Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
Data File : BG035981.D
Acq On : 30 Jul 2018 18:16
Operator : JU/SJ
Sample : PB111568BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB111568BS

**Manual Integrations APPROVED**
Sohil
7/31/2018 12:20:47 PM

Quant Time: Jul 31 01:49:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 25 11:04:14 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.02 | 152 | 32238 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.82 | 136 | 123176 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 14.65 | 164 | 92034 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.39 | 188 | 267708 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.66 | 240 | 286657 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 24.85 | 264 | 275040 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 166307 | 85.65 | ng | 0.00 |
| 7) Phenol-d6 | 7.19 | 99 | 243564 | 84.07 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.19 | 82 | 238633 | 80.93 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.14 | 330 | 118742 | 97.89 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 13.27 | 172 | 580635 | 84.52 | ng | 0.00 |
| 78) Terphenyl-d14 | 19.99 | 244 | 1042231 | 80.14 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.51 | 88 | 28719 | 29.059 | ng | # 70 |
| 3) Pyridine | 3.91 | 79 | 78818 | 30.549 | ng | # 72 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 35996 | 32.493 | ng | # 83 |
| 6) Aniline | 7.35 | 93 | 69325 | 18.462 | ng | 90 |
| 8) 2-Chlorophenol | 7.59 | 128 | 87004 | 44.055 | ng | 98 |
| 9) Benzaldehyde | 7.16 | 77 | 58695 | 33.019 | ng | 98 |
| 10) Phenol | 7.22 | 94 | 128584 | 43.931 | ng | 93 |
| 11) bis(2-Chloroethyl)ether | 7.44 | 93 | 83897 | 36.601 | ng | 92 |
| 12) 1,3-Dichlorobenzene | 7.91 | 146 | 93932 | 39.387 | ng | # 89 |
| 13) 1,4-Dichlorobenzene | 8.06 | 146 | 95495 | 39.410 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 8.37 | 146 | 92544 | 39.756 | ng | 90 |
| 15) Benzyl Alcohol | 8.26 | 79 | 101232 | 38.479 | ng | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.55 | 45 | 96788 | 50.365 | ng | 72 |
| 17) 2-Methylphenol | 8.47 | 107 | 86828 | 43.632 | ng | 93 |
| 18) Hexachloroethane | 9.10 | 117 | 36203 | 39.075 | ng | 92 |
| 19) n-Nitroso-di-n-propylamine | 8.82 | 70 | 81790 | 33.526 | ng | # 81 |
| 20) 3+4-Methylphenols | 8.79 | 107 | 116839 | 42.322 | ng | 93 |
| 22) Acetophenone | 8.84 | 105 | 148533 | 38.777 | ng | # 92 |
| 24) Nitrobenzene | 9.23 | 77 | 124260 | 41.904 | ng | # 93 |
| 25) Isophorone | 9.74 | 82 | 236899 | 43.281 | ng | 99 |
| 26) 2-Nitrophenol | 9.94 | 139 | 51203 | 48.619 | ng | # 91 |
| 27) 2,4-Dimethylphenol | 10.00 | 122 | 94208 | 52.846 | ng | 84 |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93 | 123959 | 41.099 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.48 | 162 | 107621 | 52.886 | ng | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.69 | 180 | 109491 | 43.878 | ng | 95 |
| 31) Naphthalene | 10.88 | 128 | 274188 | 42.733 | ng | 99 |
| 32) Benzoic acid | 10.17 | 122 | 28930m | 24.106 | ng | |
| 33) 4-Chloroaniline | 10.99 | 127 | 25957 | 9.282 | ng | 95 |
| 34) Hexachlorobutadiene | 11.15 | 225 | 83570 | 42.949 | ng | 98 |
| 35) Caprolactam | 11.76 | 113 | 36831m | 42.175 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.11 | 107 | 127871 | 46.879 | ng | 92 |
| 37) 2-Methylnaphthalene | 12.48 | 142 | 217046 | 45.404 | ng | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 151004 | 43.471 | ng | 99 |
| 40) Hexachlorocyclopentadiene | 12.82 | 237 | 170709 | 93.706 | ng | 93 |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.09 | 196 | 94494 | 46.516 ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.16 | 196 | 107066 | 47.113 ng | | 97 |
| 45) 1,1'-Biphenyl | 13.48 | 154 | 307499 | 43.095 ng | | 98 |
| 46) 2-Chloronaphthalene | 13.53 | 162 | 243483 | 43.869 ng | | 100 |
| 47) 2-Nitroaniline | 13.73 | 65 | 88491 | 45.099 ng | | 97 |
| 48) Acenaphthylene | 14.37 | 152 | 410685 | 44.173 ng | | 98 |
| 49) Dimethylphthalate | 14.10 | 163 | 348480 | 43.217 ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.22 | 165 | 80486 | 49.016 ng | | 91 |
| 51) Acenaphthene | 14.71 | 154 | 240350 | 41.500 ng | | 97 |
| 52) 3-Nitroaniline | 14.56 | 138 | 29431 | 17.536 ng | # | 80 |
| 53) 2,4-Dinitrophenol | 14.77 | 184 | 55891 | 67.326 ng | # | 67 |
| 54) Dibenzofuran | 15.04 | 168 | 410228 | 44.538 ng | | 94 |
| 55) 4-Nitrophenol | 14.87 | 139 | 112707 | 94.299 ng | # | 87 |
| 56) 2,4-Dinitrotoluene | 15.01 | 165 | 120943 | 51.340 ng | # | 85 |
| 57) Fluorene | 15.69 | 166 | 347891 | 45.064 ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.28 | 232 | 110881 | 50.888 ng | # | 92 |
| 59) Diethylphthalate | 15.46 | 149 | 359568 | 43.366 ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.68 | 204 | 201505 | 44.410 ng | | 97 |
| 61) 4-Nitroaniline | 15.72 | 138 | 80269 | 45.723 ng | # | 83 |
| 62) Azobenzene | 15.98 | 77 | 358274 | 43.807 ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 15.78 | 198 | 66608 | 44.696 ng | | 84 |
| 65) n-Nitrosodiphenylamine | 15.90 | 169 | 314906 | 41.326 ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 16.58 | 248 | 137427 | 44.248 ng | | 92 |
| 67) Hexachlorobenzene | 16.70 | 284 | 142333 | 44.501 ng | | 96 |
| 68) Atrazine | 16.85 | 200 | 147230 | 46.928 ng | | 96 |
| 69) Pentachlorophenol | 17.05 | 266 | 128359 | 65.887 ng | | 94 |
| 70) Phenanthrene | 17.43 | 178 | 590489 | 44.204 ng | | 97 |
| 71) Anthracene | 17.53 | 178 | 616001 | 46.312 ng | | 97 |
| 72) Carbazole | 17.79 | 167 | 556273 | 44.038 ng | | 98 |
| 73) Di-n-butylphthalate | 18.34 | 149 | 642228 | 43.024 ng | # | 97 |
| 74) Fluoranthene | 19.44 | 202 | 794933 | 44.179 ng | | 96 |
| 76) Benzidine | 19.62 | 184 | 195925 | 25.998 ng | | 97 |
| 77) Pyrene | 19.80 | 202 | 797564 | 44.002 ng | | 97 |
| 79) Butylbenzylphthalate | 20.68 | 149 | 289630 | 44.684 ng | # | 96 |
| 80) Benzo(a)anthracene | 21.63 | 228 | 795377 | 44.525 ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.55 | 252 | 147800 | 23.729 ng | # | 98 |
| 82) Chrysene | 21.70 | 228 | 741786 | 44.811 ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.53 | 149 | 404620 | 45.917 ng | # | 98 |
| 84) Di-n-octyl phthalate | 22.73 | 149 | 688735 | 46.679 ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 28.49 | 276 | 837560 | 45.700 ng | # | 86 |
| 87) Benzo(b)fluoranthene | 23.84 | 252 | 765756 | 45.807 ng | # | 97 |
| 88) Benzo(k)fluoranthene | 23.91 | 252 | 728452 | 44.573 ng | # | 97 |
| 89) Benzo(a)pyrene | 24.70 | 252 | 738759 | 47.502 ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 28.55 | 278 | 695238 | 45.535 ng | # | 97 |
| 91) Benzo(g,h,i)perylene | 29.64 | 276 | 702741 | 47.036 ng | # | 94 |

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

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