Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121718\
Data File : BG038681.D
Acq On : 18 Dec 2018 3:36
Operator : JU/SJ
Sample : J6403-08MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TP-1-BMSD

**Manual Integrations APPROVED**
Sohil
12/18/2018 5:37:14 PM

Quant Time: Dec 18 05:08:51 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 20674 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.88 | 136 | 83619 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.70 | 164 | 53821 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.45 | 188 | 137905 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.73 | 240 | 137726 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.03 | 264 | 150488 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 170158 | 145.98 | ng | | 0.01 |
| 7) Phenol-d6 | 7.22 | 99 | 203178 | 126.97 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 9.24 | 82 | 166056 | 101.45 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.19 | 330 | 121019 | 163.15 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.32 | 172 | 383728 | 97.81 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.04 | 244 | 718989 | 113.61 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.50 | 88 | 21069 | 38.838 | ng | # | 1 |
| 3) Pyridine | 3.92 | 79 | 52428 | 35.102 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 39007 | 53.300 | ng | # | 84 |
| 6) Aniline | 7.39 | 93 | 28555 | 13.979 | ng | | 99 |
| 8) 2-Chlorophenol | 7.62 | 128 | 66488 | 49.291 | ng | | 98 |
| 9) Benzaldehyde | 7.20 | 77 | 19015 | 18.318 | ng | | 93 |
| 10) Phenol | 7.24 | 94 | 70008 | 41.181 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.48 | 93 | 60937 | 45.022 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.95 | 146 | 68580 | 43.000 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 69481 | 42.537 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.42 | 146 | 66633 | 43.270 | ng | | 96 |
| 15) Benzyl Alcohol | 8.30 | 79 | 62701 | 50.201 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 138900 | 44.799 | ng | | 99 |
| 17) 2-Methylphenol | 8.50 | 107 | 57748 | 50.701 | ng | | 98 |
| 18) Hexachloroethane | 9.14 | 117 | 25095 | 42.044 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 8.86 | 70 | 50255 | 44.716 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.83 | 107 | 77023 | 48.966 | ng | | 99 |
| 22) Acetophenone | 8.89 | 105 | 101465 | 48.580 | ng | # | 99 |
| 24) Nitrobenzene | 9.28 | 77 | 81115 | 48.988 | ng | | 97 |
| 25) Isophorone | 9.79 | 82 | 145801 | 49.578 | ng | | 99 |
| 26) 2-Nitrophenol | 9.99 | 139 | 38743 | 45.715 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 10.04 | 122 | 66765 | 54.969 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93 | 80491 | 48.500 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.52 | 162 | 73270 | 54.226 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.73 | 180 | 74189 | 45.455 | ng | | 97 |
| 31) Naphthalene | 10.93 | 128 | 204262 | 49.578 | ng | | 98 |
| 32) Benzoic acid | 10.19 | 122 | 26015m | 36.745 | ng | | |
| 33) 4-Chloroaniline | 11.06 | 127 | 4897 | 2.738 | ng | # | 86 |
| 34) Hexachlorobutadiene | 11.19 | 225 | 47656 | 43.152 | ng | | 94 |
| 35) Caprolactam | 11.83 | 113 | 17354m | 31.034 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.15 | 107 | 75689 | 49.086 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.53 | 142 | 154075 | 52.420 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.75 | 142 | 147261 | 51.631 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 92684 | 46.070 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.86 | 237 | 93867 | 84.926 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 13.13 | 196 | 65381 | 52.855 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.21 | 196 | 69415 | 53.001 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.53 | 154 | 203775 | 45.164 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.58 | 162 | 164546 | 47.212 | ng | | 96 |
| 48) 2-Nitroaniline | 13.79 | 65 | 56844 | 51.205 | ng | | 95 |
| 49) Acenaphthylene | 14.42 | 152 | 271616 | 52.131 | ng | | 100 |
| 50) Dimethylphthalate | 14.15 | 163 | 225019 | 51.196 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.28 | 165 | 50290 | 50.491 | ng | | 96 |
| 52) Acenaphthene | 14.76 | 154 | 154181 | 49.487 | ng | | 94 |
| 53) 3-Nitroaniline | 14.62 | 138 | 13109 | 12.911 | ng | # | 90 |
| 54) 2,4-Dinitrophenol | 14.82 | 184 | 34958 | 60.348 | ng | | 89 |
| 55) Dibenzofuran | 15.10 | 168 | 261923 | 49.044 | ng | | 99 |
| 56) 4-Nitrophenol | 14.91 | 139 | 63112 | 81.936 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 15.07 | 165 | 72440 | 51.637 | ng | | 94 |
| 58) Fluorene | 15.74 | 166 | 212666 | 53.748 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.32 | 232 | 64682 | 54.894 | ng | | 99 |
| 60) Diethylphthalate | 15.50 | 149 | 230607 | 47.794 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.73 | 204 | 118010 | 47.802 | ng | | 97 |
| 62) 4-Nitroaniline | 15.78 | 138 | 49815 | 47.656 | ng | | 97 |
| 63) Azobenzene | 16.03 | 77 | 200131 | 49.651 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.83 | 198 | 34064 | 34.627 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.95 | 169 | 197233 | 48.676 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.62 | 248 | 78872 | 46.830 | ng | | 94 |
| 68) Hexachlorobenzene | 16.74 | 284 | 81648 | 46.766 | ng | | 98 |
| 69) Atrazine | 16.89 | 200 | 81588 | 54.257 | ng | | 96 |
| 70) Pentachlorophenol | 17.09 | 266 | 74086 | 71.743 | ng | | 93 |
| 71) Phenanthrene | 17.49 | 178 | 371290 | 51.919 | ng | | 99 |
| 72) Anthracene | 17.58 | 178 | 377431 | 53.462 | ng | | 99 |
| 73) Carbazole | 17.85 | 167 | 340274 | 48.736 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.38 | 149 | 403541 | 50.370 | ng | | 100 |
| 75) Fluoranthene | 19.50 | 202 | 466714 | 52.747 | ng | | 97 |
| 77) Benzidine | 19.68 | 184 | 75379 | 18.506 | ng | | 96 |
| 78) Pyrene | 19.86 | 202 | 466608 | 51.284 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.73 | 149 | 180616 | 50.810 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.71 | 228 | 447084 | 53.273 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.62 | 252 | 61418 | 18.453 | ng | | 98 |
| 83) Chrysene | 21.77 | 228 | 414686 | 51.301 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 250611 | 49.709 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.80 | 149 | 426788 | 50.547 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 28.81 | 276 | 514308 | 54.118 | ng | # | 71 |
| 88) Benzo(b)fluoranthene | 23.97 | 252 | 442631 | 53.572 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.04 | 252 | 434777 | 52.844 | ng | | 96 |
| 90) Benzo(a)pyrene | 24.87 | 252 | 429180 | 53.842 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.87 | 278 | 427327 | 53.843 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.00 | 276 | 422249 | 53.986 | ng | | 97 |

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

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