Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051420\
Data File : BG045375.D
Acq On : 14 May 2020 13:11
Operator : CG/JU
Sample : TEST
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TEST

Quant Time: May 14 14:38:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 14 13:01:16 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.97 | 152 | 70447 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.78 | 136 | 296499 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.61 | 164 | 222044 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.36 | 188 | 528916 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.63 | 240 | 479256 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.79 | 264 | 534184 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.54 | 112 | 381953 | 89.51 | ng | | 0.00 |
| 7) Phenol-d6 | 7.14 | 99 | 545584 | 86.06 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.13 | 82 | 342869 | 52.76 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.11 | 330 | 270261 | 78.79 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.23 | 172 | 825333 | 54.50 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.98 | 244 | 1438045 | 65.40 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.42 | 88 | 47825 | 25.220 | ng | | 95 |
| 3) Pyridine | 3.82 | 79 | 111469 | 19.091 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.73 | 42 | 49852 | 27.871 | ng | # | 98 |
| 6) Aniline | 7.29 | 93 | 112339 | 13.628 | ng | | 99 |
| 8) 2-Chlorophenol | 7.54 | 128 | 141040 | 30.755 | ng | | 97 |
| 9) Benzaldehyde | 7.10 | 77 | 101324 | 24.824 | ng | | 95 |
| 10) Phenol | 7.17 | 94 | 191770 | 30.228 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.38 | 93 | 127970 | 25.335 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 7.86 | 146 | 147384 | 27.273 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.00 | 146 | 148063 | 27.497 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.33 | 146 | 139619 | 27.103 | ng | | 95 |
| 15) Benzyl Alcohol | 8.20 | 79 | 144078 | 27.106 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.50 | 45 | 120672 | 24.338 | ng | | 97 |
| 17) 2-Methylphenol | 8.42 | 107 | 131444 | 26.854 | ng | | 96 |
| 18) Hexachloroethane | 9.06 | 117 | 59337 | 29.313 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.77 | 70 | 118498 | 26.430 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.75 | 107 | 181170 | 26.443 | ng | | 98 |
| 22) Acetophenone | 8.79 | 105 | 218922 | 27.304 | ng | # | 97 |
| 24) Nitrobenzene | 9.17 | 77 | 180603 | 27.114 | ng | | 94 |
| 25) Isophorone | 9.70 | 82 | 337841 | 25.388 | ng | | 99 |
| 26) 2-Nitrophenol | 9.88 | 139 | 78435 | 27.338 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 9.96 | 122 | 138465 | 30.416 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 10.18 | 93 | 187437 | 26.808 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.43 | 162 | 151318 | 28.786 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.64 | 180 | 159975 | 26.879 | ng | | 99 |
| 31) Naphthalene | 10.83 | 128 | 431528 | 26.605 | ng | | 99 |
| 32) Benzoic acid | 10.10 | 122 | 76471 | 24.406 | ng | | 97 |
| 33) 4-Chloroaniline | 10.94 | 127 | 52742 | 6.972 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.12 | 225 | 108346 | 26.552 | ng | | 99 |
| 35) Caprolactam | 11.69 | 113 | 56287m | 26.904 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.07 | 107 | 173890 | 28.159 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.44 | 142 | 335511 | 26.650 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.66 | 142 | 322769 | 27.157 | ng | | 96 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.81 | 216 | 193975 | 27.132 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.79 | 237 | 254661 | 56.992 ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 13.05 | 196 | 135916 | 26.937 ng | | 91 |
| 44) 2,4,5-Trichlorophenol | 13.13 | 196 | 148232 | 25.810 ng | | 98 |
| 46) 1,1'-Biphenyl | 13.44 | 154 | 443238 | 26.263 ng | | 98 |
| 47) 2-Chloronaphthalene | 13.49 | 162 | 336377 | 26.085 ng | | 98 |
| 48) 2-Nitroaniline | 13.69 | 65 | 109635 | 25.840 ng | | 98 |
| 49) Acenaphthylene | 14.34 | 152 | 564342 | 26.867 ng | | 99 |
| 50) Dimethylphthalate | 14.07 | 163 | 474269 | 26.232 ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.18 | 165 | 106557 | 26.350 ng | | 98 |
| 52) Acenaphthene | 14.68 | 154 | 417233m | 29.358 ng | | |
| 53) 3-Nitroaniline | 14.51 | 138 | 35609 | 8.029 ng | # | 93 |
| 54) 2,4-Dinitrophenol | 14.73 | 184 | 129839 | 53.995 ng | | 92 |
| 55) Dibenzofuran | 15.01 | 168 | 551582 | 26.621 ng | | 99 |
| 56) 4-Nitrophenol | 14.84 | 139 | 174529 | 50.751 ng | | 93 |
| 57) 2,4-Dinitrotoluene | 14.97 | 165 | 154305 | 26.110 ng | | 98 |
| 58) Fluorene | 15.67 | 166 | 459302 | 27.138 ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.25 | 232 | 141873 | 27.762 ng | | 98 |
| 60) Diethylphthalate | 15.44 | 149 | 491599 | 26.079 ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.65 | 204 | 249395 | 25.601 ng | | 97 |
| 62) 4-Nitroaniline | 15.68 | 138 | 101518 | 22.068 ng | | 96 |
| 63) Azobenzene | 15.95 | 77 | 465121 | 26.763 ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.74 | 198 | 99142 | 28.517 ng | | 93 |
| 66) n-Nitrosodiphenylamine | 15.87 | 169 | 410949 | 27.042 ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.55 | 248 | 173191 | 25.382 ng | | 98 |
| 68) Hexachlorobenzene | 16.68 | 284 | 185701 | 26.241 ng | | 99 |
| 69) Atrazine | 16.82 | 200 | 157710 | 26.487 ng | | 94 |
| 70) Pentachlorophenol | 17.02 | 266 | 210349 | 48.453 ng | | 98 |
| 71) Phenanthrene | 17.40 | 178 | 741998 | 27.300 ng | | 99 |
| 72) Anthracene | 17.50 | 178 | 764890 | 28.055 ng | | 99 |
| 73) Carbazole | 17.77 | 167 | 711282 | 25.708 ng | | 97 |
| 74) Di-n-butylphthalate | 18.33 | 149 | 870475 | 26.393 ng | | 99 |
| 75) Fluoranthene | 19.42 | 202 | 920173 | 26.230 ng | | 99 |
| 77) Benzidine | 19.60 | 184 | 298101 | 17.887 ng | | 99 |
| 78) Pyrene | 19.78 | 202 | 928743 | 28.110 ng | | 97 |
| 80) Butylbenzylphthalate | 20.67 | 149 | 371139 | 27.099 ng | | 99 |
| 81) Benzo(a)anthracene | 21.61 | 228 | 858242 | 27.629 ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.52 | 252 | 141316 | 11.430 ng | # | 95 |
| 83) Chrysene | 21.67 | 228 | 816371 | 27.353 ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.52 | 149 | 515212 | 27.352 ng | | 97 |
| 85) Di-n-octyl phthalate | 22.71 | 149 | 877913 | 26.953 ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.38 | 276 | 1055291 | 26.632 ng | # | 95 |
| 88) Benzo(b)fluoranthene | 23.79 | 252 | 893108 | 26.691 ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.86 | 252 | 862330 | 27.099 ng | | 95 |
| 90) Benzo(a)pyrene | 24.64 | 252 | 825231 | 26.121 ng | | 96 |
| 91) Dibenzo(a,h)anthracene | 28.45 | 278 | 860143 | 27.020 ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.50 | 276 | 868588 | 27.215 ng | | 98 |

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

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