Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042423\
Data File : BG057160.D
Acq On : 24 Apr 2023 20:52
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
ICVBG042423

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 04/25/2023
Supervised By :Jagrut Upadhyay 04/25/2023

Quant Time: Apr 25 05:00:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 25 04:59:02 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.390 | 152 | 22706 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.227 | 136 | 93397 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 15.005 | 164 | 68861 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.742 | 188 | 164869 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 22.060 | 240 | 142781 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.579 | 264 | 149966 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.899 | 112 | 112555 | 89.831 | ng | | 0.00 |
| 7) Phenol-d6 | 7.521 | 99 | 169123 | 93.290 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.565 | 82 | 176722 | 93.542 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.485 | 330 | 71255 | 78.426 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.630 | 172 | 412291 | 80.464 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.309 | 244 | 691584 | 84.721 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.702 | 88 | 26204 | 46.671 | ng | | 97 |
| 3) Pyridine | 4.125 | 79 | 82574 | 48.472 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 4.037 | 42 | 34262 | 55.755 | ng | | 92 |
| 6) Aniline | 7.697 | 93 | 109538 | 46.268 | ng | | 96 |
| 8) 2-Chlorophenol | 7.944 | 128 | 58267 | 44.391 | ng | | 94 |
| 9) Benzaldehyde | 7.509 | 77 | 49000 | 45.126 | ng | | 95 |
| 10) Phenol | 7.550 | 94 | 84224 | 46.789 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.785 | 93 | 65284 | 46.216 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 8.278 | 146 | 64233 | 41.310 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.425 | 146 | 65343 | 41.698 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.748 | 146 | 63260 | 41.811 | ng | | 98 |
| 15) Benzyl Alcohol | 8.619 | 79 | 67126 | 50.250 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.907 | 45 | 86387m | 46.625 | ng | | |
| 17) 2-Methylphenol | 8.819 | 107 | 60289 | 45.769 | ng | | 94 |
| 18) Hexachloroethane | 9.489 | 117 | 23097 | 43.447 | ng | | 92 |
| 19) n-Nitroso-di-n-propyla... | 9.189 | 70 | 61908 | 54.903 | ng | | 94 |
| 20) 3+4-Methylphenols | 9.148 | 107 | 82948 | 46.013 | ng | | 98 |
| 22) Acetophenone | 9.218 | 105 | 110961 | 43.795 | ng | # | 92 |
| 24) Nitrobenzene | 9.606 | 77 | 90482 | 47.702 | ng | | 98 |
| 25) Isophorone | 10.129 | 82 | 171931 | 47.446 | ng | | 97 |
| 26) 2-Nitrophenol | 10.329 | 139 | 32371 | 45.680 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 10.364 | 122 | 59961 | 44.024 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 10.599 | 93 | 88044 | 46.349 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.863 | 162 | 63730 | 42.003 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 11.081 | 180 | 72385 | 39.014 | ng | | 96 |
| 31) Naphthalene | 11.280 | 128 | 207009 | 41.730 | ng | | 99 |
| 32) Benzoic acid | 10.505 | 122 | 28195 | 44.622 | ng | | 92 |
| 33) 4-Chloroaniline | 11.374 | 127 | 92240 | 42.291 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.551 | 225 | 50462 | 36.885 | ng | | 96 |
| 35) Caprolactam | 12.150 | 113 | 19993 | 47.588 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 12.467 | 107 | 73417 | 44.980 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.855 | 142 | 158976 | 40.724 | ng | | 94 |
| 38) 1-Methylnaphthalene | 13.072 | 142 | 148680 | 41.253 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 13.213 | 216 | 99821 | 39.616 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 13.189 | 237 | 40647 | 40.211 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 13.448 | 196 | 59209 | 43.405 | ng | | 97 |

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Data File : BG057160.D
Acq On : 24 Apr 2023 20:52
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
ICVBG042423

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Quant Time: Apr 25 05:00:07 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.518 | 196 | 67941 | 41.255 | ng | | 93 |
| 46) 1,1'-Biphenyl | 13.836 | 154 | 216073 | 42.097 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.889 | 162 | 157979 | 40.780 | ng | | 99 |
| 48) 2-Nitroaniline | 14.082 | 65 | 45764 | 47.345 | ng | | 95 |
| 49) Acenaphthylene | 14.729 | 152 | 255261 | 41.508 | ng | | 99 |
| 50) Dimethylphthalate | 14.441 | 163 | 210543 | 43.565 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.564 | 165 | 46322 | 45.919 | ng | | 98 |
| 52) Acenaphthene | 15.069 | 154 | 171124m | 42.590 | ng | | |
| 53) 3-Nitroaniline | 14.899 | 138 | 45364 | 45.286 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 15.105 | 184 | 22019 | 41.860 | ng | | 98 |
| 55) Dibenzofuran | 15.398 | 168 | 262549 | 40.329 | ng | | 98 |
| 56) 4-Nitrophenol | 15.193 | 139 | 31741 | 45.017 | ng | | 83 |
| 57) 2,4-Dinitrotoluene | 15.351 | 165 | 62155 | 45.243 | ng | | 96 |
| 58) Fluorene | 16.044 | 166 | 211696 | 40.389 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.616 | 232 | 59508 | 42.185 | ng | | 97 |
| 60) Diethylphthalate | 15.786 | 149 | 207579 | 44.559 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 16.021 | 204 | 124144 | 39.462 | ng | | 97 |
| 62) 4-Nitroaniline | 16.056 | 138 | 46811 | 46.408 | ng | | 95 |
| 63) Azobenzene | 16.315 | 77 | 232409 | 46.898 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 16.115 | 198 | 36017 | 42.691 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 16.232 | 169 | 183357 | 42.622 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.914 | 248 | 77445 | 39.061 | ng | | 95 |
| 68) Hexachlorobenzene | 17.049 | 284 | 76725 | 37.728 | ng | | 98 |
| 69) Atrazine | 17.166 | 200 | 62777 | 45.689 | ng | | 98 |
| 70) Pentachlorophenol | 17.390 | 266 | 41768 | 43.704 | ng | | 98 |
| 71) Phenanthrene | 17.783 | 178 | 345514 | 41.051 | ng | | 99 |
| 72) Anthracene | 17.877 | 178 | 354742 | 41.684 | ng | | 99 |
| 73) Carbazole | 18.142 | 167 | 301981 | 42.037 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.659 | 149 | 305866 | 45.773 | ng | | 98 |
| 75) Fluoranthene | 19.775 | 202 | 424475 | 40.594 | ng | | 99 |
| 77) Benzidine | 19.939 | 184 | 98129 | 45.609 | ng | | 98 |
| 78) Pyrene | 20.133 | 202 | 428858 | 44.239 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.991 | 149 | 114956 | 45.692 | ng | | 96 |
| 81) Benzo(a)anthracene | 22.036 | 228 | 412479 | 42.017 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.936 | 252 | 116913 | 45.502 | ng | | 100 |
| 83) Chrysene | 22.107 | 228 | 395050 | 41.729 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.884 | 149 | 173150 | 43.631 | ng | | 96 |
| 85) Di-n-octyl phthalate | 23.194 | 149 | 295794 | 46.191 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 29.650 | 276 | 442145 | 41.159 | ng | # | 93 |
| 88) Benzo(b)fluoranthene | 24.451 | 252 | 390280 | 41.516 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.527 | 252 | 407800 | 41.938 | ng | | 98 |
| 90) Benzo(a)pyrene | 25.414 | 252 | 384315 | 41.507 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.714 | 278 | 367602 | 41.213 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 30.930 | 276 | 358976 | 40.676 | ng | | 97 |

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

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