Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072318\
Data File : BM016035.D
Acq On : 23 Jul 2018 20:51
Operator : SJ/JU
Sample : J3762-02
Misc : LOO 20 PPM
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** LOQ-SOIL-02-QT3-2018

Quant Time: Jul 24 06:05:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 23 16:08:38 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.23 | 152 | 41298 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.05 | 136 | 157206 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.86 | 164 | 82748 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.59 | 188 | 179548 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.70 | 240 | 194373 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.07 | 264 | 199592 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.74 | 112 | 321452 | 129.30 | ng | | 0.00 |
| 7) Phenol-d6 | 7.39 | 99 | 398586 | 122.76 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.42 | 82 | 302101 | 89.38 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.34 | 330 | 142450 | 135.73 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.48 | 172 | 611439 | 89.91 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.16 | 244 | 1109535 | 119.49 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 19068 | 16.370 | ng | # | 100 |
| 3) Pyridine | 3.97 | 79 | 44901 | 16.001 | ng | # | 79 |
| 4) n-Nitrosodimethylamine | 3.88 | 42 | 40226 | 18.379 | ng | # | 38 |
| 6) Aniline | 7.56 | 93 | 48117 | 12.871 | ng | | 92 |
| 8) 2-Chlorophenol | 7.79 | 128 | 52995 | 17.935 | ng | | 99 |
| 9) Benzaldehyde | 7.37 | 77 | 46781 | 20.508 | ng | | 89 |
| 10) Phenol | 7.42 | 94 | 58826 | 18.120 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.65 | 93 | 42532 | 16.583 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 8.12 | 146 | 58748 | 16.986 | ng | # | 85 |
| 13) 1,4-Dichlorobenzene | 8.27 | 146 | 60178 | 17.156 | ng | # | 93 |
| 14) 1,2-Dichlorobenzene | 8.59 | 146 | 58641 | 17.085 | ng | # | 93 |
| 15) Benzyl Alcohol | 8.49 | 79 | 40493 | 15.663 | ng | | 89 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.75 | 45 | 65596 | 16.711 | ng | | 97 |
| 17) 2-Methylphenol | 8.68 | 107 | 40673 | 18.329 | ng | # | 86 |
| 18) Hexachloroethane | 9.31 | 117 | 26039 | 17.173 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 9.05 | 70 | 38039 | 16.029 | ng | # | 75 |
| 20) 3+4-Methylphenols | 9.01 | 107 | 52552 | 16.460 | ng | | 89 |
| 22) Acetophenone | 9.07 | 105 | 75379 | 19.043 | ng | # | 80 |
| 24) Nitrobenzene | 9.46 | 77 | 64942 | 19.088 | ng | | 95 |
| 25) Isophorone | 9.98 | 82 | 94880 | 20.522 | ng | # | 94 |
| 26) 2-Nitrophenol | 10.17 | 139 | 23774 | 16.740 | ng | # | 56 |
| 27) 2,4-Dimethylphenol | 10.22 | 122 | 41842 | 21.147 | ng | # | 78 |
| 28) bis(2-Chloroethoxy)methane | 10.46 | 93 | 58982 | 19.629 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.71 | 162 | 44988 | 19.134 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 10.92 | 180 | 52384 | 18.337 | ng | # | 95 |
| 31) Naphthalene | 11.10 | 128 | 159587 | 20.058 | ng | | 98 |
| 32) Benzoic acid | 10.35 | 122 | 25026 | 16.592 | ng | # | 85 |
| 33) 4-Chloroaniline | 11.23 | 127 | 41597 | 12.812 | ng | # | 89 |
| 34) Hexachlorobutadiene | 11.36 | 225 | 36779 | 18.560 | ng | | 96 |
| 35) Caprolactam | 12.02 | 113 | 10007 | 15.367 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 12.33 | 107 | 47834 | 18.497 | ng | | 86 |
| 37) 2-Methylnaphthalene | 12.70 | 142 | 113003 | 21.202 | ng | # | 90 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.06 | 216 | 55052 | 19.542 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 13.02 | 237 | 23125 | 22.792 | ng | | 95 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.30 | 196 | 33733 | 19.139 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.38 | 196 | 35827 | 19.706 | ng | # | 83 |
| 45) 1,1'-Biphenyl | 13.69 | 154 | 139360 | 18.661 | ng | | 96 |
| 46) 2-Chloronaphthalene | 13.74 | 162 | 109197 | 18.800 | ng | # | 89 |
| 47) 2-Nitroaniline | 13.96 | 65 | 32181 | 16.759 | ng | # | 75 |
| 48) Acenaphthylene | 14.59 | 152 | 173215 | 20.371 | ng | | 99 |
| 49) Dimethylphthalate | 14.31 | 163 | 140648 | 19.422 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.44 | 165 | 27851 | 19.114 | ng | # | 51 |
| 51) Acenaphthene | 14.92 | 154 | 101400 | 19.390 | ng | | 98 |
| 52) 3-Nitroaniline | 14.78 | 138 | 21002 | 13.345 | ng | # | 68 |
| 53) 2,4-Dinitrophenol | 15.00 | 184 | 9193 | 19.688 | ng | # | 83 |
| 54) Dibenzofuran | 15.25 | 168 | 164946 | 19.141 | ng | # | 79 |
| 55) 4-Nitrophenol | 15.10 | 139 | 18363 | 16.276 | ng | # | 82 |
| 56) 2,4-Dinitrotoluene | 15.24 | 165 | 37133 | 17.823 | ng | # | 85 |
| 57) Fluorene | 15.90 | 166 | 130145 | 20.323 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.48 | 232 | 30955 | 19.809 | ng | # | 100 |
| 59) Diethylphthalate | 15.65 | 149 | 147397 | 18.884 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 15.88 | 204 | 64887 | 18.202 | ng | # | 80 |
| 61) 4-Nitroaniline | 15.94 | 138 | 23437 | 15.521 | ng | # | 10 |
| 62) Azobenzene | 16.17 | 77 | 159447 | 19.397 | ng | # | 76 |
| 64) 4,6-Dinitro-2-methylphenol | 16.00 | 198 | 16140 | 14.810 | ng | | 85 |
| 65) n-Nitrosodiphenylamine | 16.10 | 169 | 110167 | 18.634 | ng | | 95 |
| 66) 4-Bromophenyl-phenylether | 16.77 | 248 | 37318 | 18.355 | ng | # | 75 |
| 67) Hexachlorobenzene | 16.89 | 284 | 41078 | 18.347 | ng | # | 67 |
| 68) Atrazine | 17.03 | 200 | 39676 | 18.724 | ng | | 97 |
| 69) Pentachlorophenol | 17.24 | 266 | 17560 | 12.666 | ng | | 96 |
| 70) Phenanthrene | 17.63 | 178 | 200626 | 19.958 | ng | | 99 |
| 71) Anthracene | 17.72 | 178 | 200001 | 20.472 | ng | | 98 |
| 72) Carbazole | 17.99 | 167 | 179246 | 17.710 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.51 | 149 | 225573 | 17.886 | ng | # | 96 |
| 74) Fluoranthene | 19.61 | 202 | 219751 | 19.598 | ng | | 99 |
| 76) Benzidine | 19.79 | 184 | 72240 | 13.300 | ng | | 100 |
| 77) Pyrene | 19.97 | 202 | 228913 | 19.652 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.83 | 149 | 107928 | 18.239 | ng | # | 84 |
| 80) Benzo(a)anthracene | 21.69 | 228 | 238198 | 19.897 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.62 | 252 | 48562 | 10.071 | ng | | 95 |
| 82) Chrysene | 21.74 | 228 | 229142 | 19.953 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 150825 | 17.587 | ng | | 91 |
| 84) Di-n-octyl phthalate | 22.48 | 149 | 264474 | 18.349 | ng | # | 89 |
| 85) Indeno(1,2,3-cd)pyrene | 26.50 | 276 | 279498 | 20.510 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 23.35 | 252 | 241442 | 20.546 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 23.40 | 252 | 236134 | 19.827 | ng | | 97 |
| 89) Benzo(a)pyrene | 23.97 | 252 | 233110 | 20.634 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 26.50 | 278 | 235904 | 20.155 | ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 27.25 | 276 | 226988 | 20.504 | ng | # | 94 |

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

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