Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061024\
Data File : BP020578.D
Acq On : 10 Jun 2024 15:28
Operator : MA/JU
Sample : P2740-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
WCS-TPAMSD

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 06/11/2024
Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 10 16:01:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 30 03:41:03 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.757 | 152 | 248043 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.528 | 136 | 977206 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.381 | 164 | 624106 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.198 | 188 | 1368550 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.663 | 240 | 1278182 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.027 | 264 | 1427269 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.381 | 112 | 1805052 | 130.294 | ng | | 0.00 |
| 7) Phenol-d6 | 6.946 | 99 | 2245882 | 114.954 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 8.904 | 82 | 1516777 | 84.965 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 15.904 | 330 | 1105143 | 170.625 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.992 | 172 | 3518231 | 84.036 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.933 | 244 | 5903129 | 76.883 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.334 | 88 | 215423 | 38.484 | ng | # | 53 |
| 3) Pyridine | 3.734 | 79 | 521141 | 33.112 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.634 | 42 | 307792 | 40.263 | ng | | 95 |
| 6) Aniline | 7.099 | 93 | 261997 | 13.234 | ng | | 99 |
| 8) 2-Chlorophenol | 7.334 | 128 | 727367 | 46.837 | ng | | 98 |
| 9) Benzaldehyde | 6.922 | 77 | 32237m | 2.572 | ng | | |
| 10) Phenol | 6.969 | 94 | 835980 | 41.773 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.193 | 93 | 679887 | 41.195 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.646 | 146 | 783806 | 42.837 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.793 | 146 | 789583 | 42.458 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.104 | 146 | 768066 | 42.795 | ng | | 99 |
| 15) Benzyl Alcohol | 8.004 | 79 | 613895 | 42.539 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.263 | 45 | 954160 | 38.724 | ng | | 97 |
| 17) 2-Methylphenol | 8.193 | 107 | 597876 | 44.025 | ng | | 99 |
| 18) Hexachloroethane | 8.822 | 117 | 291499 | 42.927 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.557 | 70 | 528683 | 39.639 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.516 | 107 | 816099 | 44.182 | ng | | 97 |
| 22) Acetophenone | 8.575 | 105 | 1067794 | 44.021 | ng | # | 98 |
| 24) Nitrobenzene | 8.946 | 77 | 780652 | 43.088 | ng | | 99 |
| 25) Isophorone | 9.475 | 82 | 1491162 | 42.992 | ng | | 99 |
| 26) 2-Nitrophenol | 9.640 | 139 | 383761 | 53.108 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.704 | 122 | 517032 | 49.342 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 9.946 | 93 | 890715 | 41.781 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.181 | 162 | 703503 | 50.043 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.381 | 180 | 745582 | 44.675 | ng | | 98 |
| 31) Naphthalene | 10.575 | 128 | 2153377 | 43.105 | ng | | 100 |
| 32) Benzoic acid | 9.857 | 122 | 423501 | 43.320 | ng | | 99 |
| 33) 4-Chloroaniline | 10.687 | 127 | 71471 | 3.698 | ng | | 97 |
| 34) Hexachlorobutadiene | 10.851 | 225 | 462255 | 43.970 | ng | | 98 |
| 35) Caprolactam | 11.498 | 113 | 226660m | 43.997 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.810 | 107 | 780333 | 47.409 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.181 | 142 | 1530317 | 42.750 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.404 | 142 | 1424359 | 40.140 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.545 | 216 | 868159 | 48.078 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.522 | 237 | 978991 | 154.263 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.798 | 196 | 589144 | 53.975 | ng | | 97 |

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Misc :
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**Instrument :**
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Reviewed By :Jagrut Upadhyay 06/11/2024
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.875 | 196 | 640331 | 50.850 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.198 | 154 | 2002795 | 45.471 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.239 | 162 | 1570863 | 44.863 | ng | 98 |
| 48) 2-Nitroaniline | 13.451 | 65 | 483958 | 51.008 | ng | 100 |
| 49) Acenaphthylene | 14.110 | 152 | 2605466 | 50.148 | ng | 100 |
| 50) Dimethylphthalate | 13.845 | 163 | 2055882 | 46.732 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 13.957 | 165 | 454847 | 48.371 | ng | 94 |
| 52) Acenaphthene | 14.451 | 154 | 1481905 | 45.217 | ng | 99 |
| 53) 3-Nitroaniline | 14.286 | 138 | 105650 | 11.201 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.510 | 184 | 493255 | 105.052 | ng | 96 |
| 55) Dibenzofuran | 14.786 | 168 | 2461900 | 47.420 | ng | 98 |
| 56) 4-Nitrophenol | 14.616 | 139 | 788210 | 108.030 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 14.757 | 165 | 656633 | 53.136 | ng | 93 |
| 58) Fluorene | 15.451 | 166 | 1915294 | 45.955 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.016 | 232 | 581281 | 56.406 | ng | 96 |
| 60) Diethylphthalate | 15.239 | 149 | 2053109 | 45.910 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.445 | 204 | 985654 | 45.829 | ng | 98 |
| 62) 4-Nitroaniline | 15.475 | 138 | 410398 | 42.239 | ng | 99 |
| 63) Azobenzene | 15.745 | 77 | 1849790 | 44.298 | ng | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.533 | 198 | 360916 | 57.653 | ng | 96 |
| 66) n-Nitrosodiphenylamine | 15.675 | 169 | 1452343 | 38.599 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.369 | 248 | 664798 | 47.482 | ng | 98 |
| 68) Hexachlorobenzene | 16.469 | 284 | 755475 | 45.847 | ng | 99 |
| 69) Atrazine | 16.657 | 200 | 277717 | 20.980 | ng | 98 |
| 70) Pentachlorophenol | 16.833 | 266 | 1035304 | 103.449 | ng | 99 |
| 71) Phenanthrene | 17.239 | 178 | 3189529 | 47.411 | ng | 100 |
| 72) Anthracene | 17.328 | 178 | 3205831 | 48.563 | ng | 99 |
| 73) Carbazole | 17.616 | 167 | 2393776 | 37.488 | ng | 99 |
| 74) Di-n-butylphthalate | 18.216 | 149 | 3707994 | 47.952 | ng | 99 |
| 75) Fluoranthene | 19.333 | 202 | 3874378 | 48.680 | ng | 99 |
| 77) Benzidine | 19.545 | 184 | 188129m | 9.596 | ng | |
| 78) Pyrene | 19.710 | 202 | 3963885 | 41.229 | ng | 100 |
| 80) Butylbenzylphthalate | 20.674 | 149 | 1696479 | 44.028 | ng | 90 |
| 81) Benzo(a)anthracene | 21.639 | 228 | 3984165 | 47.340 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.563 | 252 | 245923 | 9.830 | ng | 98 |
| 83) Chrysene | 21.710 | 228 | 3771269 | 47.555 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.586 | 149 | 2470466 | 45.150 | ng | 98 |
| 85) Di-n-octyl phthalate | 22.886 | 149 | 4353891 | 54.746 | ng | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 28.868 | 276 | 4927770m | 56.777 | ng | |
| 88) Benzo(b)fluoranthene | 23.962 | 252 | 4075667 | 45.837 | ng | 99 |
| 89) Benzo(k)fluoranthene | 24.039 | 252 | 4113978 | 47.438 | ng | 99 |
| 90) Benzo(a)pyrene | 24.868 | 252 | 3778091 | 51.306 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.962 | 278 | 4074342 | 56.282 | ng | 97 |
| 92) Benzo(g,h,i)perylene | 30.039 | 276 | 3771574 | 52.123 | ng | 97 |

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

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