Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071818\
Data File : BG035732.D
Acq On : 19 Jul 2018 00:45
Operator : JU/SJ
Sample : J3826-04MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
OK-01-071618MSD

**Manual Integrations APPROVED**
Sohil
7/19/2018 3:45:22 PM

Quant Time: Jul 19 03:26:44 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 18 17:45:13 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.04 | 152 | 51424 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.84 | 136 | 190379 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.66 | 164 | 129836 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.40 | 188 | 351356 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.67 | 240 | 392647 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.88 | 264 | 385207 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 403066 | 130.13 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 528539 | 114.37 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.20 | 82 | 409905 | 89.95 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.15 | 330 | 270245 | 157.92 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.29 | 172 | 863638 | 89.12 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.01 | 244 | 1706035 | 95.78 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.55 | 88 | 54478 | 34.557 | ng | # | 73 |
| 3) Pyridine | 3.95 | 79 | 140186 | 34.063 | ng | # | 74 |
| 4) n-Nitrosodimethylamine | 3.85 | 42 | 65563 | 37.102 | ng | # | 73 |
| 6) Aniline | 7.37 | 93 | 111983 | 18.695 | ng | | 96 |
| 8) 2-Chlorophenol | 7.61 | 128 | 152691 | 48.470 | ng | | 96 |
| 9) Benzaldehyde | 7.18 | 77 | 80492 | 28.387 | ng | | 92 |
| 10) Phenol | 7.24 | 94 | 188348 | 40.341 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.46 | 93 | 163038 | 44.590 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 7.93 | 146 | 168243m | 44.226 | ng | | |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 174087 | 45.039 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.39 | 146 | 163566 | 44.050 | ng | | 97 |
| 15) Benzyl Alcohol | 8.28 | 79 | 178982 | 42.650 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.56 | 45 | 177389 | 57.868 | ng | | 76 |
| 17) 2-Methylphenol | 8.49 | 107 | 151693 | 47.787 | ng | | 94 |
| 18) Hexachloroethane | 9.12 | 117 | 63578 | 43.020 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 8.84 | 70 | 146694 | 37.696 | ng | # | 86 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 201340 | 45.721 | ng | | 94 |
| 22) Acetophenone | 8.86 | 105 | 272396 | 46.011 | ng | # | 90 |
| 24) Nitrobenzene | 9.24 | 77 | 217753 | 47.511 | ng | # | 94 |
| 25) Isophorone | 9.76 | 82 | 424221 | 50.145 | ng | | 98 |
| 26) 2-Nitrophenol | 9.96 | 139 | 89290 | 54.855 | ng | # | 93 |
| 27) 2,4-Dimethylphenol | 10.01 | 122 | 156400 | 56.763 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 10.24 | 93 | 221980 | 47.619 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.50 | 162 | 181083 | 57.574 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 10.70 | 180 | 188864 | 48.970 | ng | | 97 |
| 31) Naphthalene | 10.90 | 128 | 474423 | 47.839 | ng | | 99 |
| 32) Benzoic acid | 10.14 | 122 | 19782 | 10.665 | ng | | 91 |
| 33) 4-Chloroaniline | 11.02 | 127 | 17058 | 3.947 | ng | # | 91 |
| 34) Hexachlorobutadiene | 11.18 | 225 | 140068 | 46.574 | ng | | 95 |
| 35) Caprolactam | 11.78 | 113 | 45878m | 33.991 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 216080 | 51.254 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.49 | 142 | 369800m | 50.052 | ng | | |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 246682 | 50.339 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.84 | 237 | 294349 | 114.532 | ng | | 91 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.10 | 196 | 163699 | 57.121 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 13.18 | 196 | 179148 | 55.880 | ng | | 99 |
| 45) 1,1'-Biphenyl | 13.50 | 154 | 504582 | 50.127 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.54 | 162 | 396617 | 50.655 | ng | | 97 |
| 47) 2-Nitroaniline | 13.74 | 65 | 143479 | 51.833 | ng | | 96 |
| 48) Acenaphthylene | 14.38 | 152 | 654557 | 49.906 | ng | | 99 |
| 49) Dimethylphthalate | 14.12 | 163 | 559401 | 49.176 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.24 | 165 | 128824 | 55.612 | ng | | 95 |
| 51) Acenaphthene | 14.73 | 154 | 388155 | 47.508 | ng | | 99 |
| 52) 3-Nitroaniline | 14.57 | 138 | 33961 | 14.344 | ng | # | 95 |
| 53) 2,4-Dinitrophenol | 14.78 | 184 | 7896 | 12.665 | ng | # | 79 |
| 54) Dibenzofuran | 15.06 | 168 | 649036 | 49.949 | ng | | 94 |
| 55) 4-Nitrophenol | 14.89 | 139 | 144299 | 85.580 | ng | # | 87 |
| 56) 2,4-Dinitrotoluene | 15.03 | 165 | 189445 | 57.005 | ng | # | 87 |
| 57) Fluorene | 15.71 | 166 | 540230 | 49.604 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 167485 | 54.487 | ng | | 95 |
| 59) Diethylphthalate | 15.48 | 149 | 565123 | 48.313 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.70 | 204 | 309664 | 48.377 | ng | | 96 |
| 61) 4-Nitroaniline | 15.74 | 138 | 126685 | 51.152 | ng | # | 80 |
| 62) Azobenzene | 15.99 | 77 | 566589 | 49.107 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 15.79 | 198 | 30580 | 15.635 | ng | | 87 |
| 65) n-Nitrosodiphenylamine | 15.92 | 169 | 485187 | 48.514 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.59 | 248 | 213222 | 52.307 | ng | | 98 |
| 67) Hexachlorobenzene | 16.71 | 284 | 221987 | 52.881 | ng | | 96 |
| 68) Atrazine | 16.86 | 200 | 228519 | 55.497 | ng | | 97 |
| 69) Pentachlorophenol | 17.06 | 266 | 110056 | 43.043 | ng | | 99 |
| 70) Phenanthrene | 17.45 | 178 | 890070 | 50.768 | ng | | 97 |
| 71) Anthracene | 17.54 | 178 | 904535 | 51.815 | ng | | 97 |
| 72) Carbazole | 17.81 | 167 | 846855 | 51.081 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.36 | 149 | 966756 | 49.346 | ng | # | 98 |
| 74) Fluoranthene | 19.45 | 202 | 1193266 | 50.529 | ng | | 96 |
| 76) Benzidine | 19.64 | 184 | 120863 | 11.708 | ng | | 98 |
| 77) Pyrene | 19.82 | 202 | 1196475 | 48.191 | ng | | 96 |
| 79) Butylbenzylphthalate | 20.70 | 149 | 463104 | 52.161 | ng | # | 94 |
| 80) Benzo(a)anthracene | 21.65 | 228 | 1223276 | 49.993 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 21.57 | 252 | 178037 | 20.868 | ng | # | 97 |
| 82) Chrysene | 21.72 | 228 | 1143052 | 50.411 | ng | | 96 |
| 83) Bis(2-ethylhexyl)phthalate | 21.55 | 149 | 636887 | 52.765 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 22.76 | 149 | 1091963 | 54.031 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 28.54 | 276 | 1338802 | 53.331 | ng | # | 93 |
| 87) Benzo(b)fluoranthene | 23.87 | 252 | 1179701 | 50.387 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 23.94 | 252 | 1154531 | 50.440 | ng | # | 96 |
| 89) Benzo(a)pyrene | 24.74 | 252 | 1152116 | 52.894 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 28.60 | 278 | 1118816 | 52.321 | ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 29.70 | 276 | 1110315 | 53.062 | ng | # | 94 |

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

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