Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG080817\
Data File : BG028182.D
Acq On : 8 Aug 2017 9:50
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD02052

**Manual Integrations APPROVED**
Sohil
8/9/2017 7:18:30 PM

Quant Time: Aug 09 01:04:23 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 08 03:54:28 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.36 | 152 | 38205 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.18 | 136 | 168630 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.97 | 164 | 121314 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.72 | 188 | 321903 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 22.05 | 240 | 365891 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.55 | 264 | 346696 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.84 | 96 | 6540 | 7.97 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.50 | 99 | 71635 | 17.07 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.67 | 67 | 49045 | 18.46 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.89 | 132 | 50504 | 19.08 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.05 | 113 | 59920 | 17.09 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.52 | 128 | 26831 | 20.35 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.25 | 143 | 30382 | 21.01 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.79 | 165 | 58048 | 19.41 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.31 | 131 | 73559 | 22.09 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.35 | 166 | 215416 | 19.96 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.66 | 160 | 241581 | 19.86 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.15 | 143 | 35998 | 20.98 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.95 | 176 | 193689 | 20.01 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.06 | 200 | 41579 | 19.88 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.81 | 188 | 313465 | 20.31 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 20.08 | 212 | 353630 | 18.85 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.31 | 264 | 315962 | 19.47 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.88 | 88 | 8425 | 9.777 | ng/uL# | 81 |
| 4) Benzaldehyde | 7.50 | 77 | 47576 | 19.620 | ng/ul | 88 |
| 6) Phenol | 7.53 | 94 | 71853 | 17.231 | ng/ul | 91 |
| 8) Bis(2-Chloroethyl)ether | 7.76 | 93 | 51286 | 18.054 | ng/ul | 88 |
| 10) 2-Chlorophenol | 7.92 | 128 | 48691 | 18.876 | ng/ul | 97 |
| 11) 2-Methylphenol | 8.78 | 108 | 51953 | 17.650 | ng/ul | 93 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.88 | 45 | 122254 | 17.729 | ng/ul# | 94 |
| 14) Acetophenone | 9.18 | 105 | 88911 | 17.777 | ng/ul | 95 |
| 15) N-Nitroso-di-n-propylamine | 9.15 | 70 | 52041 | 18.308 | ng/ul# | 97 |
| 16) 4-Methylphenol | 9.11 | 108 | 55232 | 16.618 | ng/ul | 95 |
| 17) Hexachloroethane | 9.44 | 117 | 20948 | 19.598 | ng/ul | 94 |
| 20) Nitrobenzene | 9.57 | 77 | 75825 | 19.864 | ng/ul | 97 |
| 21) Isophorone | 10.08 | 82 | 144172 | 19.880 | ng/ul# | 97 |
| 23) 2-Nitrophenol | 10.28 | 139 | 29830 | 20.438 | ng/ul# | 77 |
| 24) 2,4-Dimethylphenol | 10.32 | 107 | 70514 | 19.437 | ng/ul | 98 |
| 25) Bis(2-Chloroethoxy)methane | 10.56 | 93 | 75804 | 19.190 | ng/ul | 93 |
| 27) 2,4-Dichlorophenol | 10.82 | 162 | 52457 | 19.264 | ng/ul | 89 |
| 28) Naphthalene | 11.23 | 128 | 167587 | 20.066 | ng/ul | 98 |
| 30) 4-Chloroaniline | 11.33 | 127 | 73608 | 22.806 | ng/ul | 91 |
| 31) Hexachlorobutadiene | 11.50 | 225 | 39576 | 19.690 | ng/ul | 92 |
| 32) Caprolactam | 12.09 | 113 | 22778 | 20.116 | ng/ul | 98 |
| 33) 4-Chloro-3-methylphenol | 12.43 | 107 | 68166 | 19.612 | ng/ul | 94 |
| 34) 2-Methylnaphthalene | 12.81 | 142 | 130333 | 19.429 | ng/ul | 95 |

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Quant Title : SVOA CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.17 | 216 | 77053 | 19.705 | ng/ul | 97 |
| 37) Hexachlorocyclopentadiene | 13.14 | 237 | 41023 | 19.013 | ng/ul# | 95 |
| 38) 2,4,6-Trichlorophenol | 13.40 | 196 | 53180 | 21.820 | ng/ul | 92 |
| 39) 2,4,5-Trichlorophenol | 13.48 | 196 | 55823 | 21.014 | ng/ul | 90 |
| 40) 1,1'-Biphenyl | 13.80 | 154 | 176733 | 19.947 | ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.84 | 162 | 138026 | 19.713 | ng/ul | 97 |
| 42) 2-Nitroaniline | 14.04 | 65 | 60761 | 20.697 | ng/ul | 95 |
| 44) Dimethylphthalate | 14.40 | 163 | 197684 | 19.898 | ng/ul | 98 |
| 45) 2,6-Dinitrotoluene | 14.53 | 165 | 41535 | 20.249 | ng/ul | 97 |
| 47) Acenaphthylene | 14.69 | 152 | 230629 | 19.837 | ng/ul | 97 |
| 48) 3-Nitroaniline | 14.87 | 138 | 39196 | 21.221 | ng/ul# | 95 |
| 49) Acenaphthene | 15.02 | 153 | 155685 | 19.847 | ng/ul | 97 |
| 50) 2,4-Dinitrophenol | 15.07 | 184 | 22518 | 19.484 | ng/ul | 91 |
| 52) 4-Nitrophenol | 15.16 | 109 | 35324 | 19.872 | ng/ul# | 84 |
| 53) Dibenzofuran | 15.36 | 168 | 224785 | 19.654 | ng/ul | 96 |
| 54) 2,4-Dinitrotoluene | 15.32 | 165 | 64442 | 20.730 | ng/ul# | 86 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.59 | 232 | 51970 | 21.006 | ng/ul | 96 |
| 56) Diethylphthalate | 15.75 | 149 | 226198 | 19.408 | ng/ul | 97 |
| 58) Fluorene | 16.01 | 166 | 200444 | 19.796 | ng/ul | 95 |
| 59) 4-Chlorophenyl-phenylether | 15.99 | 204 | 107197 | 19.733 | ng/ul | 88 |
| 60) 4-Nitroaniline | 16.02 | 138 | 43361 | 19.787 | ng/ul | 90 |
| 63) 4,6-Dinitro-2-methylphenol | 16.08 | 198 | 41316 | 19.485 | ng/ul# | 92 |
| 64) N-Nitrosodiphenylamine | 16.21 | 169 | 172882 | 20.414 | ng/ul | 92 |
| 65) 4-Bromophenyl-phenylether | 16.89 | 248 | 70115 | 20.266 | ng/ul# | 91 |
| 66) Hexachlorobenzene | 17.02 | 284 | 74522 | 20.233 | ng/ul | 97 |
| 67) Atrazine | 17.15 | 200 | 75982 | 20.579 | ng/ul | 96 |
| 68) Pentachlorophenol | 17.36 | 266 | 35211 | 18.874 | ng/ul | 87 |
| 69) Phenanthrene | 17.76 | 178 | 327192 | 20.197 | ng/ul | 98 |
| 71) Anthracene | 17.84 | 178 | 342277 | 20.673 | ng/ul | 97 |
| 72) Carbazole | 18.11 | 167 | 290679 | 20.187 | ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.64 | 149 | 363561 | 20.282 | ng/ul# | 96 |
| 74) Fluoranthene | 19.75 | 202 | 397270 | 20.178 | ng/ul | 98 |
| 77) Pyrene | 20.11 | 202 | 415967 | 19.055 | ng/ul | 98 |
| 78) Butylbenzylphthalate | 20.98 | 149 | 162561 | 19.878 | ng/ul | 92 |
| 79) 3,3'-Dichlorobenzidine | 21.92 | 252 | 142015 | 20.118 | ng/ul# | 98 |
| 80) Benzo(a)anthracene | 22.02 | 228 | 414164 | 19.591 | ng/ul | 98 |
| 81) Bis(2-ethylhexyl)phthalate | 21.89 | 149 | 230886 | 19.852 | ng/ul | 98 |
| 82) Chrysene | 22.09 | 228 | 379830 | 19.949 | ng/ul | 98 |
| 84) Di-n-octyl phthalate | 23.19 | 149 | 399911 | 19.248 | ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 24.42 | 252 | 414907 | 19.999 | ng/ul | 99 |
| 86) Benzo(k)fluoranthene | 24.50 | 252 | 393522m | 19.418 | ng/ul | |
| 88) Benzo(a)pyrene | 25.38 | 252 | 396090 | 19.718 | ng/ul# | 98 |
| 89) Indeno(1,2,3-cd)pyrene | 29.57 | 276 | 461517 | 19.620 | ng/ul | 100 |
| 90) Dibenzo(a,h)anthracene | 29.65 | 278 | 387950 | 19.676 | ng/ul | 93 |
| 91) Benzo(g,h,i)perylene | 30.83 | 276 | 370523 | 19.146 | ng/ul | 93 |

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

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