Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032317\
Data File : BM009342.D
Acq On : 23 Mar 2017 14:14
Operator : SJ/MA
Sample : SSTD08055
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD08055

**Manual Integrations APPROVED**
mohammad
3/24/2017 4:09:25 PM

Quant Time: Mar 23 14:50:47 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032317MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 23 14:28:17 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.86 | 152 | 174602 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.66 | 136 | 696838 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.50 | 164 | 474895 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.25 | 188 | 962566m | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.43 | 240 | 1195849 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.76 | 264 | 1129721 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.33 | 96 | 139156 | 35.10 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.02 | 99 | 1288961 | 68.24 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.19 | 67 | 912932m | 74.21 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.39 | 132 | 922891 | 79.96 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.56 | 113 | 992166 | 65.84 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.03 | 128 | 448747 | 90.17 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.75 | 143 | 510230 | 92.38 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.27 | 165 | 975515 | 82.68 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.80 | 131 | 1025347 | 72.87 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.92 | 166 | 2762127 | 76.58 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.20 | 160 | 3502212 | 84.44 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.71 | 143 | 510747 | 71.33 | ng/ul | 0.01 |
| 57) Fluorene-d10 | 15.50 | 176 | 2495026 | 77.53 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.62 | 200 | 533733 | 92.68 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.35 | 188 | 3916703 | 85.98 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.64 | 212 | 4419311 | 91.56 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.62 | 264 | 4398871 | 85.11 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.36 | 88 | 154481 | 36.73 | ng/uL# | 70 |
| 4) Benzaldehyde | 7.01 | 77 | 870988 | 68.81 | ng/ul | 83 |
| 6) Phenol | 7.05 | 94 | 1380088 | 68.42 | ng/ul# | 80 |
| 8) Bis(2-Chloroethyl)ether | 7.29 | 93 | 1068193 | 73.94 | ng/ul# | 79 |
| 10) 2-Chlorophenol | 7.42 | 128 | 940319 | 78.99 | ng/ul# | 73 |
| 11) 2-Methylphenol | 8.30 | 108 | 965628 | 66.08 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.39 | 45 | 1735996 | 72.13 | ng/ul# | 86 |
| 14) Acetophenone | 8.69 | 105 | 1647214 | 65.08 | ng/ul# | 75 |
| 15) N-Nitroso-di-n-propylamine | 8.68 | 70 | 995463 | 64.15 | ng/ul# | 78 |
| 16) 4-Methylphenol | 8.63 | 108 | 1050173 | 63.39 | ng/ul | 99 |
| 17) Hexachloroethane | 8.93 | 117 | 450838 | 86.50 | ng/ul | 94 |
| 20) Nitrobenzene | 9.08 | 77 | 1452468 | 87.53 | ng/ul# | 82 |
| 21) Isophorone | 9.59 | 82 | 2500147 | 76.17 | ng/ul# | 91 |
| 23) 2-Nitrophenol | 9.78 | 139 | 529492 | 88.05 | ng/ul# | 63 |
| 24) 2,4-Dimethylphenol | 9.83 | 107 | 1249638 | 80.98 | ng/ul | 91 |
| 25) Bis(2-Chloroethoxy)methane | 10.07 | 93 | 1395028 | 77.52 | ng/ul# | 97 |
| 27) 2,4-Dichlorophenol | 10.30 | 162 | 973109 | 83.32 | ng/ul | 96 |
| 28) Naphthalene | 10.71 | 128 | 2955249 | 82.70 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.83 | 127 | 1074157 | 72.04 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.98 | 225 | 710988 | 88.31 | ng/ul | 98 |
| 32) Caprolactam | 11.62 | 113 | 296131m | 60.71 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.95 | 107 | 1095012 | 71.44 | ng/ul | 92 |
| 34) 2-Methylnaphthalene | 12.32 | 142 | 2170690 | 76.30 | ng/ul | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.69 | 216 | 1306992 | 91.51 ng/ul | 98 |
| 37) Hexachlorocyclopentadiene | 12.66 | 237 | 840416 | 104.07 ng/ul | 99 |
| 38) 2,4,6-Trichlorophenol | 12.93 | 196 | 804752 | 88.86 ng/ul | 99 |
| 39) 2,4,5-Trichlorophenol | 13.00 | 196 | 862097 | 83.10 ng/ul | 98 |
| 40) 1,1'-Biphenyl | 13.33 | 154 | 2880827 | 86.59 ng/ul# | 96 |
| 41) 2-Chloronaphthalene | 13.38 | 162 | 2226966 | 86.49 ng/ul | 96 |
| 42) 2-Nitroaniline | 13.59 | 65 | 897341 | 84.84 ng/ul# | 64 |
| 44) Dimethylphthalate | 13.96 | 163 | 2726452 | 75.37 ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 14.09 | 165 | 577991 | 83.05 ng/ul# | 82 |
| 47) Acenaphthylene | 14.23 | 152 | 3492378 | 84.11 ng/ul | 100 |
| 48) 3-Nitroaniline | 14.42 | 138 | 523695 | 70.66 ng/ul# | 75 |
| 49) Acenaphthene | 14.57 | 153 | 2404846 | 82.33 ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.63 | 184 | 392766 | 86.08 ng/ul# | 85 |
| 52) 4-Nitrophenol | 14.72 | 109 | 586854 | 70.16 ng/ul# | 72 |
| 53) Dibenzofuran | 14.90 | 168 | 3415050 | 79.32 ng/ul | 96 |
| 54) 2,4-Dinitrotoluene | 14.87 | 165 | 850471 | 79.32 ng/ul# | 64 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.13 | 232 | 797522 | 80.09 ng/ul | 92 |
| 56) Diethylphthalate | 15.33 | 149 | 2825099 | 74.58 ng/ul | 98 |
| 58) Fluorene | 15.56 | 166 | 2887307 | 77.72 ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.55 | 204 | 1513414 | 79.28 ng/ul# | 88 |
| 60) 4-Nitroaniline | 15.59 | 138 | 537374 | 63.86 ng/ul# | 68 |
| 63) 4,6-Dinitro-2-methylphenol | 15.64 | 198 | 557038 | 92.10 ng/ul# | 85 |
| 64) N-Nitrosodiphenylamine | 15.76 | 169 | 2441763 | 90.27 ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.44 | 248 | 920899 | 88.56 ng/ul | 92 |
| 66) Hexachlorobenzene | 16.55 | 284 | 1011170 | 87.41 ng/ul | 94 |
| 67) Atrazine | 16.72 | 200 | 932700 | 82.47 ng/ul | 93 |
| 68) Pentachlorophenol | 16.90 | 266 | 645384 | 84.92 ng/ul | 97 |
| 69) Phenanthrene | 17.30 | 178 | 4514159m | 84.27 ng/ul | |
| 71) Anthracene | 17.39 | 178 | 4662006 | 85.34 ng/ul | 99 |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.30 | 216 | 1185563 | 104.84 ng/uL | 99 |
| 73) Pentachlorobenzene | 14.82 | 250 | 1144337 | 94.24 ng/uL | 98 |
| 74) Carbazole | 17.66 | 167 | 4091693 | 80.24 ng/ul | 98 |
| 75) Di-n-butylphthalate | 18.21 | 149 | 4878279 | 83.01 ng/ul# | 98 |
| 76) Fluoranthene | 19.31 | 202 | 5460446 | 80.87 ng/ul | 97 |
| 79) Pyrene | 19.67 | 202 | 5693216 | 91.64 ng/ul | 97 |
| 80) Butylbenzylphthalate | 20.56 | 149 | 2274946 | 91.11 ng/ul# | 80 |
| 81) 3,3'-Dichlorobenzidine | 21.34 | 252 | 1931163 | 85.26 ng/ul | 99 |
| 82) Benzo(a)anthracene | 21.42 | 228 | 5778833 | 84.54 ng/ul | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.32 | 149 | 3323085 | 85.50 ng/ul# | 98 |
| 84) Chrysene | 21.47 | 228 | 5421010 | 84.09 ng/ul | 99 |
| 86) Di-n-octyl phthalate | 22.22 | 149 | 5773850 | 95.04 ng/ul# | 86 |
| 87) Benzo(b)fluoranthene | 23.05 | 252 | 5736080 | 85.91 ng/ul# | 97 |
| 88) Benzo(k)fluoranthene | 23.10 | 252 | 5514352 | 86.40 ng/ul# | 98 |
| 90) Benzo(a)pyrene | 23.66 | 252 | 5513235 | 84.94 ng/ul# | 97 |
| 91) Indeno(1,2,3-cd)pyrene | 26.14 | 276 | 6327224 | 81.27 ng/ul# | 92 |
| 92) Dibenzo(a,h)anthracene | 26.15 | 278 | 5397166 | 81.96 ng/ul# | 94 |
| 93) Benzo(g,h,i)perylene | 26.87 | 276 | 5164354 | 80.14 ng/ul# | 92 |

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

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