Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041897.D
Acq On : 2 Aug 2019 21:41
Operator : HP/JU
Sample : SSTD08074
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTD08074

**Manual Integrations APPROVED**
mohammad
8/5/2019 3:01:18 PM

Quant Time: Aug 03 02:53:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 03 01:46:33 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.04 | 152 | 86018 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.86 | 136 | 378322 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.69 | 164 | 279673 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.45 | 188 | 630416 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.73 | 240 | 618784 | 20.00 | ng/ul | 0.01 |
| 85) Perylene-d12 | 25.00 | 264 | 724341 | 20.00 | ng/ul | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.42 | 96 | 59238 | 31.72 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.18 | 99 | 559522 | 76.58 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.35 | 67 | 301516 | 70.11 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.57 | 132 | 467558 | 77.99 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.75 | 113 | 472050 | 77.89 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.20 | 128 | 233756 | 77.56 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.93 | 143 | 287432 | 85.42 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.47 | 165 | 553805 | 80.81 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.99 | 131 | 615110 | 84.44 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.10 | 166 | 1564383 | 63.71 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.39 | 160 | 1766068 | 59.46 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.89 | 143 | 305228 | 76.38 | ng/ul | 0.02 |
| 57) Fluorene-d10 | 15.69 | 176 | 1369052 | 63.61 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.81 | 200 | 359990 | 92.48 | ng/ul | 0.02 |
| 70) Anthracene-d10 | 17.55 | 188 | 2061837m | 63.59 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.83 | 212 | 2333262 | 64.43 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 24.77 | 264 | 2799256 | 67.03 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.45 | 88 | 58817 | 30.667 | ng/uL# | 89 |
| 4) Benzaldehyde | 7.16 | 77 | 263944 | 78.347 | ng/ul | 96 |
| 6) Phenol | 7.21 | 94 | 567935 | 80.731 | ng/ul | 99 |
| 8) Bis(2-Chloroethyl)ether | 7.45 | 93 | 420728 | 78.416 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.59 | 128 | 476201 | 83.010 | ng/ul | 96 |
| 11) 2-Methylphenol | 8.48 | 108 | 466579 | 85.484 | ng/ul | 96 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.56 | 45 | 707630 | 97.009 | ng/ul | 98 |
| 14) Acetophenone | 8.86 | 105 | 697195 | 78.875 | ng/ul | 96 |
| 15) N-Nitroso-di-n-propylamine | 8.86 | 70 | 370393 | 80.733 | ng/ul | 96 |
| 16) 4-Methylphenol | 8.82 | 108 | 490770 | 82.925 | ng/ul | 91 |
| 17) Hexachloroethane | 9.13 | 117 | 185655 | 77.665 | ng/ul | 96 |
| 20) Nitrobenzene | 9.25 | 77 | 514907 | 75.692 | ng/ul | 97 |
| 21) Isophorone | 9.78 | 82 | 1017204 | 79.123 | ng/ul | 97 |
| 23) 2-Nitrophenol | 9.96 | 139 | 298626 | 86.928 | ng/ul | 99 |
| 24) 2,4-Dimethylphenol | 10.02 | 107 | 546646 | 78.203 | ng/ul | 98 |
| 25) Bis(2-Chloroethoxy)methane | 10.26 | 93 | 606001 | 76.400 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 10.50 | 162 | 532210 | 83.618 | ng/ul | 99 |
| 28) Naphthalene | 10.91 | 128 | 1421229 | 73.120 | ng/ul | 97 |
| 30) 4-Chloroaniline | 11.01 | 127 | 614762 | 88.709 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 11.20 | 225 | 382996 | 85.354 | ng/ul | 97 |
| 32) Caprolactam | 11.80 | 113 | 183860m | 100.600 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.14 | 107 | 530639 | 83.356 | ng/ul | 100 |
| 34) 2-Methylnaphthalene | 12.52 | 142 | 1145252 | 76.678 | ng/ul | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 743873 | 74.069 ng/ul | 98 |
| 37) Hexachlorocyclopentadiene | 12.87 | 237 | 520598 | 86.137 ng/ul | 93 |
| 38) 2,4,6-Trichlorophenol | 13.12 | 196 | 511007 | 82.839 ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 13.20 | 196 | 554545 | 83.297 ng/ul | 98 |
| 40) 1,1'-Biphenyl | 13.53 | 154 | 1427253 | 63.110 ng/ul | 90 |
| 41) 2-Chloronaphthalene | 13.57 | 162 | 1195303 | 66.680 ng/ul | 93 |
| 42) 2-Nitroaniline | 13.76 | 65 | 356625 | 81.519 ng/ul | 95 |
| 44) Dimethylphthalate | 14.15 | 163 | 1505317 | 66.180 ng/ul# | 94 |
| 45) 2,6-Dinitrotoluene | 14.26 | 165 | 384837 | 87.033 ng/ul | 99 |
| 47) Acenaphthylene | 14.42 | 152 | 1712631 | 65.247 ng/ul# | 90 |
| 48) 3-Nitroaniline | 14.59 | 138 | 311149 | 81.981 ng/ul | 90 |
| 49) Acenaphthene | 14.76 | 153 | 1266862 | 66.478 ng/ul | 96 |
| 50) 2,4-Dinitrophenol | 14.79 | 184 | 256728 | 114.468 ng/ul | 94 |
| 52) 4-Nitrophenol | 14.90 | 109 | 227899 | 77.133 ng/ul | 98 |
| 53) Dibenzofuran | 15.10 | 168 | 1765474 | 64.222 ng/ul | 89 |
| 54) 2,4-Dinitrotoluene | 15.05 | 165 | 541314 | 84.261 ng/ul | 99 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.32 | 232 | 538148 | 91.608 ng/ul# | 99 |
| 56) Diethylphthalate | 15.51 | 149 | 1509865 | 68.398 ng/ul# | 93 |
| 58) Fluorene | 15.74 | 166 | 1432026 | 64.393 ng/ul# | 97 |
| 59) 4-Chlorophenyl-phenylether | 15.74 | 204 | 881544 | 71.992 ng/ul | 96 |
| 60) 4-Nitroaniline | 15.77 | 138 | 352794 | 87.033 ng/ul | 93 |
| 63) 4,6-Dinitro-2-methylphenol | 15.82 | 198 | 390643 | 99.377 ng/ul | 97 |
| 64) N-Nitrosodiphenylamine | 15.95 | 169 | 1363923 | 71.815 ng/ul | 95 |
| 65) 4-Bromophenyl-phenylether | 16.63 | 248 | 645229 | 82.292 ng/ul | 97 |
| 66) Hexachlorobenzene | 16.75 | 284 | 637248 | 72.658 ng/ul | 99 |
| 67) Atrazine | 16.90 | 200 | 608296 | 84.913 ng/ul | 97 |
| 68) Pentachlorophenol | 17.10 | 266 | 430019 | 97.782 ng/ul | 98 |
| 69) Phenanthrene | 17.49 | 178 | 2273224 | 64.878 ng/ul# | 87 |
| 71) Anthracene | 17.58 | 178 | 2273570 | 63.671 ng/ul# | 87 |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.49 | 216 | 785896 | 79.048 ng/uL | 99 |
| 73) Pentachlorobenzene | 15.02 | 250 | 785497 | 77.214 ng/uL | 99 |
| 74) Carbazole | 17.85 | 167 | 2121139 | 71.087 ng/ul# | 88 |
| 75) Di-n-butylphthalate | 18.41 | 149 | 2278651m | 63.689 ng/ul | |
| 76) Fluoranthene | 19.50 | 202 | 2691712 | 67.971 ng/ul# | 92 |
| 79) Pyrene | 19.86 | 202 | 2509360m | 58.359 ng/ul | |
| 80) Butylbenzylphthalate | 20.74 | 149 | 1184123 | 73.252 ng/ul | 93 |
| 81) 3,3'-Dichlorobenzidine | 21.62 | 252 | 1135178 | 80.801 ng/ul | 99 |
| 82) Benzo(a)anthracene | 21.71 | 228 | 2803323 | 66.047 ng/ul# | 85 |
| 83) Bis(2-ethylhexyl)phthalate | 21.62 | 149 | 1557258 | 67.587 ng/ul | 92 |
| 84) Chrysene | 21.78 | 228 | 2609636 | 65.442 ng/ul# | 84 |
| 86) Di-n-octyl phthalate | 22.85 | 149 | 2647023 | 64.638 ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 23.96 | 252 | 3214078 | 70.224 ng/ul | 93 |
| 88) Benzo(k)fluoranthene | 24.03 | 252 | 2941198 | 66.709 ng/ul# | 90 |
| 90) Benzo(a)pyrene | 24.86 | 252 | 3039149 | 70.077 ng/ul | 92 |
| 91) Indeno(1,2,3-cd)pyrene | 28.75 | 276 | 3887531 | 76.309 ng/ul | 97 |
| 92) Dibenzo(a,h)anthracene | 28.82 | 278 | 3086667 | 72.401 ng/ul | 94 |
| 93) Benzo(g,h,i)perylene | 29.93 | 276 | 3218147 | 76.636 ng/ul | 98 |

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

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