Quantitation Report (QT Reviewed)

Data Path : U:\HPCHEM1\BNA M\DATA\BM011018\
Data File : BM013557.D
Acq On : 10 Jan 2018 09:14
Operator : SJ/JU
Sample : SSTD00508
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD00508

**Manual Integrations APPROVED**
Sohil
1/10/2018 5:55:10 PM

Quant Time: Jan 10 12:21:41 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 10 12:03:11 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.63 | 152 | 89354 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.40 | 136 | 337810 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.27 | 164 | 201383 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.03 | 188 | 473002 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.22 | 240 | 568664 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.43 | 264 | 581947 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.18 | 96 | 4860 | 2.69 | ng/uL | 0.00 |
| 5) Phenol-d5 | 0.00 | 99 | 0d | 0.00 | ng/ul | |
| 7) Bis-(2-Chloroethyl)ether-d | 0.00 | 67 | 0d | 0.00 | ng/ul | |
| 9) 2-Chlorophenol-d4 | 7.16 | 132 | 26598 | 4.40 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 0.00 | 113 | 0d | 0.00 | ng/ul | |
| 19) Nitrobenzene-d5 | 8.78 | 128 | 13214 | 4.93 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.50 | 143 | 13147 | 4.59 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.03 | 165 | 24845m | 4.21 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 0.00 | 131 | 0d | 0.00 | ng/ul | |
| 43) Dimethylphthalate-d6 | 13.69 | 166 | 82839 | 4.62 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.96 | 160 | 101796 | 4.60 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 0.00 | 143 | 0d | 0.00 | ng/ul | |
| 57) Fluorene-d10 | 15.27 | 176 | 70373 | 4.57 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 0.00 | 200 | 0d | 0.00 | ng/ul | |
| 70) Anthracene-d10 | 17.13 | 188 | 112989 | 4.77 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.43 | 212 | 124916 | 4.41 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.29 | 264 | 129465 | 4.37 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.20 | 88 | 6372 | 3.146 | ng/uL# | 54 |
| 10) 2-Chlorophenol | 7.19 | 128 | 27750 | 4.685 | ng/ul# | 87 |
| 15) N-Nitroso-di-n-propylamine | 8.43 | 70 | 20541 | 4.060 | ng/ul# | 64 |
| 17) Hexachloroethane | 8.69 | 117 | 15043 | 5.833 | ng/ul# | 65 |
| 20) Nitrobenzene | 8.82 | 77 | 34922 | 5.175 | ng/ul | 96 |
| 21) Isophorone | 9.35 | 82 | 53893 | 4.538 | ng/ul# | 95 |
| 23) 2-Nitrophenol | 9.53 | 139 | 14563 | 4.899 | ng/ul# | 78 |
| 24) 2,4-Dimethylphenol | 9.60 | 107 | 29349 | 4.527 | ng/ul | 93 |
| 25) Bis(2-Chloroethoxy)methane | 9.83 | 93 | 31921 | 4.593 | ng/ul# | 93 |
| 27) 2,4-Dichlorophenol | 10.06 | 162 | 24095 | 4.415 | ng/ul# | 92 |
| 28) Naphthalene | 10.45 | 128 | 81835 | 4.709 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 10.73 | 225 | 22706 | 5.744 | ng/ul | 95 |
| 33) 4-Chloro-3-methylphenol | 11.72 | 107 | 24454m | 4.085 | ng/ul | |
| 34) 2-Methylnaphthalene | 12.07 | 142 | 62601 | 4.792 | ng/ul | 91 |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.45 | 216 | 37863 | 5.211 | ng/ul# | 91 |
| 38) 2,4,6-Trichlorophenol | 12.70 | 196 | 19398 | 4.282 | ng/ul | 97 |
| 39) 2,4,5-Trichlorophenol | 12.78 | 196 | 20292 | 4.217 | ng/ul | 96 |
| 40) 1,1'-Biphenyl | 13.10 | 154 | 82350 | 4.838 | ng/ul# | 98 |
| 41) 2-Chloronaphthalene | 13.14 | 162 | 64552 | 4.834 | ng/ul | 92 |
| 42) 2-Nitroaniline | 13.36 | 65 | 15482 | 3.957 | ng/ul | 97 |
| 44) Dimethylphthalate | 13.74 | 163 | 84726 | 4.943 | ng/ul# | 96 |
| 45) 2,6-Dinitrotoluene | 13.87 | 165 | 14177 | 4.056 | ng/ul# | 90 |
| 47) Acenaphthylene | 13.99 | 152 | 93629 | 4.575 | ng/ul | 100 |

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|---|---|---|---|---|---|
| 49) Acenaphthene | 14.34 | 153 | 66679 | 4.783 ng/ul | 98 |
| 53) Dibenzofuran | 14.68 | 168 | 101570 | 4.935 ng/ul | 97 |
| 54) 2,4-Dinitrotoluene | 14.66 | 165 | 18159 | 3.571 ng/ul# | 91 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.92 | 232 | 19530 | 4.426 ng/ul# | 93 |
| 56) Diethylphthalate | 15.11 | 149 | 79243 | 4.610 ng/ul | 94 |
| 58) Fluorene | 15.33 | 166 | 81855 | 4.808 ng/ul | 98 |
| 59) 4-Chlorophenyl-phenylether | 15.33 | 204 | 45726 | 4.948 ng/ul | 96 |
| 64) N-Nitrosodiphenylamine | 15.54 | 169 | 70569 | 5.065 ng/ul | 94 |
| 65) 4-Bromophenyl-phenylether | 16.23 | 248 | 28051 | 5.045 ng/ul | 90 |
| 66) Hexachlorobenzene | 16.33 | 284 | 30643 | 4.997 ng/ul# | 84 |
| 69) Phenanthrene | 17.07 | 178 | 130978 | 4.874 ng/ul | 98 |
| 71) Anthracene | 17.16 | 178 | 134836 | 4.909 ng/ul | 97 |
| 73) Di-n-butylphthalate | 18.00 | 149 | 117298 | 4.253 ng/ul# | 96 |
| 77) Pyrene | 19.46 | 202 | 168138 | 4.867 ng/ul# | 96 |
| 78) Butylbenzylphthalate | 20.37 | 149 | 49411 | 3.660 ng/ul | 95 |
| 80) Benzo(a)anthracene | 21.20 | 228 | 167317 | 4.637 ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.14 | 149 | 73987 | 3.636 ng/ul | 96 |
| 82) Chrysene | 21.26 | 228 | 159556 | 4.767 ng/ul | 98 |
| 85) Benzo(b)fluoranthene | 22.77 | 252 | 163228 | 4.161 ng/ul | 94 |
| 86) Benzo(k)fluoranthene | 22.81 | 252 | 171135m | 4.636 ng/ul | |
| 88) Benzo(a)pyrene | 23.33 | 252 | 163944 | 4.652 ng/ul# | 92 |
| 89) Indeno(1,2,3-cd)pyrene | 25.63 | 276 | 207003 | 5.920 ng/ul# | 93 |
| 90) Dibenzo(a,h)anthracene | 25.63 | 278 | 172197 | 5.784 ng/ul# | 96 |
| 91) Benzo(g,h,i)perylene | 26.30 | 276 | 167606 | 6.077 ng/ul# | 94 |

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

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