Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
Data File : BG033163.D
Acq On : 15 Mar 2018 3:15
Operator : SJ/JU
Sample : J1749-04MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BU-02-031318MS

**Manual Integrations APPROVED**
Sohil
3/15/2018 7:00:15 PM

Quant Time: Mar 15 11:19:58 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 14 13:59:34 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.90 | 152 | 38648 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.78 | 136 | 176432 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.52 | 164 | 111139 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 18.24 | 188 | 265164 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.60 | 240 | 241561 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 26.40 | 264 | 261715 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.32 | 112 | 350833 | 145.23 | ng | | 0.00 |
| 7) Phenol-d6 | 8.01 | 99 | 445582 | 132.33 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 10.10 | 82 | 317523 | 120.24 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.99 | 330 | 260917 | 223.28 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 14.14 | 172 | 719984 | 93.43 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.76 | 244 | 1255036 | 116.73 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.96 | 88 | 31219 | 29.777 | ng | # | 92 |
| 3) Pyridine | 4.43 | 79 | 78177 | 27.054 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 4.32 | 42 | 57954 | 50.024 | ng | # | 82 |
| 6) Aniline | 8.19 | 93 | 60189 | 13.206 | ng | | 96 |
| 8) 2-Chlorophenol | 8.45 | 128 | 120967 | 45.749 | ng | | 98 |
| 9) Benzaldehyde | 8.00 | 77 | 32798 | 16.901 | ng | | 96 |
| 10) Phenol | 8.03 | 94 | 137631 | 40.548 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 8.28 | 93 | 108581 | 39.121 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 8.78 | 146 | 117687 | 38.001 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.93 | 146 | 120781 | 38.744 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 9.27 | 146 | 117260 | 39.253 | ng | | 99 |
| 15) Benzyl Alcohol | 9.13 | 79 | 109684 | 44.310 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.42 | 45 | 210642 | 44.147 | ng | | 99 |
| 17) 2-Methylphenol | 9.33 | 107 | 105476 | 42.140 | ng | | 96 |
| 18) Hexachloroethane | 10.02 | 117 | 43908 | 41.368 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 9.71 | 70 | 96680 | 40.671 | ng | # | 89 |
| 20) 3+4-Methylphenols | 9.67 | 107 | 146869 | 42.201 | ng | | 95 |
| 22) Acetophenone | 9.74 | 105 | 181994 | 40.845 | ng | # | 98 |
| 24) Nitrobenzene | 10.14 | 77 | 141095 | 49.861 | ng | | 94 |
| 25) Isophorone | 10.67 | 82 | 280294 | 45.262 | ng | # | 94 |
| 26) 2-Nitrophenol | 10.87 | 139 | 67683 | 61.756 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 10.90 | 122 | 133005 | 49.441 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 11.14 | 93 | 155234 | 43.030 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 11.41 | 162 | 127094 | 52.054 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 11.64 | 180 | 116518 | 40.712 | ng | | 96 |
| 31) Naphthalene | 11.84 | 128 | 393509 | 42.684 | ng | | 99 |
| 32) Benzoic acid | 11.04 | 122 | 71383m | 44.221 | ng | | |
| 33) 4-Chloroaniline | 11.93 | 127 | 24525 | 5.950 | ng | | 98 |
| 34) Hexachlorobutadiene | 12.09 | 225 | 68398 | 42.606 | ng | | 97 |
| 35) Caprolactam | 12.68 | 113 | 39667 | 40.574 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 13.00 | 107 | 158567 | 55.808 | ng | | 95 |
| 37) 2-Methylnaphthalene | 13.39 | 142 | 294369 | 44.134 | ng | | 94 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.74 | 216 | 136917 | 41.500 | ng | # | 97 |
| 40) Hexachlorocyclopentadiene | 13.71 | 237 | 165199 | 98.252 | ng | | 93 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.97 | 196 | 104056 | 50.013 ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 14.04 | 196 | 119844 | 49.768 ng | | 96 |
| 45) 1,1'-Biphenyl | 14.36 | 154 | 382401 | 39.375 ng | | 97 |
| 46) 2-Chloronaphthalene | 14.41 | 162 | 289009 | 39.837 ng | | 97 |
| 47) 2-Nitroaniline | 14.60 | 65 | 110139 | 57.699 ng | | 93 |
| 48) Acenaphthylene | 15.25 | 152 | 488327 | 41.114 ng | | 99 |
| 49) Dimethylphthalate | 14.94 | 163 | 411197 | 43.574 ng | | 100 |
| 50) 2,6-Dinitrotoluene | 15.07 | 165 | 89568 | 55.612 ng | | 97 |
| 51) Acenaphthene | 15.58 | 154 | 345099 | 46.653 ng | | 99 |
| 52) 3-Nitroaniline | 15.41 | 138 | 27933 | 19.727 ng | # | 86 |
| 53) 2,4-Dinitrophenol | 15.61 | 184 | 72358 | 122.188 ng | # | 80 |
| 54) Dibenzofuran | 15.91 | 168 | 472103 | 44.823 ng | | 91 |
| 55) 4-Nitrophenol | 15.69 | 139 | 148135 | 94.456 ng | | 94 |
| 56) 2,4-Dinitrotoluene | 15.85 | 165 | 130061 | 64.808 ng | # | 89 |
| 57) Fluorene | 16.55 | 166 | 384014 | 44.174 ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 16.12 | 232 | 105668m | 56.519 ng | | |
| 59) Diethylphthalate | 16.28 | 149 | 451309 | 45.343 ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 16.52 | 204 | 197302 | 46.395 ng | | 90 |
| 61) 4-Nitroaniline | 16.56 | 138 | 67245 | 34.582 ng | | 96 |
| 62) Azobenzene | 16.82 | 77 | 393057 | 44.142 ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 16.61 | 198 | 57989 | 65.492 ng | | 98 |
| 65) n-Nitrosodiphenylamine | 16.73 | 169 | 354389 | 41.083 ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 17.42 | 248 | 130156 | 46.421 ng | # | 88 |
| 67) Hexachlorobenzene | 17.55 | 284 | 138988 | 45.871 ng | | 96 |
| 68) Atrazine | 17.66 | 200 | 110674 | 38.978 ng | | 97 |
| 69) Pentachlorophenol | 17.89 | 266 | 166854 | 87.426 ng | | 98 |
| 70) Phenanthrene | 18.29 | 178 | 644083 | 43.538 ng | | 99 |
| 71) Anthracene | 18.38 | 178 | 653780 | 44.020 ng | | 99 |
| 72) Carbazole | 18.64 | 167 | 598660 | 40.895 ng | | 97 |
| 73) Di-n-butylphthalate | 19.13 | 149 | 760790 | 42.362 ng | | 99 |
| 74) Fluoranthene | 20.24 | 202 | 734107 | 44.923 ng | | 97 |
| 76) Benzidine | 20.40 | 184 | 107447m | 13.049 ng | | |
| 77) Pyrene | 20.60 | 202 | 732715 | 43.012 ng | | 99 |
| 79) Butylbenzylphthalate | 21.46 | 149 | 338712 | 44.846 ng | | 94 |
| 80) Benzo(a)anthracene | 22.58 | 228 | 691231 | 44.624 ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 22.47 | 252 | 79610 | 13.877 ng | | 97 |
| 82) Chrysene | 22.66 | 228 | 651738 | 44.045 ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 22.40 | 149 | 465232 | 41.613 ng | | 95 |
| 84) Di-n-octyl phthalate | 23.81 | 149 | 783127 | 45.956 ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 30.83 | 276 | 814695 | 47.210 ng | # | 89 |
| 87) Benzo(b)fluoranthene | 25.18 | 252 | 700773 | 45.286 ng | | 99 |
| 88) Benzo(k)fluoranthene | 25.26 | 252 | 676442 | 43.985 ng | | 99 |
| 89) Benzo(a)pyrene | 26.23 | 252 | 668578 | 45.425 ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 30.90 | 278 | 681413 | 45.995 ng | | 96 |
| 91) Benzo(g,h,i)perylene | 32.23 | 276 | 674716 | 46.200 ng | | 99 |

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

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