Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050118\
Data File : BG034111.D
Acq On : 2 May 2018 11:50
Operator : SJ/JU
Sample : J2607-02
Misc : 8PPM MDL
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
NJD001-74

**Manual Integrations APPROVED**
Sohil
5/2/2018 4:51:05 PM

Quant Time: May 02 14:16:24 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 01 19:08:03 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.07 | 152 | 66051 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.89 | 136 | 255348 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.72 | 164 | 196000 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.47 | 188 | 554819 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.76 | 240 | 670831 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.05 | 264 | 656265 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 586529 | 143.47 | ng | | 0.00 |
| 7) Phenol-d6 | 7.22 | 99 | 797651 | 125.33 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.24 | 82 | 687254 | 103.27 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.21 | 330 | 442168 | 162.92 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.34 | 172 | 1398632 | 103.98 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.09 | 244 | 2870292 | 93.73 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.56 | 88 | 128 | 0.075 | ng | # | 1 |
| 3) Pyridine | 3.95 | 79 | 112 | 0.021 | ng | # | 15 |
| 4) n-Nitrosodimethylamine | 3.86 | 42 | 207 | 0.070 | ng | # | 1 |
| 6) Aniline | 7.39 | 93 | 7617 | 0.880 | ng | # | 84 |
| 8) 2-Chlorophenol | 7.64 | 128 | 176 | 0.043 | ng | # | 1 |
| 10) Phenol | 7.24 | 94 | 351 | 0.055 | ng | # | 1 |
| 11) bis(2-Chloroethyl)ether | 7.39 | 93 | 7617 | 1.507 | ng | # | 26 |
| 12) 1,3-Dichlorobenzene | 7.93 | 146 | 113 | 0.022 | ng | # | 72 |
| 13) 1,4-Dichlorobenzene | 7.93 | 146 | 113 | 0.022 | ng | | 89 |
| 14) 1,2-Dichlorobenzene | 7.93 | 146 | 113 | 0.023 | ng | | 92 |
| 15) Benzyl Alcohol | 8.39 | 79 | 13430 | 1.978 | ng | # | 43 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62 | 45 | 356 | 0.051 | ng | | 75 |
| 17) 2-Methylphenol | 8.48 | 107 | 85 | 0.020 | ng | # | 13 |
| 18) Hexachloroethane | 9.13 | 117 | 130 | 0.060 | ng | # | 1 |
| 20) 3+4-Methylphenols | 8.83 | 107 | 89 | 0.014 | ng | # | 12 |
| 22) Acetophenone | 8.90 | 105 | 657 | 0.076 | ng | # | 68 |
| 24) Nitrobenzene | 9.23 | 77 | 3083 | 0.423 | ng | # | 25 |
| 25) Isophorone | 9.81 | 82 | 92 | 0.007 | ng | # | 69 |
| 26) 2-Nitrophenol | 10.02 | 139 | 179 | 0.089 | ng | # | 29 |
| 27) 2,4-Dimethylphenol | 10.16 | 122 | 81 | 0.021 | ng | # | 1 |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93 | 115 | 0.017 | ng | # | 51 |
| 29) 2,4-Dichlorophenol | 10.49 | 162 | 262 | 0.056 | ng | # | 23 |
| 30) 1,2,4-Trichlorobenzene | 10.76 | 180 | 74 | 0.013 | ng | # | 12 |
| 31) Naphthalene | 10.94 | 128 | 795 | 0.059 | ng | # | 68 |
| 33) 4-Chloroaniline | 11.04 | 127 | 2368 | 0.391 | ng | # | 76 |
| 34) Hexachlorobutadiene | 11.38 | 225 | 68 | 0.014 | ng | # | 20 |
| 35) Caprolactam | 11.77 | 113 | 71 | 0.043 | ng | # | 20 |
| 36) 4-Chloro-3-methylphenol | 12.14 | 107 | 177 | 0.029 | ng | # | 21 |
| 37) 2-Methylnaphthalene | 12.55 | 142 | 162 | 0.015 | ng | # | 17 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.91 | 216 | 124 | 0.016 | ng | # | 72 |
| 40) Hexachlorocyclopentadiene | 12.48 | 237 | 98 | 0.022 | ng | | 87 |
| 42) 2,4,6-Trichlorophenol | 13.07 | 196 | 111 | 0.025 | ng | # | 11 |
| 43) 2,4,5-Trichlorophenol | 13.21 | 196 | 213 | 0.044 | ng | # | 17 |
| 45) 1,1'-Biphenyl | 13.55 | 154 | 3416 | 0.223 | ng | # | 69 |

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|---|---|---|---|---|---|---|---|
| 46) 2-Chloronaphthalene | 13.65 | 162 | 67 | 0.006 | ng | # | 1 |
| 47) 2-Nitroaniline | 13.78 | 65 | 187 | 0.040 | ng | # | 9 |
| 48) Acenaphthylene | 14.52 | 152 | 62 | 0.003 | ng | # | 59 |
| 49) Dimethylphthalate | 14.17 | 163 | 174 | 0.010 | ng | # | 48 |
| 51) Acenaphthene | 14.77 | 154 | 532 | 0.042 | ng | # | 5 |
| 52) 3-Nitroaniline | 14.64 | 138 | 56 | 0.017 | ng | # | 1 |
| 53) 2,4-Dinitrophenol | 14.90 | 184 | 104 | 0.081 | ng | # | 1 |
| 54) Dibenzofuran | 15.11 | 168 | 316 | 0.017 | ng | # | 46 |
| 55) 4-Nitrophenol | 14.90 | 139 | 54 | 0.022 | ng | # | 1 |
| 57) Fluorene | 15.77 | 166 | 503 | 0.032 | ng | # | 7 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.35 | 232 | 127 | 0.025 | ng | # | 33 |
| 59) Diethylphthalate | 15.54 | 149 | 588 | 0.033 | ng | # | 1 |
| 60) 4-Chlorophenyl-phenylether | 15.71 | 204 | 97 | 0.010 | ng | # | 30 |
| 61) 4-Nitroaniline | 15.78 | 138 | 88 | 0.025 | ng | # | 12 |
| 62) Azobenzene | 16.04 | 77 | 213 | 0.011 | ng | # | 48 |
| 64) 4,6-Dinitro-2-methylphenol | 15.78 | 198 | 206 | 0.079 | ng | # | 68 |
| 65) n-Nitrosodiphenylamine | 16.20 | 169 | 19329 | 1.278 | ng | # | 42 |
| 67) Hexachlorobenzene | 16.92 | 284 | 55 | 0.008 | ng | # | 41 |
| 68) Atrazine | 16.96 | 200 | 75 | 0.925 | ng | # | 61 |
| 69) Pentachlorophenol | 17.12 | 266 | 55 | 0.011 | ng | # | 19 |
| 70) Phenanthrene | 17.51 | 178 | 1060 | 0.037 | ng | # | 60 |
| 71) Anthracene | 17.60 | 178 | 141 | 0.005 | ng | # | 59 |
| 72) Carbazole | 17.88 | 167 | 73 | 0.003 | ng | # | 1 |
| 73) Di-n-butylphthalate | 18.44 | 149 | 888 | 0.028 | ng | # | 21 |
| 74) Fluoranthene | 19.49 | 202 | 126 | 0.003 | ng | | 65 |
| 76) Benzidine | 19.70 | 184 | 1102115m | 63.780 | ng | | |
| 77) Pyrene | 20.09 | 202 | 15223 | 0.362 | ng | # | 53 |
| 79) Butylbenzylphthalate | 20.78 | 149 | 162 | 0.010 | ng | # | 20 |
| 80) Benzo(a)anthracene | 21.76 | 228 | 1682 | 0.039 | ng | # | 20 |
| 81) 3,3'-Dichlorobenzidine | 21.65 | 252 | 1069 | 0.066 | ng | # | 61 |
| 82) Chrysene | 21.82 | 228 | 55 | 0.001 | ng | # | 49 |
| 83) Bis(2-ethylhexyl)phthalate | 21.69 | 149 | 262 | 0.012 | ng | # | 61 |
| 84) Di-n-octyl phthalate | 22.91 | 149 | 143 | 0.004 | ng | # | 1 |
| 85) Indeno(1,2,3-cd)pyrene | 28.79 | 276 | 71 | 0.002 | ng | # | 1 |
| 87) Benzo(b)fluoranthene | 24.00 | 252 | 77 | 0.002 | ng | # | 59 |
| 88) Benzo(k)fluoranthene | 24.11 | 252 | 243 | 0.006 | ng | # | 1 |
| 89) Benzo(a)pyrene | 24.89 | 252 | 83 | 0.002 | ng | # | 9 |
| 90) Dibenzo(a,h)anthracene | 28.92 | 278 | 60 | 0.002 | ng | # | 1 |
| 91) Benzo(g,h,i)perylene | 29.99 | 276 | 63 | 0.002 | ng | # | 56 |

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

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