Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010682.D
Acq On : 23 Jun 2017 04:32
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02045

**Manual Integrations APPROVED**
mohammad
6/26/2017 8:26:43 AM

Quant Time: Jun 23 07:08:06 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 23 05:06:10 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.46 | 152 | 69367 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.22 | 136 | 313961 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.12 | 164 | 225692 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.87 | 188 | 575687 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.09 | 240 | 654882 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.22 | 264 | 512716 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.07 | 96 | 9616 | 7.94 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.65 | 99 | 118793 | 17.98 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.81 | 67 | 61920 | 16.41 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.00 | 132 | 87609 | 18.90 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.17 | 113 | 98718 | 18.02 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.60 | 128 | 47724 | 21.31 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.32 | 143 | 56220 | 21.79 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.85 | 165 | 111409 | 20.51 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.36 | 131 | 129836 | 22.68 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.53 | 166 | 387691 | 19.57 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.80 | 160 | 447808 | 19.43 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.33 | 143 | 64159 | 18.40 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.12 | 176 | 337371 | 19.70 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.24 | 200 | 73994 | 20.93 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 16.97 | 188 | 553991m | 19.93 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.27 | 212 | 628291 | 20.65 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.09 | 264 | 497055 | 20.06 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.10 | 88 | 10465 | 7.738 | ng/uL# | 45 |
| 4) Benzaldehyde | 6.62 | 77 | 82507 | 21.215 | ng/ul | 92 |
| 6) Phenol | 6.67 | 94 | 121379 | 17.834 | ng/ul | 92 |
| 8) Bis(2-Chloroethyl)ether | 6.90 | 93 | 88268 | 17.814 | ng/ul | 89 |
| 10) 2-Chlorophenol | 7.03 | 128 | 88789 | 19.162 | ng/ul | 96 |
| 11) 2-Methylphenol | 7.90 | 108 | 96343 | 18.572 | ng/ul | 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.00 | 45 | 54984 | 15.896 | ng/ul# | 84 |
| 14) Acetophenone | 8.27 | 105 | 167958 | 18.776 | ng/ul | 90 |
| 15) N-Nitroso-di-n-propylamine | 8.27 | 70 | 87365 | 18.124 | ng/ul# | 91 |
| 16) 4-Methylphenol | 8.23 | 108 | 104754 | 18.353 | ng/ul | 91 |
| 17) Hexachloroethane | 8.52 | 117 | 42223 | 20.492 | ng/ul# | 75 |
| 20) Nitrobenzene | 8.65 | 77 | 130779 | 20.010 | ng/ul | 96 |
| 21) Isophorone | 9.17 | 82 | 235291 | 18.113 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.35 | 139 | 57560 | 21.029 | ng/ul | 92 |
| 24) 2,4-Dimethylphenol | 9.42 | 107 | 142146 | 20.418 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 9.66 | 93 | 129527 | 17.981 | ng/ul | 95 |
| 27) 2,4-Dichlorophenol | 9.87 | 162 | 110829 | 20.957 | ng/ul# | 90 |
| 28) Naphthalene | 10.27 | 128 | 309421 | 19.804 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.39 | 127 | 130919 | 22.740 | ng/ul | 91 |
| 31) Hexachlorobutadiene | 10.56 | 225 | 84828 | 21.270 | ng/ul | 95 |
| 32) Caprolactam | 11.15 | 113 | 34600m | 18.643 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.52 | 107 | 135145 | 20.036 | ng/ul | 91 |
| 34) 2-Methylnaphthalene | 11.90 | 142 | 250647 | 19.957 | ng/ul | 99 |

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|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.27 | 216 | 163220 | 20.491 | ng/ul# | 97 |
| 37) Hexachlorocyclopentadiene | 12.26 | 237 | 84957 | 18.554 | ng/ul# | 97 |
| 38) 2,4,6-Trichlorophenol | 12.53 | 196 | 109744 | 20.175 | ng/ul | 96 |
| 39) 2,4,5-Trichlorophenol | 12.59 | 196 | 114917 | 20.461 | ng/ul | 98 |
| 40) 1,1'-Biphenyl | 12.93 | 154 | 345121 | 19.559 | ng/ul | 99 |
| 41) 2-Chloronaphthalene | 12.97 | 162 | 277060 | 19.955 | ng/ul | 95 |
| 42) 2-Nitroaniline | 13.19 | 65 | 85018 | 20.932 | ng/ul | 97 |
| 44) Dimethylphthalate | 13.58 | 163 | 381213 | 19.629 | ng/ul | 100 |
| 45) 2,6-Dinitrotoluene | 13.70 | 165 | 74848 | 22.251 | ng/ul# | 84 |
| 47) Acenaphthylene | 13.83 | 152 | 429851 | 19.584 | ng/ul | 97 |
| 48) 3-Nitroaniline | 14.02 | 138 | 70118 | 20.667 | ng/ul | 99 |
| 49) Acenaphthene | 14.17 | 153 | 284383 | 19.207 | ng/ul | 98 |
| 50) 2,4-Dinitrophenol | 14.23 | 184 | 49722 | 20.409 | ng/ul# | 82 |
| 52) 4-Nitrophenol | 14.34 | 109 | 100404 | 22.697 | ng/ul# | 83 |
| 53) Dibenzofuran | 14.52 | 168 | 448024 | 19.980 | ng/ul | 96 |
| 54) 2,4-Dinitrotoluene | 14.49 | 165 | 110997 | 21.269 | ng/ul# | 90 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.74 | 232 | 113111 | 19.906 | ng/ul# | 88 |
| 56) Diethylphthalate | 14.97 | 149 | 395022 | 19.333 | ng/ul | 96 |
| 58) Fluorene | 15.17 | 166 | 360232 | 19.188 | ng/ul | 98 |
| 59) 4-Chlorophenyl-phenylether | 15.17 | 204 | 203764 | 19.970 | ng/ul | 91 |
| 60) 4-Nitroaniline | 15.20 | 138 | 83193 | 20.762 | ng/ul | 86 |
| 63) 4,6-Dinitro-2-methylphenol | 15.26 | 198 | 75819 | 20.124 | ng/ul | 94 |
| 64) N-Nitrosodiphenylamine | 15.39 | 169 | 312974 | 19.603 | ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.07 | 248 | 129537 | 19.652 | ng/ul# | 88 |
| 66) Hexachlorobenzene | 16.17 | 284 | 139045 | 20.030 | ng/ul# | 85 |
| 67) Atrazine | 16.36 | 200 | 141881 | 21.094 | ng/ul | 97 |
| 68) Pentachlorophenol | 16.52 | 266 | 94899 | 19.390 | ng/ul | 98 |
| 69) Phenanthrene | 16.91 | 178 | 600607 | 19.624 | ng/ul | 98 |
| 71) Anthracene | 17.00 | 178 | 625616 | 19.841 | ng/ul | 99 |
| 72) Carbazole | 17.27 | 167 | 527176 | 19.164 | ng/ul | 96 |
| 73) Di-n-butylphthalate | 17.86 | 149 | 662717 | 18.946 | ng/ul | 100 |
| 74) Fluoranthene | 18.94 | 202 | 768367 | 19.480 | ng/ul | 98 |
| 77) Pyrene | 19.30 | 202 | 782169 | 20.678 | ng/ul# | 98 |
| 78) Butylbenzylphthalate | 20.24 | 149 | 307560 | 21.629 | ng/ul | 98 |
| 79) 3,3'-Dichlorobenzidine | 21.01 | 252 | 268355 | 20.484 | ng/ul# | 98 |
| 80) Benzo(a)anthracene | 21.07 | 228 | 777280 | 20.382 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.02 | 149 | 440343 | 20.296 | ng/ul# | 97 |
| 82) Chrysene | 21.12 | 228 | 691193 | 20.328 | ng/ul | 98 |
| 84) Di-n-octyl phthalate | 21.88 | 149 | 728705 | 20.339 | ng/ul# | 95 |
| 85) Benzo(b)fluoranthene | 22.59 | 252 | 711068 | 21.365 | ng/ul | 97 |
| 86) Benzo(k)fluoranthene | 22.63 | 252 | 641111 | 20.319 | ng/ul | 99 |
| 88) Benzo(a)pyrene | 23.13 | 252 | 616775 | 20.129 | ng/ul | 99 |
| 89) Indeno(1,2,3-cd)pyrene | 25.33 | 276 | 587496 | 18.487 | ng/ul | 99 |
| 90) Dibenzo(a,h)anthracene | 25.35 | 278 | 494392 | 18.668 | ng/ul | 99 |
| 91) Benzo(g,h,i)perylene | 25.98 | 276 | 474778 | 18.768 | ng/ul | 98 |

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

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