Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073117\
Data File : BG028072.D
Acq On : 31 Jul 2017 16:06
Operator : SJ/JU
Sample : MDL-S-ML-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MDL-S-ML-03

**Manual Integrations APPROVED**
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Quant Time: Jul 31 17:57:31 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 31 17:31:12 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.36 | 152 | 26510 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.18 | 136 | 118742 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.97 | 164 | 96266 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.72 | 188 | 298695 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 22.06 | 240 | 402637 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 25.58 | 264 | 393343 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.85 | 96 | 2155 | 5.27 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.51 | 99 | 42969 | 21.46 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.68 | 67 | 23730 | 23.70 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.90 | 132 | 39732 | 23.54 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.06 | 113 | 42190 | 23.60 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.53 | 128 | 21025 | 25.33 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.25 | 143 | 27028 | 25.57 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.79 | 165 | 47707 | 22.93 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.32 | 131 | 58352 | 27.81 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.36 | 166 | 229561 | 26.35 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.67 | 160 | 234637 | 24.89 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 15.15 | 143 | 29989 | 22.91 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.96 | 176 | 207705 | 25.88 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 16.07 | 200 | 47213 | 22.20 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.82 | 188 | 369697 | 25.85 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 20.10 | 212 | 467595 | 26.15 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 25.32 | 264 | 456220 | 25.22 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.88 | 88 | 723m | 1.649 | ng/uL | |
| 4) Benzaldehyde | 7.51 | 77 | 3271 | 3.301 | ng/ul | 88 |
| 6) Phenol | 7.53 | 94 | 6130 | 3.156 | ng/ul# | 84 |
| 8) Bis(2-Chloroethyl)ether | 7.77 | 93 | 4930 | 3.586 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.93 | 128 | 5066 | 3.258 | ng/ul# | 81 |
| 11) 2-Methylphenol | 8.80 | 108 | 5058 | 3.340 | ng/ul | 92 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.88 | 45 | 6440 | 3.569 | ng/ul | 97 |
| 14) Acetophenone | 9.19 | 105 | 10078 | 3.881 | ng/ul | 97 |
| 15) N-Nitroso-di-n-propylamine | 9.16 | 70 | 3912 | 3.209 | ng/ul# | 84 |
| 16) 4-Methylphenol | 9.11 | 108 | 6078 | 3.618 | ng/ul | 92 |
| 17) Hexachloroethane | 9.45 | 117 | 2432 | 3.909 | ng/ul | 91 |
| 20) Nitrobenzene | 9.58 | 77 | 6019 | 3.377 | ng/ul | 99 |
| 21) Isophorone | 10.10 | 82 | 12060 | 3.541 | ng/ul# | 89 |
| 23) 2-Nitrophenol | 10.29 | 139 | 4020 | 3.947 | ng/ul | 97 |
| 24) 2,4-Dimethylphenol | 10.33 | 107 | 7847 | 3.852 | ng/ul | 90 |
| 25) Bis(2-Chloroethoxy)methane | 10.57 | 93 | 6755 | 3.414 | ng/ul | 92 |
| 27) 2,4-Dichlorophenol | 10.82 | 162 | 6956m | 3.509 | ng/ul | |
| 28) Naphthalene | 11.23 | 128 | 19950 | 3.722 | ng/ul# | 91 |
| 30) 4-Chloroaniline | 11.34 | 127 | 5149 | 2.578 | ng/ul | 94 |
| 31) Hexachlorobutadiene | 11.51 | 225 | 6345 | 3.699 | ng/ul | 97 |
| 32) Caprolactam | 12.12 | 113 | 2396m | 3.766 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.43 | 107 | 6969 | 3.608 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.82 | 142 | 17253 | 3.730 | ng/ul | 95 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 13.03 | 142 | 17729 | 3.953 | ng/ul# | 93 |
| 37) 1,2,4,5-Tetrachlorobenzene | 13.18 | 216 | 13322 | 3.592 | ng/ul# | 95 |
| 38) Hexachlorocyclopentadiene | 13.15 | 237 | 5322 | 2.447 | ng/ul# | 97 |
| 39) 2,4,6-Trichlorophenol | 13.41 | 196 | 6886 | 3.111 | ng/ul | 89 |
| 40) 2,4,5-Trichlorophenol | 13.50 | 196 | 7587 | 3.226 | ng/ul | 94 |
| 41) 1,1'-Biphenyl | 13.80 | 154 | 25701 | 3.673 | ng/ul | 97 |
| 42) 2-Chloronaphthalene | 13.86 | 162 | 21602 | 3.828 | ng/ul | 93 |
| 43) 2-Nitroaniline | 14.06 | 65 | 4317 | 3.246 | ng/ul# | 83 |
| 45) Dimethylphthalate | 14.41 | 163 | 32066 | 4.018 | ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 14.54 | 165 | 5759 | 3.594 | ng/ul# | 94 |
| 48) Acenaphthylene | 14.70 | 152 | 34875 | 3.904 | ng/ul | 96 |
| 49) 3-Nitroaniline | 14.88 | 138 | 4089 | 3.071 | ng/ul# | 68 |
| 50) Acenaphthene | 15.04 | 153 | 22931 | 3.749 | ng/ul | 93 |
| 51) 2,4-Dinitrophenol | 15.09 | 184 | 1514 | 1.480 | ng/ul# | 75 |
| 53) 4-Nitrophenol | 15.17 | 109 | 3307 | 3.107 | ng/ul | 93 |
| 54) Dibenzofuran | 15.37 | 168 | 36599 | 3.935 | ng/ul | 98 |
| 55) 2,4-Dinitrotoluene | 15.32 | 165 | 9328 | 3.898 | ng/ul | 95 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.59 | 232 | 7816 | 3.121 | ng/ul# | 87 |
| 57) Diethylphthalate | 15.76 | 149 | 30889 | 3.686 | ng/ul | 97 |
| 59) Fluorene | 16.02 | 166 | 30980 | 3.840 | ng/ul | 95 |
| 60) 4-Chlorophenyl-phenylether | 16.00 | 204 | 18958 | 3.934 | ng/ul# | 90 |
| 61) 4-Nitroaniline | 16.03 | 138 | 5869 | 3.711 | ng/ul | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 16.08 | 198 | 7301 | 3.583 | ng/ul# | 92 |
| 65) N-Nitrosodiphenylamine | 16.21 | 169 | 27610 | 3.662 | ng/ul | 96 |
| 66) 4-Bromophenyl-phenylether | 16.89 | 248 | 13737 | 3.577 | ng/ul# | 89 |
| 67) Hexachlorobenzene | 17.03 | 284 | 17043 | 3.902 | ng/ul# | 85 |
| 68) Atrazine | 17.15 | 200 | 11426 | 3.176 | ng/ul | 95 |
| 69) Pentachlorophenol | 17.37 | 266 | 5039 | 2.210 | ng/ul# | 84 |
| 70) Phenanthrene | 17.76 | 178 | 56932 | 3.834 | ng/ul | 98 |
| 72) Anthracene | 17.86 | 178 | 59381 | 3.840 | ng/ul | 96 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.78 | 216 | 13482 | 3.236 | ng/uL | 94 |
| 74) Pentachlorobenzene | 15.29 | 250 | 21633 | 3.494 | ng/uL | 98 |
| 75) Carbazole | 18.13 | 167 | 47364 | 3.741 | ng/ul | 98 |
| 76) Di-n-butylphthalate | 18.66 | 149 | 50125 | 3.565 | ng/ul | 97 |
| 77) Fluoranthene | 19.76 | 202 | 77591 | 4.088 | ng/ul# | 94 |
| 80) Pyrene | 20.12 | 202 | 84265 | 4.032 | ng/ul# | 91 |
| 81) Butylbenzylphthalate | 20.99 | 149 | 19960 | 3.214 | ng/ul | 89 |
| 82) 3,3'-Dichlorobenzidine | 21.93 | 252 | 23451 | 3.184 | ng/ul# | 90 |
| 83) Benzo(a)anthracene | 22.03 | 228 | 81701 | 3.820 | ng/ul | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.89 | 149 | 27948 | 3.076 | ng/ul | 94 |
| 85) Chrysene | 22.10 | 228 | 76596 | 3.915 | ng/ul | 98 |
| 87) Di-n-octyl phthalate | 23.20 | 149 | 48829 | 3.149 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 24.44 | 252 | 79537m | 3.632 | ng/ul | |
| 89) Benzo(k)fluoranthene | 24.52 | 252 | 80188 | 3.756 | ng/ul | 97 |
| 91) Benzo(a)pyrene | 25.39 | 252 | 80584 | 3.824 | ng/ul | 97 |
| 92) Indeno(1,2,3-cd)pyrene | 29.60 | 276 | 91417m | 3.575 | ng/ul | |
| 93) Dibenzo(a,h)anthracene | 29.67 | 278 | 80295m | 3.661 | ng/ul | |
| 94) Benzo(g,h,i)perylene | 30.85 | 276 | 79077m | 3.730 | ng/ul | |

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|---|---|---|---|---|---|---|

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

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