Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090817\
Data File : BM011473.D
Acq On : 08 Sep 2017 15:39
Operator : SJ/JU
Sample : SSTD08006
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD08006

**Manual Integrations APPROVED**
Sohil
9/11/2017 4:45:49 PM

Quant Time: Sep 08 16:32:42 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 08 15:18:27 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.98 | 152 | 517700 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.79 | 136 | 2370464 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.61 | 164 | 1402999 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.35 | 188 | 3078949 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.52 | 240 | 3394771 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.89 | 264 | 2950121 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.39 | 96 | 367666 | 46.02 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.13 | 99 | 4360864 | 111.50 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.31 | 67 | 2807797 | 143.60 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.52 | 132 | 3365538 | 102.09 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.69 | 113 | 3338481 | 95.64 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5 | 9.15 | 128 | 1630768 | 98.43 | ng/ul | 0.01 |
| 22) 2-Nitrophenol-d4 | 9.87 | 143 | 1775927 | 84.16 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.41 | 165 | 3374509 | 81.25 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4 | 10.93 | 131 | 3915960 | 93.48 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.02 | 166 | 9722941 | 76.58 | ng/ul | 0.01 |
| 47) Acenaphthylene-d8 | 14.31 | 160 | 12257105 | 89.23 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.81 | 143 | 1937181 | 101.56 | ng/ul | 0.02 |
| 58) Fluorene-d10 | 15.60 | 176 | 8476692 | 72.47 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.72 | 200 | 1614737 | 73.64 | ng/ul | 0.01 |
| 71) Anthracene-d10 | 17.46 | 188 | 12504579 | 84.81 | ng/ul | 0.01 |
| 79) Pyrene-d10 | 19.73 | 212 | 13383630 | 88.76 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.74 | 264 | 12174925 | 89.72 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.43 | 88 | 398939 | 46.581 | ng/uL# | 72 |
| 4) Benzaldehyde | 7.12 | 77 | 2334905 | 120.663 | ng/ul | 92 |
| 6) Phenol | 7.16 | 94 | 4282390 | 112.914 | ng/ul | 97 |
| 8) Bis(2-Chloroethyl)ether | 7.40 | 93 | 3256266 | 121.298 | ng/ul# | 87 |
| 10) 2-Chlorophenol | 7.55 | 128 | 3200874 | 105.406 | ng/ul | 94 |
| 11) 2-Methylphenol | 8.42 | 108 | 3243517 | 109.690 | ng/ul | 94 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.52 | 45 | 5226970 | 148.320 | ng/ul | 94 |
| 14) Acetophenone | 8.81 | 105 | 5086005 | 100.285 | ng/ul# | 96 |
| 15) N-Nitroso-di-n-propylamine | 8.80 | 70 | 2796192 | 117.452 | ng/ul# | 83 |
| 16) 4-Methylphenol | 8.76 | 108 | 3523956 | 107.414 | ng/ul | 91 |
| 17) Hexachloroethane | 9.07 | 117 | 1221755 | 100.567 | ng/ul | 85 |
| 20) Nitrobenzene | 9.19 | 77 | 3715345 | 104.423 | ng/ul | 92 |
| 21) Isophorone | 9.73 | 82 | 7448586 | 109.551 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.90 | 139 | 1817972 | 89.407 | ng/ul# | 93 |
| 24) 2,4-Dimethylphenol | 9.96 | 107 | 3683837 | 90.576 | ng/ul | 90 |
| 25) Bis(2-Chloroethoxy)methane | 10.20 | 93 | 4661039 | 118.011 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 10.43 | 162 | 3209029 | 81.084 | ng/ul | 97 |
| 28) Naphthalene | 10.84 | 128 | 10251398 | 95.814 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.95 | 127 | 3703041 | 92.887 | ng/ul | 96 |
| 31) Hexachlorobutadiene | 11.12 | 225 | 1800597 | 52.587 | ng/ul | 98 |
| 32) Caprolactam | 11.76 | 113 | 1006374m | 79.228 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.07 | 107 | 3446191 | 89.367 | ng/ul | 95 |
| 34) 2-Methylnaphthalene | 12.45 | 142 | 7709857 | 83.498 | ng/ul | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.66 | 142 | 7371454 | 82.332 | ng/ul | 95 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.81 | 216 | 3559993 | 65.863 | ng/ul# | 96 |
| 38) Hexachlorocyclopentadiene | 12.79 | 237 | 2097797 | 66.193 | ng/ul# | 97 |
| 39) 2,4,6-Trichlorophenol | 13.05 | 196 | 2511032 | 77.834 | ng/ul | 99 |
| 40) 2,4,5-Trichlorophenol | 13.12 | 196 | 2548297 | 74.350 | ng/ul | 98 |
| 41) 1,1'-Biphenyl | 13.45 | 154 | 9571525 | 93.862 | ng/ul# | 96 |
| 42) 2-Chloronaphthalene | 13.50 | 162 | 7343242 | 89.285 | ng/ul | 97 |
| 43) 2-Nitroaniline | 13.70 | 65 | 2583966 | 133.306 | ng/ul | 88 |
| 45) Dimethylphthalate | 14.07 | 163 | 9277691 | 79.757 | ng/ul# | 98 |
| 46) 2,6-Dinitrotoluene | 14.19 | 165 | 1901066 | 81.414 | ng/ul | 95 |
| 48) Acenaphthylene | 14.34 | 152 | 11935847 | 91.687 | ng/ul | 98 |
| 49) 3-Nitroaniline | 14.52 | 138 | 2123151 | 109.405 | ng/ul | 96 |
| 50) Acenaphthene | 14.68 | 153 | 8029626 | 90.074 | ng/ul | 96 |
| 51) 2,4-Dinitrophenol | 14.72 | 184 | 1133319 | 76.036 | ng/ul# | 77 |
| 53) 4-Nitrophenol | 14.83 | 109 | 1253157 | 80.783 | ng/ul# | 61 |
| 54) Dibenzofuran | 15.02 | 168 | 10935127 | 80.680 | ng/ul | 99 |
| 55) 2,4-Dinitrotoluene | 14.97 | 165 | 2720697 | 78.016 | ng/ul# | 79 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.23 | 232 | 2322847 | 63.640 | ng/ul# | 77 |
| 57) Diethylphthalate | 15.43 | 149 | 9803181 | 80.274 | ng/ul | 98 |
| 59) Fluorene | 15.66 | 166 | 9086816 | 77.275 | ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.65 | 204 | 4414905 | 62.855 | ng/ul | 93 |
| 61) 4-Nitroaniline | 15.69 | 138 | 2279811 | 98.910 | ng/ul# | 85 |
| 64) 4,6-Dinitro-2-methylphenol | 15.74 | 198 | 1628761 | 77.534 | ng/ul# | 96 |
| 65) N-Nitrosodiphenylamine | 15.86 | 169 | 7797456 | 100.327 | ng/ul | 99 |
| 66) 4-Bromophenyl-phenylether | 16.54 | 248 | 2782484 | 70.282 | ng/ul# | 91 |
| 67) Hexachlorobenzene | 16.66 | 284 | 3064338 | 68.061 | ng/ul# | 88 |
| 68) Atrazine | 16.81 | 200 | 2785168 | 75.111 | ng/ul | 95 |
| 69) Pentachlorophenol | 17.00 | 266 | 1982857 | 84.356 | ng/ul | 97 |
| 70) Phenanthrene | 17.40 | 178 | 13374991 | 87.374 | ng/ul# | 91 |
| 72) Anthracene | 17.49 | 178 | 13370337 | 83.885 | ng/ul# | 92 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.42 | 216 | 3575452 | 83.259 | ng/uL | 98 |
| 74) Pentachlorobenzene | 14.93 | 250 | 3636972 | 56.990 | ng/uL | 97 |
| 75) Carbazole | 17.76 | 167 | 12885962 | 98.727 | ng/ul# | 94 |
| 76) Di-n-butylphthalate | 18.30 | 149 | 13888768 | 95.836 | ng/ul# | 91 |
| 77) Fluoranthene | 19.40 | 202 | 13953904 | 71.324 | ng/ul# | 75 |
| 80) Pyrene | 19.76 | 202 | 14045411 | 79.712 | ng/ul# | 71 |
| 81) Butylbenzylphthalate | 20.64 | 149 | 8412785 | 160.667 | ng/ul | 95 |
| 82) 3,3'-Dichlorobenzidine | 21.43 | 252 | 5175881 | 83.339 | ng/ul# | 98 |
| 83) Benzo(a)anthracene | 21.50 | 228 | 13798100 | 76.518 | ng/ul# | 84 |
| 84) Bis(2-ethylhexyl)phthalate | 21.41 | 149 | 11386827 | 148.651 | ng/ul# | 84 |
| 85) Chrysene | 21.55 | 228 | 12812089 | 77.672 | ng/ul | 95 |
| 87) Di-n-octyl phthalate | 22.32 | 149 | 15742002m | 135.380 | ng/ul | |
| 88) Benzo(b)fluoranthene | 23.17 | 252 | 15107258 | 91.982 | ng/ul# | 93 |
| 89) Benzo(k)fluoranthene | 23.23 | 252 | 14158111 | 88.425 | ng/ul# | 94 |
| 91) Benzo(a)pyrene | 23.80 | 252 | 13981230 | 88.470 | ng/ul# | 93 |
| 92) Indeno(1,2,3-cd)pyrene | 26.35 | 276 | 14696167 | 76.629 | ng/ul# | 83 |
| 93) Dibenzo(a,h)anthracene | 26.36 | 278 | 12752984 | 77.528 | ng/ul# | 94 |
| 94) Benzo(g,h,i)perylene | 27.10 | 276 | 11830933 | 74.410 | ng/ul# | 91 |

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|---|---|---|---|---|---|---|

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

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