Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012218\
Data File : BG032207.D
Acq On : 22 Jan 2018 11:38
Operator : SJ/JU
Sample : SSTD02076
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD02076

**Manual Integrations APPROVED**
Sohil
1/23/2018 5:08:29 PM

Quant Time: Jan 22 12:57:02 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG012218.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 22 12:46:57 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.73 | 152 | 41245 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.61 | 136 | 177668 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 15.36 | 164 | 119242 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 18.09 | 188 | 289799 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 22.43 | 240 | 361264 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 26.11 | 264 | 383485 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.78 | 96 | 5956 | 9.36 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.84 | 99 | 57298 | 18.39 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 8.02 | 67 | 28115m | 18.05 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 8.24 | 132 | 54486 | 20.75 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.43 | 113 | 52177 | 18.76 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.92 | 128 | 25423 | 20.47 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.66 | 143 | 31775 | 20.09 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 11.21 | 165 | 67784 | 21.78 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.73 | 131 | 58789 | 18.72 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.74 | 166 | 202327 | 18.75 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 15.06 | 160 | 249892 | 21.40 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.52 | 143 | 26244 | 16.19 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 16.34 | 176 | 188028 | 18.91 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.44 | 200 | 32074 | 15.54 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 18.19 | 188 | 279706 | 20.16 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 20.43 | 212 | 340278 | 21.21 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 25.86 | 264 | 355061 | 20.13 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.82 | 88 | 5985 | 8.771 | ng/uL# | 90 |
| 4) Benzaldehyde | 7.83 | 77 | 35856 | 23.258 | ng/ul# | 75 |
| 6) Phenol | 7.87 | 94 | 58391 | 19.325 | ng/ul | 95 |
| 8) Bis(2-Chloroethyl)ether | 8.11 | 93 | 40039 | 18.721 | ng/ul | 93 |
| 10) 2-Chlorophenol | 8.28 | 128 | 50703 | 20.957 | ng/ul | 92 |
| 11) 2-Methylphenol | 9.16 | 108 | 44708 | 18.978 | ng/ul | 94 |
| 12) 2,2'-oxybis(1-Chloropropan | 9.26 | 45 | 40715 | 14.501 | ng/ul# | 92 |
| 14) Acetophenone | 9.57 | 105 | 75019 | 18.567 | ng/ul | 94 |
| 15) N-Nitroso-di-n-propylamine | 9.54 | 70 | 34617 | 18.251 | ng/ul# | 96 |
| 16) 4-Methylphenol | 9.50 | 108 | 49729 | 19.026 | ng/ul | 94 |
| 17) Hexachloroethane | 9.85 | 117 | 19538 | 20.186 | ng/ul# | 70 |
| 20) Nitrobenzene | 9.97 | 77 | 51193 | 19.197 | ng/ul# | 88 |
| 21) Isophorone | 10.49 | 82 | 95456 | 18.731 | ng/ul# | 89 |
| 23) 2-Nitrophenol | 10.69 | 139 | 32832 | 21.543 | ng/ul# | 84 |
| 24) 2,4-Dimethylphenol | 10.73 | 107 | 63828 | 20.939 | ng/ul | 94 |
| 25) Bis(2-Chloroethoxy)methane | 10.97 | 93 | 58345 | 19.709 | ng/ul# | 93 |
| 27) 2,4-Dichlorophenol | 11.23 | 162 | 65395 | 22.046 | ng/ul | 94 |
| 28) Naphthalene | 11.66 | 128 | 161357 | 20.121 | ng/ul | 97 |
| 30) 4-Chloroaniline | 11.76 | 127 | 56960 | 19.063 | ng/ul | 97 |
| 31) Hexachlorobutadiene | 11.93 | 225 | 57736 | 22.497 | ng/ul | 96 |
| 32) Caprolactam | 12.48 | 113 | 16454 | 17.283 | ng/ul# | 78 |
| 33) 4-Chloro-3-methylphenol | 12.83 | 107 | 57679 | 19.956 | ng/ul | 93 |
| 34) 2-Methylnaphthalene | 13.22 | 142 | 138313 | 19.986 | ng/ul | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.58 | 216 | 107894 | 23.487 | ng/ul# | 95 |
| 37) Hexachlorocyclopentadiene | 13.55 | 237 | 41014 | 15.227 | ng/ul | 99 |
| 38) 2,4,6-Trichlorophenol | 13.81 | 196 | 61633 | 22.478 | ng/ul | 95 |
| 39) 2,4,5-Trichlorophenol | 13.88 | 196 | 64050 | 21.988 | ng/ul | 97 |
| 40) 1,1'-Biphenyl | 14.20 | 154 | 190986 | 22.036 | ng/ul# | 96 |
| 41) 2-Chloronaphthalene | 14.25 | 162 | 153073 | 21.899 | ng/ul | 98 |
| 42) 2-Nitroaniline | 14.44 | 65 | 30903 | 18.758 | ng/ul# | 81 |
| 44) Dimethylphthalate | 14.79 | 163 | 196957 | 19.922 | ng/ul | 98 |
| 45) 2,6-Dinitrotoluene | 14.92 | 165 | 40346 | 20.330 | ng/ul | 90 |
| 47) Acenaphthylene | 15.09 | 152 | 212678 | 19.222 | ng/ul | 99 |
| 48) 3-Nitroaniline | 15.25 | 138 | 30901 | 18.735 | ng/ul | 84 |
| 49) Acenaphthene | 15.43 | 153 | 157962 | 20.849 | ng/ul | 98 |
| 50) 2,4-Dinitrophenol | 15.45 | 184 | 13918m | 10.987 | ng/ul | |
| 52) 4-Nitrophenol | 15.53 | 109 | 24586 | 18.648 | ng/ul# | 83 |
| 53) Dibenzofuran | 15.76 | 168 | 237844 | 20.647 | ng/ul | 96 |
| 54) 2,4-Dinitrotoluene | 15.70 | 165 | 58115 | 19.607 | ng/ul# | 87 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.97 | 232 | 63300 | 20.405 | ng/ul# | 95 |
| 56) Diethylphthalate | 16.13 | 149 | 185536 | 17.876 | ng/ul | 100 |
| 58) Fluorene | 16.40 | 166 | 190762 | 19.087 | ng/ul | 96 |
| 59) 4-Chlorophenyl-phenylether | 16.38 | 204 | 118534 | 19.856 | ng/ul | 97 |
| 60) 4-Nitroaniline | 16.40 | 138 | 33398 | 17.049 | ng/ul | 96 |
| 63) 4,6-Dinitro-2-methylphenol | 16.46 | 198 | 34172 | 17.283 | ng/ul# | 87 |
| 64) N-Nitrosodiphenylamine | 16.58 | 169 | 163073 | 22.292 | ng/ul | 97 |
| 65) 4-Bromophenyl-phenylether | 17.27 | 248 | 83742 | 22.473 | ng/ul# | 93 |
| 66) Hexachlorobenzene | 17.40 | 284 | 85497 | 20.175 | ng/ul | 95 |
| 67) Atrazine | 17.51 | 200 | 77402 | 22.177 | ng/ul | 95 |
| 68) Pentachlorophenol | 17.74 | 266 | 40235 | 18.186 | ng/ul | 93 |
| 69) Phenanthrene | 18.14 | 178 | 307063 | 21.312 | ng/ul | 99 |
| 71) Anthracene | 18.23 | 178 | 318402 | 21.224 | ng/ul | 99 |
| 72) 1,2,3,4-Tetrachlorobenzene | 14.18 | 216 | 110649 | 27.375 | ng/uL | 97 |
| 73) Pentachlorobenzene | 15.67 | 250 | 115256 | 19.188 | ng/uL | 99 |
| 74) Carbazole | 18.49 | 167 | 249748 | 20.329 | ng/ul | 97 |
| 75) Di-n-butylphthalate | 19.00 | 149 | 292169 | 21.419 | ng/ul | 100 |
| 76) Fluoranthene | 20.10 | 202 | 405584 | 22.026 | ng/ul# | 93 |
| 79) Pyrene | 20.46 | 202 | 418541 | 22.321 | ng/ul# | 90 |
| 80) Butylbenzylphthalate | 21.32 | 149 | 133430 | 23.946 | ng/ul# | 86 |
| 81) 3,3'-Dichlorobenzidine | 22.30 | 252 | 118490 | 17.928 | ng/ul# | 98 |
| 82) Benzo(a)anthracene | 22.41 | 228 | 440331 | 22.946 | ng/ul | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 22.25 | 149 | 190205 | 23.333 | ng/ul# | 95 |
| 84) Chrysene | 22.48 | 228 | 400898 | 22.838 | ng/ul | 99 |
| 86) Di-n-octyl phthalate | 23.62 | 149 | 327095 | 21.640 | ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 24.93 | 252 | 457237 | 21.417 | ng/ul# | 97 |
| 88) Benzo(k)fluoranthene | 25.01 | 252 | 449295 | 21.587 | ng/ul# | 97 |
| 90) Benzo(a)pyrene | 25.93 | 252 | 436493 | 21.248 | ng/ul# | 98 |
| 91) Indeno(1,2,3-cd)pyrene | 30.39 | 276 | 499315m | 20.029 | ng/ul | |
| 92) Dibenzo(a,h)anthracene | 30.46 | 278 | 412168 | 19.276 | ng/ul# | 97 |
| 93) Benzo(g,h,i)perylene | 31.73 | 276 | 377999 | 18.289 | ng/ul# | 95 |

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

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