Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010919\
Data File : BG039044.D
Acq On : 10 Jan 2019 7:35
Operator : JU/SJ
Sample : K1006-02MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JC-03-010819-AMS

**Manual Integrations APPROVED**
Sohil
1/10/2019 3:15:28 PM

Quant Time: Jan 10 09:48:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 09 14:23:53 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.03 | 152 | 21345 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.84 | 136 | 97512 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.67 | 164 | 77154 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.42 | 188 | 212399 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.70 | 240 | 171637 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 24.99 | 264 | 192088 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.59 | 112 | 154755 | 137.53 | ng | 0.00 |
| 7) Phenol-d6 | 7.19 | 99 | 203635 | 125.75 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.21 | 82 | 148039 | 83.07 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.17 | 330 | 179094 | 138.48 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.29 | 172 | 433507 | 76.90 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.03 | 244 | 847206 | 91.31 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.46 | 88 | 12351 | 28.030 | ng | # 1 |
| 3) Pyridine | 3.88 | 79 | 38590 | 32.231 | ng | 93 |
| 4) n-Nitrosodimethylamine | 3.79 | 42 | 23851 | 44.269 | ng | 86 |
| 6) Aniline | 7.35 | 93 | 65557 | 33.710 | ng | 97 |
| 8) 2-Chlorophenol | 7.59 | 128 | 61746 | 46.552 | ng | 97 |
| 9) Benzaldehyde | 7.17 | 77 | 20101 | 21.525 | ng | 98 |
| 10) Phenol | 7.22 | 94 | 66854 | 41.179 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 7.45 | 93 | 51617 | 41.599 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.92 | 146 | 53488 | 33.658 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 8.06 | 146 | 56119 | 34.868 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.38 | 146 | 55572 | 36.213 | ng | 97 |
| 15) Benzyl Alcohol | 8.28 | 79 | 59041 | 48.415 | ng | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.55 | 45 | 99711 | 41.908 | ng | 98 |
| 17) 2-Methylphenol | 8.48 | 107 | 55412 | 49.154 | ng | 95 |
| 18) Hexachloroethane | 9.10 | 117 | 18460 | 33.761 | ng | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.83 | 70 | 47349 | 44.527 | ng | 96 |
| 20) 3+4-Methylphenols | 8.80 | 107 | 75671 | 47.081 | ng | 98 |
| 22) Acetophenone | 8.86 | 105 | 96925 | 38.062 | ng | # 99 |
| 24) Nitrobenzene | 9.25 | 77 | 71510 | 39.701 | ng | 99 |
| 25) Isophorone | 9.76 | 82 | 142968 | 46.575 | ng | 98 |
| 26) 2-Nitrophenol | 9.96 | 139 | 38923 | 39.951 | ng | 97 |
| 27) 2,4-Dimethylphenol | 10.01 | 122 | 66003 | 48.153 | ng | 92 |
| 28) bis(2-Chloroethoxy)methane | 10.24 | 93 | 79276 | 42.971 | ng | 97 |
| 29) 2,4-Dichlorophenol | 10.49 | 162 | 79719 | 46.816 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.70 | 180 | 69316 | 33.879 | ng | 100 |
| 31) Naphthalene | 10.90 | 128 | 189671 | 38.782 | ng | 100 |
| 32) Benzoic acid | 10.17 | 122 | 18444 | 27.020 | ng | 97 |
| 33) 4-Chloroaniline | 11.02 | 127 | 41133 | 18.796 | ng | 98 |
| 34) Hexachlorobutadiene | 11.16 | 225 | 45081 | 32.022 | ng | 95 |
| 35) Caprolactam | 11.81 | 113 | 20716m | 30.338 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 83881 | 46.056 | ng | 92 |
| 37) 2-Methylnaphthalene | 12.50 | 142 | 162848 | 44.412 | ng | 97 |
| 38) 1-Methylnaphthalene | 12.72 | 142 | 154793 | 43.982 | ng | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 103827 | 35.832 | ng | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.82 | 237 | 96065 | 60.381 ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.11 | 196 | 78334 | 42.954 ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.18 | 196 | 86552 | 44.905 ng | | 96 |
| 46) 1,1'-Biphenyl | 13.51 | 154 | 229880 | 37.602 ng | | 100 |
| 47) 2-Chloronaphthalene | 13.55 | 162 | 183900 | 37.172 ng | | 99 |
| 48) 2-Nitroaniline | 13.77 | 65 | 59623 | 43.019 ng | | 96 |
| 49) Acenaphthylene | 14.40 | 152 | 316336 | 42.541 ng | | 99 |
| 50) Dimethylphthalate | 14.12 | 163 | 278773 | 42.758 ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.26 | 165 | 62571 | 42.925 ng | | 97 |
| 52) Acenaphthene | 14.74 | 154 | 182798 | 40.915 ng | | 97 |
| 53) 3-Nitroaniline | 14.59 | 138 | 41722 | 28.215 ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.80 | 184 | 60101 | 69.706 ng | | 94 |
| 55) Dibenzofuran | 15.07 | 168 | 321380 | 40.730 ng | | 99 |
| 56) 4-Nitrophenol | 14.90 | 139 | 80972 | 76.103 ng | | 99 |
| 57) 2,4-Dinitrotoluene | 15.04 | 165 | 91025 | 43.526 ng | | 95 |
| 58) Fluorene | 15.72 | 166 | 266975 | 44.950 ng | | 94 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 82903 | 45.565 ng | | 98 |
| 60) Diethylphthalate | 15.47 | 149 | 292896 | 43.602 ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.70 | 204 | 152115 | 40.652 ng | | 100 |
| 62) 4-Nitroaniline | 15.76 | 138 | 61486 | 39.914 ng | | 97 |
| 63) Azobenzene | 16.00 | 77 | 218529 | 41.599 ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.81 | 198 | 51866 | 32.961 ng | | 91 |
| 66) n-Nitrosodiphenylamine | 15.93 | 169 | 249322 | 39.597 ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 16.60 | 248 | 106863 | 39.140 ng | | 94 |
| 68) Hexachlorobenzene | 16.72 | 284 | 114457 | 38.418 ng | | 98 |
| 69) Atrazine | 16.87 | 200 | 107533 | 40.201 ng | | 98 |
| 70) Pentachlorophenol | 17.07 | 266 | 109284 | 60.865 ng | | 95 |
| 71) Phenanthrene | 17.47 | 178 | 477413 | 42.525 ng | | 98 |
| 72) Anthracene | 17.56 | 178 | 484492 | 43.647 ng | | 99 |
| 73) Carbazole | 17.83 | 167 | 414831 | 37.857 ng | | 99 |
| 74) Di-n-butylphthalate | 18.36 | 149 | 492139 | 40.371 ng | | 99 |
| 75) Fluoranthene | 19.47 | 202 | 545254 | 39.177 ng | | 99 |
| 77) Benzidine | 19.66 | 184 | 125693 | 23.943 ng | | 99 |
| 78) Pyrene | 19.83 | 202 | 532515 | 48.684 ng | | 99 |
| 80) Butylbenzylphthalate | 20.70 | 149 | 180379 | 43.358 ng | | 97 |
| 81) Benzo(a)anthracene | 21.68 | 228 | 466636 | 44.661 ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.60 | 252 | 118481 | 27.831 ng | | 97 |
| 83) Chrysene | 21.75 | 228 | 433001 | 43.573 ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.54 | 149 | 248660 | 43.047 ng | | 96 |
| 85) Di-n-octyl phthalate | 22.76 | 149 | 429931 | 44.016 ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.74 | 276 | 553971 | 46.653 ng | # | 96 |
| 88) Benzo(b)fluoranthene | 23.93 | 252 | 471864 | 44.550 ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.00 | 252 | 466413 | 44.538 ng | | 100 |
| 90) Benzo(a)pyrene | 24.83 | 252 | 463200 | 45.245 ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 28.81 | 278 | 460172 | 45.190 ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.93 | 276 | 461013 | 45.730 ng | | 98 |

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

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