Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050319\
Data File : BM020109.D
Acq On : 03 May 2019 13:28
Operator : JU/SJ
Sample : PB119431BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PB119431BS

**Manual Integrations APPROVED**
mohammad
5/7/2019 11:59:00 PM

Quant Time: May 04 04:03:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 03:58:37 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.79 | 152 | 182432 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.58 | 136 | 681637 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.43 | 164 | 402394 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.17 | 188 | 897312 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.36 | 240 | 754674 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 23.64 | 264 | 604088 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 1557457 | 139.55 | ng | | 0.00 |
| 7) Phenol-d6 | 6.96 | 99 | 2084271 | 136.70 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.96 | 82 | 1298986 | 75.24 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.92 | 330 | 838449 | 134.24 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.05 | 172 | 2546846 | 77.87 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.80 | 244 | 3713772 | 85.83 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.31 | 88 | 167954 | 30.683 | ng | | 95 |
| 3) Pyridine | 3.70 | 79 | 426948 | 30.498 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.62 | 42 | 170665 | 38.017 | ng | | 80 |
| 6) Aniline | 7.13 | 93 | 586609 | 30.563 | ng | | 98 |
| 8) 2-Chlorophenol | 7.35 | 128 | 473821 | 38.990 | ng | | 98 |
| 9) Benzaldehyde | 6.94 | 77 | 239201 | 20.728 | ng | | 97 |
| 10) Phenol | 6.98 | 94 | 639892 | 38.985 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.22 | 93 | 447085 | 37.476 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.67 | 146 | 509695 | 36.049 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.82 | 146 | 524712 | 36.736 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.14 | 146 | 506153 | 37.195 | ng | | 97 |
| 15) Benzyl Alcohol | 8.03 | 79 | 544614 | 37.043 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.32 | 45 | 340294 | 34.400 | ng | | 97 |
| 17) 2-Methylphenol | 8.22 | 107 | 410652 | 38.865 | ng | | 97 |
| 18) Hexachloroethane | 8.86 | 117 | 213005 | 35.766 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.60 | 70 | 468930 | 35.948 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.55 | 107 | 538843 | 38.371 | ng | | 98 |
| 22) Acetophenone | 8.62 | 105 | 759338 | 40.761 | ng | # | 97 |
| 24) Nitrobenzene | 9.00 | 77 | 678529 | 37.904 | ng | | 98 |
| 25) Isophorone | 9.52 | 82 | 1140487 | 38.305 | ng | | 99 |
| 26) 2-Nitrophenol | 9.70 | 139 | 230873 | 42.719 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.75 | 122 | 416305 | 46.269 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.00 | 93 | 629389 | 38.813 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.23 | 162 | 469618 | 41.392 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.44 | 180 | 555927 | 39.822 | ng | | 97 |
| 31) Naphthalene | 10.63 | 128 | 1375929 | 38.898 | ng | | 99 |
| 32) Benzoic acid | 9.89 | 122 | 240871 | 39.055 | ng | | 94 |
| 33) 4-Chloroaniline | 10.75 | 127 | 328720 | 22.579 | ng | | 96 |
| 34) Hexachlorobutadiene | 10.90 | 225 | 379730 | 38.452 | ng | | 95 |
| 35) Caprolactam | 11.54 | 113 | 126352m | 37.245 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.86 | 107 | 500826 | 37.564 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.25 | 142 | 1024465 | 39.727 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.46 | 142 | 964252 | 38.238 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.61 | 216 | 665046 | 42.243 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.58 | 237 | 804583 | 86.798 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.85 | 196 | 395751 | 44.231 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 12.92 | 196 | 425051 | 42.525 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.26 | 154 | 1330519 | 40.172 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.30 | 162 | 1068697 | 40.413 | ng | | 99 |
| 48) 2-Nitroaniline | 13.52 | 65 | 357916 | 38.017 | ng | | 95 |
| 49) Acenaphthylene | 14.15 | 152 | 1610498 | 38.054 | ng | | 99 |
| 50) Dimethylphthalate | 13.89 | 163 | 1279606 | 37.415 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.02 | 165 | 276355 | 38.365 | ng | | 94 |
| 52) Acenaphthene | 14.50 | 154 | 941884 | 38.809 | ng | | 98 |
| 53) 3-Nitroaniline | 14.34 | 138 | 173357 | 25.930 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.55 | 184 | 323965 | 88.751 | ng | | 95 |
| 55) Dibenzofuran | 14.83 | 168 | 1565214 | 38.235 | ng | | 98 |
| 56) 4-Nitrophenol | 14.64 | 139 | 423968 | 74.326 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 14.80 | 165 | 369903 | 37.792 | ng | | 94 |
| 58) Fluorene | 15.48 | 166 | 1264338 | 37.606 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.05 | 232 | 389497 | 41.006 | ng | | 97 |
| 60) Diethylphthalate | 15.26 | 149 | 1254544 | 36.410 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.47 | 204 | 736736 | 38.675 | ng | | 97 |
| 62) 4-Nitroaniline | 15.51 | 138 | 243567 | 33.012 | ng | | 97 |
| 63) Azobenzene | 15.77 | 77 | 1459627 | 35.908 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.56 | 198 | 188612 | 42.605 | ng | | 100 |
| 66) n-Nitrosodiphenylamine | 15.69 | 169 | 1087080 | 41.171 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.37 | 248 | 447857 | 40.702 | ng | | 97 |
| 68) Hexachlorobenzene | 16.47 | 284 | 504435 | 39.838 | ng | | 97 |
| 69) Atrazine | 16.64 | 200 | 378989 | 36.729 | ng | | 99 |
| 70) Pentachlorophenol | 16.82 | 266 | 619518 | 85.513 | ng | | 97 |
| 71) Phenanthrene | 17.22 | 178 | 1912732 | 38.616 | ng | | 99 |
| 72) Anthracene | 17.31 | 178 | 1930331 | 38.978 | ng | | 99 |
| 73) Carbazole | 17.58 | 167 | 1627472 | 36.420 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.14 | 149 | 1946905 | 36.203 | ng | | 98 |
| 75) Fluoranthene | 19.23 | 202 | 2211932 | 35.294 | ng | | 99 |
| 77) Benzidine | 19.43 | 184 | 626632 | 25.972 | ng | | 99 |
| 78) Pyrene | 19.60 | 202 | 2218706 | 43.789 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.50 | 149 | 781895 | 42.435 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.34 | 228 | 1995424 | 37.703 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.28 | 252 | 698840 | 34.596 | ng | | 100 |
| 83) Chrysene | 21.40 | 228 | 1973554 | 38.450 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 1094421 | 38.278 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.16 | 149 | 1749483 | 36.815 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 25.97 | 276 | 2169015 | 35.526 | ng | # | 100 |
| 88) Benzo(b)fluoranthene | 22.95 | 252 | 1958343 | 49.093 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 23.00 | 252 | 1876156 | 51.560 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.54 | 252 | 1830858 | 50.529 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 25.98 | 278 | 1865577 | 49.509 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 26.69 | 276 | 1793706 | 50.139 | ng | | 98 |

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

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