Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM041519\
Data File : BM019919.D
Acq On : 15 Apr 2019 18:35
Operator : JU/SJ
Sample : K1560-01
Misc : LOD 16PPM
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
LOD-MDL-SOIL-01-QT1-2019

**Manual Integrations APPROVED**
Sohil
4/16/2019 5:25:46 PM

Quant Time: Apr 16 03:31:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM041519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 15 16:16:29 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.53 | 152 | 111173 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.31 | 136 | 497739 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.20 | 164 | 302366 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 16.96 | 188 | 666579 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.17 | 240 | 681723 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 23.37 | 264 | 636892 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.14 | 112 | 909342 | 132.56 | ng | | 0.00 |
| 7) Phenol-d6 | 6.72 | 99 | 1326454 | 128.48 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.70 | 82 | 929260 | 83.49 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.71 | 330 | 682339 | 140.19 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.80 | 172 | 2036799 | 83.95 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.61 | 244 | 3388231 | 87.66 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.12 | 88 | 47658 | 16.099 | ng | | 98 |
| 3) Pyridine | 3.53 | 79 | 136251 | 16.435 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.46 | 42 | 38548 | 14.434 | ng | # | 99 |
| 6) Aniline | 6.88 | 93 | 201825 | 15.136 | ng | | 99 |
| 8) 2-Chlorophenol | 7.10 | 128 | 131128 | 15.369 | ng | | 98 |
| 9) Benzaldehyde | 6.70 | 77 | 122143 | 17.351 | ng | | 99 |
| 10) Phenol | 6.75 | 94 | 174254 | 15.449 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.98 | 93 | 128107 | 15.523 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.42 | 146 | 140863 | 15.727 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.56 | 146 | 141637 | 15.585 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.88 | 146 | 139225 | 15.451 | ng | | 100 |
| 15) Benzyl Alcohol | 7.80 | 79 | 144458 | 15.392 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.05 | 45 | 123604 | 15.711 | ng | | 99 |
| 17) 2-Methylphenol | 7.99 | 107 | 110575 | 14.812 | ng | | 98 |
| 18) Hexachloroethane | 8.58 | 117 | 54151 | 15.329 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.34 | 70 | 134756 | 14.849 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.33 | 107 | 148041 | 14.436 | ng | | 98 |
| 22) Acetophenone | 8.37 | 105 | 216825 | 15.994 | ng | | 97 |
| 24) Nitrobenzene | 8.75 | 77 | 194397 | 16.861 | ng | | 100 |
| 25) Isophorone | 9.26 | 82 | 347394 | 16.034 | ng | | 99 |
| 26) 2-Nitrophenol | 9.45 | 139 | 74792 | 15.222 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.51 | 122 | 102797 | 14.797 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 9.75 | 93 | 190948 | 15.739 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 9.99 | 162 | 120730 | 15.302 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.18 | 180 | 138377 | 16.295 | ng | | 99 |
| 31) Naphthalene | 10.36 | 128 | 435516 | 16.313 | ng | | 99 |
| 32) Benzoic acid | 9.67 | 122 | 78336m | 15.779 | ng | | |
| 33) 4-Chloroaniline | 10.51 | 127 | 167825 | 15.259 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.61 | 225 | 81480 | 16.269 | ng | | 99 |
| 35) Caprolactam | 11.33 | 113 | 42970 | 14.388 | ng | | 87 |
| 36) 4-Chloro-3-methylphenol | 11.64 | 107 | 155140 | 15.825 | ng | | 97 |
| 37) 2-Methylnaphthalene | 11.99 | 142 | 314668 | 16.189 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.20 | 142 | 311436 | 16.228 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.36 | 216 | 146883 | 15.747 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.31 | 237 | 18387 | 16.420 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 12.63 | 196 | 98798 | 15.623 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 12.71 | 196 | 96155 | 14.609 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.02 | 154 | 426143 | 16.272 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.06 | 162 | 325140 | 16.276 | ng | | 99 |
| 48) 2-Nitroaniline | 13.31 | 65 | 110084 | 15.289 | ng | | 97 |
| 49) Acenaphthylene | 13.92 | 152 | 557452 | 16.039 | ng | | 99 |
| 50) Dimethylphthalate | 13.67 | 163 | 437048 | 16.387 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.80 | 165 | 94721 | 16.061 | ng | | 88 |
| 52) Acenaphthene | 14.26 | 154 | 312372 | 16.209 | ng | | 99 |
| 53) 3-Nitroaniline | 14.15 | 138 | 89879 | 15.262 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.39 | 184 | 33487 | 16.098 | ng | | 91 |
| 55) Dibenzofuran | 14.60 | 168 | 507879 | 16.116 | ng | | 99 |
| 56) 4-Nitrophenol | 14.49 | 139 | 51248 | 16.081 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.62 | 165 | 127679 | 15.061 | ng | # | 98 |
| 58) Fluorene | 15.26 | 166 | 416229 | 15.587 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.84 | 232 | 94972 | 15.814 | ng | | 98 |
| 60) Diethylphthalate | 15.04 | 149 | 448060 | 16.153 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.25 | 204 | 199317 | 15.503 | ng | | 94 |
| 62) 4-Nitroaniline | 15.33 | 138 | 81602 | 14.064 | ng | | 96 |
| 63) Azobenzene | 15.55 | 77 | 482712 | 16.282 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.39 | 198 | 57930 | 13.621 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.48 | 169 | 349482 | 16.037 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.15 | 248 | 122441 | 15.977 | ng | | 98 |
| 68) Hexachlorobenzene | 16.26 | 284 | 147030 | 15.989 | ng | | 99 |
| 69) Atrazine | 16.44 | 200 | 125273 | 16.934 | ng | | 99 |
| 70) Pentachlorophenol | 16.63 | 266 | 66343 | 14.120 | ng | | 99 |
| 71) Phenanthrene | 17.00 | 178 | 638953 | 16.153 | ng | | 100 |
| 72) Anthracene | 17.10 | 178 | 622816 | 15.817 | ng | | 99 |
| 73) Carbazole | 17.39 | 167 | 578471 | 15.735 | ng | | 99 |
| 74) Di-n-butylphthalate | 17.93 | 149 | 740966 | 15.347 | ng | | 100 |
| 75) Fluoranthene | 19.03 | 202 | 718609 | 15.786 | ng | | 99 |
| 77) Benzidine | 19.25 | 184 | 249533 | 13.266 | ng | | 98 |
| 78) Pyrene | 19.40 | 202 | 739411 | 16.378 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.31 | 149 | 341438 | 15.600 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.16 | 228 | 701288 | 16.239 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.10 | 252 | 265423 | 16.519 | ng | | 98 |
| 83) Chrysene | 21.22 | 228 | 680534 | 16.432 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.07 | 149 | 491765 | 15.092 | ng | | 99 |
| 85) Di-n-octyl phthalate | 21.94 | 149 | 806912 | 15.261 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 25.58 | 276 | 705856 | 17.325 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 22.72 | 252 | 657863 | 15.556 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 22.76 | 252 | 647087 | 16.253 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.28 | 252 | 604599 | 16.135 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 25.59 | 278 | 583708 | 16.157 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 26.26 | 276 | 550441 | 16.822 | ng | | 100 |

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

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