Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017928.D
Acq On : 05 Dec 2018 07:12
Operator : JU/SJ
Sample : PB115307BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB115307BS

**Manual Integrations APPROVED**
mohammad
12/5/2018 4:50:23 PM

Quant Time: Dec 05 10:09:07 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 12 18:37:25 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.58 | 152 | 126676 | 20.00 | ng | -0.04 |
| 21) Naphthalene-d8 | 10.35 | 136 | 503571 | 20.00 | ng | -0.04 |
| 39) Acenaphthene-d10 | 14.23 | 164 | 266448 | 20.00 | ng | -0.04 |
| 64) Phenanthrene-d10 | 16.99 | 188 | 558003 | 20.00 | ng | -0.03 |
| 76) Chrysene-d12 | 21.19 | 240 | 612978 | 20.00 | ng | -0.02 |
| 87) Perylene-d12 | 23.37 | 264 | 693987 | 20.00 | ng | -0.04 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.21 | 112 | 573261 | 76.37 | ng | -0.03 |
| 7) Phenol-d6 | 6.77 | 99 | 744243 | 70.99 | ng | -0.04 |
| 23) Nitrobenzene-d5 | 8.73 | 82 | 668827 | 68.57 | ng | -0.04 |
| 42) 2,4,6-Tribromophenol | 15.73 | 330 | 276059 | 72.11 | ng | -0.03 |
| 45) 2-Fluorobiphenyl | 12.84 | 172 | 1565274 | 76.21 | ng | -0.04 |
| 79) Terphenyl-d14 | 19.63 | 244 | 2056283 | 76.03 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.21 | 88 | 95059 | 30.408 | ng | # 86 |
| 3) Pyridine | 3.59 | 79 | 259234 | 28.270 | ng | # 84 |
| 4) n-Nitrosodimethylamine | 3.50 | 42 | 113599 | 28.123 | ng | # 75 |
| 6) Aniline | 6.92 | 93 | 193149 | 14.857 | ng | 96 |
| 8) 2-Chlorophenol | 7.15 | 128 | 315443 | 35.115 | ng | 94 |
| 9) Benzaldehyde | 6.74 | 77 | 140500 | 18.398 | ng | 94 |
| 10) Phenol | 6.80 | 94 | 364683 | 33.142 | ng | 95 |
| 11) bis(2-Chloroethyl)ether | 7.02 | 93 | 273288 | 31.461 | ng | 94 |
| 12) 1,3-Dichlorobenzene | 7.47 | 146 | 343967 | 34.129 | ng | 96 |
| 13) 1,4-Dichlorobenzene | 7.62 | 146 | 345610 | 33.456 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.92 | 146 | 335523 | 33.496 | ng | 98 |
| 15) Benzyl Alcohol | 7.83 | 79 | 252733 | 30.272 | ng | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.10 | 45 | 309398 | 23.394 | ng | 91 |
| 17) 2-Methylphenol | 8.03 | 107 | 250606 | 33.808 | ng | 96 |
| 18) Hexachloroethane | 8.63 | 117 | 109102 | 29.965 | ng | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.38 | 70 | 216687 | 28.787 | ng | 91 |
| 20) 3+4-Methylphenols | 8.36 | 107 | 330549 | 32.095 | ng | 97 |
| 22) Acetophenone | 8.40 | 105 | 434277 | 34.554 | ng | # 92 |
| 24) Nitrobenzene | 8.77 | 77 | 316336 | 31.964 | ng | 96 |
| 25) Isophorone | 9.30 | 82 | 565619 | 37.543 | ng | 98 |
| 26) 2-Nitrophenol | 9.48 | 139 | 145261 | 31.865 | ng | 94 |
| 27) 2,4-Dimethylphenol | 9.55 | 122 | 271522 | 41.329 | ng | 98 |
| 28) bis(2-Chloroethoxy)methane | 9.78 | 93 | 351860 | 34.483 | ng | 98 |
| 29) 2,4-Dichlorophenol | 10.01 | 162 | 267211 | 35.038 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.22 | 180 | 299490 | 33.764 | ng | 97 |
| 31) Naphthalene | 10.40 | 128 | 912980 | 36.875 | ng | 99 |
| 32) Benzoic acid | 9.70 | 122 | 167301 | 28.112 | ng | 95 |
| 33) 4-Chloroaniline | 10.53 | 127 | 98921 | 9.123 | ng | 97 |
| 34) Hexachlorobutadiene | 10.67 | 225 | 186230 | 33.819 | ng | 98 |
| 35) Caprolactam | 11.32 | 113 | 82682m | 29.440 | ng | |
| 36) 4-Chloro-3-methylphenol | 11.66 | 107 | 283770 | 32.228 | ng | 98 |
| 37) 2-Methylnaphthalene | 12.02 | 142 | 648088 | 37.036 | ng | 98 |
| 38) 1-Methylnaphthalene | 12.24 | 142 | 619192 | 36.088 | ng | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216 | 328115 | 34.922 | ng | 100 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.36 | 237 | 220310 | 45.377 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.65 | 196 | 213484 | 36.275 | ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 12.72 | 196 | 224525 | 36.132 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.05 | 154 | 797717 | 33.354 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.09 | 162 | 621439 | 35.007 | ng | | 99 |
| 48) 2-Nitroaniline | 13.32 | 65 | 175679 | 32.000 | ng | | 88 |
| 49) Acenaphthylene | 13.95 | 152 | 1000315 | 37.505 | ng | | 99 |
| 50) Dimethylphthalate | 13.70 | 163 | 731429 | 33.764 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 13.82 | 165 | 152602 | 31.635 | ng | | 93 |
| 52) Acenaphthene | 14.29 | 154 | 575564 | 35.163 | ng | | 99 |
| 53) 3-Nitroaniline | 14.16 | 138 | 98498 | 18.755 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 14.37 | 184 | 94738 | 36.428 | ng | | 95 |
| 55) Dibenzofuran | 14.63 | 168 | 915062 | 34.209 | ng | | 98 |
| 56) 4-Nitrophenol | 14.48 | 139 | 262195 | 60.670 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 14.62 | 165 | 200693 | 30.864 | ng | | 96 |
| 58) Fluorene | 15.29 | 166 | 737889 | 36.033 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.86 | 232 | 206432 | 36.118 | ng | | 99 |
| 60) Diethylphthalate | 15.07 | 149 | 736180 | 31.452 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.29 | 204 | 367881 | 31.619 | ng | | 100 |
| 62) 4-Nitroaniline | 15.33 | 138 | 159606 | 32.246 | ng | | 94 |
| 63) Azobenzene | 15.58 | 77 | 677283 | 31.301 | ng | | 94 |
| 65) 4,6-Dinitro-2-methylphenol | 15.39 | 198 | 69614 | 18.009 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 15.50 | 169 | 635645 | 35.431 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.18 | 248 | 231849 | 35.132 | ng | | 98 |
| 68) Hexachlorobenzene | 16.29 | 284 | 254780 | 34.246 | ng | | 92 |
| 69) Atrazine | 16.47 | 200 | 220147 | 33.363 | ng | | 95 |
| 70) Pentachlorophenol | 16.64 | 266 | 308516 | 59.184 | ng | | 99 |
| 71) Phenanthrene | 17.03 | 178 | 1140058 | 37.652 | ng | | 99 |
| 72) Anthracene | 17.12 | 178 | 1176984 | 39.947 | ng | | 99 |
| 73) Carbazole | 17.40 | 167 | 1055133 | 35.440 | ng | | 100 |
| 74) Di-n-butylphthalate | 17.96 | 149 | 1234939 | 37.261 | ng | | 99 |
| 75) Fluoranthene | 19.06 | 202 | 1328079 | 38.766 | ng | | 99 |
| 77) Benzidine | 19.26 | 184 | 1214158 | 60.827 | ng | | 99 |
| 78) Pyrene | 19.42 | 202 | 1381117 | 36.517 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.33 | 149 | 577018 | 37.563 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.18 | 228 | 1337536 | 37.875 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.12 | 252 | 516507 | 37.896 | ng | | 97 |
| 83) Chrysene | 21.23 | 228 | 1273857 | 37.139 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.12 | 149 | 824728 | 36.317 | ng | | 99 |
| 85) Di-n-octyl phthalate | 21.98 | 149 | 1449936 | 39.873 | ng | # | 95 |
| 86) Indeno(1,2,3-cd)pyrene | 25.56 | 276 | 1772202 | 64.657 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 22.73 | 252 | 1424695 | 35.055 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 22.77 | 252 | 1375006 | 33.473 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.29 | 252 | 1413466 | 38.143 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 25.57 | 278 | 1502503 | 48.228 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 26.22 | 276 | 1506369 | 51.418 | ng | | 99 |

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

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