Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081718\
Data File : BG036313.D
Acq On : 17 Aug 2018 9:09
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTD02010

**Manual Integrations APPROVED**
Sohil
8/17/2018 6:44:06 PM

Quant Time: Aug 17 13:31:00 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081618MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 16 14:12:03 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.08 | 152 | 36418 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.89 | 136 | 131770 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.70 | 164 | 94140 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.44 | 188 | 269507m | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.71 | 240 | 312524 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 24.95 | 264 | 304907m | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.51 | 96 | 8784 | 8.98 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.22 | 99 | 72062 | 19.27 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.40 | 67 | 49444 | 19.35 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.61 | 132 | 37474 | 18.04 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.77 | 113 | 48955 | 17.96 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.24 | 128 | 16460 | 20.99 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.96 | 143 | 14192 | 18.55 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.49 | 165 | 44149 | 18.72 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.01 | 131 | 45244 | 19.78 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.11 | 166 | 170498 | 21.29 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.39 | 160 | 203738 | 21.09 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.87 | 143 | 19305 | 19.50 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.69 | 176 | 156154 | 21.34 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.80 | 200 | 15845 | 17.83 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.54 | 188 | 271115m | 21.73 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.82 | 212 | 329899 | 20.53 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.72 | 264 | 346609 | 21.15 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.55 | 88 | 8676 | 7.211 | ng/uL# | 86 |
| 4) Benzaldehyde | 7.21 | 77 | 62574 | 20.634 | ng/ul# | 83 |
| 6) Phenol | 7.25 | 94 | 72539 | 19.164 | ng/ul# | 79 |
| 8) Bis(2-Chloroethyl)ether | 7.50 | 93 | 55413 | 19.926 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.63 | 128 | 37554 | 18.075 | ng/ul# | 84 |
| 11) 2-Methylphenol | 8.51 | 108 | 51069 | 18.582 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.61 | 45 | 69480 | 20.135 | ng/ul# | 92 |
| 14) Acetophenone | 8.90 | 105 | 89150 | 19.610 | ng/ul# | 78 |
| 15) N-Nitroso-di-n-propylamine | 8.88 | 70 | 57782 | 19.356 | ng/ul# | 94 |
| 16) 4-Methylphenol | 8.83 | 108 | 51764 | 18.280 | ng/ul | 97 |
| 17) Hexachloroethane | 9.16 | 117 | 20377 | 19.938 | ng/ul | 91 |
| 20) Nitrobenzene | 9.28 | 77 | 60402 | 19.930 | ng/ul# | 89 |
| 21) Isophorone | 9.80 | 82 | 151723 | 20.625 | ng/ul# | 90 |
| 23) 2-Nitrophenol | 9.99 | 139 | 15613 | 18.617 | ng/ul | 97 |
| 24) 2,4-Dimethylphenol | 10.05 | 107 | 66985 | 20.061 | ng/ul# | 84 |
| 25) Bis(2-Chloroethoxy)methane | 10.29 | 93 | 73985 | 21.153 | ng/ul# | 93 |
| 27) 2,4-Dichlorophenol | 10.52 | 162 | 41415 | 20.058 | ng/ul# | 84 |
| 28) Naphthalene | 10.93 | 128 | 142370 | 21.423 | ng/ul | 96 |
| 30) 4-Chloroaniline | 11.04 | 127 | 44030 | 19.315 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 11.23 | 225 | 42477 | 21.033 | ng/ul | 95 |
| 32) Caprolactam | 11.78 | 113 | 15687m | 17.345 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.15 | 107 | 58849 | 20.457 | ng/ul# | 89 |
| 34) 2-Methylnaphthalene | 12.54 | 142 | 108573 | 21.375 | ng/ul | 95 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.75 | 142 | 102437 | 20.788 | ng/ul# | 95 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.90 | 216 | 80611 | 21.157 | ng/ul# | 98 |
| 38) Hexachlorocyclopentadiene | 12.88 | 237 | 36493 | 17.777 | ng/ul | 96 |
| 39) 2,4,6-Trichlorophenol | 13.13 | 196 | 36934 | 18.489 | ng/ul | 98 |
| 40) 2,4,5-Trichlorophenol | 13.19 | 196 | 42054 | 18.888 | ng/ul | 91 |
| 41) 1,1'-Biphenyl | 13.54 | 154 | 150510 | 21.521 | ng/ul# | 98 |
| 42) 2-Chloronaphthalene | 13.58 | 162 | 118442 | 21.548 | ng/ul | 95 |
| 43) 2-Nitroaniline | 13.77 | 65 | 30720 | 18.725 | ng/ul# | 81 |
| 45) Dimethylphthalate | 14.15 | 163 | 167087 | 21.230 | ng/ul | 98 |
| 46) 2,6-Dinitrotoluene | 14.27 | 165 | 21113 | 19.797 | ng/ul# | 87 |
| 48) Acenaphthylene | 14.42 | 152 | 185944 | 22.128 | ng/ul | 98 |
| 49) 3-Nitroaniline | 14.59 | 138 | 19693 | 19.362 | ng/ul# | 85 |
| 50) Acenaphthene | 14.76 | 153 | 126739 | 21.029 | ng/ul | 96 |
| 51) 2,4-Dinitrophenol | 14.79 | 184 | 10873 | 18.504 | ng/ul# | 88 |
| 53) 4-Nitrophenol | 14.89 | 109 | 27940 | 19.226 | ng/ul# | 76 |
| 54) Dibenzofuran | 15.10 | 168 | 185180 | 21.465 | ng/ul | 89 |
| 55) 2,4-Dinitrotoluene | 15.05 | 165 | 28927 | 19.973 | ng/ul# | 69 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.32 | 232 | 33690 | 18.859 | ng/ul# | 90 |
| 57) Diethylphthalate | 15.52 | 149 | 166789 | 21.454 | ng/ul | 98 |
| 59) Fluorene | 15.75 | 166 | 156458 | 20.925 | ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.74 | 204 | 98644 | 21.791 | ng/ul | 94 |
| 61) 4-Nitroaniline | 15.75 | 138 | 27974 | 20.052 | ng/ul# | 55 |
| 64) 4,6-Dinitro-2-methylphenol | 15.81 | 198 | 14804m | 15.458 | ng/ul | |
| 65) N-Nitrosodiphenylamine | 15.95 | 169 | 149295 | 21.131 | ng/ul | 99 |
| 66) 4-Bromophenyl-phenylether | 16.64 | 248 | 64015 | 20.505 | ng/ul | 95 |
| 67) Hexachlorobenzene | 16.75 | 284 | 67693 | 20.558 | ng/ul# | 92 |
| 68) Atrazine | 16.90 | 200 | 64379 | 20.805 | ng/ul | 94 |
| 69) Pentachlorophenol | 17.09 | 266 | 27965m | 17.066 | ng/ul | |
| 70) Phenanthrene | 17.49 | 178 | 295899m | 21.976 | ng/ul | |
| 72) Anthracene | 17.58 | 178 | 294125 | 21.793 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.50 | 216 | 90396 | 21.134 | ng/uL | 94 |
| 74) Pentachlorobenzene | 15.02 | 250 | 75153 | 20.012 | ng/uL | 96 |
| 75) Carbazole | 17.84 | 167 | 247844m | 22.505 | ng/ul | |
| 76) Di-n-butylphthalate | 18.42 | 149 | 268488m | 21.101 | ng/ul | |
| 77) Fluoranthene | 19.49 | 202 | 411787m | 23.531 | ng/ul | |
| 80) Pyrene | 19.85 | 202 | 409462 | 20.911 | ng/ul# | 95 |
| 81) Butylbenzylphthalate | 20.75 | 149 | 114645 | 19.597 | ng/ul# | 76 |
| 82) 3,3'-Dichlorobenzidine | 21.61 | 252 | 121663 | 18.530 | ng/ul# | 97 |
| 83) Benzo(a)anthracene | 21.70 | 228 | 406566 | 20.416 | ng/ul | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 156301 | 19.172 | ng/ul | 98 |
| 85) Chrysene | 21.76 | 228 | 369117 | 19.898 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 22.87 | 149 | 244376m | 17.433 | ng/ul | |
| 88) Benzo(b)fluoranthene | 23.92 | 252 | 398327m | 20.636 | ng/ul | |
| 89) Benzo(k)fluoranthene | 23.99 | 252 | 391061m | 21.254 | ng/ul | |
| 91) Benzo(a)pyrene | 24.79 | 252 | 381560m | 21.107 | ng/ul | |
| 92) Indeno(1,2,3-cd)pyrene | 28.62 | 276 | 430325m | 20.780 | ng/ul | |
| 93) Dibenzo(a,h)anthracene | 28.69 | 278 | 344059 | 20.152 | ng/ul# | 95 |
| 94) Benzo(g,h,i)perylene | 29.76 | 276 | 358816m | 20.936 | ng/ul | |

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

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