Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031819\
Data File : BM019216.D
Acq On : 18 Mar 2019 15:27
Operator : JU/SJ
Sample : PB118000BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PB118000BS

**Manual Integrations APPROVED**
Sohil
3/19/2019 5:28:00 PM

Quant Time: Mar 19 07:31:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 11 17:30:46 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.65 | 152 | 233257 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.43 | 136 | 1033985 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.30 | 164 | 601437 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.06 | 188 | 1259536 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.26 | 240 | 1031358 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 23.49 | 264 | 911770 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.25 | 112 | 2041799 | 141.76 | ng | | 0.00 |
| 7) Phenol-d6 | 6.84 | 99 | 2886351 | 137.00 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.82 | 82 | 1709807 | 78.17 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.81 | 330 | 1132209 | 127.50 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 12.92 | 172 | 3619453 | 78.28 | ng | | -0.02 |
| 79) Terphenyl-d14 | 19.70 | 244 | 5001627 | 96.27 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.22 | 88 | 204792 | 31.962 | ng | | 98 |
| 3) Pyridine | 3.61 | 79 | 491273 | 28.182 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.53 | 42 | 182606 | 33.696 | ng | | 95 |
| 6) Aniline | 7.00 | 93 | 876558 | 32.226 | ng | | 99 |
| 8) 2-Chlorophenol | 7.22 | 128 | 718049 | 41.486 | ng | | 99 |
| 9) Benzaldehyde | 6.81 | 77 | 363031 | 27.395 | ng | | 99 |
| 10) Phenol | 6.86 | 94 | 963816 | 42.449 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.09 | 93 | 640320 | 36.959 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.53 | 146 | 656376 | 35.835 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 7.69 | 146 | 682621 | 36.554 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.00 | 146 | 671359 | 36.952 | ng | | 99 |
| 15) Benzyl Alcohol | 7.90 | 79 | 678196 | 38.895 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.18 | 45 | 639202 | 36.133 | ng | | 99 |
| 17) 2-Methylphenol | 8.10 | 107 | 619767 | 41.889 | ng | | 99 |
| 18) Hexachloroethane | 8.70 | 117 | 247297 | 35.639 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.46 | 70 | 624764 | 36.147 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.43 | 107 | 834043 | 41.529 | ng | | 99 |
| 22) Acetophenone | 8.48 | 105 | 1036784 | 36.283 | ng | # | 99 |
| 24) Nitrobenzene | 8.86 | 77 | 884302 | 38.872 | ng | | 99 |
| 25) Isophorone | 9.38 | 82 | 1557621 | 37.318 | ng | | 100 |
| 26) 2-Nitrophenol | 9.56 | 139 | 382730 | 40.587 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.62 | 122 | 656471 | 46.828 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 9.86 | 93 | 939394 | 38.010 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.09 | 162 | 673517 | 43.380 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.30 | 180 | 693342 | 39.604 | ng | | 100 |
| 31) Naphthalene | 10.49 | 128 | 2102856 | 38.586 | ng | | 100 |
| 32) Benzoic acid | 9.80 | 122 | 423429m | 35.664 | ng | | |
| 33) 4-Chloroaniline | 10.62 | 127 | 454963 | 20.365 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.75 | 225 | 371694 | 36.997 | ng | | 99 |
| 35) Caprolactam | 11.44 | 113 | 212272m | 38.380 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.74 | 107 | 755604 | 39.442 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.10 | 142 | 1574832 | 39.766 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.33 | 142 | 1495540 | 38.313 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.47 | 216 | 748380 | 39.337 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.43 | 237 | 715179 | 82.991 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.73 | 196 | 536735 | 43.656 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 12.80 | 196 | 555140 | 42.225 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.13 | 154 | 2038092 | 38.803 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.17 | 162 | 1571427 | 40.081 | ng | | 99 |
| 48) 2-Nitroaniline | 13.40 | 65 | 519011 | 39.473 | ng | | 97 |
| 49) Acenaphthylene | 14.03 | 152 | 2534897 | 38.239 | ng | | 99 |
| 50) Dimethylphthalate | 13.77 | 163 | 1950267 | 37.906 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.90 | 165 | 433564 | 38.982 | ng | | 97 |
| 52) Acenaphthene | 14.37 | 154 | 1459225 | 38.308 | ng | | 100 |
| 53) 3-Nitroaniline | 14.24 | 138 | 307110 | 26.071 | ng | | 95 |
| 54) 2,4-Dinitrophenol | 14.45 | 184 | 379409 | 58.740 | ng | | 98 |
| 55) Dibenzofuran | 14.71 | 168 | 2360362 | 38.424 | ng | | 97 |
| 56) 4-Nitrophenol | 14.56 | 139 | 641661 | 66.717 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 14.70 | 165 | 601238 | 37.241 | ng | | 97 |
| 58) Fluorene | 15.36 | 166 | 1931333 | 38.142 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.94 | 232 | 483925 | 39.538 | ng | | 100 |
| 60) Diethylphthalate | 15.14 | 149 | 1981291 | 38.023 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.36 | 204 | 959400 | 39.012 | ng | | 97 |
| 62) 4-Nitroaniline | 15.42 | 138 | 384674 | 32.404 | ng | | 97 |
| 63) Azobenzene | 15.65 | 77 | 2100190 | 38.302 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.46 | 198 | 279188 | 33.826 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 15.58 | 169 | 1657024 | 41.323 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.25 | 248 | 564995 | 40.678 | ng | | 97 |
| 68) Hexachlorobenzene | 16.35 | 284 | 659001 | 39.908 | ng | | 98 |
| 69) Atrazine | 16.54 | 200 | 526774 | 39.025 | ng | | 99 |
| 70) Pentachlorophenol | 16.71 | 266 | 740524 | 74.433 | ng | | 99 |
| 71) Phenanthrene | 17.10 | 178 | 2855133 | 38.674 | ng | | 100 |
| 72) Anthracene | 17.19 | 178 | 2913103 | 40.307 | ng | | 100 |
| 73) Carbazole | 17.47 | 167 | 2538275 | 37.211 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.03 | 149 | 3327584 | 40.341 | ng | | 100 |
| 75) Fluoranthene | 19.13 | 202 | 3040434 | 35.891 | ng | | 99 |
| 77) Benzidine | 19.33 | 184 | 1381258 | 47.223 | ng | | 99 |
| 78) Pyrene | 19.49 | 202 | 3057752 | 46.858 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.40 | 149 | 1471014 | 51.756 | ng | | 100 |
| 81) Benzo(a)anthracene | 21.24 | 228 | 2509975 | 38.792 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.19 | 252 | 729802 | 29.279 | ng | | 99 |
| 83) Chrysene | 21.30 | 228 | 2358903 | 37.684 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 2147697 | 51.940 | ng | # | 98 |
| 85) Di-n-octyl phthalate | 22.04 | 149 | 3366796 | 48.354 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 25.76 | 276 | 2682826 | 39.814 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 22.82 | 252 | 2328432 | 39.411 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 22.87 | 252 | 2238902 | 41.201 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.40 | 252 | 2194641 | 41.335 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 25.76 | 278 | 2299893 | 45.283 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 26.45 | 276 | 2192199 | 47.013 | ng | | 99 |

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

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