Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG113018\
Data File : BG038264.D
Acq On : 30 Nov 2018 19:20
Operator : JU/SJ
Sample : J5761-02MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** AU-06-112918MSD

**Manual Integrations APPROVED**
mohammad
12/3/2018 3:33:19 PM

Quant Time: Dec 03 04:41:27 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 16:39:28 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.08 | 152 | 32121 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.90 | 136 | 136110 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.72 | 164 | 83146 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.47 | 188 | 192559 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.75 | 240 | 180194 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.07 | 264 | 174035 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 215595 | 115.89 | ng | | 0.00 |
| 7) Phenol-d6 | 7.23 | 99 | 268523 | 101.12 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.26 | 82 | 219103 | 86.17 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.21 | 330 | 116107 | 122.44 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.34 | 172 | 458146 | 80.27 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.06 | 244 | 752761 | 98.30 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 29206 | 33.236 | ng | # | 1 |
| 3) Pyridine | 3.93 | 79 | 75772 | 30.228 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 47329 | 52.044 | ng | | 81 |
| 6) Aniline | 7.41 | 93 | 26613 | 7.765 | ng | # | 96 |
| 8) 2-Chlorophenol | 7.64 | 128 | 106020 | 49.113 | ng | | 99 |
| 9) Benzaldehyde | 7.22 | 77 | 69461 | 36.169 | ng | | 99 |
| 10) Phenol | 7.26 | 94 | 107671 | 38.278 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.50 | 93 | 100824 | 43.905 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.97 | 146 | 107171 | 43.095 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.12 | 146 | 107863 | 42.937 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.44 | 146 | 104044 | 43.381 | ng | | 98 |
| 15) Benzyl Alcohol | 8.33 | 79 | 94751 | 49.309 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.61 | 45 | 219222 | 51.410 | ng | | 98 |
| 17) 2-Methylphenol | 8.52 | 107 | 91133 | 47.921 | ng | | 96 |
| 18) Hexachloroethane | 9.17 | 117 | 39766 | 43.496 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 8.88 | 70 | 84891 | 44.179 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.85 | 107 | 122618 | 45.483 | ng | | 98 |
| 22) Acetophenone | 8.91 | 105 | 159924 | 47.224 | ng | # | 97 |
| 24) Nitrobenzene | 9.31 | 77 | 129047 | 49.613 | ng | | 95 |
| 25) Isophorone | 9.82 | 82 | 237820 | 51.965 | ng | | 96 |
| 26) 2-Nitrophenol | 10.01 | 139 | 60938 | 46.929 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 10.06 | 122 | 105723 | 54.038 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 10.30 | 93 | 140496 | 48.009 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.54 | 162 | 110425 | 50.179 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.76 | 180 | 112938 | 45.798 | ng | | 96 |
| 31) Naphthalene | 10.95 | 128 | 333748 | 49.853 | ng | | 98 |
| 32) Benzoic acid | 10.16 | 122 | 18234m | 23.088 | ng | | |
| 33) 4-Chloroaniline | 11.07 | 127 | 7100 | 2.280 | ng | # | 89 |
| 34) Hexachlorobutadiene | 11.22 | 225 | 68391 | 45.062 | ng | | 100 |
| 35) Caprolactam | 11.84 | 113 | 24519 | 27.836 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 12.17 | 107 | 118216 | 49.171 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.55 | 142 | 245616 | 51.077 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.77 | 142 | 234861 | 50.740 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.91 | 216 | 128155 | 46.126 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.88 | 237 | 132635 | 89.152 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.15 | 196 | 91065 | 48.099 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.23 | 196 | 93618 | 46.995 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.55 | 154 | 314534 | 45.029 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.60 | 162 | 249658 | 46.838 | ng | | 99 |
| 48) 2-Nitroaniline | 13.81 | 65 | 87823 | 52.351 | ng | | 97 |
| 49) Acenaphthylene | 14.45 | 152 | 408688 | 50.987 | ng | | 99 |
| 50) Dimethylphthalate | 14.17 | 163 | 319650 | 48.494 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.30 | 165 | 72759 | 48.771 | ng | | 95 |
| 52) Acenaphthene | 14.78 | 154 | 234667 | 48.630 | ng | | 99 |
| 53) 3-Nitroaniline | 14.64 | 138 | 10700 | 6.500 | ng | | 95 |
| 54) 2,4-Dinitrophenol | 14.84 | 184 | 7632 | 17.663 | ng | | 98 |
| 55) Dibenzofuran | 15.12 | 168 | 382794 | 47.973 | ng | | 96 |
| 56) 4-Nitrophenol | 14.93 | 139 | 68908 | 54.274 | ng | | 88 |
| 57) 2,4-Dinitrotoluene | 15.08 | 165 | 100445 | 49.485 | ng | | 97 |
| 58) Fluorene | 15.76 | 166 | 307563 | 51.661 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.33 | 232 | 79400 | 47.633 | ng | | 99 |
| 60) Diethylphthalate | 15.52 | 149 | 329785 | 47.104 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.75 | 204 | 162267 | 46.580 | ng | | 98 |
| 62) 4-Nitroaniline | 15.80 | 138 | 74831 | 45.758 | ng | | 95 |
| 63) Azobenzene | 16.05 | 77 | 313289 | 50.047 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.84 | 198 | 13802 | 11.332 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 15.97 | 169 | 278336 | 47.779 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.64 | 248 | 102587 | 48.539 | ng | | 98 |
| 68) Hexachlorobenzene | 16.76 | 284 | 103543 | 47.463 | ng | | 98 |
| 69) Atrazine | 16.91 | 200 | 101304 | 47.174 | ng | | 99 |
| 70) Pentachlorophenol | 17.11 | 266 | 54260 | 36.622 | ng | | 96 |
| 71) Phenanthrene | 17.51 | 178 | 503322 | 51.053 | ng | | 99 |
| 72) Anthracene | 17.60 | 178 | 515265 | 53.021 | ng | | 100 |
| 73) Carbazole | 17.87 | 167 | 463098 | 47.496 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.40 | 149 | 560567 | 51.217 | ng | | 98 |
| 75) Fluoranthene | 19.51 | 202 | 591495 | 52.586 | ng | | 98 |
| 77) Benzidine | 19.70 | 184 | 42593 | 6.736 | ng | | 96 |
| 78) Pyrene | 19.88 | 202 | 602875 | 51.173 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.75 | 149 | 248776 | 48.286 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.73 | 228 | 564236 | 51.816 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.64 | 252 | 43967 | 10.365 | ng | | 96 |
| 83) Chrysene | 21.80 | 228 | 531700 | 51.033 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.60 | 149 | 354004 | 48.181 | ng | | 97 |
| 85) Di-n-octyl phthalate | 22.83 | 149 | 579102 | 48.719 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.87 | 276 | 398213 | 34.413 | ng | # | 84 |
| 88) Benzo(b)fluoranthene | 24.00 | 252 | 521602 | 54.463 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.08 | 252 | 532530 | 56.350 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.91 | 252 | 499646 | 54.590 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.94 | 278 | 298770 | 33.926 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.06 | 276 | 316174 | 36.107 | ng | | 96 |

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

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