Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022619\
Data File : BG039599.D
Acq On : 26 Feb 2019 14:04
Operator : JU/SJ
Sample : PB117390BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB117390BS

**Manual Integrations APPROVED**
Sohil
2/27/2019 4:21:42 PM

Quant Time: Feb 27 02:55:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 29 15:41:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.17 | 152 | 52194 | 20.00 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.99 | 136 | 219256 | 20.00 | ng | -0.02 |
| 39) Acenaphthene-d10 | 14.79 | 164 | 147079 | 20.00 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.54 | 188 | 374143 | 20.00 | ng | -0.02 |
| 76) Chrysene-d12 | 21.83 | 240 | 389165 | 20.00 | ng | -0.02 |
| 87) Perylene-d12 | 25.20 | 264 | 364219 | 20.00 | ng | -0.04 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.72 | 112 | 481383 | 157.85 | ng | 0.00 |
| 7) Phenol-d6 | 7.32 | 99 | 669019 | 149.04 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.35 | 82 | 329331 | 93.83 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.28 | 330 | 265830 | 167.84 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 13.42 | 172 | 790938 | 77.14 | ng | -0.02 |
| 79) Terphenyl-d14 | 20.13 | 244 | 1461419 | 79.49 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.60 | 88 | 52156 | 39.098 | ng | 94 |
| 3) Pyridine | 4.00 | 79 | 141124 | 39.958 | ng | 94 |
| 4) n-Nitrosodimethylamine | 3.92 | 42 | 71800 | 40.650 | ng | 91 |
| 6) Aniline | 7.49 | 93 | 165020 | 29.349 | ng | 96 |
| 8) 2-Chlorophenol | 7.73 | 128 | 149677 | 44.901 | ng | 97 |
| 9) Benzaldehyde | 7.31 | 77 | 51096 | 19.361 | ng | 90 |
| 10) Phenol | 7.34 | 94 | 205280 | 43.869 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 7.58 | 93 | 145587 | 39.374 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 8.05 | 146 | 161294 | 39.942 | ng | 97 |
| 13) 1,4-Dichlorobenzene | 8.20 | 146 | 162283 | 40.319 | ng | 97 |
| 14) 1,2-Dichlorobenzene | 8.52 | 146 | 157193 | 40.342 | ng | 99 |
| 15) Benzyl Alcohol | 8.41 | 79 | 143150 | 40.619 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.68 | 45 | 279507 | 33.474 | ng | 97 |
| 17) 2-Methylphenol | 8.60 | 107 | 132359 | 43.710 | ng | 97 |
| 18) Hexachloroethane | 9.25 | 117 | 57065 | 41.209 | ng | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.97 | 70 | 117280 | 36.810 | ng | 90 |
| 20) 3+4-Methylphenols | 8.93 | 107 | 184159 | 44.164 | ng | 97 |
| 22) Acetophenone | 8.99 | 105 | 223829 | 38.004 | ng | 93 |
| 24) Nitrobenzene | 9.39 | 77 | 172531 | 45.503 | ng | 96 |
| 25) Isophorone | 9.90 | 82 | 327016 | 42.047 | ng | 100 |
| 26) 2-Nitrophenol | 10.10 | 139 | 85223 | 54.834 | ng | 97 |
| 27) 2,4-Dimethylphenol | 10.14 | 122 | 156879 | 49.863 | ng | 97 |
| 28) bis(2-Chloroethoxy)methane | 10.38 | 93 | 204036 | 42.592 | ng | 96 |
| 29) 2,4-Dichlorophenol | 10.63 | 162 | 166148 | 48.319 | ng | 93 |
| 30) 1,2,4-Trichlorobenzene | 10.84 | 180 | 163577 | 42.372 | ng | 99 |
| 31) Naphthalene | 11.04 | 128 | 461688 | 42.446 | ng | 99 |
| 32) Benzoic acid | 10.27 | 122 | 103930 | 49.987 | ng | 98 |
| 33) 4-Chloroaniline | 11.15 | 127 | 116350 | 23.070 | ng | 96 |
| 34) Hexachlorobutadiene | 11.30 | 225 | 104351 | 40.646 | ng | 94 |
| 35) Caprolactam | 11.93 | 113 | 55603m | 39.077 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.25 | 107 | 176677 | 44.428 | ng | 98 |
| 37) 2-Methylnaphthalene | 12.63 | 142 | 352559 | 43.762 | ng | 97 |
| 38) 1-Methylnaphthalene | 12.85 | 142 | 334481 | 43.071 | ng | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.99 | 216 | 192364 | 41.107 | ng | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.96 | 237 | 253579 | 99.443 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.22 | 196 | 135149 | 46.971 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.30 | 196 | 146317 | 48.520 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.63 | 154 | 469980 | 38.405 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.68 | 162 | 363774 | 39.515 | ng | | 98 |
| 48) 2-Nitroaniline | 13.88 | 65 | 125326 | 47.496 | ng | | 92 |
| 49) Acenaphthylene | 14.52 | 152 | 589822 | 42.461 | ng | | 99 |
| 50) Dimethylphthalate | 14.24 | 163 | 491954 | 41.415 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.37 | 165 | 111120 | 49.772 | ng | | 94 |
| 52) Acenaphthene | 14.86 | 154 | 358169 | 39.722 | ng | | 99 |
| 53) 3-Nitroaniline | 14.70 | 138 | 75327 | 33.443 | ng | # | 96 |
| 54) 2,4-Dinitrophenol | 14.90 | 184 | 132783 | 112.711 | ng | | 99 |
| 55) Dibenzofuran | 15.19 | 168 | 585378 | 40.491 | ng | | 99 |
| 56) 4-Nitrophenol | 15.00 | 139 | 205305 | 94.461 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 15.15 | 165 | 157315 | 54.126 | ng | | 88 |
| 58) Fluorene | 15.84 | 166 | 465099 | 43.156 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.41 | 232 | 145856 | 51.657 | ng | | 96 |
| 60) Diethylphthalate | 15.59 | 149 | 505906 | 41.192 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 15.82 | 204 | 249901 | 40.952 | ng | | 96 |
| 62) 4-Nitroaniline | 15.87 | 138 | 120774 | 48.443 | ng | | 96 |
| 63) Azobenzene | 16.11 | 77 | 444362 | 37.017 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.91 | 198 | 96433 | 59.667 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 16.04 | 169 | 436449 | 38.364 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.72 | 248 | 162999 | 39.270 | ng | | 92 |
| 68) Hexachlorobenzene | 16.83 | 284 | 169283 | 40.650 | ng | | 96 |
| 69) Atrazine | 16.98 | 200 | 180801 | 43.489 | ng | | 95 |
| 70) Pentachlorophenol | 17.18 | 266 | 225522 | 77.919 | ng | | 98 |
| 71) Phenanthrene | 17.58 | 178 | 803711 | 41.504 | ng | | 99 |
| 72) Anthracene | 17.67 | 178 | 823919 | 43.196 | ng | | 98 |
| 73) Carbazole | 17.94 | 167 | 743943 | 39.082 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.47 | 149 | 908949 | 40.930 | ng | | 99 |
| 75) Fluoranthene | 19.58 | 202 | 1000052 | 44.494 | ng | | 98 |
| 77) Benzidine | 19.76 | 184 | 342900 | 26.875 | ng | | 99 |
| 78) Pyrene | 19.94 | 202 | 1003670 | 41.428 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.81 | 149 | 427369 | 41.818 | ng | | 94 |
| 81) Benzo(a)anthracene | 21.81 | 228 | 983423 | 42.766 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.72 | 252 | 247439 | 29.020 | ng | | 98 |
| 83) Chrysene | 21.88 | 228 | 912513 | 41.686 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.67 | 149 | 592555 | 40.642 | ng | # | 99 |
| 85) Di-n-octyl phthalate | 22.93 | 149 | 993233 | 41.235 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 29.09 | 276 | 1081540 | 46.050 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 24.11 | 252 | 952876 | 47.973 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.19 | 252 | 907777 | 45.521 | ng | | 99 |
| 90) Benzo(a)pyrene | 25.04 | 252 | 926374 | 48.427 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.16 | 278 | 882412 | 49.256 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 30.31 | 276 | 893097 | 50.016 | ng | | 100 |

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

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