Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019376.D
Acq On : 28 Oct 2015 11:14
Operator : UM/NP
Sample : SSTD00510
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD00510

Manual Integrations APPROVED
Mmdadoda
10/30/2015 6:31:37 PM

Quant Time: Oct 28 14:06:25 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 28 14:34:31 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.21 | 152 | 22786 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.03 | 136 | 93042 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.83 | 164 | 76075 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.57 | 188 | 220661 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.86 | 240 | 288411 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 25.24 | 264 | 268017 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.51 | 96 | 1190 | 2.90 | 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 | 7.73 | 132 | 6554 | 5.06 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 0.00 | 113 | 0d | 0.00 | ng/ul | |
| 19) Nitrobenzene-d5 | 9.37 | 128 | 3700 | 5.24 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.10 | 143 | 4085 | 5.06 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.65 | 165 | 8640 | 4.91 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 0.00 | 131 | 0d | 0.00 | ng/ul | |
| 44) Dimethylphthalate-d6 | 14.22 | 166 | 32522 | 5.16 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.53 | 160 | 35304 | 5.06 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 0.00 | 143 | 0d | 0.00 | ng/ul | |
| 58) Fluorene-d10 | 15.81 | 176 | 31644 | 5.35 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 0.00 | 200 | 0d | 0.00 | ng/ul | |
| 71) Anthracene-d10 | 17.67 | 188 | 53987 | 5.34 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.94 | 212 | 65736 | 5.20 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 25.00 | 264 | 69870 | 5.11 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.56 | 88 | 1354m | 2.94 | ng/uL | |
| 10) 2-Chlorophenol | 7.76 | 128 | 7038 | 5.35 | ng/ul | 94 |
| 15) N-Nitroso-di-n-propylamine | 9.00 | 70 | 10325 | 6.40 | ng/ul# | 83 |
| 17) Hexachloroethane | 9.30 | 117 | 3763 | 5.58 | ng/ul | 90 |
| 20) Nitrobenzene | 9.41 | 77 | 13520 | 5.37 | ng/ul# | 87 |
| 21) Isophorone | 9.94 | 82 | 25735 | 5.86 | ng/ul# | 97 |
| 23) 2-Nitrophenol | 10.13 | 139 | 5023 | 5.59 | ng/ul# | 73 |
| 24) 2,4-Dimethylphenol | 10.19 | 107 | 12655 | 5.56 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 10.41 | 93 | 11551 | 5.44 | ng/ul# | 88 |
| 27) 2,4-Dichlorophenol | 10.67 | 162 | 8517 | 4.96 | ng/ul# | 91 |
| 28) Naphthalene | 11.08 | 128 | 23950 | 5.17 | ng/ul# | 95 |
| 31) Hexachlorobutadiene | 11.36 | 225 | 9493 | 5.34 | ng/ul# | 79 |
| 33) 4-Chloro-3-methylphenol | 12.29 | 107 | 11928 | 5.40 | ng/ul# | 88 |
| 34) 2-Methylnaphthalene | 12.68 | 142 | 19400 | 5.03 | ng/ul | 89 |
| 35) 1-Methylnaphthalene | 12.89 | 142 | 18160 | 5.06 | ng/ul# | 96 |
| 37) 1,2,4,5-Tetrachlorobenzene | 13.04 | 216 | 16095 | 5.18 | ng/ul | 93 |
| 39) 2,4,6-Trichlorophenol | 13.27 | 196 | 9283 | 4.92 | ng/ul# | 94 |
| 40) 2,4,5-Trichlorophenol | 13.34 | 196 | 11029 | 5.22 | ng/ul | 88 |
| 41) 1,1'-Biphenyl | 13.67 | 154 | 27354 | 4.98 | ng/ul# | 96 |
| 42) 2-Chloronaphthalene | 13.72 | 162 | 21913 | 5.08 | ng/ul | 96 |
| 43) 2-Nitroaniline | 13.91 | 65 | 8669 | 5.08 | ng/ul | 96 |
| 45) Dimethylphthalate | 14.27 | 163 | 34763 | 5.52 | ng/ul | 98 |
| 46) 2,6-Dinitrotoluene | 14.40 | 165 | 6574 | 4.97 | ng/ul | 94 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 48) Acenaphthylene | 14.56 | 152 | 36370 | 5.14 | ng/ul | 98 |
| 50) Acenaphthene | 14.90 | 153 | 25938 | 5.48 | ng/ul | 93 |
| 54) Dibenzofuran | 15.23 | 168 | 36997 | 5.15 | ng/ul | 98 |
| 55) 2,4-Dinitrotoluene | 15.18 | 165 | 11172 | 5.74 | ng/ul# | 81 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.44 | 232 | 10573 | 4.48 | ng/ul# | 88 |
| 57) Diethylphthalate | 15.63 | 149 | 33851 | 5.39 | ng/ul | 92 |
| 59) Fluorene | 15.87 | 166 | 32466 | 5.21 | ng/ul# | 96 |
| 60) 4-Chlorophenyl-phenylether | 15.86 | 204 | 18921 | 4.94 | ng/ul | 97 |
| 65) N-Nitrosodiphenylamine | 16.07 | 169 | 28948 | 5.15 | ng/ul# | 94 |
| 66) 4-Bromophenyl-phenylether | 16.76 | 248 | 13237 | 4.84 | ng/ul | 95 |
| 67) Hexachlorobenzene | 16.88 | 284 | 14434 | 5.08 | ng/ul | 95 |
| 70) Phenanthrene | 17.61 | 178 | 59785 | 5.36 | ng/ul | 96 |
| 72) Anthracene | 17.71 | 178 | 60993 | 5.41 | ng/ul | 96 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.63 | 216 | 15647 | 5.12 | ng/uL | 94 |
| 74) Pentachlorobenzene | 15.14 | 250 | 16125 | 5.13 | ng/uL | 91 |
| 76) Di-n-butylphthalate | 18.52 | 149 | 61494 | 5.69 | ng/ul | 98 |
| 80) Pyrene | 19.97 | 202 | 85287 | 5.28 | ng/ul# | 96 |
| 81) Butylbenzylphthalate | 20.84 | 149 | 27192 | 5.48 | ng/ul | 91 |
| 83) Benzo(a)anthracene | 21.84 | 228 | 88680 | 5.30 | ng/ul | 94 |
| 84) Bis(2-ethylhexyl)phthalate | 21.73 | 149 | 38755 | 5.65 | ng/ul | 97 |
| 85) Chrysene | 21.91 | 228 | 83541 | 5.43 | ng/ul | 95 |
| 88) Benzo(b)fluoranthene | 24.15 | 252 | 83463 | 5.09 | ng/ul# | 96 |
| 89) Benzo(k)fluoranthene | 24.22 | 252 | 78712m | 5.03 | ng/ul | |
| 91) Benzo(a)pyrene | 25.07 | 252 | 80896 | 5.33 | ng/ul# | 92 |
| 92) Indeno(1,2,3-cd)pyrene | 29.09 | 276 | 89684m | 5.23 | ng/ul | |
| 93) Dibenzo(a,h)anthracene | 29.18 | 278 | 76410m | 5.37 | ng/ul | |
| 94) Benzo(g,h,i)perylene | 30.31 | 276 | 45596 | 3.22 | ng/ul | 95 |

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

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