Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050619\
Data File : BN005484.D
Acq On : 06 May 2019 09:36
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** SSTD02097

**Manual Integrations APPROVED**
mohammad
5/7/2019 3:12:49 PM

Quant Time: May 07 05:34:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.59 | 152 | 255316 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.35 | 136 | 1138060 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.22 | 164 | 744399 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.98 | 188 | 1811539 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.22 | 240 | 1446249 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.42 | 264 | 1341033 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.21 | 96 | 34024 | 6.43 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.78 | 99 | 368534 | 18.38 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.93 | 67 | 203910 | 16.30 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.13 | 132 | 296964 | 19.35 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.29 | 113 | 312051 | 19.91 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.73 | 128 | 160952 | 22.98 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.45 | 143 | 172960 | 24.36 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.98 | 165 | 345942 | 21.25 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.49 | 131 | 370786 | 22.09 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.64 | 166 | 1067201 | 19.75 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.91 | 160 | 1350728 | 20.35 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.45 | 143 | 164770 | 19.31 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.22 | 176 | 939666 | 20.72 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 161802 | 19.86 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.08 | 188 | 1497425 | 19.72 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.39 | 212 | 1628620 | 22.01 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.28 | 264 | 1177149 | 20.09 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.25 | 88 | 37304 | 6.559 | ng/uL | 97 |
| 4) Benzaldehyde | 6.75 | 77 | 252481 | 17.768 | ng/ul | 99 |
| 6) Phenol | 6.80 | 94 | 381175 | 18.480 | ng/ul | 97 |
| 8) Bis(2-Chloroethyl)ether | 7.03 | 93 | 291560 | 17.654 | ng/ul | 95 |
| 10) 2-Chlorophenol | 7.16 | 128 | 307570 | 19.386 | ng/ul | 95 |
| 11) 2-Methylphenol | 8.03 | 108 | 295114 | 19.094 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.12 | 45 | 410561 | 14.806 | ng/ul | 96 |
| 14) Acetophenone | 8.40 | 105 | 502936 | 20.048 | ng/ul | 95 |
| 15) N-Nitroso-di-n-propylamine | 8.39 | 70 | 246860 | 18.396 | ng/ul# | 89 |
| 16) 4-Methylphenol | 8.35 | 108 | 328686 | 19.692 | ng/ul | 97 |
| 17) Hexachloroethane | 8.65 | 117 | 126493 | 18.360 | ng/ul | 92 |
| 20) Nitrobenzene | 8.78 | 77 | 368346 | 19.108 | ng/ul | 91 |
| 21) Isophorone | 9.29 | 82 | 718082 | 18.814 | ng/ul | 97 |
| 23) 2-Nitrophenol | 9.48 | 139 | 184231 | 22.895 | ng/ul | 98 |
| 24) 2,4-Dimethylphenol | 9.54 | 107 | 381230 | 18.921 | ng/ul | 98 |
| 25) Bis(2-Chloroethoxy)methane | 9.78 | 93 | 426751 | 17.792 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 10.00 | 162 | 339168 | 21.113 | ng/ul | 98 |
| 28) Naphthalene | 10.40 | 128 | 1041958 | 19.694 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.51 | 127 | 374778 | 21.919 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 10.69 | 225 | 232572 | 20.501 | ng/ul | 97 |
| 32) Caprolactam | 11.27 | 113 | 111406m | 22.921 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.65 | 107 | 366667 | 20.270 | ng/ul | 95 |
| 34) 2-Methylnaphthalene | 12.02 | 142 | 790888 | 20.416 | ng/ul | 99 |

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Quant Time: May 07 05:34:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216 | 469887 | 20.397 ng/ul | 97 |
| 37) Hexachlorocyclopentadiene | 12.37 | 237 | 212903 | 13.555 ng/ul | 100 |
| 38) 2,4,6-Trichlorophenol | 12.65 | 196 | 291168 | 20.960 ng/ul | 96 |
| 39) 2,4,5-Trichlorophenol | 12.72 | 196 | 313655 | 21.012 ng/ul | 96 |
| 40) 1,1'-Biphenyl | 13.05 | 154 | 1059255 | 19.098 ng/ul | 97 |
| 41) 2-Chloronaphthalene | 13.09 | 162 | 825554 | 19.353 ng/ul | 97 |
| 42) 2-Nitroaniline | 13.30 | 65 | 238116 | 21.046 ng/ul | 90 |
| 44) Dimethylphthalate | 13.69 | 163 | 1063857 | 19.758 ng/ul | 100 |
| 45) 2,6-Dinitrotoluene | 13.81 | 165 | 222733 | 23.957 ng/ul | 89 |
| 47) Acenaphthylene | 13.94 | 152 | 1296364 | 19.875 ng/ul | 98 |
| 48) 3-Nitroaniline | 14.14 | 138 | 202490 | 23.428 ng/ul# | 85 |
| 49) Acenaphthene | 14.29 | 153 | 870424 | 19.548 ng/ul | 98 |
| 50) 2,4-Dinitrophenol | 14.36 | 184 | 76461 | 16.884 ng/ul | 89 |
| 52) 4-Nitrophenol | 14.46 | 109 | 137911 | 17.807 ng/ul | 96 |
| 53) Dibenzofuran | 14.63 | 168 | 1294685 | 20.195 ng/ul | 96 |
| 54) 2,4-Dinitrotoluene | 14.60 | 165 | 325229 | 24.266 ng/ul | 93 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.86 | 232 | 285267 | 22.972 ng/ul | 91 |
| 56) Diethylphthalate | 15.06 | 149 | 1065019 | 19.726 ng/ul | 99 |
| 58) Fluorene | 15.28 | 166 | 1046470 | 20.919 ng/ul | 97 |
| 59) 4-Chlorophenyl-phenylether | 15.28 | 204 | 555165 | 20.920 ng/ul | 96 |
| 60) 4-Nitroaniline | 15.30 | 138 | 248594 | 23.071 ng/ul | 95 |
| 63) 4,6-Dinitro-2-methylphenol | 15.37 | 198 | 172843 | 19.932 ng/ul | 93 |
| 64) N-Nitrosodiphenylamine | 15.50 | 169 | 924892 | 18.654 ng/ul | 100 |
| 65) 4-Bromophenyl-phenylether | 16.17 | 248 | 366620 | 20.089 ng/ul | 95 |
| 66) Hexachlorobenzene | 16.29 | 284 | 401574 | 20.664 ng/ul | 93 |
| 67) Atrazine | 16.46 | 200 | 358916 | 19.445 ng/ul | 98 |
| 68) Pentachlorophenol | 16.63 | 266 | 204069 | 17.934 ng/ul | 98 |
| 69) Phenanthrene | 17.02 | 178 | 1705647 | 19.333 ng/ul | 100 |
| 71) Anthracene | 17.11 | 178 | 1753485 | 19.510 ng/ul | 99 |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.01 | 216 | 486519 | 18.387 ng/uL | 98 |
| 73) Pentachlorobenzene | 14.55 | 250 | 459035 | 19.275 ng/uL | 99 |
| 74) Carbazole | 17.39 | 167 | 1535078 | 19.883 ng/ul | 99 |
| 75) Di-n-butylphthalate | 17.96 | 149 | 1847537 | 19.073 ng/ul | 99 |
| 76) Fluoranthene | 19.06 | 202 | 2025646 | 20.700 ng/ul# | 94 |
| 79) Pyrene | 19.42 | 202 | 2020421 | 21.697 ng/ul | 95 |
| 80) Butylbenzylphthalate | 20.35 | 149 | 808806 | 21.938 ng/ul | 91 |
| 81) 3,3'-Dichlorobenzidine | 21.14 | 252 | 533170 | 18.452 ng/ul# | 97 |
| 82) Benzo(a)anthracene | 21.20 | 228 | 1764142 | 19.608 ng/ul | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 1170704 | 20.622 ng/ul# | 96 |
| 84) Chrysene | 21.25 | 228 | 1637150 | 19.606 ng/ul | 100 |
| 86) Di-n-octyl phthalate | 22.03 | 149 | 1895065 | 23.073 ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 22.76 | 252 | 1485536 | 19.706 ng/ul# | 97 |
| 88) Benzo(k)fluoranthene | 22.81 | 252 | 1475361m | 20.492 ng/ul | |
| 90) Benzo(a)pyrene | 23.33 | 252 | 1408526 | 19.879 ng/ul# | 98 |
| 91) Indeno(1,2,3-cd)pyrene | 25.61 | 276 | 1544293 | 19.713 ng/ul | 96 |
| 92) Dibenzo(a,h)anthracene | 25.62 | 278 | 1305199 | 19.632 ng/ul# | 96 |
| 93) Benzo(g,h,i)perylene | 26.27 | 276 | 1263384 | 19.504 ng/ul# | 94 |

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

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