Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG090717\
Data File : BG028599.D
Acq On : 7 Sep 2017 18:34
Operator : SJ/JU
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ICVBG090717

Quant Time: Sep 07 19:22:30 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG090717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 07 18:39:50 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.34 | 152 | 40418 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.16 | 136 | 163741 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.95 | 164 | 110798 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.70 | 188 | 273342 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.03 | 240 | 317938 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.54 | 264 | 305156 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.92 | 112 | 184490 | 76.85 | ng | | 0.00 |
| 7) Phenol-d6 | 7.50 | 99 | 272501 | 78.26 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.51 | 82 | 283175 | 79.41 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.44 | 330 | 137887 | 81.88 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.57 | 172 | 675076 | 79.71 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.28 | 244 | 1202219 | 81.47 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.86 | 88 | 38603 | 39.314 | ng | | 95 |
| 3) Pyridine | 4.25 | 79 | 116489 | 38.205 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 4.16 | 42 | 54434 | 37.462 | ng | # | 74 |
| 6) Aniline | 7.67 | 93 | 173416 | 38.901 | ng | | 95 |
| 8) 2-Chlorophenol | 7.91 | 128 | 104198 | 38.453 | ng | | 98 |
| 9) Benzaldehyde | 7.48 | 77 | 78731 | 38.318 | ng | | 96 |
| 10) Phenol | 7.52 | 94 | 147644 | 39.147 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.75 | 93 | 105242 | 37.952 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 8.23 | 146 | 119680 | 37.715 | ng | | 90 |
| 13) 1,4-Dichlorobenzene | 8.38 | 146 | 122168 | 39.046 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.69 | 146 | 117625 | 38.256 | ng | | 96 |
| 15) Benzyl Alcohol | 8.57 | 79 | 105291 | 38.148 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.85 | 45 | 213837 | 37.401 | ng | | 97 |
| 17) 2-Methylphenol | 8.78 | 107 | 92835 | 38.381 | ng | | 95 |
| 18) Hexachloroethane | 9.42 | 117 | 44930 | 36.552 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 9.14 | 70 | 106608 | 38.722 | ng | | 91 |
| 20) 3+4-Methylphenols | 9.10 | 107 | 131893 | 39.383 | ng | | 96 |
| 22) Acetophenone | 9.16 | 105 | 181659 | 39.935 | ng | # | 91 |
| 24) Nitrobenzene | 9.55 | 77 | 151816 | 40.300 | ng | | 94 |
| 25) Isophorone | 10.07 | 82 | 261003 | 39.750 | ng | | 99 |
| 26) 2-Nitrophenol | 10.26 | 139 | 62778 | 40.183 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 10.31 | 122 | 111028 | 39.349 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.54 | 93 | 155358 | 39.647 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.80 | 162 | 112100 | 40.466 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 11.02 | 180 | 135158 | 39.651 | ng | | 98 |
| 31) Naphthalene | 11.21 | 128 | 349744 | 39.350 | ng | | 100 |
| 32) Benzoic acid | 10.46 | 122 | 75481 | 42.458 | ng | | 88 |
| 33) 4-Chloroaniline | 11.32 | 127 | 149343 | 39.859 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.48 | 225 | 97975 | 39.779 | ng | | 95 |
| 35) Caprolactam | 12.09 | 113 | 42195 | 40.240 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 12.42 | 107 | 141675 | 40.167 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.79 | 142 | 261274 | 39.868 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.15 | 216 | 173590 | 40.335 | ng | # | 96 |
| 40) Hexachlorocyclopentadiene | 13.12 | 237 | 62789 | 38.616 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.39 | 196 | 110542 | 40.210 | ng | | 93 |
| 43) 2,4,5-Trichlorophenol | 13.47 | 196 | 110830 | 40.343 | ng | | 94 |
| 45) 1,1'-Biphenyl | 13.78 | 154 | 369145 | 39.681 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.84 | 162 | 286315 | 40.521 | ng | | 99 |
| 47) 2-Nitroaniline | 14.04 | 65 | 113439 | 39.377 | ng | | 93 |
| 48) Acenaphthylene | 14.68 | 152 | 429737 | 39.658 | ng | | 97 |
| 49) Dimethylphthalate | 14.39 | 163 | 359046 | 39.330 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.52 | 165 | 80909 | 40.455 | ng | # | 80 |
| 51) Acenaphthene | 15.02 | 154 | 268426 | 40.449 | ng | | 93 |
| 52) 3-Nitroaniline | 14.86 | 138 | 80498 | 39.851 | ng | | 99 |
| 53) 2,4-Dinitrophenol | 15.07 | 184 | 45819 | 39.862 | ng | | 96 |
| 54) Dibenzofuran | 15.35 | 168 | 414856 | 40.444 | ng | | 92 |
| 55) 4-Nitrophenol | 15.17 | 139 | 58587 | 40.703 | ng | # | 80 |
| 56) 2,4-Dinitrotoluene | 15.31 | 165 | 117631 | 40.810 | ng | # | 96 |
| 57) Fluorene | 16.00 | 166 | 377365 | 40.246 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.57 | 232 | 98485 | 40.141 | ng | # | 95 |
| 59) Diethylphthalate | 15.74 | 149 | 382799 | 40.020 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 15.97 | 204 | 212803 | 40.184 | ng | | 92 |
| 61) 4-Nitroaniline | 16.02 | 138 | 88478 | 40.460 | ng | # | 84 |
| 62) Azobenzene | 16.27 | 77 | 334456 | 39.148 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 16.08 | 198 | 79947 | 41.183 | ng | | 91 |
| 65) n-Nitrosodiphenylamine | 16.19 | 169 | 323787 | 40.113 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.87 | 248 | 143653 | 40.473 | ng | | 95 |
| 67) Hexachlorobenzene | 17.01 | 284 | 158103 | 40.476 | ng | # | 89 |
| 68) Atrazine | 17.13 | 200 | 114714 | 39.399 | ng | | 97 |
| 69) Pentachlorophenol | 17.36 | 266 | 73508 | 40.434 | ng | | 94 |
| 70) Phenanthrene | 17.74 | 178 | 591041 | 40.661 | ng | | 95 |
| 71) Anthracene | 17.84 | 178 | 597250 | 40.404 | ng | | 98 |
| 72) Carbazole | 18.11 | 167 | 527805 | 39.911 | ng | | 94 |
| 73) Di-n-butylphthalate | 18.62 | 149 | 630127 | 39.238 | ng | # | 95 |
| 74) Fluoranthene | 19.74 | 202 | 745627 | 40.179 | ng | | 93 |
| 76) Benzidine | 19.91 | 184 | 249655 | 38.651 | ng | | 99 |
| 77) Pyrene | 20.10 | 202 | 764139 | 40.521 | ng | | 95 |
| 79) Butylbenzylphthalate | 20.97 | 149 | 293376 | 40.219 | ng | | 91 |
| 80) Benzo(a)anthracene | 22.01 | 228 | 762824 | 40.072 | ng | | 94 |
| 81) 3,3'-Dichlorobenzidine | 21.91 | 252 | 294672 | 40.287 | ng | | 99 |
| 82) Chrysene | 22.08 | 228 | 710711 | 39.589 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 21.86 | 149 | 411292 | 39.134 | ng | | 97 |
| 84) Di-n-octyl phthalate | 23.17 | 149 | 713731 | 39.621 | ng | # | 91 |
| 85) Indeno(1,2,3-cd)pyrene | 29.59 | 276 | 856816 | 40.287 | ng | # | 95 |
| 87) Benzo(b)fluoranthene | 24.42 | 252 | 757560 | 39.634 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 24.49 | 252 | 744288 | 40.327 | ng | | 94 |
| 89) Benzo(a)pyrene | 25.38 | 252 | 718624 | 40.083 | ng | | 95 |
| 90) Dibenzo(a,h)anthracene | 29.63 | 278 | 750477 | 40.342 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 30.85 | 276 | 732584 | 40.152 | ng | | 98 |

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

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