Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083122\
Data File : BG054805.D
Acq On : 31 Aug 2022 13:55
Operator : CG/JU
Sample : N4423-04MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 01 05:00:57 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 25 17:50:55 2022
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
WC-2MS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.152 | 152 | 36288 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.978 | 136 | 152690 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.785 | 164 | 109657 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.529 | 188 | 270494 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.824 | 240 | 257080 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.196 | 264 | 275459 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.690 | 112 | 248230 | 119.119 | ng | | 0.00 |
| 7) Phenol-d6 | 7.300 | 99 | 353187 | 123.930 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.321 | 82 | 203048 | 69.810 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.272 | 330 | 192318 | 140.354 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.410 | 172 | 521751 | 71.514 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.132 | 244 | 1023305 | 78.869 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.528 | 88 | 39091 | 39.284 | ng | | 98 |
| 3) Pyridine | 3.933 | 79 | 104223 | 37.551 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.851 | 42 | 53019 | 44.190 | ng | | 95 |
| 6) Aniline | 7.464 | 93 | 158024 | 46.669 | ng | | 96 |
| 8) 2-Chlorophenol | 7.711 | 128 | 120383 | 52.875 | ng | | 97 |
| 9) Benzaldehyde | 7.282 | 77 | 67898 | 36.351 | ng | | 97 |
| 10) Phenol | 7.329 | 94 | 154053 | 52.563 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.558 | 93 | 108480 | 46.022 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 8.034 | 146 | 125366 | 47.581 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.187 | 146 | 126924 | 47.758 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.504 | 146 | 123551 | 49.028 | ng | | 99 |
| 15) Benzyl Alcohol | 8.387 | 79 | 107360m | 52.145 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.675 | 45 | 166054 | 45.022 | ng | | 98 |
| 17) 2-Methylphenol | 8.586 | 107 | 105763 | 52.413 | ng | | 97 |
| 18) Hexachloroethane | 9.239 | 117 | 44683 | 46.366 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.957 | 70 | 91137 | 46.504 | ng | # | 94 |
| 20) 3+4-Methylphenols | 8.915 | 107 | 145710 | 52.073 | ng | | 98 |
| 22) Acetophenone | 8.980 | 105 | 175799 | 46.021 | ng | # | 97 |
| 24) Nitrobenzene | 9.368 | 77 | 129509 | 44.176 | ng | | 97 |
| 25) Isophorone | 9.885 | 82 | 259500 | 47.849 | ng | | 99 |
| 26) 2-Nitrophenol | 10.079 | 139 | 66311 | 51.206 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.132 | 122 | 114973 | 56.035 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.367 | 93 | 152641 | 49.393 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.619 | 162 | 121888 | 52.228 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.831 | 180 | 119870 | 44.946 | ng | | 99 |
| 31) Naphthalene | 11.025 | 128 | 365853 | 44.659 | ng | | 99 |
| 32) Benzoic acid | 10.273 | 122 | 62007m | 43.252 | ng | | |
| 33) 4-Chloroaniline | 11.131 | 127 | 131702 | 39.434 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.301 | 225 | 76675 | 44.872 | ng | | 98 |
| 35) Caprolactam | 11.906 | 113 | 47107m | 57.214 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.241 | 107 | 137012 | 53.687 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.623 | 142 | 268236 | 46.717 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.840 | 142 | 256285 | 45.877 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.981 | 216 | 149167 | 45.126 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.958 | 237 | 163956 | 93.527 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.222 | 196 | 107228 | 48.872 | ng | | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.293 | 196 | 118927 | 48.266 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.622 | 154 | 371744 | 45.651 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.669 | 162 | 274874 | 44.446 | ng | 99 |
| 48) 2-Nitroaniline | 13.868 | 65 | 93981 | 48.490 | ng | 93 |
| 49) Acenaphthylene | 14.509 | 152 | 472961 | 46.344 | ng | 100 |
| 50) Dimethylphthalate | 14.233 | 163 | 399158 | 47.248 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 14.356 | 165 | 86498 | 50.058 | ng | 89 |
| 52) Acenaphthene | 14.850 | 154 | 332649m | 50.744 | ng | |
| 53) 3-Nitroaniline | 14.691 | 138 | 80624 | 41.680 | ng | 95 |
| 54) 2,4-Dinitrophenol | 14.891 | 184 | 96644 | 97.503 | ng | 95 |
| 55) Dibenzofuran | 15.185 | 168 | 447255 | 46.431 | ng | 100 |
| 56) 4-Nitrophenol | 14.991 | 139 | 159010 | 106.224 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 15.143 | 165 | 125795 | 52.632 | ng | 84 |
| 58) Fluorene | 15.831 | 166 | 381815 | 47.051 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.402 | 232 | 109134 | 49.134 | ng | 99 |
| 60) Diethylphthalate | 15.590 | 149 | 402309 | 47.690 | ng | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.813 | 204 | 196037 | 48.970 | ng | 100 |
| 62) 4-Nitroaniline | 15.854 | 138 | 98167 | 49.706 | ng | 96 |
| 63) Azobenzene | 16.113 | 77 | 357960 | 44.649 | ng | 96 |
| 65) 4,6-Dinitro-2-methylph... | 15.901 | 198 | 68058 | 49.429 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 16.031 | 169 | 349738 | 44.835 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.712 | 248 | 139532 | 46.984 | ng | 98 |
| 68) Hexachlorobenzene | 16.830 | 284 | 156437 | 46.858 | ng | 97 |
| 69) Atrazine | 16.971 | 200 | 142282 | 51.702 | ng | 99 |
| 70) Pentachlorophenol | 17.176 | 266 | 174012 | 95.930 | ng | 99 |
| 71) Phenanthrene | 17.576 | 178 | 647320 | 44.923 | ng | 99 |
| 72) Anthracene | 17.664 | 178 | 656955 | 46.894 | ng | 99 |
| 73) Carbazole | 17.934 | 167 | 613298 | 47.515 | ng | 99 |
| 74) Di-n-butylphthalate | 18.475 | 149 | 748623 | 45.835 | ng | 99 |
| 75) Fluoranthene | 19.579 | 202 | 801685 | 45.735 | ng | 99 |
| 77) Benzidine | 19.756 | 184 | 437515 | 68.710 | ng | 99 |
| 78) Pyrene | 19.944 | 202 | 805654 | 44.943 | ng | 99 |
| 80) Butylbenzylphthalate | 20.813 | 149 | 330742 | 44.233 | ng | 95 |
| 81) Benzo(a)anthracene | 21.806 | 228 | 782752 | 44.906 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.718 | 252 | 247297 | 40.465 | ng | 97 |
| 83) Chrysene | 21.877 | 228 | 731325 | 43.881 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.689 | 149 | 477838 | 44.356 | ng | 98 |
| 85) Di-n-octyl phthalate | 22.952 | 149 | 802376 | 43.920 | ng | 95 |
| 87) Indeno(1,2,3-cd)pyrene | 29.086 | 276 | 932866 | 44.609 | ng | 99 |
| 88) Benzo(b)fluoranthene | 24.121 | 252 | 817774 | 47.325 | ng | 99 |
| 89) Benzo(k)fluoranthene | 24.192 | 252 | 799274 | 45.961 | ng | 99 |
| 90) Benzo(a)pyrene | 25.038 | 252 | 725430 | 49.138 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 29.151 | 278 | 805040 | 47.253 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 30.302 | 276 | 804306 | 46.731 | ng | 98 |

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

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