Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110617\
Data File : BG030781.D
Acq On : 6 Nov 2017 18:57
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD02088

**Manual Integrations APPROVED**
Sohil
11/7/2017 5:37:51 PM

Quant Time: Nov 07 06:52:46 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 01:27:00 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.15 | 152 | 65592 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.97 | 136 | 295213 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.77 | 164 | 194016 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.51 | 188 | 493900 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.78 | 240 | 528764 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.09 | 264 | 534331 | 20.00 | ng/ul | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.54 | 96 | 11697 | 7.25 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.31 | 99 | 108425 | 17.22 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.47 | 67 | 62978 | 15.99 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.69 | 132 | 88564 | 19.94 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.86 | 113 | 92087 | 18.11 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.32 | 128 | 42359 | 19.99 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.04 | 143 | 50999 | 23.49 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.59 | 165 | 99406 | 20.09 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.10 | 131 | 121123 | 21.07 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.17 | 166 | 294870 | 17.78 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.47 | 160 | 386856 | 19.18 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.97 | 143 | 51594 | 16.85 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.76 | 176 | 293652 | 21.62 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.88 | 200 | 36180 | 15.01 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.61 | 188 | 457604 | 19.59 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.89 | 212 | 524998 | 19.18 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 24.86 | 264 | 500632 | 19.78 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.58 | 88 | 14150 | 7.191 | ng/uL | 91 |
| 4) Benzaldehyde | 7.28 | 77 | 68510 | 17.612 | ng/ul | 96 |
| 6) Phenol | 7.34 | 94 | 113583 | 17.436 | ng/ul# | 89 |
| 8) Bis(2-Chloroethyl)ether | 7.56 | 93 | 84562 | 17.053 | ng/ul | 88 |
| 10) 2-Chlorophenol | 7.72 | 128 | 87445 | 19.262 | ng/ul | 93 |
| 11) 2-Methylphenol | 8.60 | 108 | 84689 | 17.389 | ng/ul | 96 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.69 | 45 | 129724 | 17.849 | ng/ul# | 96 |
| 14) Acetophenone | 8.97 | 105 | 133811 | 17.233 | ng/ul | 91 |
| 15) N-Nitroso-di-n-propylamine | 8.95 | 70 | 69184 | 16.078 | ng/ul# | 94 |
| 16) 4-Methylphenol | 8.92 | 108 | 93079 | 17.542 | ng/ul | 96 |
| 17) Hexachloroethane | 9.25 | 117 | 33734 | 18.610 | ng/ul | 93 |
| 20) Nitrobenzene | 9.36 | 77 | 99925 | 17.294 | ng/ul# | 87 |
| 21) Isophorone | 9.89 | 82 | 191697 | 15.702 | ng/ul | 95 |
| 23) 2-Nitrophenol | 10.08 | 139 | 52805 | 21.914 | ng/ul# | 77 |
| 24) 2,4-Dimethylphenol | 10.13 | 107 | 103260 | 17.622 | ng/ul# | 88 |
| 25) Bis(2-Chloroethoxy)methane | 10.36 | 93 | 117779 | 16.027 | ng/ul# | 94 |
| 27) 2,4-Dichlorophenol | 10.62 | 162 | 98487 | 20.786 | ng/ul | 96 |
| 28) Naphthalene | 11.02 | 128 | 287115 | 18.380 | ng/ul | 98 |
| 30) 4-Chloroaniline | 11.13 | 127 | 118733 | 21.105 | ng/ul | 94 |
| 31) Hexachlorobutadiene | 11.30 | 225 | 69035 | 23.324 | ng/ul | 98 |
| 32) Caprolactam | 11.87 | 113 | 34488 | 17.006 | ng/ul | 95 |
| 33) 4-Chloro-3-methylphenol | 12.24 | 107 | 100705 | 18.114 | ng/ul | 92 |
| 34) 2-Methylnaphthalene | 12.61 | 142 | 222687 | 17.222 | ng/ul | 95 |

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|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.98 | 216 | 130813 | 22.752 | ng/ul# | 90 |
| 37) Hexachlorocyclopentadiene | 12.95 | 237 | 19227 | 6.344 | ng/ul | 98 |
| 38) 2,4,6-Trichlorophenol | 13.22 | 196 | 87854 | 22.056 | ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 13.30 | 196 | 93315 | 22.188 | ng/ul | 99 |
| 40) 1,1'-Biphenyl | 13.60 | 154 | 295513 | 18.474 | ng/ul | 97 |
| 41) 2-Chloronaphthalene | 13.66 | 162 | 235973 | 19.489 | ng/ul | 95 |
| 42) 2-Nitroaniline | 13.85 | 65 | 64633 | 17.041 | ng/ul# | 86 |
| 44) Dimethylphthalate | 14.22 | 163 | 297498 | 18.388 | ng/ul | 98 |
| 45) 2,6-Dinitrotoluene | 14.34 | 165 | 64665 | 22.851 | ng/ul# | 86 |
| 47) Acenaphthylene | 14.50 | 152 | 373094 | 18.131 | ng/ul | 97 |
| 48) 3-Nitroaniline | 14.67 | 138 | 67298 | 21.949 | ng/ul# | 83 |
| 49) Acenaphthene | 14.84 | 153 | 254758 | 18.096 | ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.89 | 184 | 12775 | 8.435 | ng/ul# | 77 |
| 52) 4-Nitrophenol | 14.99 | 109 | 37072 | 16.044 | ng/ul# | 77 |
| 53) Dibenzofuran | 15.17 | 168 | 375530 | 19.511 | ng/ul | 91 |
| 54) 2,4-Dinitrotoluene | 15.13 | 165 | 93604 | 22.623 | ng/ul# | 79 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.40 | 232 | 88693 | 23.983 | ng/ul# | 89 |
| 56) Diethylphthalate | 15.57 | 149 | 302472 | 18.143 | ng/ul | 98 |
| 58) Fluorene | 15.81 | 166 | 305427 | 19.892 | ng/ul | 98 |
| 59) 4-Chlorophenyl-phenylether | 15.80 | 204 | 163617 | 22.649 | ng/ul | 88 |
| 60) 4-Nitroaniline | 15.83 | 138 | 75418 | 20.009 | ng/ul | 93 |
| 63) 4,6-Dinitro-2-methylphenol | 15.90 | 198 | 39405 | 15.469 | ng/ul# | 74 |
| 64) N-Nitrosodiphenylamine | 16.01 | 169 | 273317 | 18.553 | ng/ul | 97 |
| 65) 4-Bromophenyl-phenylether | 16.70 | 248 | 112355 | 22.549 | ng/ul | 92 |
| 66) Hexachlorobenzene | 16.82 | 284 | 123968 | 24.317 | ng/ul | 93 |
| 67) Atrazine | 16.95 | 200 | 113246 | 20.243 | ng/ul | 97 |
| 68) Pentachlorophenol | 17.17 | 266 | 57722 | 19.004 | ng/ul | 95 |
| 69) Phenanthrene | 17.55 | 178 | 513835 | 19.245 | ng/ul | 98 |
| 71) Anthracene | 17.65 | 178 | 532527 | 19.331 | ng/ul | 99 |
| 72) Carbazole | 17.91 | 167 | 478276 | 19.315 | ng/ul | 97 |
| 73) Di-n-butylphthalate | 18.45 | 149 | 556288 | 18.697 | ng/ul | 98 |
| 74) Fluoranthene | 19.55 | 202 | 642052 | 21.517 | ng/ul | 99 |
| 77) Pyrene | 19.92 | 202 | 653413 | 18.438 | ng/ul | 99 |
| 78) Butylbenzylphthalate | 20.78 | 149 | 256897 | 17.878 | ng/ul | 91 |
| 79) 3,3'-Dichlorobenzidine | 21.67 | 252 | 215583 | 22.280 | ng/ul# | 95 |
| 80) Benzo(a)anthracene | 21.77 | 228 | 647649 | 19.544 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.64 | 149 | 365932 | 17.573 | ng/ul# | 98 |
| 82) Chrysene | 21.83 | 228 | 584303 | 19.406 | ng/ul | 98 |
| 84) Di-n-octyl phthalate | 22.88 | 149 | 623636 | 17.444 | ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 24.03 | 252 | 634413 | 19.777 | ng/ul | 97 |
| 86) Benzo(k)fluoranthene | 24.10 | 252 | 639583m | 20.622 | ng/ul | |
| 88) Benzo(a)pyrene | 24.94 | 252 | 620039 | 19.858 | ng/ul | 97 |
| 89) Indeno(1,2,3-cd)pyrene | 28.89 | 276 | 739919 | 20.945 | ng/ul | 98 |
| 90) Dibenzo(a,h)anthracene | 28.94 | 278 | 626119 | 21.335 | ng/ul | 99 |
| 91) Benzo(g,h,i)perylene | 30.06 | 276 | 603671 | 20.615 | ng/ul | 97 |

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

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