Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN053119\
Data File : BN005972.D
Acq On : 31 May 2019 09:16
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** SSTD02004

**Manual Integrations APPROVED**
mohammad
6/5/2019 6:10:24 AM

Quant Time: May 31 14:03:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 29 02:28:30 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.73 | 152 | 539441 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.52 | 136 | 2387211 | 20.00 | ng/ul | 0.01 |
| 35) Acenaphthene-d10 | 14.39 | 164 | 1321253 | 20.00 | ng/ul | 0.02 |
| 61) Phenanthrene-d10 | 17.14 | 188 | 2595051 | 20.00 | ng/ul | 0.03 |
| 77) Chrysene-d12 | 21.36 | 240 | 1795281 | 20.00 | ng/ul | 0.03 |
| 85) Perylene-d12 | 23.64 | 264 | 1977095 | 20.00 | ng/ul | 0.05 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.25 | 96 | 96687 | 7.89 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.89 | 99 | 954861 | 19.97 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.07 | 67 | 545297 | 19.99 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.27 | 132 | 745964 | 20.48 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.44 | 113 | 754652 | 19.55 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.89 | 128 | 362967 | 23.69 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.61 | 143 | 387807 | 27.18 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.14 | 165 | 730107 | 21.67 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4 | 10.66 | 131 | 944092 | 21.37 | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6 | 13.79 | 166 | 1967357 | 20.20 | ng/ul | 0.01 |
| 46) Acenaphthylene-d8 | 14.08 | 160 | 2566439 | 21.06 | ng/ul | 0.02 |
| 51) 4-Nitrophenol-d4 | 14.59 | 143 | 353760 | 19.96 | ng/ul | 0.03 |
| 57) Fluorene-d10 | 15.38 | 176 | 1653568 | 20.24 | ng/ul | 0.02 |
| 62) 4,6-Dinitro-2-methylphenol | 15.51 | 200 | 251705 | 23.80 | ng/ul | 0.03 |
| 70) Anthracene-d10 | 17.24 | 188 | 2362727 | 21.39 | ng/ul | 0.02 |
| 78) Pyrene-d10 | 19.55 | 212 | 2180599 | 24.05 | ng/ul | 0.03 |
| 89) Benzo(a)pyrene-d12 | 23.49 | 264 | 1845129 | 20.91 | ng/ul | 0.04 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.29 | 88 | 106122 | 8.173 | ng/uL | 94 |
| 4) Benzaldehyde | 6.88 | 77 | 643119 | 19.483 | ng/ul | 97 |
| 6) Phenol | 6.92 | 94 | 979903 | 19.891 | ng/ul | 91 |
| 8) Bis(2-Chloroethyl)ether | 7.16 | 93 | 761863 | 20.026 | ng/ul | 92 |
| 10) 2-Chlorophenol | 7.29 | 128 | 759391 | 20.510 | ng/ul | 94 |
| 11) 2-Methylphenol | 8.17 | 108 | 746180 | 19.658 | ng/ul | 95 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.25 | 45 | 994524 | 19.630 | ng/ul# | 92 |
| 14) Acetophenone | 8.55 | 105 | 1152629 | 19.806 | ng/ul | 95 |
| 15) N-Nitroso-di-n-propylamine | 8.54 | 70 | 595055 | 19.109 | ng/ul | 87 |
| 16) 4-Methylphenol | 8.49 | 108 | 809949 | 19.437 | ng/ul | 96 |
| 17) Hexachloroethane | 8.81 | 117 | 306512 | 20.758 | ng/ul | 94 |
| 20) Nitrobenzene | 8.93 | 77 | 857874 | 21.935 | ng/ul | 91 |
| 21) Isophorone | 9.45 | 82 | 1689214 | 19.839 | ng/ul | 98 |
| 23) 2-Nitrophenol | 9.64 | 139 | 422276 | 25.282 | ng/ul | 93 |
| 24) 2,4-Dimethylphenol | 9.70 | 107 | 874769 | 20.903 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 9.94 | 93 | 1060039 | 20.454 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.17 | 162 | 713663 | 21.396 | ng/ul | 99 |
| 28) Naphthalene | 10.57 | 128 | 2386936 | 21.068 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.68 | 127 | 954475 | 21.539 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.86 | 225 | 420982 | 22.712 | ng/ul | 99 |
| 32) Caprolactam | 11.44 | 113 | 243753 | 18.310 | ng/ul# | 72 |
| 33) 4-Chloro-3-methylphenol | 11.81 | 107 | 802259 | 19.948 | ng/ul | 96 |
| 34) 2-Methylnaphthalene | 12.19 | 142 | 1703638 | 20.413 | ng/ul | 97 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.57 | 216 | 816859 | 23.149 | ng/ul | 98 |
| 37) Hexachlorocyclopentadiene | 12.54 | 237 | 449041 | 21.860 | ng/ul | 97 |
| 38) 2,4,6-Trichlorophenol | 12.81 | 196 | 539954 | 23.255 | ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 12.88 | 196 | 583081 | 22.970 | ng/ul | 99 |
| 40) 1,1'-Biphenyl | 13.21 | 154 | 2144575 | 21.884 | ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.25 | 162 | 1629696 | 21.957 | ng/ul | 98 |
| 42) 2-Nitroaniline | 13.46 | 65 | 479626 | 24.429 | ng/ul | 87 |
| 44) Dimethylphthalate | 13.85 | 163 | 1958757 | 20.120 | ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 13.97 | 165 | 402108 | 23.961 | ng/ul | 93 |
| 47) Acenaphthylene | 14.11 | 152 | 2527549 | 21.154 | ng/ul | 99 |
| 48) 3-Nitroaniline | 14.29 | 138 | 411928 | 22.610 | ng/ul# | 91 |
| 49) Acenaphthene | 14.45 | 153 | 1700185 | 20.946 | ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.50 | 184 | 149775 | 20.055 | ng/ul | 90 |
| 52) 4-Nitrophenol | 14.60 | 109 | 271701 | 19.554 | ng/ul | 86 |
| 53) Dibenzofuran | 14.79 | 168 | 2384057 | 20.806 | ng/ul | 99 |
| 54) 2,4-Dinitrotoluene | 14.75 | 165 | 553968 | 22.145 | ng/ul | 94 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.02 | 232 | 455386 | 21.826 | ng/ul | 99 |
| 56) Diethylphthalate | 15.22 | 149 | 1961654 | 19.359 | ng/ul | 100 |
| 58) Fluorene | 15.44 | 166 | 1842321 | 20.471 | ng/ul | 98 |
| 59) 4-Chlorophenyl-phenylether | 15.44 | 204 | 898361 | 20.949 | ng/ul | 98 |
| 60) 4-Nitroaniline | 15.46 | 138 | 453881 | 20.573 | ng/ul | 89 |
| 63) 4,6-Dinitro-2-methylphenol | 15.52 | 198 | 266447 | 22.905 | ng/ul | 95 |
| 64) N-Nitrosodiphenylamine | 15.65 | 169 | 1633463 | 22.578 | ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.34 | 248 | 547199 | 22.705 | ng/ul | 98 |
| 66) Hexachlorobenzene | 16.45 | 284 | 586372 | 22.644 | ng/ul | 99 |
| 67) Atrazine | 16.61 | 200 | 546029 | 21.335 | ng/ul | 99 |
| 68) Pentachlorophenol | 16.79 | 266 | 331347 | 21.751 | ng/ul | 98 |
| 69) Phenanthrene | 17.18 | 178 | 2723564 | 21.183 | ng/ul | 99 |
| 71) Anthracene | 17.28 | 178 | 2791604 | 21.386 | ng/ul | 100 |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.18 | 216 | 834059 | 25.900 | ng/uL | 99 |
| 73) Pentachlorobenzene | 14.71 | 250 | 732673 | 24.565 | ng/uL | 100 |
| 74) Carbazole | 17.54 | 167 | 2478426 | 21.076 | ng/ul | 100 |
| 75) Di-n-butylphthalate | 18.12 | 149 | 3055178 | 19.879 | ng/ul | 99 |
| 76) Fluoranthene | 19.21 | 202 | 2764524 | 20.141 | ng/ul# | 94 |
| 79) Pyrene | 19.58 | 202 | 2793738 | 24.566 | ng/ul | 96 |
| 80) Butylbenzylphthalate | 20.49 | 149 | 1197424 | 23.430 | ng/ul | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.28 | 252 | 766248 | 21.492 | ng/ul | 98 |
| 82) Benzo(a)anthracene | 21.34 | 228 | 2381819 | 21.105 | ng/ul | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.28 | 149 | 1687713 | 22.783 | ng/ul | 99 |
| 84) Chrysene | 21.39 | 228 | 2235708 | 21.241 | ng/ul | 99 |
| 86) Di-n-octyl phthalate | 22.18 | 149 | 2894607 | 24.813 | ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 22.95 | 252 | 2272373 | 20.463 | ng/ul | 99 |
| 88) Benzo(k)fluoranthene | 23.00 | 252 | 2199533m | 21.543 | ng/ul | |
| 90) Benzo(a)pyrene | 23.54 | 252 | 2205782 | 21.063 | ng/ul | 98 |
| 91) Indeno(1,2,3-cd)pyrene | 25.94 | 276 | 2653614 | 21.595 | ng/ul# | 95 |
| 92) Dibenzo(a,h)anthracene | 25.96 | 278 | 2235110 | 21.847 | ng/ul | 98 |
| 93) Benzo(g,h,i)perylene | 26.65 | 276 | 2265049 | 21.886 | ng/ul | 97 |

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

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