Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021219\
Data File : BM018801.D
Acq On : 13 Feb 2019 11:57
Operator : JU/SJ
Sample : PB117038BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB117038BSD

**Manual Integrations APPROVED**
Sohil
2/13/2019 1:37:45 PM

Quant Time: Feb 13 13:03:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 11 16:02:12 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.71 | 152 | 288697 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.50 | 136 | 1242784 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.36 | 164 | 741715 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.12 | 188 | 1697411 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.31 | 240 | 1847288 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 23.56 | 264 | 1752659 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.30 | 112 | 1403692 | 79.67 | ng | | 0.00 |
| 7) Phenol-d6 | 6.89 | 99 | 2061867 | 83.07 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.88 | 82 | 2198494 | 81.80 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.86 | 330 | 885554 | 82.83 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.97 | 172 | 4459421 | 79.81 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.75 | 244 | 8157780 | 91.10 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.25 | 88 | 315608 | 41.125 | ng | | 99 |
| 3) Pyridine | 3.65 | 79 | 966547 | 46.173 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.57 | 42 | 267340 | 50.202 | ng | | 95 |
| 6) Aniline | 7.05 | 93 | 1420382 | 46.703 | ng | | 99 |
| 8) 2-Chlorophenol | 7.28 | 128 | 845635 | 43.713 | ng | | 98 |
| 9) Benzaldehyde | 6.87 | 77 | 625393 | 48.847 | ng | | 99 |
| 10) Phenol | 6.91 | 94 | 1162548 | 44.512 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.15 | 93 | 857104 | 43.021 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.59 | 146 | 900263 | 41.386 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.75 | 146 | 919199 | 41.508 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.06 | 146 | 888272 | 41.759 | ng | | 99 |
| 15) Benzyl Alcohol | 7.96 | 79 | 898009 | 45.531 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.24 | 45 | 815716 | 42.303 | ng | | 98 |
| 17) 2-Methylphenol | 8.15 | 107 | 747097 | 44.943 | ng | | 99 |
| 18) Hexachloroethane | 8.78 | 117 | 341469 | 42.240 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.52 | 70 | 856360 | 44.558 | ng | | 100 |
| 20) 3+4-Methylphenols | 8.49 | 107 | 1029010 | 44.829 | ng | | 98 |
| 22) Acetophenone | 8.54 | 105 | 1420659 | 41.626 | ng | # | 99 |
| 24) Nitrobenzene | 8.92 | 77 | 1188885 | 42.614 | ng | | 100 |
| 25) Isophorone | 9.44 | 82 | 2152715 | 50.196 | ng | | 99 |
| 26) 2-Nitrophenol | 9.62 | 139 | 481202 | 43.311 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.68 | 122 | 808044 | 49.795 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 9.92 | 93 | 1234879 | 44.528 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.15 | 162 | 824952 | 44.274 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.36 | 180 | 879289 | 40.862 | ng | | 98 |
| 31) Naphthalene | 10.55 | 128 | 2721098 | 44.894 | ng | | 99 |
| 32) Benzoic acid | 9.84 | 122 | 570324m | 40.290 | ng | | |
| 33) 4-Chloroaniline | 10.68 | 127 | 1222139 | 45.107 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.82 | 225 | 483576 | 38.717 | ng | | 99 |
| 35) Caprolactam | 11.50 | 113 | 301045m | 39.588 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.80 | 107 | 998183 | 44.432 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.17 | 142 | 2035952 | 47.709 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.39 | 142 | 1933819 | 46.341 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.53 | 216 | 966259 | 40.724 | ng | | 99 |

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|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.50 | 237 | 1243786 | 102.531 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.79 | 196 | 688449 | 43.830 | ng | 99 |
| 44) 2,4,5-Trichlorophenol | 12.86 | 196 | 725465 | 44.066 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.19 | 154 | 2585329 | 40.494 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.23 | 162 | 2016071 | 40.883 | ng | 99 |
| 48) 2-Nitroaniline | 13.46 | 65 | 728751 | 44.496 | ng | 98 |
| 49) Acenaphthylene | 14.08 | 152 | 3362072 | 45.787 | ng | 99 |
| 50) Dimethylphthalate | 13.83 | 163 | 2645360 | 42.795 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 13.96 | 165 | 587866 | 43.902 | ng | 97 |
| 52) Acenaphthene | 14.43 | 154 | 1917052 | 42.578 | ng | 99 |
| 53) 3-Nitroaniline | 14.29 | 138 | 629030 | 41.576 | ng | 99 |
| 54) 2,4-Dinitrophenol | 14.50 | 184 | 509599 | 61.419 | ng | 97 |
| 55) Dibenzofuran | 14.76 | 168 | 3127332 | 42.259 | ng | 100 |
| 56) 4-Nitrophenol | 14.60 | 139 | 1031165 | 85.378 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 14.75 | 165 | 837155 | 45.376 | ng | 99 |
| 58) Fluorene | 15.41 | 166 | 2566058 | 45.324 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.99 | 232 | 678382 | 46.618 | ng | 99 |
| 60) Diethylphthalate | 15.19 | 149 | 2733863 | 42.875 | ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.41 | 204 | 1272448 | 40.086 | ng | 98 |
| 62) 4-Nitroaniline | 15.46 | 138 | 634922 | 42.806 | ng | 100 |
| 63) Azobenzene | 15.70 | 77 | 2933914 | 42.913 | ng | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.50 | 198 | 405472 | 34.023 | ng | 99 |
| 66) n-Nitrosodiphenylamine | 15.63 | 169 | 2245267 | 41.867 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.30 | 248 | 766822 | 40.360 | ng | 98 |
| 68) Hexachlorobenzene | 16.41 | 284 | 896311 | 40.586 | ng | 95 |
| 69) Atrazine | 16.59 | 200 | 774702 | 44.809 | ng | 99 |
| 70) Pentachlorophenol | 16.76 | 266 | 1134026 | 79.751 | ng | 99 |
| 71) Phenanthrene | 17.16 | 178 | 4076849 | 44.692 | ng | 100 |
| 72) Anthracene | 17.25 | 178 | 4187591 | 47.164 | ng | 100 |
| 73) Carbazole | 17.53 | 167 | 3850569 | 41.510 | ng | 99 |
| 74) Di-n-butylphthalate | 18.08 | 149 | 4745452 | 44.482 | ng | 100 |
| 75) Fluoranthene | 19.17 | 202 | 4788734 | 45.446 | ng | 98 |
| 77) Benzidine | 19.38 | 184 | 5429129 | 130.497 | ng | 100 |
| 78) Pyrene | 19.54 | 202 | 4919727 | 45.855 | ng | 100 |
| 80) Butylbenzylphthalate | 20.45 | 149 | 2272242 | 46.471 | ng | 100 |
| 81) Benzo(a)anthracene | 21.29 | 228 | 4892203 | 45.432 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.23 | 252 | 1877007 | 44.105 | ng | 99 |
| 83) Chrysene | 21.34 | 228 | 4575273 | 44.329 | ng | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.21 | 149 | 3304240 | 46.172 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.10 | 149 | 5651326 | 46.985 | ng | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 25.86 | 276 | 4705516 | 39.488 | ng | 100 |
| 88) Benzo(b)fluoranthene | 22.89 | 252 | 4817244 | 48.040 | ng | 100 |
| 89) Benzo(k)fluoranthene | 22.93 | 252 | 4591711 | 45.995 | ng | 100 |
| 90) Benzo(a)pyrene | 23.47 | 252 | 4442381 | 46.765 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 25.87 | 278 | 4031191 | 42.833 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 26.56 | 276 | 3665943 | 41.840 | ng | 100 |

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

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