Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052319\
Data File : BM020520.D
Acq On : 23 May 2019 17:44
Operator : JU/SJ
Sample : PB119565BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB119565BS

**Manual Integrations APPROVED**
Sohil
5/24/2019 5:01:38 PM

Quant Time: May 24 03:12:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 23 13:59:00 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.67 | 152 | 53675 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.46 | 136 | 188280 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.33 | 164 | 115677 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.09 | 188 | 286074 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.28 | 240 | 307511 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 23.53 | 264 | 351888 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.25 | 112 | 397682 | 121.11 | ng | | 0.00 |
| 7) Phenol-d6 | 6.85 | 99 | 515520 | 114.92 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.84 | 82 | 287490 | 60.28 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.83 | 330 | 239375 | 133.32 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.94 | 172 | 589751 | 62.73 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.72 | 244 | 1101845 | 62.50 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.17 | 88 | 73283 | 45.504 | ng | # | 83 |
| 3) Pyridine | 3.58 | 79 | 150894 | 36.635 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.50 | 42 | 35904 | 27.184 | ng | # | 51 |
| 6) Aniline | 7.01 | 93 | 142246 | 25.190 | ng | | 94 |
| 8) 2-Chlorophenol | 7.23 | 128 | 129931 | 36.340 | ng | | 94 |
| 9) Benzaldehyde | 6.83 | 77 | 53890 | 15.872 | ng | | 91 |
| 10) Phenol | 6.87 | 94 | 173773 | 35.983 | ng | | 85 |
| 11) bis(2-Chloroethyl)ether | 7.10 | 93 | 121253 | 34.545 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.56 | 146 | 148516 | 35.701 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 7.70 | 146 | 150311 | 35.768 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.02 | 146 | 141719 | 35.397 | ng | | 96 |
| 15) Benzyl Alcohol | 7.92 | 79 | 123126 | 28.464 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.20 | 45 | 79462 | 27.302 | ng | | 91 |
| 17) 2-Methylphenol | 8.12 | 107 | 105134 | 33.818 | ng | | 95 |
| 18) Hexachloroethane | 8.73 | 117 | 56578 | 32.289 | ng | # | 87 |
| 19) n-Nitroso-di-n-propylamine | 8.48 | 70 | 108539 | 28.280 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.45 | 107 | 139710 | 33.814 | ng | | 96 |
| 22) Acetophenone | 8.50 | 105 | 189415 | 36.810 | ng | # | 95 |
| 24) Nitrobenzene | 8.88 | 77 | 167536 | 33.882 | ng | | 95 |
| 25) Isophorone | 9.40 | 82 | 281816 | 34.267 | ng | | 98 |
| 26) 2-Nitrophenol | 9.59 | 139 | 61362 | 41.106 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 9.65 | 122 | 105081 | 42.282 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 9.89 | 93 | 151836 | 33.899 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.12 | 162 | 122868 | 39.207 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.32 | 180 | 150325 | 38.984 | ng | | 98 |
| 31) Naphthalene | 10.51 | 128 | 352226 | 36.050 | ng | | 99 |
| 32) Benzoic acid | 9.79 | 122 | 65192m | 38.401 | ng | | |
| 33) 4-Chloroaniline | 10.64 | 127 | 77046 | 19.159 | ng | | 96 |
| 34) Hexachlorobutadiene | 10.77 | 225 | 105770 | 38.775 | ng | | 96 |
| 35) Caprolactam | 11.45 | 113 | 29300 | 31.268 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 11.76 | 107 | 122387 | 33.233 | ng | | 92 |
| 37) 2-Methylnaphthalene | 12.13 | 142 | 254918 | 35.788 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.35 | 142 | 243068 | 34.897 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.50 | 216 | 183860 | 40.625 | ng | # | 96 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.46 | 237 | 172161 | 64.606 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.75 | 196 | 108718 | 42.268 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 12.83 | 196 | 117294 | 40.821 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.16 | 154 | 339079 | 35.613 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.20 | 162 | 277697 | 36.529 | ng | | 97 |
| 48) 2-Nitroaniline | 13.43 | 65 | 73716 | 27.237 | ng | | 88 |
| 49) Acenaphthylene | 14.05 | 152 | 415249 | 34.131 | ng | | 99 |
| 50) Dimethylphthalate | 13.79 | 163 | 341103 | 34.694 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.93 | 165 | 72976 | 35.241 | ng | | 90 |
| 52) Acenaphthene | 14.39 | 154 | 242206 | 34.716 | ng | | 98 |
| 53) 3-Nitroaniline | 14.26 | 138 | 38252 | 19.903 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.48 | 184 | 80520 | 77.880 | ng | # | 85 |
| 55) Dibenzofuran | 14.73 | 168 | 427571 | 36.333 | ng | | 96 |
| 56) 4-Nitrophenol | 14.57 | 139 | 103137 | 62.897 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 14.72 | 165 | 101765 | 36.167 | ng | | 97 |
| 58) Fluorene | 15.38 | 166 | 336785 | 34.846 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.96 | 232 | 115292 | 42.223 | ng | # | 91 |
| 60) Diethylphthalate | 15.16 | 149 | 326846 | 32.997 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.37 | 204 | 209849 | 38.320 | ng | | 93 |
| 62) 4-Nitroaniline | 15.43 | 138 | 52527m | 24.765 | ng | | |
| 63) Azobenzene | 15.67 | 77 | 356308 | 30.492 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.49 | 198 | 53654 | 38.787 | ng | | 91 |
| 66) n-Nitrosodiphenylamine | 15.60 | 169 | 296169 | 35.183 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.27 | 248 | 133524 | 38.063 | ng | # | 91 |
| 68) Hexachlorobenzene | 16.38 | 284 | 157235 | 38.950 | ng | # | 93 |
| 69) Atrazine | 16.55 | 200 | 109190 | 33.192 | ng | | 98 |
| 70) Pentachlorophenol | 16.73 | 266 | 178633 | 77.340 | ng | | 98 |
| 71) Phenanthrene | 17.13 | 178 | 558649 | 35.377 | ng | | 100 |
| 72) Anthracene | 17.22 | 178 | 558407 | 35.367 | ng | | 99 |
| 73) Carbazole | 17.50 | 167 | 470379 | 33.018 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.04 | 149 | 524756 | 30.607 | ng | | 98 |
| 75) Fluoranthene | 19.15 | 202 | 717169 | 35.894 | ng | | 99 |
| 77) Benzidine | 19.35 | 184 | 214975 | 21.866 | ng | | 98 |
| 78) Pyrene | 19.52 | 202 | 730302 | 35.373 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.41 | 149 | 234083 | 31.178 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.26 | 228 | 729523 | 33.828 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.20 | 252 | 199301 | 24.214 | ng | # | 97 |
| 83) Chrysene | 21.31 | 228 | 729719 | 34.890 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.18 | 149 | 353096 | 30.308 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.06 | 149 | 628992 | 32.483 | ng | # | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 25.81 | 276 | 995058 | 39.998 | ng | # | 100 |
| 88) Benzo(b)fluoranthene | 22.85 | 252 | 831725m | 35.793 | ng | | |
| 89) Benzo(k)fluoranthene | 22.89 | 252 | 760597m | 35.883 | ng | | |
| 90) Benzo(a)pyrene | 23.43 | 252 | 780109 | 36.960 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 25.81 | 278 | 844766 | 38.486 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 26.50 | 276 | 838096 | 40.217 | ng | | 97 |

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

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