Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081424\
Data File : BP021501.D
Acq On : 14 Aug 2024 15:46
Operator : RC/JU
Sample : P3390-08
Misc : LOQ-WATER-5ng
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 14 16:32:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 16:23:38 2024
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
LOQ-WATER-02-QT3-2024

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.799 | 152 | 320379 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.581 | 136 | 1308134 | 20.000 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.451 | 164 | 869607 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.257 | 188 | 1839215 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.698 | 240 | 1857319 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.121 | 264 | 2025367 | 20.000 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.387 | 112 | 2167792 | 100.471 | ng | | 0.00 |
| 7) Phenol-d6 | 6.952 | 99 | 3045740 | 96.767 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 8.946 | 82 | 2172783 | 85.731 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.963 | 330 | 925951 | 95.672 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.063 | 172 | 4338633 | 76.143 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.975 | 244 | 7025945 | 73.490 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.317 | 88 | 45802 | 4.477 | ng | | 96 |
| 3) Pyridine | 3.705 | 79 | 110637 | 3.874 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.611 | 42 | 36741 | 4.280 | ng | # | 95 |
| 6) Aniline | 7.116 | 93 | 155196 | 4.932 | ng | | 98 |
| 8) 2-Chlorophenol | 7.358 | 128 | 87881 | 4.407 | ng | | 93 |
| 9) Benzaldehyde | 6.934 | 77 | 113486 | 5.631 | ng | | 96 |
| 10) Phenol | 6.975 | 94 | 141527 | 4.342 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.216 | 93 | 118364 | 4.292 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.687 | 146 | 100134 | 4.228 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.834 | 146 | 102856 | 4.301 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.152 | 146 | 96718 | 4.197 | ng | | 98 |
| 15) Benzyl Alcohol | 8.022 | 79 | 97097 | 4.299 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.316 | 45 | 114557 | 4.511 | ng | | 100 |
| 17) 2-Methylphenol | 8.222 | 107 | 82660 | 4.012 | ng | | 97 |
| 18) Hexachloroethane | 8.881 | 117 | 40370 | 4.209 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.593 | 70 | 92976 | 4.276 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.546 | 107 | 112111 | 4.035 | ng | | 98 |
| 22) Acetophenone | 8.605 | 105 | 179099 | 4.457 | ng | | 99 |
| 24) Nitrobenzene | 8.981 | 77 | 134460 | 4.885 | ng | | 98 |
| 25) Isophorone | 9.510 | 82 | 258404 | 4.316 | ng | | 98 |
| 26) 2-Nitrophenol | 9.693 | 139 | 20775 | 5.230 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.752 | 122 | 64455m | 4.362 | ng | | |
| 28) bis(2-Chloroethoxy)met... | 9.993 | 93 | 157709 | 4.315 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.222 | 162 | 68545 | 3.926 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.452 | 180 | 94914 | 4.240 | ng | | 98 |
| 31) Naphthalene | 10.634 | 128 | 295196 | 4.320 | ng | | 99 |
| 32) Benzoic acid | 9.787 | 122 | 18170m | 2.030 | ng | | |
| 33) 4-Chloroaniline | 10.734 | 127 | 114326 | 4.454 | ng | | 95 |
| 34) Hexachlorobutadiene | 10.928 | 225 | 57936 | 4.111 | ng | | 96 |
| 35) Caprolactam | 11.469 | 113 | 27902 | 3.840 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 11.852 | 107 | 95073 | 3.926 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.251 | 142 | 196763 | 4.219 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.475 | 142 | 185261 | 4.027 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.616 | 216 | 113056 | 4.437 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.604 | 237 | 30327 | 3.755 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.857 | 196 | 50918 | 3.598 | ng | | 95 |

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**Instrument :**
BNA_P
**ClientSampleId :**
LOQ-WATER-02-QT3-2024

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.922 | 196 | 57047 | 3.628 | ng | | 95 |
| 46) 1,1'-Biphenyl | 13.269 | 154 | 273327 | 4.443 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.304 | 162 | 204222 | 4.264 | ng | | 100 |
| 48) 2-Nitroaniline | 13.498 | 65 | 39708 | 3.566 | ng | | 91 |
| 49) Acenaphthylene | 14.169 | 152 | 319950 | 4.544 | ng | | 100 |
| 50) Dimethylphthalate | 13.893 | 163 | 246572 | 4.234 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 13.998 | 165 | 33155 | 5.791 | ng | | 90 |
| 52) Acenaphthene | 14.516 | 154 | 194398 | 4.208 | ng | | 97 |
| 53) 3-Nitroaniline | 14.328 | 138 | 34636 | 6.018 | ng | # | 83 |
| 54) 2,4-Dinitrophenol | 14.545 | 184 | 9137 | 3.042 | ng | # | 72 |
| 55) Dibenzofuran | 14.863 | 168 | 317562 | 4.468 | ng | | 99 |
| 56) 4-Nitrophenol | 14.640 | 139 | 24134 | 2.848 | ng | # | 87 |
| 57) 2,4-Dinitrotoluene | 14.810 | 165 | 36299 | 6.088 | ng | | 98 |
| 58) Fluorene | 15.522 | 166 | 256567 | 4.394 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.081 | 232 | 47139 | 3.532 | ng | # | 93 |
| 60) Diethylphthalate | 15.287 | 149 | 251616 | 4.211 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.516 | 204 | 131647 | 4.362 | ng | | 98 |
| 62) 4-Nitroaniline | 15.516 | 138 | 35231 | 5.721 | ng | # | 78 |
| 63) Azobenzene | 15.816 | 77 | 325215 | 4.428 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.587 | 198 | 12140 | 2.429 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 15.728 | 169 | 213874 | 4.339 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.428 | 248 | 75460 | 3.877 | ng | | 98 |
| 68) Hexachlorobenzene | 16.551 | 284 | 97454 | 4.236 | ng | | 97 |
| 69) Atrazine | 16.692 | 200 | 71660 | 4.235 | ng | | 99 |
| 70) Pentachlorophenol | 16.898 | 266 | 36604 | 2.915 | ng | | 99 |
| 71) Phenanthrene | 17.298 | 178 | 405676 | 4.586 | ng | | 98 |
| 72) Anthracene | 17.387 | 178 | 371490 | 4.282 | ng | | 99 |
| 73) Carbazole | 17.669 | 167 | 352647 | 4.218 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.275 | 149 | 382068 | 3.721 | ng | | 98 |
| 75) Fluoranthene | 19.375 | 202 | 444433 | 4.095 | ng | | 98 |
| 77) Benzidine | 19.563 | 184 | 143954 | 3.695 | ng | | 100 |
| 78) Pyrene | 19.751 | 202 | 479558 | 3.950 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.698 | 149 | 116533 | 5.027 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.680 | 228 | 497203 | 4.264 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.592 | 252 | 146096 | 3.908 | ng | | 99 |
| 83) Chrysene | 21.745 | 228 | 469763 | 4.267 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.639 | 149 | 225411 | 5.110 | ng | | 97 |
| 85) Di-n-octyl phthalate | 22.951 | 149 | 291642 | 7.003 | ng | # | 95 |
| 87) Indeno(1,2,3-cd)pyrene | 28.962 | 276 | 516037m | 3.931 | ng | | |
| 88) Benzo(b)fluoranthene | 24.021 | 252 | 455619 | 3.917 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.098 | 252 | 466418 | 4.110 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.933 | 252 | 413008 | 4.091 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 29.056 | 278 | 436027 | 3.997 | ng | | 95 |
| 92) Benzo(g,h,i)perylene | 30.162 | 276 | 422686 | 3.866 | ng | | 99 |

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

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