Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111515\
Data File : BG019608.D
Acq On : 15 Nov 2015 10:45
Operator : UM/NP
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD02018

**Manual Integrations APPROVED**
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11/16/2015 3:28:16 PM

Quant Time: Nov 16 02:25:02 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 14 00:34:28 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.16 | 152 | 36238 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.99 | 136 | 150771 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.79 | 164 | 117859 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.53 | 188 | 324731 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.81 | 240 | 405350 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 25.14 | 264 | 388792 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.46 | 96 | 5863 | 7.75 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.30 | 99 | 64785 | 19.47 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.47 | 67 | 43297 | 20.53 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.69 | 132 | 39743 | 19.14 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.86 | 113 | 51696 | 19.51 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.33 | 128 | 22222 | 20.06 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.06 | 143 | 23522 | 17.88 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.60 | 165 | 50313 | 17.63 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.12 | 131 | 61424 | 21.28 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.19 | 166 | 181456 | 18.67 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.49 | 160 | 197858 | 18.39 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.98 | 143 | 28412 | 18.41 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.78 | 176 | 162447 | 18.07 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.89 | 200 | 35742 | 17.01 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.63 | 188 | 278214 | 18.79 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.91 | 212 | 325797 | 18.37 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.90 | 264 | 352675 | 18.08 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.50 | 88 | 6572 | 7.63 | ng/uL# | 92 |
| 4) Benzaldehyde | 7.29 | 77 | 49118 | 22.70 | ng/ul | 100 |
| 6) Phenol | 7.33 | 94 | 69880 | 19.72 | ng/ul | 93 |
| 8) Bis(2-Chloroethyl)ether | 7.56 | 93 | 48759 | 20.03 | ng/ul | 92 |
| 10) 2-Chlorophenol | 7.72 | 128 | 39433 | 18.45 | ng/ul | 97 |
| 11) 2-Methylphenol | 8.60 | 108 | 49673 | 18.95 | ng/ul | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.69 | 45 | 44229 | 22.67 | ng/ul# | 91 |
| 14) Acetophenone | 8.98 | 105 | 85050 | 19.12 | ng/ul | 90 |
| 15) N-Nitroso-di-n-propylamine | 8.97 | 70 | 55828 | 19.15 | ng/ul# | 87 |
| 16) 4-Methylphenol | 8.93 | 108 | 56830 | 19.86 | ng/ul | 94 |
| 17) Hexachloroethane | 9.25 | 117 | 20289 | 18.17 | ng/ul | 93 |
| 20) Nitrobenzene | 9.37 | 77 | 78082 | 18.02 | ng/ul | 96 |
| 21) Isophorone | 9.90 | 82 | 146092 | 18.61 | ng/ul | 97 |
| 23) 2-Nitrophenol | 10.09 | 139 | 26040 | 17.43 | ng/ul# | 83 |
| 24) 2,4-Dimethylphenol | 10.14 | 107 | 70320 | 18.02 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 10.38 | 93 | 74078 | 19.94 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 10.63 | 162 | 49196 | 18.04 | ng/ul# | 93 |
| 28) Naphthalene | 11.04 | 128 | 139599 | 18.51 | ng/ul | 98 |
| 30) 4-Chloroaniline | 11.14 | 127 | 61163 | 20.21 | ng/ul | 96 |
| 31) Hexachlorobutadiene | 11.32 | 225 | 46392 | 16.65 | ng/ul | 90 |
| 32) Caprolactam | 11.89 | 113 | 19062m | 19.50 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.25 | 107 | 67399 | 18.41 | ng/ul# | 93 |
| 34) 2-Methylnaphthalene | 12.63 | 142 | 108849 | 17.96 | ng/ul | 97 |

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Quant Time: Nov 16 02:25:02 2015
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Quant Title : SVOA CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.85 | 142 | 105131 | 18.33 | ng/ul | 100 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.99 | 216 | 85900 | 17.68 | ng/ul | 98 |
| 38) Hexachlorocyclopentadiene | 12.97 | 237 | 50662 | 14.05 | ng/ul | 95 |
| 39) 2,4,6-Trichlorophenol | 13.23 | 196 | 50386 | 17.55 | ng/ul | 92 |
| 40) 2,4,5-Trichlorophenol | 13.30 | 196 | 55278 | 17.54 | ng/ul | 96 |
| 41) 1,1'-Biphenyl | 13.63 | 154 | 155259 | 18.64 | ng/ul# | 96 |
| 42) 2-Chloronaphthalene | 13.67 | 162 | 119015 | 18.31 | ng/ul | 97 |
| 43) 2-Nitroaniline | 13.87 | 65 | 52719 | 18.97 | ng/ul | 98 |
| 45) Dimethylphthalate | 14.24 | 163 | 179741 | 18.09 | ng/ul# | 97 |
| 46) 2,6-Dinitrotoluene | 14.36 | 165 | 37316 | 18.55 | ng/ul | 90 |
| 48) Acenaphthylene | 14.52 | 152 | 202085 | 18.33 | ng/ul | 98 |
| 49) 3-Nitroaniline | 14.69 | 138 | 33935 | 19.60 | ng/ul | 91 |
| 50) Acenaphthene | 14.85 | 153 | 135940 | 18.26 | ng/ul | 100 |
| 51) 2,4-Dinitrophenol | 14.90 | 184 | 21274 | 14.07 | ng/ul | 96 |
| 53) 4-Nitrophenol | 15.00 | 109 | 37433 | 15.55 | ng/ul# | 64 |
| 54) Dibenzofuran | 15.19 | 168 | 198001 | 18.06 | ng/ul | 94 |
| 55) 2,4-Dinitrotoluene | 15.15 | 165 | 57391 | 18.07 | ng/ul# | 76 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.41 | 232 | 56393 | 17.12 | ng/ul# | 95 |
| 57) Diethylphthalate | 15.59 | 149 | 175010 | 17.84 | ng/ul | 97 |
| 59) Fluorene | 15.84 | 166 | 171562 | 17.94 | ng/ul | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.82 | 204 | 97699 | 17.19 | ng/ul | 98 |
| 61) 4-Nitroaniline | 15.85 | 138 | 37550 | 18.87 | ng/ul | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 15.91 | 198 | 37530 | 16.51 | ng/ul# | 94 |
| 65) N-Nitrosodiphenylamine | 16.04 | 169 | 153152 | 18.23 | ng/ul | 95 |
| 66) 4-Bromophenyl-phenylether | 16.72 | 248 | 67420 | 17.47 | ng/ul | 98 |
| 67) Hexachlorobenzene | 16.83 | 284 | 71335 | 17.42 | ng/ul# | 87 |
| 68) Atrazine | 16.97 | 200 | 75586 | 18.16 | ng/ul | 95 |
| 69) Pentachlorophenol | 17.17 | 266 | 40222 | 16.64 | ng/ul | 97 |
| 70) Phenanthrene | 17.57 | 178 | 300945 | 18.36 | ng/ul | 97 |
| 72) Anthracene | 17.67 | 178 | 305512 | 18.29 | ng/ul | 96 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.60 | 216 | 82104 | 17.45 | ng/uL | 97 |
| 74) Pentachlorobenzene | 15.11 | 250 | 83690 | 17.64 | ng/uL | 98 |
| 75) Carbazole | 17.93 | 167 | 259955 | 19.50 | ng/ul | 97 |
| 76) Di-n-butylphthalate | 18.47 | 149 | 310471 | 18.79 | ng/ul | 97 |
| 77) Fluoranthene | 19.57 | 202 | 400800 | 18.89 | ng/ul# | 94 |
| 80) Pyrene | 19.94 | 202 | 416144 | 18.29 | ng/ul# | 91 |
| 81) Butylbenzylphthalate | 20.80 | 149 | 139225 | 18.83 | ng/ul | 93 |
| 82) 3,3'-Dichlorobenzidine | 21.69 | 252 | 148570 | 18.71 | ng/ul# | 99 |
| 83) Benzo(a)anthracene | 21.79 | 228 | 427270 | 18.10 | ng/ul | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.67 | 149 | 204735 | 19.49 | ng/ul | 99 |
| 85) Chrysene | 21.86 | 228 | 397809 | 17.96 | ng/ul | 98 |
| 87) Di-n-octyl phthalate | 22.92 | 149 | 358097 | 20.34 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 24.07 | 252 | 403236 | 17.59 | ng/ul# | 97 |
| 89) Benzo(k)fluoranthene | 24.14 | 252 | 401839 | 18.21 | ng/ul# | 99 |
| 91) Benzo(a)pyrene | 24.98 | 252 | 398627 | 18.09 | ng/ul# | 98 |
| 92) Indeno(1,2,3-cd)pyrene | 28.96 | 276 | 442626 | 17.84 | ng/ul# | 95 |
| 93) Dibenzo(a,h)anthracene | 29.02 | 278 | 368118 | 17.77 | ng/ul# | 95 |
| 94) Benzo(g,h,i)perylene | 30.14 | 276 | 365471 | 19.40 | ng/ul# | 91 |

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**Instrument :**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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

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