Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091922\
Data File : BP011733.D
Acq On : 19 Sep 2022 13:42
Operator : CG/JU
Sample : N3980-09
Misc : MDL-MDL-WATER-4ppm
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
MDL-WATER-03-QT3-2022

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 09/20/2022
Supervised By :Jagrut Upadhyay 09/22/2022

Quant Time: Sep 20 05:06:06 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 20 05:06:01 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.940 | 152 | 475526 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.752 | 136 | 1898723 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.581 | 164 | 1066587 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.340 | 188 | 2083317 | 20.000 | ng | # | 0.01 |
| 76) Chrysene-d12 | 21.416 | 240 | 1909502 | 20.000 | ng | # | 0.01 |
| 86) Perylene-d12 | 23.874 | 264 | 1851589 | 20.000 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 2713405 | 103.863 | ng | | 0.00 |
| 7) Phenol-d6 | 7.099 | 99 | 3572984 | 102.599 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.105 | 82 | 2431157 | 75.938 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.075 | 330 | 817984 | 98.154 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 13.210 | 172 | 5235079 | 76.296 | ng | | 0.01 |
| 79) Terphenyl-d14 | 19.892 | 244 | 6724785 | 76.583 | ng | | 0.02 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.376 | 88 | 45402 | 3.946 | ng | # | 86 |
| 3) Pyridine | 3.799 | 79 | 93044m | 2.805 | ng | | |
| 4) n-Nitrosodimethylamine | 3.693 | 42 | 47064 | 3.701 | ng | # | 45 |
| 6) Aniline | 7.264 | 93 | 164714 | 3.840 | ng | | 91 |
| 8) 2-Chlorophenol | 7.505 | 128 | 114540 | 3.698 | ng | | 91 |
| 9) Benzaldehyde | 7.075 | 77 | 105428 | 4.730 | ng | | 96 |
| 10) Phenol | 7.122 | 94 | 142556 | 3.640 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 7.364 | 93 | 115900 | 3.714 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.828 | 146 | 127054 | 3.698 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 7.975 | 146 | 130842 | 3.745 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.293 | 146 | 123133 | 3.697 | ng | | 98 |
| 15) Benzyl Alcohol | 8.181 | 79 | 84089 | 3.382 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.469 | 45 | 167191 | 4.012 | ng | | 94 |
| 17) 2-Methylphenol | 8.381 | 107 | 82104 | 3.228 | ng | | 93 |
| 18) Hexachloroethane | 9.028 | 117 | 42940 | 3.553 | ng | | 93 |
| 19) n-Nitroso-di-n-propyla... | 8.752 | 70 | 76315 | 3.385 | ng | # | 87 |
| 20) 3+4-Methylphenols | 8.711 | 107 | 107748 | 3.085 | ng | | 93 |
| 22) Acetophenone | 8.769 | 105 | 166186 | 3.734 | ng | # | 90 |
| 24) Nitrobenzene | 9.152 | 77 | 130540 | 3.919 | ng | | 90 |
| 25) Isophorone | 9.681 | 82 | 192344 | 3.396 | ng | | 96 |
| 26) 2-Nitrophenol | 9.863 | 139 | 34057 | 2.492 | ng | # | 88 |
| 27) 2,4-Dimethylphenol | 9.922 | 122 | 85015 | 3.590 | ng | | 91 |
| 28) bis(2-Chloroethoxy)met... | 10.163 | 93 | 143825 | 3.971 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.399 | 162 | 75636 | 2.884 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.616 | 180 | 101717 | 3.503 | ng | | 99 |
| 31) Naphthalene | 10.805 | 128 | 356917 | 3.622 | ng | | 100 |
| 33) 4-Chloroaniline | 10.916 | 127 | 132404 | 3.425 | ng | # | 91 |
| 34) Hexachlorobutadiene | 11.093 | 225 | 54282 | 3.393 | ng | | 97 |
| 35) Caprolactam | 11.687 | 113 | 19242 | 2.264 | ng | # | 87 |
| 36) 4-Chloro-3-methylphenol | 12.034 | 107 | 82852 | 2.937 | ng | | 92 |
| 37) 2-Methylnaphthalene | 12.410 | 142 | 229751 | 3.484 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.628 | 142 | 220744 | 3.424 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.775 | 216 | 102640 | 3.646 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 12.757 | 237 | 49444 | 3.519 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 13.016 | 196 | 50181 | 2.621 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.081 | 196 | 58481 | 2.732 | ng | | 95 |

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Quant Time: Sep 20 05:06:06 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 20 05:06:01 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 13.416 | 154 | 307045 | 3.957 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.457 | 162 | 222161 | 3.639 | ng | | 99 |
| 48) 2-Nitroaniline | 13.663 | 65 | 44946 | 2.625 | ng | | 92 |
| 49) Acenaphthylene | 14.304 | 152 | 303922 | 3.217 | ng | | 99 |
| 50) Dimethylphthalate | 14.040 | 163 | 251819 | 3.384 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.151 | 165 | 38661 | 2.562 | ng | | 94 |
| 52) Acenaphthene | 14.646 | 154 | 216222m | 3.441 | ng | | |
| 53) 3-Nitroaniline | 14.487 | 138 | 41305 | 2.374 | ng | # | 97 |
| 55) Dibenzofuran | 14.981 | 168 | 330981 | 3.658 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.940 | 165 | 43339 | 2.217 | ng | | 94 |
| 58) Fluorene | 15.634 | 166 | 257353 | 3.507 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.204 | 232 | 45257 | 2.573 | ng | | 91 |
| 60) Diethylphthalate | 15.404 | 149 | 241553 | 3.261 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.628 | 204 | 119874 | 3.533 | ng | | 99 |
| 62) 4-Nitroaniline | 15.645 | 138 | 40030 | 2.289 | ng | # | 81 |
| 63) Azobenzene | 15.922 | 77 | 222041 | 3.119 | ng | | 91 |
| 66) n-Nitrosodiphenylamine | 15.840 | 169 | 206060 | 3.324 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.522 | 248 | 61008 | 3.128 | ng | # | 91 |
| 68) Hexachlorobenzene | 16.634 | 284 | 68839 | 3.277 | ng | # | 88 |
| 69) Atrazine | 16.792 | 200 | 58053 | 3.068 | ng | | 95 |
| 70) Pentachlorophenol | 16.987 | 266 | 28709 | 2.155 | ng | | 91 |
| 71) Phenanthrene | 17.381 | 178 | 403089 | 3.556 | ng | | 99 |
| 72) Anthracene | 17.469 | 178 | 354293 | 3.305 | ng | | 99 |
| 73) Carbazole | 17.739 | 167 | 334100 | 3.303 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.292 | 149 | 343741 | 2.820 | ng | | 99 |
| 75) Fluoranthene | 19.339 | 202 | 402642 | 3.293 | ng | | 94 |
| 77) Benzidine | 19.522 | 184 | 155519 | 3.425 | ng | | 98 |
| 78) Pyrene | 19.692 | 202 | 421261 | 3.271 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.563 | 149 | 130713 | 2.422 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.404 | 228 | 414024 | 3.364 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.333 | 252 | 122233 | 3.270 | ng | # | 98 |
| 83) Chrysene | 21.457 | 228 | 406056 | 3.453 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.322 | 149 | 195154 | 2.514 | ng | # | 96 |
| 85) Di-n-octyl phthalate | 22.269 | 149 | 300903 | 2.259 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 26.439 | 276 | 411986 | 3.088 | ng | # | 88 |
| 88) Benzo(b)fluoranthene | 23.122 | 252 | 397246 | 3.469 | ng | # | 95 |
| 89) Benzo(k)fluoranthene | 23.169 | 252 | 385388 | 3.340 | ng | # | 96 |
| 90) Benzo(a)pyrene | 23.763 | 252 | 318825 | 3.370 | ng | # | 95 |
| 91) Dibenzo(a,h)anthracene | 26.457 | 278 | 367091 | 3.314 | ng | # | 93 |
| 92) Benzo(g,h,i)perylene | 27.227 | 276 | 357118 | 3.307 | ng | # | 90 |

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

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