Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082019\
Data File : BM022197.D
Acq On : 19 Aug 2019 19:40
Operator : HP/JU
Sample : SSTDICC050
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTDICC050

**Manual Integrations APPROVED**
mohammad
8/22/2019 12:48:25 PM

Quant Time: Aug 20 01:52:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 20 01:26:40 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.57 | 152 | 35969 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.35 | 136 | 154094 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.23 | 164 | 97369 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 16.99 | 188 | 188066 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.20 | 240 | 191220 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 23.40 | 264 | 189115 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.19 | 112 | 193772 | 97.55 | ng | | 0.00 |
| 7) Phenol-d6 | 6.76 | 99 | 262756 | 90.83 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.75 | 82 | 310063 | 104.87 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.74 | 330 | 146180 | 80.01 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.84 | 172 | 743059 | 93.79 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.63 | 244 | 1234893 | 120.62 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.17 | 88 | 40354 | 53.921 | ng | # | 89 |
| 3) Pyridine | 3.56 | 79 | 109940 | 51.085 | ng | # | 88 |
| 4) n-Nitrosodimethylamine | 3.49 | 42 | 63134 | 76.188 | ng | # | 62 |
| 6) Aniline | 6.93 | 93 | 176030 | 45.689 | ng | | 94 |
| 8) 2-Chlorophenol | 7.14 | 128 | 116696 | 47.733 | ng | | 96 |
| 9) Benzaldehyde | 6.75 | 77 | 80377 | 52.524 | ng | | 90 |
| 10) Phenol | 6.79 | 94 | 138025 | 46.705 | ng | | 83 |
| 11) bis(2-Chloroethyl)ether | 7.02 | 93 | 109168 | 46.658 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.46 | 146 | 140551 | 47.453 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 7.60 | 146 | 141899 | 47.121 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.92 | 146 | 139974 | 47.431 | ng | | 96 |
| 15) Benzyl Alcohol | 7.83 | 79 | 114377m | 48.833 | ng | | |
| 16) 2,2'-oxybis(1-Chloropropan | 8.10 | 45 | 152343 | 50.338 | ng | | 98 |
| 17) 2-Methylphenol | 8.02 | 107 | 99760 | 47.258 | ng | # | 93 |
| 18) Hexachloroethane | 8.62 | 117 | 62427 | 57.738 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 8.39 | 70 | 103589 | 49.208 | ng | | 91 |
| 20) 3+4-Methylphenols | 8.36 | 107 | 134572 | 46.313 | ng | | 94 |
| 22) Acetophenone | 8.41 | 105 | 189385 | 48.229 | ng | # | 90 |
| 24) Nitrobenzene | 8.79 | 77 | 159819 | 54.567 | ng | | 93 |
| 25) Isophorone | 9.30 | 82 | 270042 | 48.812 | ng | | 95 |
| 26) 2-Nitrophenol | 9.49 | 139 | 68104 | 47.488 | ng | # | 73 |
| 27) 2,4-Dimethylphenol | 9.55 | 122 | 101367 | 48.461 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 9.78 | 93 | 162994 | 47.414 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.01 | 162 | 122710 | 45.328 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.21 | 180 | 148901 | 46.660 | ng | | 99 |
| 31) Naphthalene | 10.40 | 128 | 384166 | 47.110 | ng | | 100 |
| 32) Benzoic acid | 9.75 | 122 | 90135m | 53.266 | ng | | |
| 33) 4-Chloroaniline | 10.53 | 127 | 162932 | 44.013 | ng | # | 95 |
| 34) Hexachlorobutadiene | 10.65 | 225 | 126735 | 62.898 | ng | | 98 |
| 35) Caprolactam | 11.37 | 113 | 32615m | 38.518 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.66 | 107 | 126460 | 45.907 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.02 | 142 | 279087 | 44.479 | ng | # | 93 |
| 38) 1-Methylnaphthalene | 12.24 | 142 | 268703 | 44.898 | ng | # | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216 | 185644 | 50.372 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.34 | 237 | 92829 | 43.450 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.65 | 196 | 112105 | 45.969 | ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 12.73 | 196 | 113326 | 44.874 | ng | # | 93 |
| 46) 1,1'-Biphenyl | 13.05 | 154 | 370306 | 44.435 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.10 | 162 | 303771 | 44.880 | ng | | 96 |
| 48) 2-Nitroaniline | 13.33 | 65 | 97800 | 52.818 | ng | | 84 |
| 49) Acenaphthylene | 13.95 | 152 | 463138 | 44.964 | ng | | 99 |
| 50) Dimethylphthalate | 13.70 | 163 | 391595 | 45.234 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.84 | 165 | 77024 | 41.357 | ng | # | 63 |
| 52) Acenaphthene | 14.29 | 154 | 270217 | 43.482 | ng | | 96 |
| 53) 3-Nitroaniline | 14.18 | 138 | 78435 | 41.310 | ng | | 95 |
| 54) 2,4-Dinitrophenol | 14.40 | 184 | 41602 | 41.584 | ng | # | 65 |
| 55) Dibenzofuran | 14.63 | 168 | 443885 | 43.785 | ng | # | 91 |
| 56) 4-Nitrophenol | 14.50 | 139 | 52053 | 35.852 | ng | # | 58 |
| 57) 2,4-Dinitrotoluene | 14.64 | 165 | 109913 | 42.740 | ng | # | 65 |
| 58) Fluorene | 15.29 | 166 | 369930 | 44.660 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.87 | 232 | 112326 | 46.552 | ng | # | 94 |
| 60) Diethylphthalate | 15.07 | 149 | 407909 | 47.841 | ng | | 96 |
| 61) 4-Chlorophenyl-phenylether | 15.29 | 204 | 234454 | 50.102 | ng | | 96 |
| 62) 4-Nitroaniline | 15.36 | 138 | 72553 | 36.408 | ng | # | 59 |
| 63) Azobenzene | 15.58 | 77 | 397230 | 56.797 | ng | | 84 |
| 65) 4,6-Dinitro-2-methylphenol | 15.41 | 198 | 56925 | 49.091 | ng | | 83 |
| 66) n-Nitrosodiphenylamine | 15.51 | 169 | 295282 | 49.813 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.18 | 248 | 136437 | 54.497 | ng | # | 92 |
| 68) Hexachlorobenzene | 16.29 | 284 | 153818 | 51.429 | ng | # | 84 |
| 69) Atrazine | 16.47 | 200 | 106702 | 55.354 | ng | | 98 |
| 70) Pentachlorophenol | 16.64 | 266 | 78100 | 48.465 | ng | | 98 |
| 71) Phenanthrene | 17.03 | 178 | 528085 | 48.723 | ng | | 99 |
| 72) Anthracene | 17.13 | 178 | 525612 | 48.956 | ng | | 99 |
| 73) Carbazole | 17.42 | 167 | 435179 | 45.842 | ng | # | 97 |
| 74) Di-n-butylphthalate | 17.96 | 149 | 661538 | 56.925 | ng | # | 98 |
| 75) Fluoranthene | 19.06 | 202 | 628341 | 50.202 | ng | | 99 |
| 77) Benzidine | 19.27 | 184 | 201298 | 36.252 | ng | | 99 |
| 78) Pyrene | 19.43 | 202 | 631270 | 45.520 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.33 | 149 | 294454 | 53.270 | ng | | 86 |
| 81) Benzo(a)anthracene | 21.18 | 228 | 638933 | 49.016 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.13 | 252 | 227592 | 46.098 | ng | | 100 |
| 83) Chrysene | 21.24 | 228 | 619885 | 49.920 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.10 | 149 | 443454 | 56.368 | ng | | 95 |
| 85) Di-n-octyl phthalate | 21.97 | 149 | 721192 | 58.290 | ng | # | 94 |
| 86) Indeno(1,2,3-cd)pyrene | 25.60 | 276 | 712741 | 51.872 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 22.74 | 252 | 622397 | 48.784 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 22.79 | 252 | 591946 | 47.998 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.30 | 252 | 558177 | 48.486 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 25.60 | 278 | 593604 | 51.719 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 26.27 | 276 | 519298 | 48.518 | ng | | 97 |

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

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