Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG121317\
Data File : BG031539.D
Acq On : 13 Dec 2017 22:14
Operator : SJ/JU
Sample : I6676-06MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-03-121217MSD

**Manual Integrations APPROVED**

Quant Time: Dec 25 04:33:46 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG121117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 11 17:25:55 2017
Response via : Initial Calibration

Sohil

12/15/2017 7:48:02 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 51662 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.92 | 136 | 220916 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.73 | 164 | 162736 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.47 | 188 | 471994 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.75 | 240 | 526876 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.03 | 264 | 270887 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.67 | 112 | 410714 | 140.92 | ng | | 0.00 |
| 7) Phenol-d6 | 7.28 | 99 | 523058 | 129.27 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 9.27 | 82 | 340504 | 95.00 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.22 | 330 | 330725 | 173.47 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.35 | 172 | 968477 | 87.36 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.07 | 244 | 2171088 | 93.75 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 45619 | 32.80 | ng | # | 81 |
| 3) Pyridine | 3.95 | 79 | 150356 | 41.06 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 61420 | 35.61 | ng | # | 95 |
| 6) Aniline | 7.44 | 93 | 11975m | 2.25 | ng | | |
| 8) 2-Chlorophenol | 7.68 | 128 | 143525 | 44.15 | ng | | 89 |
| 9) Benzaldehyde | 7.24 | 77 | 79212 | 33.77 | ng | | 91 |
| 10) Phenol | 7.31 | 94 | 166568 | 40.07 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.52 | 93 | 130989 | 38.61 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 7.99 | 146 | 150876 | 39.02 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.14 | 146 | 155011 | 38.58 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.46 | 146 | 148420 | 38.78 | ng | | 97 |
| 15) Benzyl Alcohol | 8.35 | 79 | 72276 | 22.83 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.63 | 45 | 192550 | 50.52 | ng | | 90 |
| 17) 2-Methylphenol | 8.56 | 107 | 122357 | 43.18 | ng | | 97 |
| 18) Hexachloroethane | 9.19 | 117 | 52542 | 38.79 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.91 | 70 | 106172 | 33.34 | ng | # | 96 |
| 20) 3+4-Methylphenols | 8.89 | 107 | 169906 | 40.25 | ng | | 94 |
| 22) Acetophenone | 8.93 | 105 | 220348 | 41.58 | ng | # | 93 |
| 24) Nitrobenzene | 9.32 | 77 | 158271 | 43.09 | ng | | 92 |
| 25) Isophorone | 9.84 | 82 | 303571 | 44.82 | ng | # | 92 |
| 26) 2-Nitrophenol | 10.03 | 139 | 85195 | 46.91 | ng | # | 88 |
| 27) 2,4-Dimethylphenol | 10.09 | 122 | 147093 | 53.32 | ng | | 91 |
| 28) bis(2-Chloroethoxy)methane | 10.31 | 93 | 164405 | 37.60 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 10.58 | 162 | 166683 | 51.28 | ng | | 90 |
| 30) 1,2,4-Trichlorobenzene | 10.78 | 180 | 175269 | 42.21 | ng | | 93 |
| 31) Naphthalene | 10.97 | 128 | 441342 | 40.67 | ng | | 99 |
| 32) Benzoic acid | 10.26 | 122 | 70850 | 44.82 | ng | # | 82 |
| 33) 4-Chloroaniline | 11.11 | 127 | 7855 | 1.67 | ng | # | 88 |
| 34) Hexachlorobutadiene | 11.25 | 225 | 109345 | 39.70 | ng | | 96 |
| 35) Caprolactam | 11.86 | 113 | 67819m | 53.14 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.21 | 107 | 186438 | 50.25 | ng | | 85 |
| 37) 2-Methylnaphthalene | 12.57 | 142 | 355668 | 42.33 | ng | | 94 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 232416 | 36.54 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.91 | 237 | 133853 | 66.79 | ng | | 92 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.18 | 196 | 156066 | 48.03 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 13.27 | 196 | 179299 | 51.22 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 13.56 | 154 | 513592 | 38.42 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.61 | 162 | 403469 | 41.24 | ng | | 96 |
| 47) 2-Nitroaniline | 13.82 | 65 | 104172 | 37.89 | ng | # | 74 |
| 48) Acenaphthylene | 14.46 | 152 | 612651 | 38.92 | ng | | 99 |
| 49) Dimethylphthalate | 14.18 | 163 | 611230 | 45.37 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.30 | 165 | 138294 | 48.02 | ng | # | 75 |
| 51) Acenaphthene | 14.79 | 154 | 393803 | 39.56 | ng | | 96 |
| 52) 3-Nitroaniline | 14.66 | 138 | 18132 | 6.18 | ng | # | 84 |
| 53) 2,4-Dinitrophenol | 14.86 | 184 | 129387 | 104.53 | ng | # | 50 |
| 54) Dibenzofuran | 15.13 | 168 | 675487 | 42.53 | ng | | 97 |
| 55) 4-Nitrophenol | 14.97 | 139 | 189714 | 94.95 | ng | # | 81 |
| 56) 2,4-Dinitrotoluene | 15.10 | 165 | 206412 | 50.46 | ng | # | 74 |
| 57) Fluorene | 15.77 | 166 | 555656 | 43.66 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.36 | 232 | 181848 | 55.27 | ng | # | 88 |
| 59) Diethylphthalate | 15.53 | 149 | 624245 | 46.22 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.76 | 204 | 323713 | 41.57 | ng | | 92 |
| 61) 4-Nitroaniline | 15.81 | 138 | 56553 | 18.36 | ng | | 85 |
| 62) Azobenzene | 16.06 | 77 | 457149 | 40.86 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 15.87 | 198 | 108690 | 39.06 | ng | | 80 |
| 65) n-Nitrosodiphenylamine | 15.98 | 169 | 71988 | 5.21 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 16.65 | 248 | 226782 | 41.32 | ng | | 96 |
| 67) Hexachlorobenzene | 16.78 | 284 | 230088 | 40.60 | ng | | 96 |
| 68) Atrazine | 16.92 | 200 | 9698 | 1.92 | ng | | 97 |
| 69) Pentachlorophenol | 17.13 | 266 | 207527 | 76.45 | ng | | 99 |
| 70) Phenanthrene | 17.52 | 178 | 1033433 | 41.92 | ng | | 98 |
| 71) Anthracene | 17.61 | 178 | 1060951 | 43.52 | ng | | 99 |
| 72) Carbazole | 17.88 | 167 | 172952 | 7.84 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.41 | 149 | 1176493 | 46.18 | ng | | 98 |
| 74) Fluoranthene | 19.52 | 202 | 1376386 | 44.62 | ng | | 97 |
| 77) Pyrene | 19.88 | 202 | 1376641 | 42.05 | ng | | 97 |
| 79) Butylbenzylphthalate | 20.74 | 149 | 527989 | 45.97 | ng | # | 83 |
| 80) Benzo(a)anthracene | 21.72 | 228 | 1347513 | 42.37 | ng | | 97 |
| 82) Chrysene | 21.80 | 228 | 1310249 | 42.98 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.60 | 149 | 745154 | 45.10 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.82 | 149 | 1254027 | 46.01 | ng | # | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 28.81 | 276 | 1143766 | 35.10 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 23.99 | 252 | 1300387 | 80.30 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 24.05 | 252 | 1239103 | 74.97 | ng | | 97 |
| 89) Benzo(a)pyrene | 24.88 | 252 | 975860 | 63.52 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 28.85 | 278 | 1111147 | 75.63 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 29.99 | 276 | 837610 | 57.99 | ng | | 98 |

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

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