Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011019\
Data File : BM018531.D
Acq On : 11 Jan 2019 07:34
Operator : JU/SJ
Sample : PB116287BSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB116287BSD

**Manual Integrations APPROVED**
Sohil
1/11/2019 4:41:16 PM

Quant Time: Jan 11 10:29:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 10 05:57:41 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.76 | 152 | 491532 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.55 | 136 | 2100418 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.41 | 164 | 1233879 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.16 | 188 | 2783571 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.35 | 240 | 2530865 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 23.64 | 264 | 2238508 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.35 | 112 | 1935623 | 72.71 | ng | | 0.00 |
| 7) Phenol-d6 | 6.93 | 99 | 2546882 | 75.33 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.93 | 82 | 2290956 | 63.23 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.90 | 330 | 1021679 | 65.03 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.02 | 172 | 6091278 | 64.42 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.79 | 244 | 7857447 | 65.45 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.29 | 88 | 247873 | 22.846 | ng | | 96 |
| 3) Pyridine | 3.68 | 79 | 722291 | 26.703 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.60 | 42 | 376014 | 33.617 | ng | # | 94 |
| 6) Aniline | 7.10 | 93 | 616767 | 16.353 | ng | | 99 |
| 8) 2-Chlorophenol | 7.33 | 128 | 1123997 | 36.153 | ng | | 94 |
| 9) Benzaldehyde | 6.91 | 77 | 310999 | 13.338 | ng | | 98 |
| 10) Phenol | 6.96 | 94 | 1242392 | 36.161 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.19 | 93 | 850767 | 31.515 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.65 | 146 | 1113716 | 30.080 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.79 | 146 | 1138806 | 30.347 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.11 | 146 | 1102025 | 30.970 | ng | | 98 |
| 15) Benzyl Alcohol | 8.00 | 79 | 881440 | 36.095 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.29 | 45 | 1083647 | 31.411 | ng | | 94 |
| 17) 2-Methylphenol | 8.20 | 107 | 875528 | 37.542 | ng | | 99 |
| 18) Hexachloroethane | 8.83 | 117 | 397275 | 29.691 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.56 | 70 | 716607 | 32.569 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.53 | 107 | 1210891 | 37.612 | ng | | 97 |
| 22) Acetophenone | 8.59 | 105 | 1464283 | 28.181 | ng | # | 98 |
| 24) Nitrobenzene | 8.97 | 77 | 1084643 | 30.425 | ng | | 97 |
| 25) Isophorone | 9.49 | 82 | 1988418 | 36.242 | ng | | 98 |
| 26) 2-Nitrophenol | 9.67 | 139 | 518787 | 30.095 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 9.73 | 122 | 1021460 | 39.533 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 9.97 | 93 | 1229048 | 32.427 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.20 | 162 | 1104214 | 35.890 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.41 | 180 | 1132437 | 29.654 | ng | | 99 |
| 31) Naphthalene | 10.60 | 128 | 3290065 | 32.524 | ng | | 100 |
| 32) Benzoic acid | 9.86 | 122 | 516118m | 32.151 | ng | | |
| 33) 4-Chloroaniline | 10.72 | 127 | 448542 | 11.259 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.87 | 225 | 679630 | 28.171 | ng | | 98 |
| 35) Caprolactam | 11.52 | 113 | 328437 | 31.398 | ng | | 89 |
| 36) 4-Chloro-3-methylphenol | 11.85 | 107 | 1136061 | 35.196 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.22 | 142 | 2503054 | 35.022 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.44 | 142 | 2377604 | 34.382 | ng | | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.58 | 216 | 1299147 | 30.109 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.55 | 237 | 1121855 | 47.374 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 12.83 | 196 | 903439 | 34.480 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 12.91 | 196 | 961470 | 34.890 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.24 | 154 | 3230084 | 29.981 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.28 | 162 | 2512681 | 30.076 | ng | | 100 |
| 48) 2-Nitroaniline | 13.50 | 65 | 692633 | 33.698 | ng | | 93 |
| 49) Acenaphthylene | 14.13 | 152 | 4120019 | 33.840 | ng | | 100 |
| 50) Dimethylphthalate | 13.87 | 163 | 3265883 | 32.229 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.00 | 165 | 701656 | 32.688 | ng | | 88 |
| 52) Acenaphthene | 14.47 | 154 | 2365653 | 31.756 | ng | | 98 |
| 53) 3-Nitroaniline | 14.33 | 138 | 506161 | 23.390 | ng | | 95 |
| 54) 2,4-Dinitrophenol | 14.53 | 184 | 200915 | 22.935 | ng | # | 91 |
| 55) Dibenzofuran | 14.81 | 168 | 3867045 | 31.417 | ng | | 98 |
| 56) 4-Nitrophenol | 14.64 | 139 | 1010671 | 54.061 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 14.78 | 165 | 936759 | 30.844 | ng | | 100 |
| 58) Fluorene | 15.46 | 166 | 3121345 | 34.042 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.03 | 232 | 817665 | 33.475 | ng | | 96 |
| 60) Diethylphthalate | 15.23 | 149 | 3375179 | 32.993 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.45 | 204 | 1613819 | 30.538 | ng | | 99 |
| 62) 4-Nitroaniline | 15.50 | 138 | 792512 | 33.575 | ng | | 98 |
| 63) Azobenzene | 15.74 | 77 | 2656380 | 31.849 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.54 | 198 | 181088 | 14.453 | ng | | 90 |
| 66) n-Nitrosodiphenylamine | 15.67 | 169 | 2773975 | 32.127 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.35 | 248 | 982157 | 31.530 | ng | | 97 |
| 68) Hexachlorobenzene | 16.45 | 284 | 1076385 | 30.867 | ng | | 100 |
| 69) Atrazine | 16.63 | 200 | 1016110 | 32.552 | ng | | 99 |
| 70) Pentachlorophenol | 16.80 | 266 | 1073026 | 46.984 | ng | | 98 |
| 71) Phenanthrene | 17.20 | 178 | 4962371 | 33.517 | ng | | 99 |
| 72) Anthracene | 17.29 | 178 | 5013798 | 35.216 | ng | | 100 |
| 73) Carbazole | 17.57 | 167 | 4535382 | 31.006 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.12 | 149 | 5625348 | 35.109 | ng | | 100 |
| 75) Fluoranthene | 19.22 | 202 | 5705076 | 33.422 | ng | | 97 |
| 77) Benzidine | 19.42 | 184 | 1528613 | 24.461 | ng | | 100 |
| 78) Pyrene | 19.59 | 202 | 5734647 | 38.227 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.49 | 149 | 2570589 | 40.157 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.34 | 228 | 5126273 | 34.382 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.27 | 252 | 1157922 | 20.538 | ng | | 100 |
| 83) Chrysene | 21.39 | 228 | 4727879 | 32.838 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.26 | 149 | 3628685 | 39.256 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.15 | 149 | 6022761 | 38.739 | ng | # | 94 |
| 86) Indeno(1,2,3-cd)pyrene | 25.96 | 276 | 4744569 | 28.578 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 22.94 | 252 | 4488502 | 35.319 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 22.99 | 252 | 4358811 | 34.034 | ng | | 98 |
| 90) Benzo(a)pyrene | 23.54 | 252 | 4203200 | 34.547 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 25.97 | 278 | 4010325 | 32.531 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 26.67 | 276 | 3913927 | 32.626 | ng | | 97 |

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

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