Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070117\
Data File : BG027809.D
Acq On : 2 Jul 2017 7:58
Operator : SJ/JU
Sample : I3979-05MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TP3-MH2095-COMPMSD

**Manual Integrations APPROVED**
mohammad
7/5/2017 11:32:00 AM

Quant Time: Jul 03 16:07:36 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 19:26:37 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.48 | 152 | 29189 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.30 | 136 | 147327 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.06 | 164 | 98900 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.81 | 188 | 243400 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.18 | 240 | 256143 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.78 | 264 | 232211 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.06 | 112 | 258020 | 136.12 | ng | | 0.00 |
| 7) Phenol-d6 | 7.62 | 99 | 352846 | 121.85 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.64 | 82 | 243175 | 92.00 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.55 | 330 | 236060 | 174.02 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.69 | 172 | 660018 | 95.31 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.39 | 244 | 1114397 | 102.00 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 4.06 | 88 | 20446 | 28.972 | ng | # | 90 |
| 3) Pyridine | 4.96 | 79 | 30494m | 14.033 | ng | | |
| 4) n-Nitrosodimethylamine | 4.35 | 42 | 40747 | 38.237 | ng | | 88 |
| 8) 2-Chlorophenol | 8.05 | 128 | 99922 | 47.175 | ng | | 90 |
| 9) Benzaldehyde | 7.62 | 77 | 27593 | 16.014 | ng | | 85 |
| 10) Phenol | 7.65 | 94 | 116687 | 40.729 | ng | | 84 |
| 11) bis(2-Chloroethyl)ether | 7.88 | 93 | 81063 | 37.250 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 8.36 | 146 | 88422 | 39.246 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 8.51 | 146 | 89313 | 38.258 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.83 | 146 | 89693 | 39.625 | ng | | 93 |
| 15) Benzyl Alcohol | 8.71 | 79 | 11378 | 5.680 | ng | | 88 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.99 | 45 | 176495 | 38.024 | ng | | 98 |
| 17) 2-Methylphenol | 8.90 | 107 | 90348 | 44.575 | ng | # | 87 |
| 18) Hexachloroethane | 9.57 | 117 | 30254 | 36.842 | ng | # | 83 |
| 19) n-Nitroso-di-n-propylamine | 9.27 | 70 | 81221 | 38.553 | ng | # | 97 |
| 20) 3+4-Methylphenols | 9.23 | 107 | 123211 | 42.153 | ng | | 89 |
| 22) Acetophenone | 9.29 | 105 | 150264 | 42.267 | ng | # | 91 |
| 24) Nitrobenzene | 9.69 | 77 | 112241 | 40.619 | ng | # | 83 |
| 25) Isophorone | 10.20 | 82 | 235216 | 40.828 | ng | # | 92 |
| 26) 2-Nitrophenol | 10.40 | 139 | 56165 | 44.999 | ng | # | 82 |
| 27) 2,4-Dimethylphenol | 10.44 | 122 | 105728 | 45.226 | ng | | 91 |
| 28) bis(2-Chloroethoxy)methane | 10.67 | 93 | 126721 | 38.797 | ng | # | 94 |
| 29) 2,4-Dichlorophenol | 10.94 | 162 | 107034 | 52.244 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 11.15 | 180 | 92424 | 44.233 | ng | | 97 |
| 31) Naphthalene | 11.34 | 128 | 327873 | 41.848 | ng | | 98 |
| 32) Benzoic acid | 10.56 | 122 | 23295 | 22.155 | ng | # | 77 |
| 33) 4-Chloroaniline | 11.73 | 127 | 16676m | 4.927 | ng | | |
| 34) Hexachlorobutadiene | 11.61 | 225 | 54638 | 46.930 | ng | | 100 |
| 35) Caprolactam | 12.25 | 113 | 37297m | 36.195 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.55 | 107 | 115973 | 40.228 | ng | | 92 |
| 37) 2-Methylnaphthalene | 12.92 | 142 | 265723 | 45.535 | ng | | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.28 | 216 | 121423 | 46.721 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 13.25 | 237 | 150387 | 122.732 | ng | | 96 |
| 42) 2,4,6-Trichlorophenol | 13.51 | 196 | 94635 | 50.417 | ng | | 91 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 13.59 | 196 | 101587 | 47.764 | ng | # | 95 |
| 45) 1,1'-Biphenyl | 13.90 | 154 | 354423 | 44.710 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.95 | 162 | 266971 | 44.582 | ng | | 98 |
| 47) 2-Nitroaniline | 14.15 | 65 | 105734 | 44.111 | ng | # | 81 |
| 48) Acenaphthylene | 14.79 | 152 | 461521 | 42.177 | ng | | 96 |
| 49) Dimethylphthalate | 14.50 | 163 | 387656 | 45.948 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 14.63 | 165 | 85669 | 46.711 | ng | # | 78 |
| 51) Acenaphthene | 15.13 | 154 | 285111 | 40.653 | ng | | 94 |
| 52) 3-Nitroaniline | 15.00 | 138 | 49921 | 23.137 | ng | # | 78 |
| 53) 2,4-Dinitrophenol | 15.17 | 184 | 109717 | 105.896 | ng | | 94 |
| 54) Dibenzofuran | 15.46 | 168 | 448942 | 48.411 | ng | | 98 |
| 55) 4-Nitrophenol | 15.28 | 139 | 107910 | 65.517 | ng | # | 63 |
| 56) 2,4-Dinitrotoluene | 15.41 | 165 | 125294 | 48.980 | ng | # | 89 |
| 57) Fluorene | 16.11 | 166 | 394291 | 43.852 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.68 | 232 | 89371m | 48.746 | ng | | |
| 59) Diethylphthalate | 15.86 | 149 | 429960 | 46.024 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 16.08 | 204 | 191490 | 48.109 | ng | | 93 |
| 61) 4-Nitroaniline | 16.14 | 138 | 62379 | 27.751 | ng | # | 72 |
| 62) Azobenzene | 16.38 | 77 | 365222 | 44.490 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 16.18 | 198 | 72715 | 47.897 | ng | | 81 |
| 65) n-Nitrosodiphenylamine | 16.31 | 169 | 341494 | 43.130 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.98 | 248 | 131876 | 51.803 | ng | | 94 |
| 67) Hexachlorobenzene | 17.11 | 284 | 135345 | 50.202 | ng | | 98 |
| 68) Atrazine | 17.29 | 200 | 13795 | 5.519 | ng | | 97 |
| 69) Pentachlorophenol | 17.46 | 266 | 154665 | 89.094 | ng | | 97 |
| 70) Phenanthrene | 17.86 | 178 | 639002 | 45.476 | ng | | 95 |
| 71) Anthracene | 17.95 | 178 | 633224 | 44.627 | ng | | 98 |
| 72) Carbazole | 18.22 | 167 | 516687 | 36.974 | ng | | 96 |
| 73) Di-n-butylphthalate | 18.73 | 149 | 712518 | 46.399 | ng | # | 93 |
| 74) Fluoranthene | 19.85 | 202 | 694427 | 45.219 | ng | | 96 |
| 76) Benzidine | 19.85 | 184 | 58 | 3.226 | ng | # | 1 |
| 77) Pyrene | 20.21 | 202 | 720145 | 44.800 | ng | | 94 |
| 79) Butylbenzylphthalate | 21.08 | 149 | 322416 | 44.534 | ng | # | 88 |
| 80) Benzo(a)anthracene | 22.15 | 228 | 696387 | 44.969 | ng | | 94 |
| 81) 3,3'-Dichlorobenzidine | 22.10 | 252 | 19447m | 3.460 | ng | | |
| 82) Chrysene | 22.23 | 228 | 651003 | 44.849 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 22.00 | 149 | 459174 | 43.401 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 23.35 | 149 | 772172 | 44.177 | ng | # | 90 |
| 85) Indeno(1,2,3-cd)pyrene | 29.94 | 276 | 754442 | 45.476 | ng | # | 66 |
| 87) Benzo(b)fluoranthene | 24.63 | 252 | 693120 | 46.330 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 24.71 | 252 | 684645 | 46.298 | ng | # | 93 |
| 89) Benzo(a)pyrene | 25.62 | 252 | 652155 | 46.457 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 30.02 | 278 | 625362 | 43.974 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 31.25 | 276 | 589180 | 43.109 | ng | # | 93 |

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

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