Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021624\
Data File : BP019742.D
Acq On : 16 Feb 2024 13:24
Operator : MA/JU
Sample : PB158970BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 16 13:51:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 01 00:51:48 2024
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
PB158970BSD

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 02/19/2024
Supervised By :mohammad ahmed 02/19/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.904 | 152 | 71684 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.704 | 136 | 248822 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.539 | 164 | 151608 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.298 | 188 | 329252 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.392 | 240 | 302153 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.815 | 264 | 359995 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.481 | 112 | 536038 | 120.536 | ng | | 0.00 |
| 7) Phenol-d6 | 7.081 | 99 | 660830 | 110.206 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.075 | 82 | 455756 | 79.368 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.033 | 330 | 325519 | 147.055 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.169 | 172 | 995630 | 81.185 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.862 | 244 | 1617615 | 88.043 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.381 | 88 | 56814 | 33.159 | ng | | 98 |
| 3) Pyridine | 3.781 | 79 | 148478 | 31.964 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.699 | 42 | 80946 | 40.025 | ng | | 98 |
| 6) Aniline | 7.234 | 93 | 137996 | 23.684 | ng | | 99 |
| 8) 2-Chlorophenol | 7.469 | 128 | 189717 | 41.552 | ng | | 96 |
| 9) Benzaldehyde | 7.051 | 77 | 10841m | 2.579 | ng | | |
| 10) Phenol | 7.104 | 94 | 236011 | 39.490 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.340 | 93 | 181058 | 38.940 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.787 | 146 | 230024 | 41.173 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.940 | 146 | 232771 | 41.125 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.251 | 146 | 218265 | 39.855 | ng | | 99 |
| 15) Benzyl Alcohol | 8.151 | 79 | 187277m | 39.088 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.428 | 45 | 176923 | 38.052 | ng | | 98 |
| 17) 2-Methylphenol | 8.351 | 107 | 157945 | 39.255 | ng | | 99 |
| 18) Hexachloroethane | 8.969 | 117 | 87226 | 39.758 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.722 | 70 | 147266 | 35.956 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.687 | 107 | 204750 | 37.287 | ng | | 96 |
| 22) Acetophenone | 8.734 | 105 | 293254 | 41.370 | ng | # | 98 |
| 24) Nitrobenzene | 9.116 | 77 | 229671 | 39.724 | ng | | 98 |
| 25) Isophorone | 9.645 | 82 | 392774 | 39.275 | ng | | 99 |
| 26) 2-Nitrophenol | 9.822 | 139 | 101994 | 46.266 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.886 | 122 | 133114 | 47.222 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.128 | 93 | 222699 | 39.359 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.357 | 162 | 183034 | 42.954 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.569 | 180 | 224398 | 42.949 | ng | | 100 |
| 31) Naphthalene | 10.757 | 128 | 563386 | 41.283 | ng | | 100 |
| 32) Benzoic acid | 10.034 | 122 | 118522 | 43.155 | ng | | 96 |
| 33) 4-Chloroaniline | 10.881 | 127 | 49913 | 9.890 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.022 | 225 | 168402 | 43.496 | ng | | 98 |
| 35) Caprolactam | 11.681 | 113 | 52107 | 43.195 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 12.004 | 107 | 190558 | 41.013 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.363 | 142 | 383053 | 40.559 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.586 | 142 | 360457 | 38.838 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.727 | 216 | 269885 | 46.158 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.692 | 237 | 348299 | 131.863 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.975 | 196 | 160448 | 45.318 | ng | | 96 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.051 | 196 | 171255 | 44.050 | ng | 95 |
| 46) 1,1'-Biphenyl | 13.375 | 154 | 504770 | 41.715 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.416 | 162 | 406289 | 40.903 | ng | 100 |
| 48) 2-Nitroaniline | 13.633 | 65 | 119845 | 43.149 | ng | 97 |
| 49) Acenaphthylene | 14.263 | 152 | 636876 | 45.701 | ng | 100 |
| 50) Dimethylphthalate | 14.010 | 163 | 489112 | 42.143 | ng | 98 |
| 51) 2,6-Dinitrotoluene | 14.133 | 165 | 109663 | 43.006 | ng | 94 |
| 52) Acenaphthene | 14.604 | 154 | 353686 | 40.893 | ng | 100 |
| 53) 3-Nitroaniline | 14.463 | 138 | 69338 | 29.589 | ng | 97 |
| 54) 2,4-Dinitrophenol | 14.674 | 184 | 142036 | 107.282 | ng | 96 |
| 55) Dibenzofuran | 14.939 | 168 | 606472 | 43.052 | ng | 99 |
| 56) 4-Nitrophenol | 14.774 | 139 | 172800 | 89.966 | ng | 96 |
| 57) 2,4-Dinitrotoluene | 14.922 | 165 | 153544 | 45.950 | ng | 98 |
| 58) Fluorene | 15.592 | 166 | 484274 | 43.162 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.169 | 232 | 158950 | 48.607 | ng | 96 |
| 60) Diethylphthalate | 15.374 | 149 | 478001 | 41.407 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.586 | 204 | 269511 | 42.738 | ng | 96 |
| 62) 4-Nitroaniline | 15.627 | 138 | 103586 | 42.171 | ng | 98 |
| 63) Azobenzene | 15.886 | 77 | 440587 | 39.468 | ng | 96 |
| 65) 4,6-Dinitro-2-methylph... | 15.686 | 198 | 95386 | 50.807 | ng | 92 |
| 66) n-Nitrosodiphenylamine | 15.810 | 169 | 416423 | 42.230 | ng | 98 |
| 67) 4-Bromophenyl-phenylether | 16.486 | 248 | 178957 | 43.478 | ng | 97 |
| 68) Hexachlorobenzene | 16.586 | 284 | 209786 | 43.645 | ng | 97 |
| 69) Atrazine | 16.774 | 200 | 157300 | 48.073 | ng | 97 |
| 70) Pentachlorophenol | 16.945 | 266 | 283415 | 94.683 | ng | 99 |
| 71) Phenanthrene | 17.339 | 178 | 755957 | 43.628 | ng | 99 |
| 72) Anthracene | 17.433 | 178 | 770500 | 44.576 | ng | 100 |
| 73) Carbazole | 17.710 | 167 | 679607 | 43.280 | ng | 99 |
| 74) Di-n-butylphthalate | 18.262 | 149 | 777463 | 40.948 | ng | 100 |
| 75) Fluoranthene | 19.310 | 202 | 929972 | 43.934 | ng | 98 |
| 77) Benzidine | 19.498 | 184 | 273880 | 43.356 | ng | 99 |
| 78) Pyrene | 19.662 | 202 | 946589 | 44.389 | ng | 99 |
| 80) Butylbenzylphthalate | 20.545 | 149 | 338600 | 42.519 | ng | 99 |
| 81) Benzo(a)anthracene | 21.374 | 228 | 932254 | 43.831 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.309 | 252 | 289380 | 37.337 | ng | 99 |
| 83) Chrysene | 21.427 | 228 | 869562 | 43.062 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.309 | 149 | 449806 | 37.093 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.256 | 149 | 764058 | 35.811 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 26.362 | 276 | 1320653 | 47.926 | ng | 97 |
| 88) Benzo(b)fluoranthene | 23.074 | 252 | 954574 | 42.072 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.127 | 252 | 955573 | 44.090 | ng | 99 |
| 90) Benzo(a)pyrene | 23.709 | 252 | 909813 | 45.067 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 26.380 | 278 | 1087080 | 47.965 | ng | 96 |
| 92) Benzo(g,h,i)perylene | 27.133 | 276 | 1055457 | 45.904 | ng | 97 |

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

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