Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072817\
Data File : BG028064.D
Acq On : 28 Jul 2017 20:05
Operator : SJ/JU
Sample : MDL-S-ML-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MDL-S-ML-07

**Manual Integrations APPROVED**
Sohil
7/31/2017 11:54:02 AM

Quant Time: Jul 29 00:10:24 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 28 19:32:36 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.36 | 152 | 31381 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.19 | 136 | 135752 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.97 | 164 | 106397 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.72 | 188 | 311465 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 22.06 | 240 | 422456 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 25.58 | 264 | 425093 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.85 | 96 | 3403 | 7.03 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.51 | 99 | 61583 | 25.98 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.68 | 67 | 33228 | 28.04 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.89 | 132 | 58275 | 29.16 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.06 | 113 | 56585 | 26.74 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.53 | 128 | 28724 | 30.27 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.26 | 143 | 37004 | 30.62 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.80 | 165 | 69502 | 29.22 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.32 | 131 | 80839 | 33.70 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.36 | 166 | 308544 | 32.04 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.67 | 160 | 319646 | 30.69 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 15.15 | 143 | 39122 | 27.05 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.96 | 176 | 273328 | 30.82 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 16.07 | 200 | 60933 | 27.47 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.82 | 188 | 470350 | 31.53 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 20.10 | 212 | 590224 | 31.45 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 25.33 | 264 | 599377 | 30.65 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.89 | 88 | 725 | 1.397 | ng/uL# | 82 |
| 4) Benzaldehyde | 7.51 | 77 | 1080 | 0.921 | ng/ul | 99 |
| 6) Phenol | 7.54 | 94 | 7433m | 3.233 | ng/ul | |
| 8) Bis(2-Chloroethyl)ether | 7.77 | 93 | 6159 | 3.785 | ng/ul | 88 |
| 10) 2-Chlorophenol | 7.93 | 128 | 7026 | 3.817 | ng/ul# | 80 |
| 11) 2-Methylphenol | 8.79 | 108 | 6253 | 3.489 | ng/ul# | 65 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.89 | 45 | 6814 | 3.190 | ng/ul# | 92 |
| 14) Acetophenone | 9.19 | 105 | 11659 | 3.793 | ng/ul | 87 |
| 15) N-Nitroso-di-n-propylamine | 9.16 | 70 | 3422 | 2.371 | ng/ul# | 89 |
| 16) 4-Methylphenol | 9.12 | 108 | 6339 | 3.188 | ng/ul | 96 |
| 17) Hexachloroethane | 9.46 | 117 | 2813 | 3.820 | ng/ul# | 70 |
| 20) Nitrobenzene | 9.58 | 77 | 8048 | 3.950 | ng/ul# | 93 |
| 21) Isophorone | 10.10 | 82 | 14121 | 3.627 | ng/ul# | 95 |
| 23) 2-Nitrophenol | 10.29 | 139 | 4721 | 4.054 | ng/ul | 95 |
| 24) 2,4-Dimethylphenol | 10.33 | 107 | 8312 | 3.569 | ng/ul | 90 |
| 25) Bis(2-Chloroethoxy)methane | 10.57 | 93 | 8454 | 3.738 | ng/ul# | 91 |
| 27) 2,4-Dichlorophenol | 10.83 | 162 | 8708 | 3.842 | ng/ul# | 93 |
| 28) Naphthalene | 11.24 | 128 | 23300 | 3.803 | ng/ul | 97 |
| 30) 4-Chloroaniline | 11.34 | 127 | 6334m | 2.774 | ng/ul | |
| 31) Hexachlorobutadiene | 11.51 | 225 | 7879 | 4.018 | ng/ul | 98 |
| 32) Caprolactam | 12.13 | 113 | 2563m | 3.523 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.44 | 107 | 7555 | 3.421 | ng/ul | 94 |
| 34) 2-Methylnaphthalene | 12.81 | 142 | 20936 | 3.959 | ng/ul | 97 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 13.03 | 142 | 20158 | 3.931 | ng/ul | 93 |
| 37) 1,2,4,5-Tetrachlorobenzene | 13.18 | 216 | 16236 | 3.961 | ng/ul | 96 |
| 38) Hexachlorocyclopentadiene | 13.15 | 237 | 6811 | 2.834 | ng/ul | 91 |
| 39) 2,4,6-Trichlorophenol | 13.41 | 196 | 7911 | 3.234 | ng/ul | 90 |
| 40) 2,4,5-Trichlorophenol | 13.50 | 196 | 8579 | 3.301 | ng/ul | 85 |
| 41) 1,1'-Biphenyl | 13.81 | 154 | 30210 | 3.906 | ng/ul | 99 |
| 42) 2-Chloronaphthalene | 13.85 | 162 | 23826 | 3.820 | ng/ul | 95 |
| 43) 2-Nitroaniline | 14.06 | 65 | 4610 | 3.136 | ng/ul | 93 |
| 45) Dimethylphthalate | 14.41 | 163 | 34378 | 3.897 | ng/ul# | 98 |
| 46) 2,6-Dinitrotoluene | 14.54 | 165 | 6195 | 3.498 | ng/ul | 91 |
| 48) Acenaphthylene | 14.69 | 152 | 40041 | 4.056 | ng/ul | 97 |
| 49) 3-Nitroaniline | 14.87 | 138 | 4946 | 3.361 | ng/ul# | 81 |
| 50) Acenaphthene | 15.03 | 153 | 26651 | 3.942 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 15.09 | 184 | 2085 | 1.845 | ng/ul# | 81 |
| 53) 4-Nitrophenol | 15.17 | 109 | 4470m | 3.800 | ng/ul | |
| 54) Dibenzofuran | 15.37 | 168 | 42070 | 4.093 | ng/ul | 97 |
| 55) 2,4-Dinitrotoluene | 15.32 | 165 | 10908 | 4.125 | ng/ul# | 84 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.59 | 232 | 8898 | 3.215 | ng/ul | 97 |
| 57) Diethylphthalate | 15.76 | 149 | 33105 | 3.575 | ng/ul | 98 |
| 59) Fluorene | 16.01 | 166 | 35112 | 3.937 | ng/ul | 98 |
| 60) 4-Chlorophenyl-phenylether | 16.00 | 204 | 21949 | 4.121 | ng/ul | 94 |
| 61) 4-Nitroaniline | 16.04 | 138 | 5769 | 3.300 | ng/ul | 90 |
| 64) 4,6-Dinitro-2-methylphenol | 16.09 | 198 | 7216 | 3.396 | ng/ul# | 65 |
| 65) N-Nitrosodiphenylamine | 16.21 | 169 | 30070 | 3.825 | ng/ul | 98 |
| 66) 4-Bromophenyl-phenylether | 16.90 | 248 | 15671 | 3.913 | ng/ul# | 84 |
| 67) Hexachlorobenzene | 17.02 | 284 | 18468 | 4.055 | ng/ul | 92 |
| 68) Atrazine | 17.15 | 200 | 13351 | 3.559 | ng/ul | 94 |
| 69) Pentachlorophenol | 17.37 | 266 | 5835m | 2.454 | ng/ul | |
| 70) Phenanthrene | 17.77 | 178 | 62273 | 4.021 | ng/ul | 96 |
| 72) Anthracene | 17.86 | 178 | 63201 | 3.920 | ng/ul | 97 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.78 | 216 | 15350 | 3.533 | ng/uL | 96 |
| 74) Pentachlorobenzene | 15.29 | 250 | 24788 | 3.840 | ng/uL | 93 |
| 75) Carbazole | 18.12 | 167 | 51747 | 3.919 | ng/ul | 98 |
| 76) Di-n-butylphthalate | 18.65 | 149 | 53673 | 3.661 | ng/ul | 98 |
| 77) Fluoranthene | 19.76 | 202 | 80979 | 4.092 | ng/ul# | 94 |
| 80) Pyrene | 20.13 | 202 | 89836 | 4.097 | ng/ul# | 93 |
| 81) Butylbenzylphthalate | 20.99 | 149 | 22104 | 3.392 | ng/ul# | 96 |
| 82) 3,3'-Dichlorobenzidine | 21.94 | 252 | 23960 | 3.100 | ng/ul# | 93 |
| 83) Benzo(a)anthracene | 22.04 | 228 | 85980 | 3.832 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.90 | 149 | 31373 | 3.291 | ng/ul# | 91 |
| 85) Chrysene | 22.11 | 228 | 81323 | 3.962 | ng/ul | 98 |
| 87) Di-n-octyl phthalate | 23.21 | 149 | 53200 | 3.175 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 24.45 | 252 | 84100 | 3.554 | ng/ul# | 97 |
| 89) Benzo(k)fluoranthene | 24.52 | 252 | 90586 | 3.926 | ng/ul# | 95 |
| 91) Benzo(a)pyrene | 25.41 | 252 | 84029 | 3.690 | ng/ul# | 96 |
| 92) Indeno(1,2,3-cd)pyrene | 29.60 | 276 | 100835m | 3.649 | ng/ul | |
| 93) Dibenzo(a,h)anthracene | 29.67 | 278 | 84745 | 3.575 | ng/ul | 97 |
| 94) Benzo(g,h,i)perylene | 30.84 | 276 | 84352m | 3.682 | ng/ul | |

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

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