | | 92 |
| 63) Azobenzene | 15.569 | 77 | 96770 | 8.900 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 15.392 | 198 | 19136 | 6.873 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.492 | 169 | 91986 | 8.130 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.181 | 248 | 43246 | 7.879 | ng | | 92 |
| 68) Hexachlorobenzene | 16.304 | 284 | 55364 | 7.875 | ng | | 94 |
| 69) Atrazine | 16.469 | 200 | 39966 | 10.480 | ng | | 96 |
| 70) Pentachlorophenol | 16.681 | 266 | 28965 | 6.451 | ng | | 90 |
| 71) Phenanthrene | 17.063 | 178 | 183665 | 8.293 | ng | | 99 |
| 72) Anthracene | 17.157 | 178 | 181219 | 8.526 | ng | | 99 |
| 73) Carbazole | 17.451 | 167 | 163133 | 8.036 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.022 | 149 | 173388 | 7.664 | ng | | 99 |
| 75) Fluoranthene | 19.163 | 202 | 240240 | 7.819 | ng | | 98 |
| 77) Benzidine | 19.369 | 184 | 102554 | 9.477 | ng | | 98 |
| 78) Pyrene | 19.539 | 202 | 256167 | 7.902 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.492 | 149 | 80399 | 7.274 | ng | | 94 |
| 81) Benzo(a)anthracene | 21.439 | 228 | 284624 | 8.351 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.369 | 252 | 107069 | 7.761 | ng | | 98 |
| 83) Chrysene | 21.510 | 228 | 276093 | 8.649 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.369 | 149 | 121287 | 7.646 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.604 | 149 | 203201 | 7.665 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.380 | 276 | 386990 | 8.445 | ng | # | 95 |
| 88) Benzo(b)fluoranthene | 23.680 | 252 | 322196 | 8.072 | ng | | 95 |
| 89) Benzo(k)fluoranthene | 23.751 | 252 | 315734m | 8.377 | ng | | |
| 90) Benzo(a)pyrene | 24.557 | 252 | 289834 | 8.486 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 28.433 | 278 | 319553 | 8.504 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 29.515 | 276 | 295621 | 7.677 | ng | | 99 |

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

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