Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122617\
Data File : BM013547.D
Acq On : 26 Dec 2017 22:36
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 27 04:18:32 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 27 03:26:43 2017
Response via : Initial Calibration

**Instrument :** BNA_M
**ClientSampleId :** SSTD02003

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.67 | 152 | 174119 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.45 | 136 | 787930 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.31 | 164 | 477805 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.06 | 188 | 1037678 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.25 | 240 | 840336 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.47 | 264 | 745642 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.22 | 96 | 26199 | 7.45 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.85 | 99 | 287056 | 19.05 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.01 | 67 | 168131 | 19.57 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.20 | 132 | 229341 | 19.48 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.38 | 113 | 239458 | 18.61 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.82 | 128 | 122916 | 19.67 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.54 | 143 | 131734 | 19.70 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.07 | 165 | 266293 | 19.32 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.59 | 131 | 286864 | 22.65 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.73 | 166 | 795973 | 18.72 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.00 | 160 | 1014777 | 19.34 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.53 | 143 | 98172m | 13.29 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.31 | 176 | 691898 | 18.92 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.44 | 200 | 106399 | 16.30 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.16 | 188 | 1007297 | 19.38 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.46 | 212 | 940561 | 22.47 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.33 | 264 | 733383 | 19.31 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.26 | 88 | 29080 | 7.368 | ng/uL# | 67 |
| 4) Benzaldehyde | 6.82 | 77 | 155165 | 20.815 | ng/ul | 93 |
| 6) Phenol | 6.88 | 94 | 280410 | 18.829 | ng/ul | 88 |
| 8) Bis(2-Chloroethyl)ether | 7.10 | 93 | 214392 | 18.828 | ng/ul | 99 |
| 10) 2-Chlorophenol | 7.23 | 128 | 228572 | 19.802 | ng/ul | 97 |
| 11) 2-Methylphenol | 8.11 | 108 | 220662 | 19.158 | ng/ul | 94 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.20 | 45 | 233006 | 19.489 | ng/ul# | 77 |
| 14) Acetophenone | 8.49 | 105 | 377416 | 19.283 | ng/ul | 89 |
| 15) N-Nitroso-di-n-propylamine | 8.48 | 70 | 186230 | 18.890 | ng/ul# | 70 |
| 16) 4-Methylphenol | 8.44 | 108 | 234750 | 19.059 | ng/ul | 89 |
| 17) Hexachloroethane | 8.73 | 117 | 93256 | 18.556 | ng/ul | 82 |
| 20) Nitrobenzene | 8.86 | 77 | 305735 | 19.424 | ng/ul | 97 |
| 21) Isophorone | 9.39 | 82 | 508287 | 18.352 | ng/ul | 96 |
| 23) 2-Nitrophenol | 9.57 | 139 | 133063 | 19.192 | ng/ul# | 87 |
| 24) 2,4-Dimethylphenol | 9.63 | 107 | 284308 | 18.802 | ng/ul | 91 |
| 25) Bis(2-Chloroethoxy)methane | 9.87 | 93 | 307916 | 18.996 | ng/ul | 95 |
| 27) 2,4-Dichlorophenol | 10.10 | 162 | 246555 | 19.369 | ng/ul# | 95 |
| 28) Naphthalene | 10.49 | 128 | 773018 | 19.069 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.61 | 127 | 280290 | 22.858 | ng/ul | 95 |
| 31) Hexachlorobutadiene | 10.77 | 225 | 173410 | 18.807 | ng/ul | 94 |
| 32) Caprolactam | 11.40 | 113 | 66119m | 16.252 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.75 | 107 | 245042 | 17.548 | ng/ul | 89 |
| 34) 2-Methylnaphthalene | 12.11 | 142 | 580390 | 19.046 | ng/ul | 97 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.49 | 216 | 341265 | 19.794 ng/ul | 99 |
| 37) Hexachlorocyclopentadiene | 12.46 | 237 | 188663 | 16.625 ng/ul | 99 |
| 38) 2,4,6-Trichlorophenol | 12.73 | 196 | 209398 | 19.482 ng/ul | 95 |
| 39) 2,4,5-Trichlorophenol | 12.81 | 196 | 221308 | 19.383 ng/ul | 98 |
| 40) 1,1'-Biphenyl | 13.13 | 154 | 782860 | 19.387 ng/ul | 98 |
| 41) 2-Chloronaphthalene | 13.17 | 162 | 629843 | 19.881 ng/ul | 99 |
| 42) 2-Nitroaniline | 13.39 | 65 | 176173 | 18.980 ng/ul | 98 |
| 44) Dimethylphthalate | 13.77 | 163 | 757598 | 18.629 ng/ul | 98 |
| 45) 2,6-Dinitrotoluene | 13.90 | 165 | 152557 | 18.394 ng/ul | 97 |
| 47) Acenaphthylene | 14.03 | 152 | 947142 | 19.506 ng/ul | 98 |
| 48) 3-Nitroaniline | 14.23 | 138 | 135964 | 18.340 ng/ul | 84 |
| 49) Acenaphthene | 14.37 | 153 | 643068 | 19.442 ng/ul | 98 |
| 50) 2,4-Dinitrophenol | 14.45 | 184 | 62067 | 13.523 ng/ul | 90 |
| 52) 4-Nitrophenol | 14.55 | 109 | 95394 | 13.163 ng/ul# | 82 |
| 53) Dibenzofuran | 14.71 | 168 | 929517 | 19.036 ng/ul | 100 |
| 54) 2,4-Dinitrotoluene | 14.69 | 165 | 215230 | 17.839 ng/ul | 96 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.95 | 232 | 195186 | 18.645 ng/ul | 93 |
| 56) Diethylphthalate | 15.15 | 149 | 767639 | 18.821 ng/ul | 95 |
| 58) Fluorene | 15.36 | 166 | 769253 | 19.043 ng/ul | 98 |
| 59) 4-Chlorophenyl-phenylether | 15.36 | 204 | 420957 | 19.200 ng/ul | 99 |
| 60) 4-Nitroaniline | 15.40 | 138 | 125657 | 14.366 ng/ul | 98 |
| 63) 4,6-Dinitro-2-methylphenol | 15.46 | 198 | 107703 | 16.511 ng/ul | 97 |
| 64) N-Nitrosodiphenylamine | 15.57 | 169 | 641557 | 20.988 ng/ul | 100 |
| 65) 4-Bromophenyl-phenylether | 16.26 | 248 | 262052 | 21.483 ng/ul | 98 |
| 66) Hexachlorobenzene | 16.36 | 284 | 270619 | 20.117 ng/ul# | 84 |
| 67) Atrazine | 16.53 | 200 | 227828 | 20.193 ng/ul | 94 |
| 68) Pentachlorophenol | 16.72 | 266 | 122867 | 15.792 ng/ul | 96 |
| 69) Phenanthrene | 17.10 | 178 | 1152970 | 19.558 ng/ul | 98 |
| 71) Anthracene | 17.19 | 178 | 1149188 | 19.071 ng/ul | 99 |
| 72) Carbazole | 17.47 | 167 | 879710 | 16.973 ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.03 | 149 | 1248162 | 20.628 ng/ul | 99 |
| 74) Fluoranthene | 19.12 | 202 | 1168209 | 16.170 ng/ul# | 91 |
| 77) Pyrene | 19.49 | 202 | 1163166 | 22.784 ng/ul# | 92 |
| 78) Butylbenzylphthalate | 20.39 | 149 | 449425 | 22.531 ng/ul | 96 |
| 79) 3,3'-Dichlorobenzidine | 21.17 | 252 | 284415 | 16.100 ng/ul# | 91 |
| 80) Benzo(a)anthracene | 21.24 | 228 | 1008794 | 18.921 ng/ul | 98 |
| 81) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 660188 | 21.958 ng/ul | 98 |
| 82) Chrysene | 21.29 | 228 | 947969 | 19.164 ng/ul | 99 |
| 84) Di-n-octyl phthalate | 22.04 | 149 | 980482 | 18.492 ng/ul | 98 |
| 85) Benzo(b)fluoranthene | 22.81 | 252 | 952797 | 18.956 ng/ul# | 96 |
| 86) Benzo(k)fluoranthene | 22.85 | 252 | 918059 | 19.408 ng/ul# | 98 |
| 88) Benzo(a)pyrene | 23.37 | 252 | 862138 | 19.094 ng/ul# | 97 |
| 89) Indeno(1,2,3-cd)pyrene | 25.70 | 276 | 921881 | 20.577 ng/ul# | 94 |
| 90) Dibenzo(a,h)anthracene | 25.71 | 278 | 773998 | 20.289 ng/ul# | 96 |
| 91) Benzo(g,h,i)perylene | 26.38 | 276 | 738364 | 20.894 ng/ul# | 96 |

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

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