Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021119\
Data File : BG039449.D
Acq On : 12 Feb 2019 00:43
Operator : JU/SJ
Sample : PB116987BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB116987BS

**Manual Integrations APPROVED**
Sohil
2/12/2019 12:07:50 PM

Quant Time: Feb 12 04:31:20 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 | 51947 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.99 | 136 | 245209 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.80 | 164 | 173699 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.53 | 188 | 408962 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.83 | 240 | 402923 | 20.00 | ng | | -0.02 |
| 87) Perylene-d12 | 25.21 | 264 | 414995 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.71 | 112 | 295611 | 97.40 | ng | | 0.00 |
| 7) Phenol-d6 | 7.31 | 99 | 421613 | 94.37 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.35 | 82 | 236048 | 60.14 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.28 | 330 | 165137 | 88.29 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.42 | 172 | 628308 | 51.89 | ng | | -0.02 |
| 79) Terphenyl-d14 | 20.13 | 244 | 968394 | 50.87 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.60 | 88 | 29669 | 22.347 | ng | | 94 |
| 3) Pyridine | 4.00 | 79 | 82004 | 23.329 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.92 | 42 | 44201 | 25.144 | ng | | 81 |
| 6) Aniline | 7.50 | 93 | 57221 | 10.225 | ng | | 99 |
| 8) 2-Chlorophenol | 7.73 | 128 | 106981 | 32.245 | ng | | 94 |
| 9) Benzaldehyde | 7.31 | 77 | 43772 | 16.090 | ng | | 97 |
| 10) Phenol | 7.34 | 94 | 147002 | 31.564 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.58 | 93 | 97645 | 26.534 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 8.06 | 146 | 100845 | 25.091 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 8.21 | 146 | 105261 | 26.276 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.52 | 146 | 101796 | 26.249 | ng | | 98 |
| 15) Benzyl Alcohol | 8.41 | 79 | 99510 | 28.371 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.69 | 45 | 185601 | 22.333 | ng | | 98 |
| 17) 2-Methylphenol | 8.60 | 107 | 95115 | 31.560 | ng | | 93 |
| 18) Hexachloroethane | 9.26 | 117 | 35172 | 25.520 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.97 | 70 | 81175 | 25.599 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.92 | 107 | 130468 | 31.437 | ng | | 97 |
| 22) Acetophenone | 9.00 | 105 | 156952 | 23.829 | ng | # | 94 |
| 24) Nitrobenzene | 9.39 | 77 | 122714 | 28.939 | ng | | 98 |
| 25) Isophorone | 9.90 | 82 | 236808 | 27.225 | ng | | 98 |
| 26) 2-Nitrophenol | 10.10 | 139 | 56884 | 37.342 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 10.14 | 122 | 113833 | 32.352 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 10.39 | 93 | 146467 | 27.339 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.63 | 162 | 119429 | 31.056 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.84 | 180 | 114795 | 26.589 | ng | | 100 |
| 31) Naphthalene | 11.04 | 128 | 329854 | 27.116 | ng | | 99 |
| 32) Benzoic acid | 10.22 | 122 | 26920m | 18.509 | ng | | |
| 33) 4-Chloroaniline | 11.15 | 127 | 52204 | 9.255 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.31 | 225 | 70735 | 24.636 | ng | | 91 |
| 35) Caprolactam | 11.92 | 113 | 41848 | 26.298 | ng | # | 85 |
| 36) 4-Chloro-3-methylphenol | 12.25 | 107 | 131926 | 29.664 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.64 | 142 | 261495 | 29.023 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.85 | 142 | 249923 | 28.776 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.99 | 216 | 142967 | 25.869 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.96 | 237 | 179116 | 59.477 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.23 | 196 | 102921 | 30.288 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.30 | 196 | 110882 | 31.134 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.63 | 154 | 358912 | 24.834 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.68 | 162 | 279613 | 25.718 | ng | | 97 |
| 48) 2-Nitroaniline | 13.88 | 65 | 91663 | 32.573 | ng | | 98 |
| 49) Acenaphthylene | 14.52 | 152 | 451281 | 27.509 | ng | | 99 |
| 50) Dimethylphthalate | 14.24 | 163 | 377920 | 26.939 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.37 | 165 | 84425 | 34.359 | ng | | 95 |
| 52) Acenaphthene | 14.86 | 154 | 280798 | 26.369 | ng | | 99 |
| 53) 3-Nitroaniline | 14.70 | 138 | 43334 | 19.262 | ng | # | 91 |
| 54) 2,4-Dinitrophenol | 14.90 | 184 | 15273 | 21.335 | ng | | 93 |
| 55) Dibenzofuran | 15.19 | 168 | 451899 | 26.468 | ng | | 98 |
| 56) 4-Nitrophenol | 14.99 | 139 | 131568 | 53.907 | ng | | 87 |
| 57) 2,4-Dinitrotoluene | 15.15 | 165 | 112324 | 35.818 | ng | # | 84 |
| 58) Fluorene | 15.84 | 166 | 358384 | 28.158 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.41 | 232 | 110733 | 33.207 | ng | | 95 |
| 60) Diethylphthalate | 15.59 | 149 | 374789 | 25.839 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.83 | 204 | 190282 | 26.403 | ng | | 96 |
| 62) 4-Nitroaniline | 15.86 | 138 | 81087 | 29.353 | ng | | 95 |
| 63) Azobenzene | 16.12 | 77 | 338664 | 23.889 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.91 | 198 | 21068 | 18.922 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 16.04 | 169 | 325541 | 26.179 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 16.72 | 248 | 123168 | 27.148 | ng | | 94 |
| 68) Hexachlorobenzene | 16.83 | 284 | 125224 | 27.510 | ng | | 96 |
| 69) Atrazine | 16.98 | 200 | 122551 | 26.968 | ng | | 96 |
| 70) Pentachlorophenol | 17.18 | 266 | 111016 | 35.091 | ng | | 98 |
| 71) Phenanthrene | 17.58 | 178 | 583318 | 27.558 | ng | | 99 |
| 72) Anthracene | 17.67 | 178 | 590634 | 28.329 | ng | | 99 |
| 73) Carbazole | 17.94 | 167 | 504430 | 24.243 | ng | | 97 |
| 74) Di-n-butylphthalate | 18.47 | 149 | 598738 | 24.665 | ng | | 99 |
| 75) Fluoranthene | 19.58 | 202 | 679044 | 27.640 | ng | | 99 |
| 77) Benzidine | 19.76 | 184 | 148670 | 11.254 | ng | | 98 |
| 78) Pyrene | 19.94 | 202 | 678449 | 27.048 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.81 | 149 | 274182 | 25.913 | ng | | 92 |
| 81) Benzo(a)anthracene | 21.81 | 228 | 665669 | 27.959 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.72 | 252 | 106216 | 12.032 | ng | | 98 |
| 83) Chrysene | 21.88 | 228 | 615469 | 27.156 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 21.68 | 149 | 384135 | 25.447 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.95 | 149 | 663218 | 26.594 | ng | | 95 |
| 86) Indeno(1,2,3-cd)pyrene | 29.10 | 276 | 735675 | 30.254 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 24.13 | 252 | 645925 | 28.540 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.20 | 252 | 627470 | 27.615 | ng | | 98 |
| 90) Benzo(a)pyrene | 25.05 | 252 | 624913 | 28.671 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.17 | 278 | 596902 | 29.242 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.32 | 276 | 610796 | 30.021 | ng | | 97 |

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

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