Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060623\
Data File : BG057658.D
Acq On : 7 Jun 2023 5:57
Operator : CG/JU
Sample : PB153132BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 07 06:32:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 01 03:51:58 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
PB153132BS

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel
06/09/2023
Supervised By :mohammad ahmed
06/13/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.336 | 152 | 23240 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.174 | 136 | 104564 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 14.957 | 164 | 79985 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.694 | 188 | 201022 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 22.000 | 240 | 179515 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 25.490 | 264 | 194054 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.857 | 112 | 237421 | 177.484 | ng | | 0.00 |
| 7) Phenol-d6 | 7.491 | 99 | 340849 | 162.814 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.517 | 82 | 210817 | 94.247 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.443 | 330 | 164512 | 128.467 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.576 | 172 | 528837 | 95.018 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.261 | 244 | 1015615 | 98.001 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.643 | 88 | 20864 | 37.644 | ng | | 91 |
| 3) Pyridine | 4.066 | 79 | 61416 | 36.246 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.978 | 42 | 30276 | 44.161 | ng | # | 78 |
| 6) Aniline | 7.649 | 93 | 102613 | 40.517 | ng | | 98 |
| 8) 2-Chlorophenol | 7.902 | 128 | 84061 | 58.533 | ng | | 94 |
| 9) Benzaldehyde | 7.461 | 77 | 45920 | 33.107 | ng | | 96 |
| 10) Phenol | 7.514 | 94 | 114061 | 57.565 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.737 | 93 | 77760 | 52.557 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 8.225 | 146 | 83667 | 54.684 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.372 | 146 | 85436 | 54.888 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.701 | 146 | 83119 | 54.746 | ng | | 97 |
| 15) Benzyl Alcohol | 8.577 | 79 | 83168 | 51.644 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.853 | 45 | 101762 | 55.391 | ng | | 95 |
| 17) 2-Methylphenol | 8.783 | 107 | 78662 | 54.060 | ng | | 97 |
| 18) Hexachloroethane | 9.429 | 117 | 31087 | 58.326 | ng | | 87 |
| 19) n-Nitroso-di-n-propyla... | 9.141 | 70 | 71575 | 49.212 | ng | | 96 |
| 20) 3+4-Methylphenols | 9.112 | 107 | 107807 | 52.778 | ng | | 99 |
| 22) Acetophenone | 9.171 | 105 | 131667 | 47.091 | ng | # | 95 |
| 24) Nitrobenzene | 9.564 | 77 | 102923 | 45.329 | ng | | 93 |
| 25) Isophorone | 10.081 | 82 | 195196 | 44.397 | ng | | 96 |
| 26) 2-Nitrophenol | 10.281 | 139 | 47450 | 48.740 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 10.322 | 122 | 87391 | 51.921 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.551 | 93 | 113166 | 49.638 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.827 | 162 | 91111 | 51.539 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 11.033 | 180 | 93182 | 48.365 | ng | | 98 |
| 31) Naphthalene | 11.227 | 128 | 260005 | 47.006 | ng | | 98 |
| 32) Benzoic acid | 10.492 | 122 | 34994 | 37.366 | ng | | 90 |
| 33) 4-Chloroaniline | 11.332 | 127 | 73357 | 28.839 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.491 | 225 | 62502 | 46.902 | ng | | 97 |
| 35) Caprolactam | 12.108 | 113 | 32062m | 43.750 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.437 | 107 | 102016 | 48.753 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.801 | 142 | 195010 | 44.920 | ng | | 97 |
| 38) 1-Methylnaphthalene | 13.024 | 142 | 181424 | 43.792 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 13.171 | 216 | 124302 | 47.347 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 13.136 | 237 | 65561 | 90.745 | ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 13.406 | 196 | 79063 | 47.835 | ng | | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.494 | 196 | 85511 | 43.439 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.794 | 154 | 276746 | 48.411 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.847 | 162 | 208909 | 48.517 | ng | | 96 |
| 48) 2-Nitroaniline | 14.046 | 65 | 68703 | 45.550 | ng | | 99 |
| 49) Acenaphthylene | 14.681 | 152 | 338256 | 46.391 | ng | | 99 |
| 50) Dimethylphthalate | 14.393 | 163 | 287947 | 43.680 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.528 | 165 | 65563 | 46.460 | ng | | 96 |
| 52) Acenaphthene | 15.022 | 154 | 207751 | 46.564 | ng | | 95 |
| 53) 3-Nitroaniline | 14.863 | 138 | 47715 | 32.418 | ng | # | 91 |
| 54) 2,4-Dinitrophenol | 15.086 | 184 | 62528 | 74.092 | ng | | 96 |
| 55) Dibenzofuran | 15.350 | 168 | 346147 | 45.405 | ng | | 98 |
| 56) 4-Nitrophenol | 15.180 | 139 | 80492 | 82.078 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 15.321 | 165 | 94977 | 44.951 | ng | | 99 |
| 58) Fluorene | 15.997 | 166 | 288799 | 44.867 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.580 | 232 | 80243 | 43.511 | ng | # | 97 |
| 60) Diethylphthalate | 15.738 | 149 | 300722 | 43.705 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.973 | 204 | 160042 | 44.614 | ng | | 99 |
| 62) 4-Nitroaniline | 16.026 | 138 | 67007 | 42.203 | ng | | 92 |
| 63) Azobenzene | 16.267 | 77 | 280387 | 45.821 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 16.091 | 198 | 57103 | 46.653 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 16.191 | 169 | 258586 | 49.492 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.866 | 248 | 108356 | 48.053 | ng | | 99 |
| 68) Hexachlorobenzene | 17.001 | 284 | 116264 | 50.019 | ng | | 98 |
| 69) Atrazine | 17.125 | 200 | 113497 | 50.596 | ng | | 99 |
| 70) Pentachlorophenol | 17.354 | 266 | 83909 | 70.848 | ng | | 99 |
| 71) Phenanthrene | 17.741 | 178 | 484994 | 47.146 | ng | | 99 |
| 72) Anthracene | 17.829 | 178 | 491839 | 46.606 | ng | | 99 |
| 73) Carbazole | 18.100 | 167 | 448751 | 47.534 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.611 | 149 | 522653 | 46.635 | ng | | 99 |
| 75) Fluoranthene | 19.727 | 202 | 598602 | 44.823 | ng | | 98 |
| 77) Benzidine | 19.891 | 184 | 275471 | 50.711 | ng | | 99 |
| 78) Pyrene | 20.091 | 202 | 601441 | 47.054 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.937 | 149 | 232164 | 49.873 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.983 | 228 | 595322 | 47.801 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.877 | 252 | 166480 | 36.249 | ng | | 98 |
| 83) Chrysene | 22.053 | 228 | 541200 | 45.984 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.818 | 149 | 332264 | 50.038 | ng | | 99 |
| 85) Di-n-octyl phthalate | 23.105 | 149 | 562811 | 51.135 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 29.543 | 276 | 669439 | 49.480 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 24.374 | 252 | 600114 | 50.241 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 24.450 | 252 | 590758 | 49.006 | ng | | 99 |
| 90) Benzo(a)pyrene | 25.325 | 252 | 529785 | 45.481 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.590 | 278 | 557631 | 49.524 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.806 | 276 | 541777 | 49.336 | ng | | 98 |

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

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