Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060719\
Data File : BG041111.D
Acq On : 7 Jun 2019 23:41
Operator : HP/JU
Sample : PB120405BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB120405BS

Manual Integrations APPROVED
mohammad
6/11/2019 8:54:28 AM

Quant Time: Jun 08 18:04:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 08 17:33:39 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 35978 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.93 | 136 | 151343 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.74 | 164 | 120332 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.48 | 188 | 316283 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.76 | 240 | 316323 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 25.08 | 264 | 337667 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 284703 | 142.69 | ng | 0.00 |
| 7) Phenol-d6 | 7.25 | 99 | 418595 | 135.85 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.28 | 82 | 278409 | 81.67 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.23 | 330 | 239279 | 133.94 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.36 | 172 | 685345 | 82.02 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.07 | 244 | 1284364 | 86.17 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.49 | 88 | 36560 | 40.381 | ng | 98 |
| 3) Pyridine | 3.91 | 79 | 100467 | 37.501 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 56763 | 45.653 | ng | 94 |
| 6) Aniline | 7.43 | 93 | 132859 | 32.302 | ng | 96 |
| 8) 2-Chlorophenol | 7.67 | 128 | 118337 | 49.749 | ng | 99 |
| 9) Benzaldehyde | 7.24 | 77 | 36567 | 19.893 | ng | 93 |
| 10) Phenol | 7.28 | 94 | 163688 | 49.544 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 7.52 | 93 | 106287 | 44.345 | ng | 94 |
| 12) 1,3-Dichlorobenzene | 7.99 | 146 | 119541 | 42.077 | ng | 95 |
| 13) 1,4-Dichlorobenzene | 8.14 | 146 | 122518 | 42.604 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.46 | 146 | 121188 | 43.403 | ng | 99 |
| 15) Benzyl Alcohol | 8.35 | 79 | 135067 | 47.385 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62 | 45 | 162012 | 41.366 | ng | 95 |
| 17) 2-Methylphenol | 8.54 | 107 | 114776 | 47.980 | ng | 98 |
| 18) Hexachloroethane | 9.19 | 117 | 47163 | 42.552 | ng | 99 |
| 19) n-Nitroso-di-n-propylamine | 8.91 | 70 | 100763 | 42.492 | ng | 98 |
| 20) 3+4-Methylphenols | 8.87 | 107 | 158951 | 47.969 | ng | 95 |
| 22) Acetophenone | 8.93 | 105 | 193250 | 45.520 | ng | 98 |
| 24) Nitrobenzene | 9.33 | 77 | 159895 | 46.024 | ng | 97 |
| 25) Isophorone | 9.84 | 82 | 297491 | 45.854 | ng | 98 |
| 26) 2-Nitrophenol | 10.03 | 139 | 71188 | 49.704 | ng | 95 |
| 27) 2,4-Dimethylphenol | 10.08 | 122 | 129605 | 54.791 | ng | 95 |
| 28) bis(2-Chloroethoxy)methane | 10.32 | 93 | 153734 | 43.904 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.57 | 162 | 147521 | 49.112 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.79 | 180 | 149032 | 43.614 | ng | 98 |
| 31) Naphthalene | 10.98 | 128 | 376344 | 46.315 | ng | 99 |
| 32) Benzoic acid | 10.23 | 122 | 80627 | 44.541 | ng | 95 |
| 33) 4-Chloroaniline | 11.09 | 127 | 90695 | 24.055 | ng | 98 |
| 34) Hexachlorobutadiene | 11.24 | 225 | 108370 | 41.448 | ng | 97 |
| 35) Caprolactam | 11.88 | 113 | 48615m | 49.011 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.20 | 107 | 170391 | 49.669 | ng | 96 |
| 37) 2-Methylnaphthalene | 12.57 | 142 | 295839 | 47.271 | ng | 100 |
| 38) 1-Methylnaphthalene | 12.80 | 142 | 280324 | 47.533 | ng | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 215104 | 44.351 | ng | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.90 | 237 | 278697 | 104.130 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.17 | 196 | 145233 | 46.289 | ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 13.25 | 196 | 160109 | 48.386 | ng | | 95 |
| 46) 1,1'-Biphenyl | 13.58 | 154 | 410688 | 46.107 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.62 | 162 | 340787 | 44.567 | ng | | 99 |
| 48) 2-Nitroaniline | 13.83 | 65 | 125680 | 45.814 | ng | | 95 |
| 49) Acenaphthylene | 14.46 | 152 | 531644 | 46.195 | ng | | 99 |
| 50) Dimethylphthalate | 14.19 | 163 | 458738 | 45.035 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.32 | 165 | 103131 | 46.958 | ng | | 97 |
| 52) Acenaphthene | 14.80 | 154 | 318530 | 45.688 | ng | | 97 |
| 53) 3-Nitroaniline | 14.65 | 138 | 69900 | 31.829 | ng | # | 97 |
| 54) 2,4-Dinitrophenol | 14.86 | 184 | 137968 | 105.977 | ng | | 98 |
| 55) Dibenzofuran | 15.13 | 168 | 554858 | 47.297 | ng | | 100 |
| 56) 4-Nitrophenol | 14.95 | 139 | 159903 | 106.152 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 15.10 | 165 | 149841 | 48.299 | ng | | 96 |
| 58) Fluorene | 15.78 | 166 | 439626 | 47.056 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.35 | 232 | 164579 | 50.610 | ng | | 97 |
| 60) Diethylphthalate | 15.54 | 149 | 478236 | 46.005 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.77 | 204 | 278488 | 45.860 | ng | | 96 |
| 62) 4-Nitroaniline | 15.82 | 138 | 103489 | 44.511 | ng | | 97 |
| 63) Azobenzene | 16.06 | 77 | 440933 | 46.669 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.86 | 198 | 91683 | 53.005 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.99 | 169 | 402168 | 45.233 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.66 | 248 | 180722 | 42.340 | ng | | 98 |
| 68) Hexachlorobenzene | 16.77 | 284 | 191026 | 42.029 | ng | | 98 |
| 69) Atrazine | 16.93 | 200 | 170837 | 49.797 | ng | | 97 |
| 70) Pentachlorophenol | 17.13 | 266 | 230736 | 93.979 | ng | | 99 |
| 71) Phenanthrene | 17.52 | 178 | 761365 | 46.214 | ng | | 99 |
| 72) Anthracene | 17.62 | 178 | 774006 | 47.636 | ng | | 99 |
| 73) Carbazole | 17.89 | 167 | 668891 | 47.977 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.42 | 149 | 781427 | 45.096 | ng | | 100 |
| 75) Fluoranthene | 19.53 | 202 | 984636 | 48.387 | ng | | 98 |
| 77) Benzidine | 19.71 | 184 | 408439 | 54.127 | ng | | 99 |
| 78) Pyrene | 19.89 | 202 | 974231 | 47.378 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.76 | 149 | 369158 | 46.132 | ng | | 100 |
| 81) Benzo(a)anthracene | 21.74 | 228 | 945366 | 44.897 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.66 | 252 | 220397 | 29.759 | ng | | 100 |
| 83) Chrysene | 21.81 | 228 | 925605 | 45.935 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.61 | 149 | 505120 | 44.840 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.85 | 149 | 858569 | 45.763 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.91 | 276 | 1128099 | 45.703 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 24.02 | 252 | 946075 | 46.194 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.09 | 252 | 938403 | 46.302 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.93 | 252 | 939565 | 48.084 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 28.98 | 278 | 921311 | 47.187 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.12 | 276 | 930973 | 49.079 | ng | | 99 |

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

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