Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
Data File : BG038791.D
Acq On : 21 Dec 2018 18:09
Operator : JU/SJ
Sample : PB115909BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB115909BSD

**Manual Integrations APPROVED**
Sohil
12/26/2018 3:17:28 PM

Quant Time: Dec 22 01:48:23 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 | 22194 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.88 | 136 | 90509 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.70 | 164 | 65323 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.44 | 188 | 171849 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.73 | 240 | 173722 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.03 | 264 | 181040 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 145974 | 116.66 | ng | | 0.00 |
| 7) Phenol-d6 | 7.22 | 99 | 196514 | 114.40 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 9.23 | 82 | 102266 | 57.72 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.19 | 330 | 116851 | 129.80 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.32 | 172 | 277969 | 58.38 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.04 | 244 | 612391 | 76.72 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.49 | 88 | 22135 | 38.008 | ng | | 98 |
| 3) Pyridine | 3.89 | 79 | 48070 | 29.980 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 30593 | 38.940 | ng | # | 92 |
| 6) Aniline | 7.38 | 93 | 62862 | 28.666 | ng | | 99 |
| 8) 2-Chlorophenol | 7.62 | 128 | 61224 | 42.280 | ng | | 98 |
| 9) Benzaldehyde | 7.20 | 77 | 18117 | 16.258 | ng | | 92 |
| 10) Phenol | 7.24 | 94 | 78466 | 42.995 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.48 | 93 | 50290 | 34.611 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 64322 | 37.568 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 67184 | 38.313 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 63219 | 38.242 | ng | | 96 |
| 15) Benzyl Alcohol | 8.30 | 79 | 54512 | 40.656 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 105550 | 31.712 | ng | | 96 |
| 17) 2-Methylphenol | 8.50 | 107 | 52982 | 43.331 | ng | | 98 |
| 18) Hexachloroethane | 9.13 | 117 | 22185 | 34.623 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 8.86 | 70 | 40901 | 33.901 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.83 | 107 | 72379 | 42.862 | ng | | 98 |
| 22) Acetophenone | 8.89 | 105 | 88490 | 39.142 | ng | # | 96 |
| 24) Nitrobenzene | 9.28 | 77 | 65774 | 36.699 | ng | | 98 |
| 25) Isophorone | 9.79 | 82 | 119159 | 37.434 | ng | | 99 |
| 26) 2-Nitrophenol | 9.99 | 139 | 35959 | 39.200 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 63786 | 48.519 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93 | 66820 | 37.197 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.52 | 162 | 69260 | 47.356 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.73 | 180 | 72559 | 41.072 | ng | | 96 |
| 31) Naphthalene | 10.93 | 128 | 188760 | 42.328 | ng | | 99 |
| 32) Benzoic acid | 10.19 | 122 | 33818m | 42.087 | ng | | |
| 33) 4-Chloroaniline | 11.04 | 127 | 50878 | 26.279 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.19 | 225 | 47963 | 40.124 | ng | | 97 |
| 35) Caprolactam | 11.83 | 113 | 23557 | 38.920 | ng | | 91 |
| 36) 4-Chloro-3-methylphenol | 12.15 | 107 | 72816 | 43.628 | ng | | 91 |
| 37) 2-Methylnaphthalene | 12.53 | 142 | 143932 | 45.241 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.75 | 142 | 138274 | 44.790 | ng | | 96 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 91231 | 37.363 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.85 | 237 | 100676 | 75.048 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 13.13 | 196 | 65467 | 43.606 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.21 | 196 | 71052 | 44.699 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.53 | 154 | 195187 | 35.643 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.58 | 162 | 162888 | 38.507 | ng | | 98 |
| 48) 2-Nitroaniline | 13.79 | 65 | 51732 | 38.395 | ng | | 92 |
| 49) Acenaphthylene | 14.42 | 152 | 265407 | 41.970 | ng | | 99 |
| 50) Dimethylphthalate | 14.15 | 163 | 211150 | 39.582 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.28 | 165 | 48521 | 40.137 | ng | | 91 |
| 52) Acenaphthene | 14.76 | 154 | 151472 | 40.057 | ng | | 96 |
| 53) 3-Nitroaniline | 14.62 | 138 | 39535 | 32.082 | ng | # | 92 |
| 54) 2,4-Dinitrophenol | 14.82 | 184 | 48627 | 68.407 | ng | | 95 |
| 55) Dibenzofuran | 15.09 | 168 | 262738 | 40.534 | ng | | 96 |
| 56) 4-Nitrophenol | 14.92 | 139 | 73892 | 79.040 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 15.07 | 165 | 71426 | 41.949 | ng | | 92 |
| 58) Fluorene | 15.74 | 166 | 216492 | 45.081 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.32 | 232 | 68405 | 47.831 | ng | | 97 |
| 60) Diethylphthalate | 15.50 | 149 | 219742 | 37.524 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.73 | 204 | 122937 | 41.029 | ng | | 97 |
| 62) 4-Nitroaniline | 15.78 | 138 | 52241 | 41.177 | ng | | 94 |
| 63) Azobenzene | 16.02 | 77 | 184865 | 37.788 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylphenol | 15.83 | 198 | 42800 | 34.914 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 15.95 | 169 | 199006 | 39.413 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.63 | 248 | 84801 | 40.405 | ng | | 96 |
| 68) Hexachlorobenzene | 16.74 | 284 | 88887 | 40.856 | ng | | 94 |
| 69) Atrazine | 16.89 | 200 | 81094 | 43.277 | ng | | 98 |
| 70) Pentachlorophenol | 17.09 | 266 | 90244 | 70.128 | ng | | 97 |
| 71) Phenanthrene | 17.49 | 178 | 375850 | 42.176 | ng | | 99 |
| 72) Anthracene | 17.58 | 178 | 384935 | 43.755 | ng | | 99 |
| 73) Carbazole | 17.85 | 167 | 337777 | 38.822 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.38 | 149 | 386058 | 38.670 | ng | | 99 |
| 75) Fluoranthene | 19.49 | 202 | 462003 | 41.901 | ng | | 97 |
| 77) Benzidine | 19.68 | 184 | 204884 | 39.879 | ng | | 99 |
| 78) Pyrene | 19.86 | 202 | 463416 | 40.379 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.73 | 149 | 172030 | 38.367 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.71 | 228 | 452687 | 42.764 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.62 | 252 | 131207 | 31.252 | ng | | 98 |
| 83) Chrysene | 21.78 | 228 | 422509 | 41.438 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 238677 | 37.533 | ng | | 97 |
| 85) Di-n-octyl phthalate | 22.80 | 149 | 407417 | 38.255 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.82 | 276 | 500215 | 41.729 | ng | # | 76 |
| 88) Benzo(b)fluoranthene | 23.98 | 252 | 443827 | 44.651 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.04 | 252 | 433691 | 43.816 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.87 | 252 | 436390 | 45.508 | ng | # | 97 |
| 91) Dibenzo(a,h)anthracene | 28.88 | 278 | 415262 | 43.493 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.02 | 276 | 407301 | 43.286 | ng | | 98 |

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

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