Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG030518\
Data File : BG032995.D
Acq On : 5 Mar 2018 18:29
Operator : SJ/JU
Sample : PB107049BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB107049BS

**Manual Integrations APPROVED**
Sohil
3/6/2018 4:26:30 PM

Quant Time: Mar 06 02:13:55 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 01 17:38:52 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.91 | 152 | 58293 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 11.80 | 136 | 259056 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.53 | 164 | 155042 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 18.26 | 188 | 340916 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.61 | 240 | 304821 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 26.40 | 264 | 327726 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.33 | 112 | 444774 | 122.07 | ng | | 0.00 |
| 7) Phenol-d6 | 8.01 | 99 | 598594 | 117.86 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 10.11 | 82 | 354688 | 93.85 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 17.00 | 330 | 198925 | 122.02 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 14.16 | 172 | 775572 | 72.15 | ng | | -0.01 |
| 78) Terphenyl-d14 | 20.77 | 244 | 1091122 | 80.42 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.96 | 88 | 50912 | 32.196 | ng | | 95 |
| 3) Pyridine | 4.42 | 79 | 139453 | 31.996 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 4.32 | 42 | 82811 | 47.390 | ng | # | 84 |
| 6) Aniline | 8.20 | 93 | 88579 | 12.885 | ng | | 97 |
| 8) 2-Chlorophenol | 8.46 | 128 | 167190 | 41.921 | ng | | 96 |
| 9) Benzaldehyde | 8.01 | 77 | 57624 | 19.686 | ng | | 99 |
| 10) Phenol | 8.04 | 94 | 218529 | 42.684 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 8.29 | 93 | 150201 | 35.879 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 8.80 | 146 | 164462 | 35.208 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.95 | 146 | 165802 | 35.262 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 9.29 | 146 | 156542 | 34.743 | ng | | 95 |
| 15) Benzyl Alcohol | 9.15 | 79 | 147909 | 39.615 | ng | | 89 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.44 | 45 | 289761 | 40.263 | ng | | 99 |
| 17) 2-Methylphenol | 9.34 | 107 | 146931 | 38.920 | ng | | 96 |
| 18) Hexachloroethane | 10.04 | 117 | 60301 | 37.666 | ng | # | 84 |
| 19) n-Nitroso-di-n-propylamine | 9.72 | 70 | 128374 | 35.804 | ng | # | 90 |
| 20) 3+4-Methylphenols | 9.67 | 107 | 204498 | 38.958 | ng | | 93 |
| 22) Acetophenone | 9.76 | 105 | 235547 | 36.003 | ng | # | 98 |
| 24) Nitrobenzene | 10.16 | 77 | 182000 | 44.578 | ng | | 94 |
| 25) Isophorone | 10.68 | 82 | 348657 | 38.345 | ng | | 95 |
| 26) 2-Nitrophenol | 10.88 | 139 | 85113 | 55.305 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 10.91 | 122 | 180259 | 45.635 | ng | | 91 |
| 28) bis(2-Chloroethoxy)methane | 11.15 | 93 | 212612 | 40.138 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 11.42 | 162 | 157305 | 43.879 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 11.65 | 180 | 147278 | 35.047 | ng | | 97 |
| 31) Naphthalene | 11.85 | 128 | 505110 | 37.314 | ng | | 98 |
| 32) Benzoic acid | 11.01 | 122 | 107631 | 45.034 | ng | | 89 |
| 33) 4-Chloroaniline | 11.94 | 127 | 80827 | 13.354 | ng | | 96 |
| 34) Hexachlorobutadiene | 12.11 | 225 | 82233 | 34.886 | ng | | 99 |
| 35) Caprolactam | 12.68 | 113 | 62377 | 43.454 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 12.99 | 107 | 190035 | 45.551 | ng | | 93 |
| 37) 2-Methylnaphthalene | 13.40 | 142 | 374975 | 38.288 | ng | | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.75 | 216 | 157700 | 34.264 | ng | # | 96 |
| 40) Hexachlorocyclopentadiene | 13.73 | 237 | 195676 | 83.423 | ng | | 95 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.97 | 196 | 121712 | 41.934 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 14.04 | 196 | 133626 | 39.778 | ng | # | 95 |
| 45) 1,1'-Biphenyl | 14.37 | 154 | 475073 | 35.065 | ng | | 96 |
| 46) 2-Chloronaphthalene | 14.43 | 162 | 357663 | 35.340 | ng | | 98 |
| 47) 2-Nitroaniline | 14.61 | 65 | 131418 | 50.775 | ng | | 94 |
| 48) Acenaphthylene | 15.26 | 152 | 592691 | 35.770 | ng | | 99 |
| 49) Dimethylphthalate | 14.95 | 163 | 470060 | 35.707 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 15.08 | 165 | 105090 | 48.187 | ng | | 93 |
| 51) Acenaphthene | 15.60 | 154 | 400081 | 38.771 | ng | | 97 |
| 52) 3-Nitroaniline | 15.41 | 138 | 61973 | 26.921 | ng | # | 85 |
| 53) 2,4-Dinitrophenol | 15.61 | 184 | 79936 | 104.127 | ng | # | 40 |
| 54) Dibenzofuran | 15.92 | 168 | 554612 | 37.746 | ng | | 95 |
| 55) 4-Nitrophenol | 15.68 | 139 | 173659 | 80.506 | ng | | 85 |
| 56) 2,4-Dinitrotoluene | 15.85 | 165 | 147226 | 55.476 | ng | # | 88 |
| 57) Fluorene | 16.56 | 166 | 445385 | 36.726 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 16.13 | 232 | 113912m | 43.676 | ng | | |
| 59) Diethylphthalate | 16.29 | 149 | 507420 | 36.544 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 16.54 | 204 | 219646 | 37.024 | ng | | 91 |
| 61) 4-Nitroaniline | 16.56 | 138 | 107930 | 38.989 | ng | | 84 |
| 62) Azobenzene | 16.83 | 77 | 471650 | 37.970 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 16.61 | 198 | 63211 | 58.480 | ng | | 95 |
| 65) n-Nitrosodiphenylamine | 16.75 | 169 | 411945 | 37.144 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 17.43 | 248 | 131494 | 36.477 | ng | # | 86 |
| 67) Hexachlorobenzene | 17.56 | 284 | 135758 | 34.849 | ng | # | 90 |
| 68) Atrazine | 17.66 | 200 | 141730 | 38.824 | ng | | 96 |
| 69) Pentachlorophenol | 17.89 | 266 | 181133 | 73.819 | ng | | 100 |
| 70) Phenanthrene | 18.30 | 178 | 707455 | 37.196 | ng | | 99 |
| 71) Anthracene | 18.39 | 178 | 728424 | 38.148 | ng | | 99 |
| 72) Carbazole | 18.64 | 167 | 676730 | 35.956 | ng | # | 97 |
| 73) Di-n-butylphthalate | 19.14 | 149 | 859668 | 37.232 | ng | | 99 |
| 74) Fluoranthene | 20.25 | 202 | 785920 | 37.407 | ng | | 94 |
| 76) Benzidine | 20.40 | 184 | 113916 | 10.964 | ng | | 97 |
| 77) Pyrene | 20.61 | 202 | 785261 | 36.530 | ng | | 97 |
| 79) Butylbenzylphthalate | 21.46 | 149 | 398446 | 41.807 | ng | | 92 |
| 80) Benzo(a)anthracene | 22.59 | 228 | 748628 | 38.299 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 22.47 | 252 | 120691 | 16.671 | ng | # | 96 |
| 82) Chrysene | 22.66 | 228 | 696814 | 37.319 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 22.42 | 149 | 569552 | 40.372 | ng | | 96 |
| 84) Di-n-octyl phthalate | 23.83 | 149 | 981098 | 45.625 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 30.82 | 276 | 802414 | 36.849 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 25.18 | 252 | 735697 | 37.967 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 25.26 | 252 | 733255 | 38.075 | ng | # | 96 |
| 89) Benzo(a)pyrene | 26.23 | 252 | 719864 | 39.058 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 30.90 | 278 | 636881 | 34.330 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 32.22 | 276 | 673660 | 36.837 | ng | # | 92 |

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

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