Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012723\
Data File : BG056455.D
Acq On : 27 Jan 2023 12:17
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 27 23:45:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 27 23:42:35 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 01/30/2023
Supervised By :Jagrut Upadhyay 01/30/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.281 | 152 | 35254 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.113 | 136 | 137497 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.903 | 164 | 111623 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.641 | 188 | 285777 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.930 | 240 | 271461 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.361 | 264 | 300281 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.802 | 112 | 37582 | 19.611 | ng | | 0.00 |
| 7) Phenol-d6 | 7.423 | 99 | 54399 | 19.158 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.456 | 82 | 47695 | 19.698 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.383 | 330 | 28649 | 19.306 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.528 | 172 | 163278 | 20.280 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.214 | 244 | 317295 | 20.529 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.604 | 88 | 8417 | 10.548 | ng | | 92 |
| 3) Pyridine | 4.027 | 79 | 22435 | 9.488 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.939 | 42 | 5066 | 10.015 | ng | # | 84 |
| 6) Aniline | 7.594 | 93 | 35857 | 9.645 | ng | | 98 |
| 8) 2-Chlorophenol | 7.840 | 128 | 21356 | 10.144 | ng | | 95 |
| 9) Benzaldehyde | 7.406 | 77 | 16041 | 11.516 | ng | | 90 |
| 10) Phenol | 7.453 | 94 | 28326 | 9.815 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 7.682 | 93 | 20061 | 10.113 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 8.169 | 146 | 23957 | 9.883 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.316 | 146 | 25227 | 10.277 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.639 | 146 | 24380 | 10.236 | ng | | 97 |
| 15) Benzyl Alcohol | 8.516 | 79 | 17971 | 9.224 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.804 | 45 | 4122 | 9.807 | ng | | 84 |
| 17) 2-Methylphenol | 8.716 | 107 | 20742 | 9.447 | ng | | 97 |
| 18) Hexachloroethane | 9.380 | 117 | 7453 | 10.038 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 9.080 | 70 | 15477 | 9.458 | ng | | 95 |
| 20) 3+4-Methylphenols | 9.045 | 107 | 29896 | 9.716 | ng | | 96 |
| 22) Acetophenone | 9.110 | 105 | 35801 | 9.800 | ng | # | 94 |
| 24) Nitrobenzene | 9.497 | 77 | 22819 | 9.770 | ng | # | 96 |
| 25) Isophorone | 10.020 | 82 | 48408 | 9.691 | ng | | 97 |
| 26) 2-Nitrophenol | 10.214 | 139 | 13456 | 9.496 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 10.261 | 122 | 23007 | 9.766 | ng | | 96 |
| 28) bis(2-Chloroethoxy)met... | 10.496 | 93 | 28010 | 10.150 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.761 | 162 | 24916 | 9.334 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 10.972 | 180 | 29514 | 9.949 | ng | # | 93 |
| 31) Naphthalene | 11.166 | 128 | 70781 | 9.753 | ng | | 97 |
| 32) Benzoic acid | 10.367 | 122 | 9869m | 7.368 | ng | | |
| 33) 4-Chloroaniline | 11.266 | 127 | 32906 | 9.714 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.442 | 225 | 21111 | 10.138 | ng | | 94 |
| 35) Caprolactam | 12.018 | 113 | 8346 | 9.270 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 12.370 | 107 | 25544 | 9.908 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.752 | 142 | 57696 | 9.643 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.970 | 142 | 53797 | 9.628 | ng | | 89 |
| 40) 1,2,4,5-Tetrachloroben... | 13.111 | 216 | 40619 | 9.961 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 13.087 | 237 | 11355 | 6.265 | ng | | 88 |
| 43) 2,4,6-Trichlorophenol | 13.346 | 196 | 25106 | 9.553 | ng | | 96 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.422 | 196 | 29921m | 9.783 | ng | | |
| 46) 1,1'-Biphenyl | 13.739 | 154 | 79881 | 9.866 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.786 | 162 | 62624 | 9.896 | ng | | 99 |
| 48) 2-Nitroaniline | 13.980 | 65 | 12500 | 9.555 | ng | | 91 |
| 49) Acenaphthylene | 14.627 | 152 | 101803 | 9.888 | ng | | 99 |
| 50) Dimethylphthalate | 14.339 | 163 | 90121 | 9.980 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.468 | 165 | 19087 | 9.692 | ng | | 96 |
| 52) Acenaphthene | 14.967 | 154 | 60312 | 9.878 | ng | | 96 |
| 53) 3-Nitroaniline | 14.803 | 138 | 18781 | 9.837 | ng | | 94 |
| 54) 2,4-Dinitrophenol | 15.014 | 184 | 9101 | 7.371 | ng | # | 91 |
| 55) Dibenzofuran | 15.296 | 168 | 108926 | 9.948 | ng | | 99 |
| 56) 4-Nitrophenol | 15.102 | 139 | 11166 | 8.604 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 15.255 | 165 | 27324 | 9.850 | ng | | 98 |
| 58) Fluorene | 15.943 | 166 | 86788 | 9.961 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.526 | 232 | 25203 | 9.213 | ng | # | 99 |
| 60) Diethylphthalate | 15.684 | 149 | 85917 | 10.132 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.925 | 204 | 52458 | 9.867 | ng | | 96 |
| 62) 4-Nitroaniline | 15.954 | 138 | 18654 | 9.764 | ng | | 98 |
| 63) Azobenzene | 16.219 | 77 | 58044 | 9.948 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 16.019 | 198 | 17973 | 8.946 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 16.137 | 169 | 79646 | 9.844 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.818 | 248 | 35117 | 9.599 | ng | | 97 |
| 68) Hexachlorobenzene | 16.947 | 284 | 34333 | 9.582 | ng | | 94 |
| 69) Atrazine | 17.071 | 200 | 31591 | 10.120 | ng | | 98 |
| 70) Pentachlorophenol | 17.294 | 266 | 16952 | 7.843 | ng | | 95 |
| 71) Phenanthrene | 17.682 | 178 | 147144 | 9.838 | ng | | 99 |
| 72) Anthracene | 17.776 | 178 | 151353 | 9.858 | ng | | 99 |
| 73) Carbazole | 18.040 | 167 | 130062 | 9.946 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.563 | 149 | 138746 | 10.105 | ng | | 99 |
| 75) Fluoranthene | 19.674 | 202 | 187710 | 9.944 | ng | | 99 |
| 77) Benzidine | 19.844 | 184 | 90731 | 12.351 | ng | | 98 |
| 78) Pyrene | 20.038 | 202 | 195759 | 10.139 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.890 | 149 | 57662 | 9.779 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.906 | 228 | 187330 | 9.871 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.812 | 252 | 69799 | 10.213 | ng | | 98 |
| 83) Chrysene | 21.977 | 228 | 179116 | 10.046 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 21.771 | 149 | 83013 | 9.820 | ng | | 99 |
| 85) Di-n-octyl phthalate | 23.040 | 149 | 139710 | 9.924 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 29.292 | 276 | 214129 | 9.742 | ng | # | 95 |
| 88) Benzo(b)fluoranthene | 24.256 | 252 | 181066 | 9.715 | ng | | 96 |
| 89) Benzo(k)fluoranthene | 24.327 | 252 | 188311 | 10.010 | ng | | 100 |
| 90) Benzo(a)pyrene | 25.191 | 252 | 180629 | 9.838 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.345 | 278 | 181616 | 9.843 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.537 | 276 | 173701 | 9.757 | ng | | 99 |

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

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