Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111416\
Data File : BG024762.D
Acq On : 14 Nov 2016 10:30
Operator : UM/SJ
Sample : SSTD00501
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 14 13:05:40 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 14 12:59:58 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.26 | 152 | 91213 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.09 | 136 | 382663 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.88 | 164 | 323349 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.62 | 188 | 724630 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.91 | 240 | 960711 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.35 | 264 | 999176 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.72 | 96 | 223 | 0.12 | ng/uL | 0.11 |
| 5) Phenol-d5 | 7.39 | 99 | 37750 | 4.44 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.57 | 67 | 27899 | 4.85 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.78 | 132 | 27495 | 4.69 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.95 | 113 | 32568 | 4.73 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.43 | 128 | 14897 | 5.49 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4 | 10.16 | 143 | 16075 | 5.29 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.70 | 165 | 34661 | 5.24 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.22 | 131 | 38983 | 5.61 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.27 | 166 | 114069 | 5.05 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.58 | 160 | 129685 | 5.01 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.06 | 143 | 17889 | 4.47 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.86 | 176 | 111901 | 5.24 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.97 | 200 | 20596 | 4.73 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.72 | 188 | 162604 | 4.97 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.99 | 212 | 221959 | 4.95 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.10 | 264 | 215972 | 4.80 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.78 | 88 | 132 | 0.06 | ng/uL | 90 |
| 4) Benzaldehyde | 7.40 | 77 | 29854 | 4.98 | ng/ul# | 82 |
| 6) Phenol | 7.42 | 94 | 38925 | 4.51 | ng/ul | 92 |
| 8) Bis(2-Chloroethyl)ether | 7.66 | 93 | 29384 | 4.62 | ng/ul | 88 |
| 10) 2-Chlorophenol | 7.83 | 128 | 25447 | 4.28 | ng/ul# | 68 |
| 11) 2-Methylphenol | 8.69 | 108 | 27150 | 4.24 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.78 | 45 | 47910 | 3.77 | ng/ul# | 96 |
| 14) Acetophenone | 9.08 | 105 | 51351 | 5.03 | ng/ul# | 83 |
| 15) N-Nitroso-di-n-propylamine | 9.05 | 70 | 25450 | 4.13 | ng/ul# | 98 |
| 16) 4-Methylphenol | 9.02 | 108 | 32415 | 4.78 | ng/ul | 84 |
| 17) Hexachloroethane | 9.35 | 117 | 10645 | 3.88 | ng/ul | 86 |
| 20) Nitrobenzene | 9.48 | 77 | 40846 | 4.75 | ng/ul# | 95 |
| 21) Isophorone | 9.99 | 82 | 79206 | 5.07 | ng/ul# | 93 |
| 23) 2-Nitrophenol | 10.19 | 139 | 15996 | 4.83 | ng/ul# | 85 |
| 24) 2,4-Dimethylphenol | 10.23 | 107 | 40805 | 5.00 | ng/ul | 89 |
| 25) Bis(2-Chloroethoxy)methane | 10.47 | 93 | 40442 | 4.72 | ng/ul | 91 |
| 27) 2,4-Dichlorophenol | 10.72 | 162 | 29922 | 4.72 | ng/ul | 93 |
| 28) Naphthalene | 11.14 | 128 | 91210 | 4.95 | ng/ul# | 93 |
| 30) 4-Chloroaniline | 11.25 | 127 | 37444 | 5.31 | ng/ul | 93 |
| 31) Hexachlorobutadiene | 11.41 | 225 | 28621 | 5.63 | ng/ul | 94 |
| 32) Caprolactam | 11.99 | 113 | 12306 | 5.10 | ng/ul | 85 |
| 33) 4-Chloro-3-methylphenol | 12.34 | 107 | 37295 | 4.80 | ng/ul | 92 |
| 34) 2-Methylnaphthalene | 12.73 | 142 | 74703 | 5.10 | ng/ul | 89 |

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**Instrument :** BNA_G
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.08 | 216 | 52415 | 5.50 | ng/ul | 97 |
| 37) Hexachlorocyclopentadiene | 13.05 | 237 | 27571 | 3.94 | ng/ul | 92 |
| 38) 2,4,6-Trichlorophenol | 13.31 | 196 | 29192 | 4.72 | ng/ul | 97 |
| 39) 2,4,5-Trichlorophenol | 13.39 | 196 | 34125 | 5.02 | ng/ul | 96 |
| 40) 1,1'-Biphenyl | 13.72 | 154 | 105681 | 5.05 | ng/ul | 89 |
| 41) 2-Chloronaphthalene | 13.77 | 162 | 84519 | 5.15 | ng/ul | 93 |
| 42) 2-Nitroaniline | 13.97 | 65 | 28394 | 4.54 | ng/ul# | 90 |
| 44) Dimethylphthalate | 14.32 | 163 | 110088 | 4.97 | ng/ul# | 94 |
| 45) 2,6-Dinitrotoluene | 14.45 | 165 | 22215 | 5.17 | ng/ul# | 90 |
| 47) Acenaphthylene | 14.60 | 152 | 124100 | 4.99 | ng/ul | 96 |
| 48) 3-Nitroaniline | 14.78 | 138 | 18407 | 4.54 | ng/ul# | 90 |
| 49) Acenaphthene | 14.94 | 153 | 87236 | 4.90 | ng/ul | 96 |
| 50) 2,4-Dinitrophenol | 14.98 | 184 | 9479 | 3.29 | ng/ul# | 75 |
| 52) 4-Nitrophenol | 15.08 | 109 | 21738 | 4.48 | ng/ul | 93 |
| 53) Dibenzofuran | 15.27 | 168 | 133970 | 5.12 | ng/ul | 90 |
| 54) 2,4-Dinitrotoluene | 15.23 | 165 | 32856 | 5.16 | ng/ul# | 64 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.49 | 232 | 31872 | 4.78 | ng/ul# | 95 |
| 56) Diethylphthalate | 15.66 | 149 | 122458 | 5.25 | ng/ul | 97 |
| 58) Fluorene | 15.92 | 166 | 110139 | 5.09 | ng/ul | 96 |
| 59) 4-Chlorophenyl-phenylether | 15.90 | 204 | 64011 | 5.33 | ng/ul# | 84 |
| 60) 4-Nitroaniline | 15.94 | 138 | 21830 | 4.67 | ng/ul# | 85 |
| 63) 4,6-Dinitro-2-methylphenol | 15.99 | 198 | 21876 | 4.79 | ng/ul# | 80 |
| 64) N-Nitrosodiphenylamine | 16.12 | 169 | 99274 | 4.84 | ng/ul | 86 |
| 65) 4-Bromophenyl-phenylether | 16.80 | 248 | 43915 | 5.23 | ng/ul | 93 |
| 66) Hexachlorobenzene | 16.91 | 284 | 46261 | 4.94 | ng/ul | 98 |
| 67) Atrazine | 17.05 | 200 | 48570 | 5.79 | ng/ul# | 77 |
| 68) Pentachlorophenol | 17.27 | 266 | 18329 | 3.22 | ng/ul# | 87 |
| 69) Phenanthrene | 17.66 | 178 | 187880 | 5.14 | ng/ul | 97 |
| 71) Anthracene | 17.75 | 178 | 195214 | 5.24 | ng/ul | 93 |
| 72) Carbazole | 18.02 | 167 | 168506 | 5.77 | ng/ul | 96 |
| 73) Di-n-butylphthalate | 18.55 | 149 | 204453 | 5.72 | ng/ul | 98 |
| 74) Fluoranthene | 19.66 | 202 | 249172 | 6.74 | ng/ul# | 94 |
| 77) Pyrene | 20.02 | 202 | 257578 | 5.02 | ng/ul | 98 |
| 78) Butylbenzylphthalate | 20.87 | 149 | 101721 | 4.93 | ng/ul | 86 |
| 79) 3,3'-Dichlorobenzidine | 21.80 | 252 | 98683 | 5.52 | ng/ul# | 94 |
| 80) Benzo(a)anthracene | 21.90 | 228 | 279357 | 5.24 | ng/ul | 94 |
| 81) Bis(2-ethylhexyl)phthalate | 21.76 | 149 | 137345 | 4.71 | ng/ul | 99 |
| 82) Chrysene | 21.96 | 228 | 259400 | 5.11 | ng/ul | 97 |
| 84) Di-n-octyl phthalate | 23.03 | 149 | 237725 | 5.07 | ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 24.24 | 252 | 258641 | 4.66 | ng/ul | 99 |
| 86) Benzo(k)fluoranthene | 24.31 | 252 | 256810 | 4.81 | ng/ul | 96 |
| 88) Benzo(a)pyrene | 25.18 | 252 | 253649 | 4.80 | ng/ul | 96 |
| 89) Indeno(1,2,3-cd)pyrene | 29.28 | 276 | 313208 | 5.00 | ng/ul | 98 |
| 90) Dibenzo(a,h)anthracene | 29.34 | 278 | 261050 | 4.93 | ng/ul# | 95 |
| 91) Benzo(g,h,i)perylene | 30.51 | 276 | 257275 | 4.89 | ng/ul# | 92 |

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

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ALS Vial : 2 Sample Multiplier: 1

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