Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN010620\
Data File : BN009311.D
Acq On : 06 Jan 2020 15:04
Operator : JU
Sample : SSTD02054
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD020541

**Manual Integrations APPROVED**
mohammad
1/7/2020 12:30:04 PM

Quant Time: Jan 06 16:03:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM01-EPA-BN010620.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 06 16:00:02 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.48 | 152 | 213964 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.24 | 136 | 980795 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.12 | 164 | 665555 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 16.87 | 188 | 1429276 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.07 | 240 | 1345556 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.19 | 264 | 1423103 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.10 | 96 | 40353 | 8.33 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.68 | 99 | 349879 | 17.27 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.83 | 67 | 255064 | 20.99 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.02 | 132 | 270412 | 18.72 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.19 | 113 | 307104 | 18.54 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.62 | 128 | 144451 | 20.50 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.34 | 143 | 158632 | 20.47 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.87 | 165 | 308668 | 20.49 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.38 | 131 | 322002 | 17.60 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.54 | 166 | 983113 | 19.98 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.80 | 160 | 1177277 | 19.96 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.34 | 143 | 176605 | 19.99 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.12 | 176 | 847297 | 19.64 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.25 | 200 | 171711 | 19.69 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 16.96 | 188 | 1304724 | 20.06 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.27 | 212 | 1446808 | 22.57 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.06 | 264 | 1375537 | 19.46 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.13 | 88 | 40568 | 7.562 | ng/uL | 100 |
| 4) Benzaldehyde | 6.65 | 77 | 157804m | 12.049 | ng/ul | |
| 6) Phenol | 6.70 | 94 | 374486 | 17.901 | ng/ul | 100 |
| 8) Bis(2-Chloroethyl)ether | 6.93 | 93 | 307632 | 18.978 | ng/ul | 100 |
| 10) 2-Chlorophenol | 7.06 | 128 | 275955 | 18.621 | ng/ul | 100 |
| 11) 2-Methylphenol | 7.93 | 108 | 289087 | 18.586 | ng/ul | 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.02 | 45 | 757916 | 40.596 | ng/ul | 100 |
| 14) Acetophenone | 8.30 | 105 | 491267 | 19.671 | ng/ul | 100 |
| 15) N-Nitroso-di-n-propylamine | 8.29 | 70 | 284898 | 20.649 | ng/ul | 100 |
| 16) 4-Methylphenol | 8.26 | 108 | 327791 | 18.982 | ng/ul | 100 |
| 17) Hexachloroethane | 8.54 | 117 | 130187 | 21.284 | ng/ul | 100 |
| 20) Nitrobenzene | 8.66 | 77 | 401553 | 20.498 | ng/ul | 100 |
| 21) Isophorone | 9.19 | 82 | 768493 | 20.988 | ng/ul | 100 |
| 23) 2-Nitrophenol | 9.37 | 139 | 170434 | 19.978 | ng/ul | 100 |
| 24) 2,4-Dimethylphenol | 9.44 | 107 | 380438 | 20.673 | ng/ul | 100 |
| 25) Bis(2-Chloroethoxy)methane | 9.68 | 93 | 462904 | 20.350 | ng/ul | 100 |
| 27) 2,4-Dichlorophenol | 9.90 | 162 | 302753 | 20.534 | ng/ul | 100 |
| 28) Naphthalene | 10.29 | 128 | 1032811 | 20.095 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.40 | 127 | 318307 | 17.237 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 10.58 | 225 | 191631 | 21.025 | ng/ul | 100 |
| 32) Caprolactam | 11.18 | 113 | 104373m | 18.734 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.54 | 107 | 373222 | 21.096 | ng/ul | 100 |
| 34) 2-Methylnaphthalene | 11.91 | 142 | 736278 | 20.042 | ng/ul | 100 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.13 | 142 | 746665 | 19.912 | ng/ul | 100 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.29 | 216 | 382531 | 21.262 | ng/ul | 100 |
| 38) Hexachlorocyclopentadiene | 12.27 | 237 | 216346 | 26.687 | ng/ul | 100 |
| 39) 2,4,6-Trichlorophenol | 12.53 | 196 | 248051 | 20.847 | ng/ul | 100 |
| 40) 2,4,5-Trichlorophenol | 12.61 | 196 | 271296 | 21.150 | ng/ul | 100 |
| 41) 1,1'-Biphenyl | 12.95 | 154 | 986848 | 19.864 | ng/ul | 100 |
| 42) 2-Chloronaphthalene | 12.98 | 162 | 770078 | 19.729 | ng/ul | 100 |
| 43) 2-Nitroaniline | 13.19 | 65 | 288862 | 25.241 | ng/ul | 100 |
| 45) Dimethylphthalate | 13.59 | 163 | 1013268 | 19.810 | ng/ul | 100 |
| 46) 2,6-Dinitrotoluene | 13.70 | 165 | 205063 | 20.352 | ng/ul | 100 |
| 48) Acenaphthylene | 13.83 | 152 | 1246389 | 19.907 | ng/ul | 100 |
| 49) 3-Nitroaniline | 14.03 | 138 | 146725 | 15.344 | ng/ul | 100 |
| 50) Acenaphthene | 14.18 | 153 | 840601 | 19.527 | ng/ul | 100 |
| 51) 2,4-Dinitrophenol | 14.25 | 184 | 107630 | 19.009 | ng/ul | 100 |
| 53) 4-Nitrophenol | 14.36 | 109 | 155997 | 22.139 | ng/ul | 100 |
| 54) Dibenzofuran | 14.52 | 168 | 1158652 | 19.360 | ng/ul | 100 |
| 55) 2,4-Dinitrotoluene | 14.50 | 165 | 296919 | 19.513 | ng/ul | 100 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.76 | 232 | 228223 | 19.681 | ng/ul | 100 |
| 57) Diethylphthalate | 14.97 | 149 | 1043413 | 20.064 | ng/ul | 100 |
| 59) Fluorene | 15.17 | 166 | 976699 | 19.325 | ng/ul | 100 |
| 60) 4-Chlorophenyl-phenylether | 15.17 | 204 | 485539 | 19.756 | ng/ul | 100 |
| 61) 4-Nitroaniline | 15.20 | 138 | 168766 | 15.984 | ng/ul | 100 |
| 64) 4,6-Dinitro-2-methylphenol | 15.27 | 198 | 183608 | 19.716 | ng/ul | 100 |
| 65) N-Nitrosodiphenylamine | 15.39 | 169 | 832829 | 20.041 | ng/ul | 100 |
| 66) 4-Bromophenyl-phenylether | 16.07 | 248 | 281076 | 18.501 | ng/ul | 100 |
| 67) Hexachlorobenzene | 16.18 | 284 | 317606 | 17.073 | ng/ul | 100 |
| 68) Atrazine | 16.36 | 200 | 312925 | 20.257 | ng/ul | 100 |
| 69) Pentachlorophenol | 16.53 | 266 | 180741 | 18.541 | ng/ul | 100 |
| 70) Phenanthrene | 16.91 | 178 | 1581476 | 19.764 | ng/ul | 100 |
| 72) Anthracene | 17.00 | 178 | 1598460 | 19.870 | ng/ul | 100 |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.90 | 216 | 378867 | 21.121 | ng/uL | 100 |
| 74) Pentachlorobenzene | 14.45 | 250 | 370599 | 18.759 | ng/uL | 100 |
| 75) Carbazole | 17.27 | 167 | 1357246 | 19.640 | ng/ul | 100 |
| 76) Di-n-butylphthalate | 17.86 | 149 | 1825560 | 22.027 | ng/ul | 100 |
| 77) Fluoranthene | 18.93 | 202 | 1791315 | 20.539 | ng/ul | 100 |
| 80) Pyrene | 19.30 | 202 | 1939532 | 22.080 | ng/ul | 100 |
| 81) Butylbenzylphthalate | 20.23 | 149 | 798212 | 23.065 | ng/ul | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.00 | 252 | 462299 | 15.477 | ng/ul | 100 |
| 83) Benzo(a)anthracene | 21.06 | 228 | 1771821 | 20.668 | ng/ul | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.02 | 149 | 1209982 | 23.462 | ng/ul | 100 |
| 85) Chrysene | 21.11 | 228 | 1768142 | 21.042 | ng/ul | 100 |
| 87) Di-n-octyl phthalate | 21.87 | 149 | 2031289 | 26.418 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.57 | 252 | 1689256 | 19.838 | ng/ul | 100 |
| 89) Benzo(k)fluoranthene | 22.61 | 252 | 1705532 | 20.414 | ng/ul | 100 |
| 91) Benzo(a)pyrene | 23.10 | 252 | 1550329 | 20.126 | ng/ul | 100 |
| 92) Indeno(1,2,3-cd)pyrene | 25.27 | 276 | 1712313 | 18.512 | ng/ul | 100 |
| 93) Dibenzo(a,h)anthracene | 25.29 | 278 | 1431061 | 18.454 | ng/ul | 100 |
| 94) Benzo(g,h,i)perylene | 25.90 | 276 | 1357302 | 17.972 | ng/ul | 100 |

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

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

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