Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092517\
Data File : BG028910.D
Acq On : 25 Sep 2017 16:34
Operator : SJ/JU
Sample : PB102294BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB102294BS

Quant Time: Sep 26 01:23:49 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 16:57:11 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.28 | 152 | 28931 | 20.00 | ng | | -0.05 |
| 21) Naphthalene-d8 | 11.10 | 136 | 120223 | 20.00 | ng | | -0.05 |
| 38) Acenaphthene-d10 | 14.90 | 164 | 89944 | 20.00 | ng | | -0.05 |
| 63) Phenanthrene-d10 | 17.65 | 188 | 248757 | 20.00 | ng | | -0.05 |
| 75) Chrysene-d12 | 21.97 | 240 | 295939 | 20.00 | ng | | -0.06 |
| 86) Perylene-d12 | 25.42 | 264 | 296400 | 20.00 | ng | | -0.11 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.85 | 112 | 248154 | 141.53 | ng | | -0.05 |
| 7) Phenol-d6 | 7.44 | 99 | 343990 | 130.31 | ng | | -0.05 |
| 23) Nitrobenzene-d5 | 9.45 | 82 | 209587 | 83.40 | ng | | -0.05 |
| 41) 2,4,6-Tribromophenol | 16.39 | 330 | 213360 | 143.42 | ng | | -0.05 |
| 44) 2-Fluorobiphenyl | 13.52 | 172 | 560821 | 83.14 | ng | | -0.05 |
| 78) Terphenyl-d14 | 20.23 | 244 | 1102186 | 79.42 | ng | | -0.05 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.77 | 88 | 21765 | 30.654 | ng | | 96 |
| 3) Pyridine | 4.16 | 79 | 60836 | 30.036 | ng | # | 86 |
| 4) n-Nitrosodimethylamine | 4.08 | 42 | 32887 | 35.695 | ng | # | 61 |
| 6) Aniline | 7.61 | 93 | 93503 | 30.434 | ng | | 97 |
| 8) 2-Chlorophenol | 7.85 | 128 | 73129 | 37.414 | ng | | 93 |
| 9) Benzaldehyde | 7.42 | 77 | 38452 | 23.478 | ng | | 86 |
| 10) Phenol | 7.47 | 94 | 107086 | 38.437 | ng | | 88 |
| 11) bis(2-Chloroethyl)ether | 7.69 | 93 | 69479 | 34.736 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 8.17 | 146 | 73676 | 35.006 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.31 | 146 | 75462 | 34.868 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.64 | 146 | 72700 | 34.002 | ng | | 97 |
| 15) Benzyl Alcohol | 8.52 | 79 | 66759 | 32.395 | ng | | 86 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.80 | 45 | 121389 | 33.392 | ng | | 99 |
| 17) 2-Methylphenol | 8.72 | 107 | 65825 | 36.157 | ng | | 94 |
| 18) Hexachloroethane | 9.36 | 117 | 27125 | 34.196 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 9.08 | 70 | 59002 | 31.529 | ng | # | 86 |
| 20) 3+4-Methylphenols | 9.05 | 107 | 92279 | 36.239 | ng | | 94 |
| 22) Acetophenone | 9.11 | 105 | 114257 | 32.503 | ng | # | 87 |
| 24) Nitrobenzene | 9.49 | 77 | 92865 | 33.370 | ng | # | 89 |
| 25) Isophorone | 10.01 | 82 | 165098 | 32.467 | ng | | 99 |
| 26) 2-Nitrophenol | 10.21 | 139 | 38635 | 32.620 | ng | # | 92 |
| 27) 2,4-Dimethylphenol | 10.25 | 122 | 74628 | 34.471 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 10.48 | 93 | 97508 | 35.310 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.75 | 162 | 78773 | 36.569 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.96 | 180 | 85237 | 34.687 | ng | | 98 |
| 31) Naphthalene | 11.15 | 128 | 218194 | 34.750 | ng | | 98 |
| 32) Benzoic acid | 10.39 | 122 | 30827 | 23.594 | ng | | 90 |
| 33) 4-Chloroaniline | 11.27 | 127 | 37712 | 14.337 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.42 | 225 | 60581 | 33.471 | ng | | 95 |
| 35) Caprolactam | 12.04 | 113 | 30265 | 39.180 | ng | # | 85 |
| 36) 4-Chloro-3-methylphenol | 12.37 | 107 | 98270 | 35.054 | ng | | 94 |
| 37) 2-Methylnaphthalene | 12.74 | 142 | 171063 | 36.490 | ng | | 94 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.10 | 216 | 112523 | 30.426 | ng | # | 94 |
| 40) Hexachlorocyclopentadiene | 13.07 | 237 | 103300 | 72.672 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.34 | 196 | 74313 | 31.660 | ng | | 94 |
| 43) 2,4,5-Trichlorophenol | 13.42 | 196 | 83483 | 35.396 | ng | | 96 |
| 45) 1,1'-Biphenyl | 13.73 | 154 | 230643 | 30.971 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.78 | 162 | 180921 | 33.308 | ng | | 99 |
| 47) 2-Nitroaniline | 13.99 | 65 | 73530 | 36.425 | ng | | 88 |
| 48) Acenaphthylene | 14.62 | 152 | 296264 | 34.140 | ng | | 96 |
| 49) Dimethylphthalate | 14.34 | 163 | 264224 | 35.032 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 14.47 | 165 | 60925 | 36.303 | ng | # | 80 |
| 51) Acenaphthene | 14.96 | 154 | 175834 | 33.356 | ng | | 95 |
| 52) 3-Nitroaniline | 14.81 | 138 | 42876 | 28.890 | ng | | 92 |
| 53) 2,4-Dinitrophenol | 15.02 | 184 | 62721 | 71.834 | ng | | 98 |
| 54) Dibenzofuran | 15.29 | 168 | 313900 | 37.340 | ng | | 93 |
| 55) 4-Nitrophenol | 15.12 | 139 | 79251 | 72.885 | ng | # | 71 |
| 56) 2,4-Dinitrotoluene | 15.26 | 165 | 91975 | 38.976 | ng | # | 88 |
| 57) Fluorene | 15.94 | 166 | 271366 | 36.158 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.52 | 232 | 84288 | 40.548 | ng | # | 95 |
| 59) Diethylphthalate | 15.69 | 149 | 284037 | 36.646 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.92 | 204 | 152862 | 35.769 | ng | | 92 |
| 61) 4-Nitroaniline | 15.97 | 138 | 62673 | 39.861 | ng | | 89 |
| 62) Azobenzene | 16.22 | 77 | 254442 | 39.033 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 16.03 | 198 | 57296 | 35.695 | ng | | 96 |
| 65) n-Nitrosodiphenylamine | 16.14 | 169 | 242406 | 33.993 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.82 | 248 | 110834 | 34.627 | ng | | 96 |
| 67) Hexachlorobenzene | 16.96 | 284 | 118140 | 32.429 | ng | # | 83 |
| 68) Atrazine | 17.08 | 200 | 106452 | 34.767 | ng | | 95 |
| 69) Pentachlorophenol | 17.30 | 266 | 113062 | 68.689 | ng | | 97 |
| 70) Phenanthrene | 17.69 | 178 | 468317 | 36.815 | ng | | 94 |
| 71) Anthracene | 17.78 | 178 | 470019 | 36.577 | ng | | 98 |
| 72) Carbazole | 18.05 | 167 | 432704 | 37.388 | ng | | 96 |
| 73) Di-n-butylphthalate | 18.58 | 149 | 511526 | 36.046 | ng | # | 94 |
| 74) Fluoranthene | 19.69 | 202 | 614833 | 39.584 | ng | | 92 |
| 76) Benzidine | 19.86 | 184 | 319344 | 41.612 | ng | | 94 |
| 77) Pyrene | 20.05 | 202 | 630664 | 36.946 | ng | | 97 |
| 79) Butylbenzylphthalate | 20.92 | 149 | 242863 | 35.228 | ng | | 90 |
| 80) Benzo(a)anthracene | 21.95 | 228 | 652675 | 36.639 | ng | | 96 |
| 81) 3,3'-Dichlorobenzidine | 21.85 | 252 | 165007 | 22.847 | ng | # | 96 |
| 82) Chrysene | 22.02 | 228 | 608086 | 35.977 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 21.80 | 149 | 339207 | 34.610 | ng | | 97 |
| 84) Di-n-octyl phthalate | 23.09 | 149 | 592460 | 34.598 | ng | # | 89 |
| 85) Indeno(1,2,3-cd)pyrene | 29.39 | 276 | 774564 | 35.667 | ng | # | 55 |
| 87) Benzo(b)fluoranthene | 24.32 | 252 | 655653 | 36.922 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 24.39 | 252 | 662849 | 37.369 | ng | | 95 |
| 89) Benzo(a)pyrene | 25.26 | 252 | 643915 | 38.202 | ng | | 95 |
| 90) Dibenzo(a,h)anthracene | 29.45 | 278 | 654784 | 37.260 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 30.65 | 276 | 637702 | 37.191 | ng | | 97 |

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

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