Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
Data File : BM022781.D
Acq On : 25 Sep 2019 20:57
Operator : JU
Sample : K4980-04MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SAND-STOCKPILE-1MSD

**Manual Integrations APPROVED**
mohammad
9/26/2019 3:55:10 PM

Quant Time: Sep 26 06:48:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 16:34:01 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.82 | 152 | 242993 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.61 | 136 | 873983 | 20.00 | ng | -0.01 |
| 39) Acenaphthene-d10 | 14.46 | 164 | 478058 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.19 | 188 | 893833 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.37 | 240 | 926533 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 23.64 | 264 | 1099903 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.40 | 112 | 1432319 | 93.48 | ng | 0.00 |
| 7) Phenol-d6 | 6.99 | 99 | 1875507 | 95.31 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.97 | 82 | 1067399 | 67.79 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.94 | 330 | 637215 | 106.78 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.08 | 172 | 2431246 | 70.03 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.82 | 244 | 3136726 | 65.55 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.31 | 88 | 166809 | 27.057 | ng | # 100 |
| 3) Pyridine | 3.72 | 79 | 400891 | 24.670 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.62 | 42 | 193475 | 32.705 | ng | # 99 |
| 6) Aniline | 7.15 | 93 | 608253 | 25.778 | ng | 100 |
| 8) 2-Chlorophenol | 7.39 | 128 | 555166 | 35.564 | ng | 100 |
| 9) Benzaldehyde | 6.96 | 77 | 352507 | 31.460 | ng | 100 |
| 10) Phenol | 7.02 | 94 | 660841 | 35.670 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.25 | 93 | 499009 | 34.283 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.71 | 146 | 606576 | 32.511 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 7.86 | 146 | 624954 | 33.087 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.17 | 146 | 586469 | 32.568 | ng | 99 |
| 15) Benzyl Alcohol | 8.06 | 79 | 428318 | 34.784 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.35 | 45 | 663857 | 31.397 | ng | 99 |
| 17) 2-Methylphenol | 8.26 | 107 | 425897 | 34.731 | ng | 99 |
| 18) Hexachloroethane | 8.90 | 117 | 220278 | 31.797 | ng | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.63 | 70 | 367562 | 33.448 | ng | 98 |
| 20) 3+4-Methylphenols | 8.59 | 107 | 563694 | 34.512 | ng | 99 |
| 22) Acetophenone | 8.64 | 105 | 738486 | 34.231 | ng | 99 |
| 24) Nitrobenzene | 9.02 | 77 | 542569 | 36.017 | ng | 98 |
| 25) Isophorone | 9.55 | 82 | 981594 | 37.917 | ng | 99 |
| 26) 2-Nitrophenol | 9.73 | 139 | 275392 | 42.347 | ng | 97 |
| 27) 2,4-Dimethylphenol | 9.79 | 122 | 473227 | 43.467 | ng | 100 |
| 28) bis(2-Chloroethoxy)methane | 10.02 | 93 | 646654 | 36.097 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.26 | 162 | 485093 | 39.410 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.47 | 180 | 543520 | 35.890 | ng | 99 |
| 31) Naphthalene | 10.66 | 128 | 1633617 | 37.829 | ng | 100 |
| 32) Benzoic acid | 9.90 | 122 | 226304 | 31.710 | ng | 95 |
| 33) 4-Chloroaniline | 10.77 | 127 | 341822 | 18.231 | ng | 99 |
| 34) Hexachlorobutadiene | 10.96 | 225 | 332461 | 36.828 | ng | 99 |
| 35) Caprolactam | 11.55 | 113 | 132028m | 36.181 | ng | |
| 36) 4-Chloro-3-methylphenol | 11.89 | 107 | 454995 | 37.888 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.27 | 142 | 1154402 | 38.404 | ng | 100 |
| 38) 1-Methylnaphthalene | 12.49 | 142 | 1071370 | 37.548 | ng | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.65 | 216 | 583815 | 36.041 | ng | 100 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.63 | 237 | 402675 | 45.561 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.89 | 196 | 372045 | 39.794 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 12.96 | 196 | 388445 | 39.871 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.29 | 154 | 1396428 | 35.294 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.33 | 162 | 1071778 | 36.344 | ng | | 99 |
| 48) 2-Nitroaniline | 13.53 | 65 | 269135 | 35.048 | ng | | 99 |
| 49) Acenaphthylene | 14.17 | 152 | 1800856 | 41.238 | ng | | 100 |
| 50) Dimethylphthalate | 13.91 | 163 | 1534409 | 44.414 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.02 | 165 | 273820 | 37.891 | ng | | 99 |
| 52) Acenaphthene | 14.52 | 154 | 990823 | 34.680 | ng | | 100 |
| 53) 3-Nitroaniline | 14.35 | 138 | 205080 | 24.651 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.56 | 184 | 153368 | 42.717 | ng | | 96 |
| 55) Dibenzofuran | 14.85 | 168 | 1535624 | 36.817 | ng | | 99 |
| 56) 4-Nitrophenol | 14.66 | 139 | 481264 | 75.263 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 14.81 | 165 | 355592 | 37.560 | ng | | 99 |
| 58) Fluorene | 15.50 | 166 | 1262711 | 37.255 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.08 | 232 | 328662 | 38.681 | ng | | 97 |
| 60) Diethylphthalate | 15.27 | 149 | 1246511 | 37.107 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 15.50 | 204 | 635864 | 36.512 | ng | | 99 |
| 62) 4-Nitroaniline | 15.51 | 138 | 283795 | 32.537 | ng | | 98 |
| 63) Azobenzene | 15.79 | 77 | 1084622 | 35.754 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.57 | 198 | 115829 | 28.864 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.71 | 169 | 1072704 | 39.284 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.39 | 248 | 388011 | 39.029 | ng | | 99 |
| 68) Hexachlorobenzene | 16.51 | 284 | 421064 | 36.318 | ng | | 96 |
| 69) Atrazine | 16.66 | 200 | 320670 | 36.124 | ng | | 99 |
| 70) Pentachlorophenol | 16.84 | 266 | 513427 | 83.039 | ng | | 99 |
| 71) Phenanthrene | 17.23 | 178 | 2071048 | 41.064 | ng | | 100 |
| 72) Anthracene | 17.33 | 178 | 1958713 | 40.072 | ng | | 99 |
| 73) Carbazole | 17.59 | 167 | 1676614 | 36.861 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.16 | 149 | 2106781 | 40.849 | ng | | 100 |
| 75) Fluoranthene | 19.25 | 202 | 2422730 | 42.569 | ng | | 98 |
| 77) Benzidine | 19.43 | 184 | 1248194 | 49.107 | ng | | 100 |
| 78) Pyrene | 19.61 | 202 | 2716572 | 44.739 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.51 | 149 | 934153 | 40.480 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.36 | 228 | 2512184 | 41.835 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.29 | 252 | 824394 | 38.712 | ng | | 100 |
| 83) Chrysene | 21.41 | 228 | 2414324 | 41.471 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 1438363 | 42.067 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.18 | 149 | 2474917 | 45.415 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 25.96 | 276 | 3012967 | 43.361 | ng | # | 100 |
| 88) Benzo(b)fluoranthene | 22.96 | 252 | 2706398 | 40.639 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 23.01 | 252 | 2409949 | 36.471 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.55 | 252 | 2596267 | 42.308 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 25.97 | 278 | 2412892 | 37.591 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 26.67 | 276 | 2529190 | 41.485 | ng | | 98 |

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

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