Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121918\
Data File : BG038732.D
Acq On : 19 Dec 2018 18:25
Operator : JU/SJ
Sample : PB115792BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB115792BS

**Manual Integrations APPROVED**
Sohil
12/20/2018 1:06:38 PM

Quant Time: Dec 20 00:22:46 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 | 23833 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.87 | 136 | 93979 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.70 | 164 | 63182 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.44 | 188 | 160138 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.72 | 240 | 161639 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.02 | 264 | 172747 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 188531 | 140.30 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 256644 | 139.13 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.23 | 82 | 124562 | 67.71 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.19 | 330 | 128136 | 147.15 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.32 | 172 | 317849 | 69.01 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.04 | 244 | 633538 | 85.30 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.49 | 88 | 21937 | 35.078 | ng | | 95 |
| 3) Pyridine | 3.89 | 79 | 59644 | 34.640 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 36186 | 42.892 | ng | # | 90 |
| 6) Aniline | 7.39 | 93 | 71178 | 30.226 | ng | | 96 |
| 8) 2-Chlorophenol | 7.62 | 128 | 67178 | 43.201 | ng | | 96 |
| 9) Benzaldehyde | 7.20 | 77 | 21026 | 17.570 | ng | | 95 |
| 10) Phenol | 7.24 | 94 | 84373 | 43.052 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.48 | 93 | 55049 | 35.281 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 70590 | 38.393 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 71396 | 37.915 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 69252 | 39.010 | ng | | 98 |
| 15) Benzyl Alcohol | 8.30 | 79 | 61276 | 42.558 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.57 | 45 | 119762 | 33.507 | ng | | 97 |
| 17) 2-Methylphenol | 8.50 | 107 | 58117 | 44.262 | ng | | 98 |
| 18) Hexachloroethane | 9.13 | 117 | 25629 | 37.247 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 8.86 | 70 | 46875 | 36.180 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 79488 | 43.835 | ng | | 98 |
| 22) Acetophenone | 8.89 | 105 | 95678 | 40.759 | ng | # | 96 |
| 24) Nitrobenzene | 9.27 | 77 | 74188 | 39.865 | ng | | 98 |
| 25) Isophorone | 9.79 | 82 | 132827 | 40.187 | ng | | 99 |
| 26) 2-Nitrophenol | 9.98 | 139 | 39015 | 40.961 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 66936 | 49.035 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93 | 75925 | 40.705 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 10.52 | 162 | 72911 | 48.011 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.73 | 180 | 76609 | 41.764 | ng | | 97 |
| 31) Naphthalene | 10.93 | 128 | 203095 | 43.861 | ng | | 98 |
| 32) Benzoic acid | 10.18 | 122 | 28060m | 35.673 | ng | | |
| 33) 4-Chloroaniline | 11.04 | 127 | 49038 | 24.393 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.18 | 225 | 51145 | 41.206 | ng | | 97 |
| 35) Caprolactam | 11.82 | 113 | 24188 | 38.487 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 12.15 | 107 | 75101 | 43.336 | ng | | 94 |
| 37) 2-Methylnaphthalene | 12.52 | 142 | 154329 | 46.718 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.74 | 142 | 144169 | 44.975 | ng | | 93 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 95621 | 40.488 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.85 | 237 | 110106 | 84.859 | ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 13.13 | 196 | 64547 | 44.450 | ng | | 94 |
| 44) 2,4,5-Trichlorophenol | 13.20 | 196 | 71753 | 46.669 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.53 | 154 | 204822 | 38.670 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.57 | 162 | 165575 | 40.469 | ng | | 98 |
| 48) 2-Nitroaniline | 13.79 | 65 | 52781 | 40.501 | ng | | 92 |
| 49) Acenaphthylene | 14.42 | 152 | 271602 | 44.405 | ng | | 98 |
| 50) Dimethylphthalate | 14.14 | 163 | 214352 | 41.544 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.28 | 165 | 48979 | 41.889 | ng | | 96 |
| 52) Acenaphthene | 14.76 | 154 | 152965 | 41.823 | ng | | 99 |
| 53) 3-Nitroaniline | 14.61 | 138 | 36197 | 30.368 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.82 | 184 | 43061 | 63.067 | ng | | 98 |
| 55) Dibenzofuran | 15.09 | 168 | 261977 | 41.786 | ng | | 97 |
| 56) 4-Nitrophenol | 14.91 | 139 | 73024 | 80.759 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 15.06 | 165 | 70244 | 42.653 | ng | | 95 |
| 58) Fluorene | 15.74 | 166 | 210281 | 45.271 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.32 | 232 | 62763 | 45.373 | ng | | 100 |
| 60) Diethylphthalate | 15.50 | 149 | 221125 | 39.039 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.73 | 204 | 118564 | 40.911 | ng | | 100 |
| 62) 4-Nitroaniline | 15.78 | 138 | 51284 | 41.793 | ng | | 90 |
| 63) Azobenzene | 16.02 | 77 | 187655 | 39.658 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.82 | 198 | 42546 | 37.244 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 15.95 | 169 | 194499 | 41.337 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.62 | 248 | 80700 | 41.263 | ng | | 99 |
| 68) Hexachlorobenzene | 16.74 | 284 | 84546 | 41.703 | ng | | 96 |
| 69) Atrazine | 16.89 | 200 | 79899 | 45.757 | ng | | 96 |
| 70) Pentachlorophenol | 17.09 | 266 | 84023 | 70.069 | ng | | 99 |
| 71) Phenanthrene | 17.49 | 178 | 366478 | 44.132 | ng | | 99 |
| 72) Anthracene | 17.58 | 178 | 375703 | 45.829 | ng | | 99 |
| 73) Carbazole | 17.85 | 167 | 330625 | 40.779 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.38 | 149 | 382058 | 41.068 | ng | | 99 |
| 75) Fluoranthene | 19.49 | 202 | 457566 | 44.534 | ng | | 97 |
| 77) Benzidine | 19.67 | 184 | 188784 | 39.492 | ng | | 99 |
| 78) Pyrene | 19.86 | 202 | 460544 | 43.129 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.72 | 149 | 174013 | 41.711 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.70 | 228 | 445056 | 45.186 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.62 | 252 | 120409 | 30.824 | ng | | 99 |
| 83) Chrysene | 21.77 | 228 | 413488 | 43.585 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 242437 | 40.974 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.79 | 149 | 413894 | 41.768 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 28.80 | 276 | 506402 | 45.403 | ng | # | 76 |
| 88) Benzo(b)fluoranthene | 23.96 | 252 | 448571 | 47.295 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.03 | 252 | 430084 | 45.538 | ng | | 97 |
| 90) Benzo(a)pyrene | 24.86 | 252 | 434823 | 47.521 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.86 | 278 | 420216 | 46.124 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 29.99 | 276 | 417734 | 46.526 | ng | | 97 |

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

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