Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012417\
Data File : BM008856.D
Acq On : 25 Jan 2017 01:53
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02047

**Manual Integrations APPROVED**
mohammad
1/25/2017 3:46:28 PM

Quant Time: Jan 25 04:13:06 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 25 03:34:06 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.93 | 152 | 66732 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.74 | 136 | 287035 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.57 | 164 | 234923 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.32 | 188 | 543334 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.48 | 240 | 642421 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.84 | 264 | 541363 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.39 | 96 | 11845 | 8.77 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.08 | 99 | 118588 | 20.98 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.26 | 67 | 100779 | 22.43 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.46 | 132 | 77374 | 21.01 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.63 | 113 | 89916 | 20.32 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.10 | 128 | 39888 | 21.85 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.82 | 143 | 45082 | 20.30 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.35 | 165 | 99485 | 21.40 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.87 | 131 | 105712 | 20.89 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.97 | 166 | 336134 | 21.84 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.26 | 160 | 400290 | 21.98 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.75 | 143 | 51379 | 19.96 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.56 | 176 | 313893 | 21.47 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.67 | 200 | 60150 | 18.59 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.42 | 188 | 515883 | 21.71 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.70 | 212 | 597169 | 21.19 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.69 | 264 | 502735 | 21.93 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.42 | 88 | 14221 | 8.69 | ng/uL# | 29 |
| 4) Benzaldehyde | 7.08 | 77 | 118891 | 25.57 | ng/ul# | 68 |
| 6) Phenol | 7.11 | 94 | 127813 | 20.74 | ng/ul# | 47 |
| 8) Bis(2-Chloroethyl)ether | 7.36 | 93 | 96114 | 20.82 | ng/ul# | 69 |
| 10) 2-Chlorophenol | 7.49 | 128 | 84028 | 22.09 | ng/ul# | 69 |
| 11) 2-Methylphenol | 8.36 | 108 | 92110 | 20.84 | ng/ul | 95 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.46 | 45 | 182991 | 21.09 | ng/ul# | 91 |
| 14) Acetophenone | 8.76 | 105 | 169762 | 20.93 | ng/ul# | 61 |
| 15) N-Nitroso-di-n-propylamine | 8.74 | 70 | 109281 | 20.67 | ng/ul# | 62 |
| 16) 4-Methylphenol | 8.69 | 108 | 100468 | 21.10 | ng/ul | 98 |
| 17) Hexachloroethane | 9.02 | 117 | 49931 | 21.28 | ng/ul | 94 |
| 20) Nitrobenzene | 9.14 | 77 | 176890 | 21.98 | ng/ul# | 84 |
| 21) Isophorone | 9.66 | 82 | 273757 | 21.07 | ng/ul# | 89 |
| 23) 2-Nitrophenol | 9.85 | 139 | 48247 | 20.95 | ng/ul# | 16 |
| 24) 2,4-Dimethylphenol | 9.90 | 107 | 142421 | 21.69 | ng/ul# | 84 |
| 25) Bis(2-Chloroethoxy)methane | 10.14 | 93 | 140940 | 21.77 | ng/ul | 95 |
| 27) 2,4-Dichlorophenol | 10.37 | 162 | 99909 | 21.88 | ng/ul | 93 |
| 28) Naphthalene | 10.79 | 128 | 281411 | 21.24 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.90 | 127 | 117031 | 22.57 | ng/ul | 93 |
| 31) Hexachlorobutadiene | 11.06 | 225 | 98869 | 22.39 | ng/ul | 94 |
| 32) Caprolactam | 11.68 | 113 | 28125m | 20.03 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.00 | 107 | 124088 | 20.95 | ng/ul# | 90 |
| 34) 2-Methylnaphthalene | 12.39 | 142 | 226631 | 21.06 | ng/ul | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.76 | 216 | 154117 | 21.36 | ng/ul# | 93 |
| 37) Hexachlorocyclopentadiene | 12.73 | 237 | 115432 | 20.69 | ng/ul# | 90 |
| 38) 2,4,6-Trichlorophenol | 13.00 | 196 | 94538 | 21.70 | ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 13.06 | 196 | 99840 | 21.34 | ng/ul | 94 |
| 40) 1,1'-Biphenyl | 13.40 | 154 | 322024 | 22.18 | ng/ul | 97 |
| 41) 2-Chloronaphthalene | 13.45 | 162 | 249529 | 21.84 | ng/ul | 92 |
| 42) 2-Nitroaniline | 13.65 | 65 | 127243 | 22.44 | ng/ul# | 63 |
| 44) Dimethylphthalate | 14.02 | 163 | 322671 | 20.97 | ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 14.15 | 165 | 61170 | 20.75 | ng/ul# | 42 |
| 47) Acenaphthylene | 14.29 | 152 | 384000 | 21.88 | ng/ul | 98 |
| 48) 3-Nitroaniline | 14.47 | 138 | 61474 | 22.05 | ng/ul# | 65 |
| 49) Acenaphthene | 14.63 | 153 | 267490 | 21.67 | ng/ul | 98 |
| 50) 2,4-Dinitrophenol | 14.68 | 184 | 34485 | 16.29 | ng/ul# | 28 |
| 52) 4-Nitrophenol | 14.77 | 109 | 107649 | 20.28 | ng/ul# | 66 |
| 53) Dibenzofuran | 14.97 | 168 | 407558 | 21.47 | ng/ul | 88 |
| 54) 2,4-Dinitrotoluene | 14.93 | 165 | 96748 | 21.38 | ng/ul# | 71 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.19 | 232 | 100561 | 21.40 | ng/ul# | 92 |
| 56) Diethylphthalate | 15.38 | 149 | 358271 | 21.41 | ng/ul | 94 |
| 58) Fluorene | 15.62 | 166 | 339708 | 21.42 | ng/ul | 98 |
| 59) 4-Chlorophenyl-phenylether | 15.61 | 204 | 200349 | 21.81 | ng/ul | 91 |
| 60) 4-Nitroaniline | 15.63 | 138 | 68285 | 21.97 | ng/ul# | 22 |
| 63) 4,6-Dinitro-2-methylphenol | 15.69 | 198 | 66076 | 19.74 | ng/ul# | 54 |
| 64) N-Nitrosodiphenylamine | 15.82 | 169 | 299639 | 21.80 | ng/ul | 97 |
| 65) 4-Bromophenyl-phenylether | 16.50 | 248 | 131837 | 22.35 | ng/ul | 92 |
| 66) Hexachlorobenzene | 16.62 | 284 | 138340 | 21.62 | ng/ul# | 89 |
| 67) Atrazine | 16.77 | 200 | 129812 | 20.63 | ng/ul | 94 |
| 68) Pentachlorophenol | 16.96 | 266 | 85752 | 20.42 | ng/ul | 96 |
| 69) Phenanthrene | 17.36 | 178 | 574692 | 21.47 | ng/ul | 99 |
| 71) Anthracene | 17.45 | 178 | 596455 | 21.79 | ng/ul | 98 |
| 72) Carbazole | 17.72 | 167 | 512837 | 21.36 | ng/ul | 98 |
| 73) Di-n-butylphthalate | 18.27 | 149 | 605606 | 20.97 | ng/ul# | 96 |
| 74) Fluoranthene | 19.37 | 202 | 717961 | 20.64 | ng/ul# | 96 |
| 77) Pyrene | 19.73 | 202 | 752017 | 21.82 | ng/ul# | 94 |
| 78) Butylbenzylphthalate | 20.62 | 149 | 271126 | 21.13 | ng/ul# | 77 |
| 79) 3,3'-Dichlorobenzidine | 21.40 | 252 | 261514 | 21.77 | ng/ul | 95 |
| 80) Benzo(a)anthracene | 21.47 | 228 | 744258 | 21.54 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.38 | 149 | 373910 | 20.97 | ng/ul | 98 |
| 82) Chrysene | 21.52 | 228 | 681924 | 21.23 | ng/ul | 96 |
| 84) Di-n-octyl phthalate | 22.29 | 149 | 613744 | 19.53 | ng/ul# | 82 |
| 85) Benzo(b)fluoranthene | 23.13 | 252 | 697651 | 22.18 | ng/ul# | 98 |
| 86) Benzo(k)fluoranthene | 23.17 | 252 | 637499 | 21.34 | ng/ul# | 98 |
| 88) Benzo(a)pyrene | 23.74 | 252 | 633742 | 21.96 | ng/ul# | 97 |
| 89) Indeno(1,2,3-cd)pyrene | 26.26 | 276 | 671473 | 23.18 | ng/ul# | 91 |
| 90) Dibenzo(a,h)anthracene | 26.27 | 278 | 565019 | 22.53 | ng/ul# | 95 |
| 91) Benzo(g,h,i)perylene | 27.00 | 276 | 555178 | 23.57 | ng/ul# | 93 |

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

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