Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004054.D
Acq On : 15 Jan 2016 19:00
Operator : SJ/UM
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02062

**Manual Integrations APPROVED**
Sohil
1/16/2016 5:01:21 AM

Quant Time: Jan 16 02:58:58 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jan 16 00:22:06 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.66 | 152 | 38258 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.45 | 136 | 180194 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.32 | 164 | 104101 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.07 | 188 | 225274 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.28 | 240 | 179353 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.51 | 264 | 166336 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.13 | 96 | 6010 | 7.03 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.85 | 99 | 68638 | 21.61 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.00 | 67 | 37614 | 20.95 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.20 | 132 | 57502 | 22.03 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.38 | 113 | 58221 | 22.62 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.82 | 128 | 29227 | 21.53 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.55 | 143 | 31778 | 21.36 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.08 | 165 | 57449 | 21.73 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.59 | 131 | 64707 | 18.54 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.73 | 166 | 172079 | 21.06 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.01 | 160 | 215744 | 21.67 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.54 | 143 | 28659 | 19.52 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.32 | 176 | 150362 | 21.69 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.46 | 200 | 20442 | 16.09 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.17 | 188 | 224035 | 21.50 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.47 | 212 | 212175 | 22.84 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.37 | 264 | 180609 | 21.74 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.16 | 88 | 6884 | 6.94 | ng/uL | 98 |
| 4) Benzaldehyde | 6.81 | 77 | 45886 | 24.64 | ng/ul | 97 |
| 6) Phenol | 6.87 | 94 | 73850 | 22.04 | ng/ul | 98 |
| 8) Bis(2-Chloroethyl)ether | 7.09 | 93 | 54354 | 21.55 | ng/ul | 97 |
| 10) 2-Chlorophenol | 7.23 | 128 | 60392 | 22.13 | ng/ul | 98 |
| 11) 2-Methylphenol | 8.12 | 108 | 57751 | 22.54 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.20 | 45 | 60651 | 21.89 | ng/ul | 96 |
| 14) Acetophenone | 8.49 | 105 | 94189 | 23.50 | ng/ul | 97 |
| 15) N-Nitroso-di-n-propylamine | 8.47 | 70 | 46444 | 23.09 | ng/ul | 97 |
| 16) 4-Methylphenol | 8.45 | 108 | 64177 | 23.11 | ng/ul | 96 |
| 17) Hexachloroethane | 8.73 | 117 | 21679 | 20.58 | ng/ul | 97 |
| 20) Nitrobenzene | 8.86 | 77 | 68868 | 21.52 | ng/ul | 98 |
| 21) Isophorone | 9.39 | 82 | 127959 | 21.54 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.57 | 139 | 35371 | 21.43 | ng/ul | 98 |
| 24) 2,4-Dimethylphenol | 9.64 | 107 | 72024 | 21.76 | ng/ul | 100 |
| 25) Bis(2-Chloroethoxy)methane | 9.87 | 93 | 77191 | 21.02 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.11 | 162 | 60154 | 22.06 | ng/ul | 99 |
| 28) Naphthalene | 10.50 | 128 | 204687 | 21.80 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.62 | 127 | 69317 | 19.62 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.79 | 225 | 35941 | 21.41 | ng/ul | 98 |
| 32) Caprolactam | 11.37 | 113 | 18583 | 21.31 | ng/ul | 96 |
| 33) 4-Chloro-3-methylphenol | 11.76 | 107 | 67812 | 22.24 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.12 | 142 | 148990 | 22.44 | ng/ul | 99 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.35 | 142 | 141023 | 22.38 | ng/ul | 98 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.50 | 216 | 72595 | 21.80 | ng/ul | 99 |
| 38) Hexachlorocyclopentadiene | 12.47 | 237 | 11856 | 6.80 | ng/ul | 99 |
| 39) 2,4,6-Trichlorophenol | 12.75 | 196 | 46260 | 21.56 | ng/ul | 100 |
| 40) 2,4,5-Trichlorophenol | 12.82 | 196 | 50274m | 21.61 | ng/ul | |
| 41) 1,1'-Biphenyl | 13.15 | 154 | 189215 | 21.57 | ng/ul | 99 |
| 42) 2-Chloronaphthalene | 13.19 | 162 | 145585 | 22.14 | ng/ul | 99 |
| 43) 2-Nitroaniline | 13.40 | 65 | 41061 | 22.44 | ng/ul | 96 |
| 45) Dimethylphthalate | 13.78 | 163 | 178750 | 21.45 | ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 13.90 | 165 | 37637 | 22.92 | ng/ul | 96 |
| 48) Acenaphthylene | 14.04 | 152 | 238721 | 21.88 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.23 | 138 | 38353 | 21.55 | ng/ul | 94 |
| 50) Acenaphthene | 14.39 | 153 | 158924 | 22.03 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.46 | 184 | 11214 | 14.07 | ng/ul | 98 |
| 53) 4-Nitrophenol | 14.56 | 109 | 23154 | 19.96 | ng/ul | 92 |
| 54) Dibenzofuran | 14.72 | 168 | 222440 | 22.03 | ng/ul | 99 |
| 55) 2,4-Dinitrotoluene | 14.70 | 165 | 54983 | 23.05 | ng/ul | 95 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.96 | 232 | 40070 | 21.51 | ng/ul | 98 |
| 57) Diethylphthalate | 15.15 | 149 | 182390 | 21.60 | ng/ul | 100 |
| 59) Fluorene | 15.37 | 166 | 181320 | 22.63 | ng/ul | 100 |
| 60) 4-Chlorophenyl-phenylether | 15.37 | 204 | 85500 | 22.13 | ng/ul | 96 |
| 61) 4-Nitroaniline | 15.40 | 138 | 43989 | 23.61 | ng/ul | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 15.47 | 198 | 22476 | 16.57 | ng/ul | 98 |
| 65) N-Nitrosodiphenylamine | 15.59 | 169 | 155740 | 22.01 | ng/ul | 99 |
| 66) 4-Bromophenyl-phenylether | 16.26 | 248 | 50220 | 21.49 | ng/ul | 97 |
| 67) Hexachlorobenzene | 16.39 | 284 | 55422 | 21.71 | ng/ul | 98 |
| 68) Atrazine | 16.54 | 200 | 53293 | 21.73 | ng/ul | 100 |
| 69) Pentachlorophenol | 16.73 | 266 | 23590 | 18.98 | ng/ul | 99 |
| 70) Phenanthrene | 17.12 | 178 | 278324 | 21.97 | ng/ul | 100 |
| 72) Anthracene | 17.20 | 178 | 284598 | 21.90 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.12 | 216 | 67807 | 18.76 | ng/uL | 99 |
| 74) Pentachlorobenzene | 14.64 | 250 | 66176 | 20.63 | ng/uL | 99 |
| 75) Carbazole | 17.48 | 167 | 248197 | 21.72 | ng/ul | 100 |
| 76) Di-n-butylphthalate | 18.04 | 149 | 312765 | 22.41 | ng/ul | 100 |
| 77) Fluoranthene | 19.14 | 202 | 288303 | 21.90 | ng/ul | 99 |
| 80) Pyrene | 19.50 | 202 | 291597 | 23.95 | ng/ul | 98 |
| 81) Butylbenzylphthalate | 20.41 | 149 | 130678 | 26.59 | ng/ul | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.20 | 252 | 78594 | 25.29 | ng/ul | 100 |
| 83) Benzo(a)anthracene | 21.26 | 228 | 237235 | 22.21 | ng/ul | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.19 | 149 | 187618 | 28.84 | ng/ul | 100 |
| 85) Chrysene | 21.32 | 228 | 220589 | 21.74 | ng/ul | 100 |
| 87) Di-n-octyl phthalate | 22.06 | 149 | 302230 | 27.25 | ng/ul | 99 |
| 88) Benzo(b)fluoranthene | 22.84 | 252 | 215813 | 21.34 | ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 22.89 | 252 | 213534 | 22.19 | ng/ul | 99 |
| 91) Benzo(a)pyrene | 23.41 | 252 | 211612 | 22.07 | ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 25.77 | 276 | 243225 | 22.93 | ng/ul | 98 |
| 93) Dibenzo(a,h)anthracene | 25.77 | 278 | 203334 | 22.82 | ng/ul | 98 |
| 94) Benzo(g,h,i)perylene | 26.46 | 276 | 204323 | 22.94 | ng/ul | 99 |

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

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