Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082520\
Data File : BM027250.D
Acq On : 26 Aug 2020 16:00
Operator : JU/CG
Sample : SSTDCCC020
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02002

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8/27/2020 3:13:52 PM

Quant Time: Aug 26 16:41:16 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082520MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 25 15:35:13 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.59 | 152 | 173724 | 20.00 | ng/ul | -0.01 |
| 18) Naphthalene-d8 | 10.37 | 136 | 696638 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.23 | 164 | 484687 | 20.00 | ng/ul | -0.01 |
| 62) Phenanthrene-d10 | 16.98 | 188 | 1106708 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.18 | 240 | 1155077 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.36 | 264 | 923081 | 20.00 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.16 | 96 | 24285 | 7.92 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.78 | 99 | 270657 | 19.21 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.94 | 67 | 179398 | 19.68 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.13 | 132 | 213384 | 19.66 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.30 | 113 | 221623 | 19.60 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5 | 8.74 | 128 | 105125 | 18.83 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.46 | 143 | 118642 | 18.43 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.99 | 165 | 247946 | 18.88 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4 | 10.50 | 131 | 278580 | 19.69 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.65 | 166 | 725170 | 18.86 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.92 | 160 | 880163 | 19.36 | ng/ul | -0.01 |
| 52) 4-Nitrophenol-d4 | 14.45 | 143 | 125051 | 19.28 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.23 | 176 | 646818 | 19.49 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 119827 | 16.60 | ng/ul | -0.01 |
| 71) Anthracene-d10 | 17.08 | 188 | 1014836 | 19.32 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.38 | 212 | 1155122 | 17.34 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.23 | 264 | 1002432 | 19.48 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.19 | 88 | 28204 | 7.810 | ng/uL | 91 |
| 4) Benzaldehyde | 6.75 | 77 | 211235 | 21.288 | ng/ul | 97 |
| 6) Phenol | 6.80 | 94 | 282689 | 19.193 | ng/ul | 94 |
| 8) Bis(2-Chloroethyl)ether | 7.03 | 93 | 234684 | 19.818 | ng/ul | 99 |
| 10) 2-Chlorophenol | 7.17 | 128 | 217826 | 19.658 | ng/ul | 99 |
| 11) 2-Methylphenol | 8.04 | 108 | 210493 | 19.219 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.13 | 45 | 182946 | 19.954 | ng/ul | 99 |
| 14) Acetophenone | 8.41 | 105 | 355957 | 19.646 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.40 | 70 | 212263 | 19.457 | ng/ul | 98 |
| 16) 4-Methylphenol | 8.37 | 108 | 229602 | 19.551 | ng/ul | 95 |
| 17) Hexachloroethane | 8.66 | 117 | 104338 | 19.976 | ng/ul | 97 |
| 20) Nitrobenzene | 8.78 | 77 | 323096 | 19.353 | ng/ul | 99 |
| 21) Isophorone | 9.31 | 82 | 553376 | 18.392 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.49 | 139 | 128831 | 18.827 | ng/ul | 95 |
| 24) 2,4-Dimethylphenol | 9.56 | 107 | 273559 | 19.000 | ng/ul | 98 |
| 25) Bis(2-Chloroethoxy)methane | 9.79 | 93 | 320913 | 18.614 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.02 | 162 | 243109 | 19.065 | ng/ul | 98 |
| 28) Naphthalene | 10.42 | 128 | 715010 | 19.272 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.52 | 127 | 280140 | 19.763 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 10.72 | 225 | 182037 | 18.997 | ng/ul | 99 |
| 32) Caprolactam | 11.29 | 113 | 69850m | 18.275 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.66 | 107 | 253339 | 19.002 | ng/ul | 97 |
| 34) 2-Methylnaphthalene | 12.04 | 142 | 541918 | 19.229 | ng/ul | 98 |

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.26 | 142 | 522579 | 18.998 | ng/ul | 100 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.42 | 216 | 336639 | 19.425 | ng/ul | 97 |
| 38) Hexachlorocyclopentadiene | 12.40 | 237 | 194367 | 16.582 | ng/ul | 99 |
| 39) 2,4,6-Trichlorophenol | 12.66 | 196 | 210645 | 19.092 | ng/ul | 98 |
| 40) 2,4,5-Trichlorophenol | 12.73 | 196 | 226199 | 19.292 | ng/ul | 96 |
| 41) 1,1'-Biphenyl | 13.06 | 154 | 724728 | 19.053 | ng/ul | 99 |
| 42) 2-Chloronaphthalene | 13.10 | 162 | 596796 | 19.504 | ng/ul | 100 |
| 43) 2-Nitroaniline | 13.30 | 65 | 185914 | 20.160 | ng/ul | 98 |
| 45) Dimethylphthalate | 13.70 | 163 | 764320 | 19.150 | ng/ul | 100 |
| 46) 2,6-Dinitrotoluene | 13.81 | 165 | 159560 | 19.399 | ng/ul | 95 |
| 48) Acenaphthylene | 13.95 | 152 | 878084 | 19.317 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.14 | 138 | 140257 | 20.001 | ng/ul | 100 |
| 50) Acenaphthene | 14.30 | 153 | 611544 | 19.203 | ng/ul | 97 |
| 51) 2,4-Dinitrophenol | 14.35 | 184 | 77826 | 16.477 | ng/ul | 98 |
| 53) 4-Nitrophenol | 14.46 | 109 | 125303 | 20.377 | ng/ul | 98 |
| 54) Dibenzofuran | 14.64 | 168 | 888180 | 19.428 | ng/ul | 98 |
| 55) 2,4-Dinitrotoluene | 14.60 | 165 | 230705 | 19.700 | ng/ul | 97 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.87 | 232 | 204641 | 19.490 | ng/ul | 98 |
| 57) Diethylphthalate | 15.07 | 149 | 770726 | 19.371 | ng/ul | 98 |
| 59) Fluorene | 15.29 | 166 | 746325 | 19.251 | ng/ul | 100 |
| 60) 4-Chlorophenyl-phenylether | 15.29 | 204 | 403963 | 19.070 | ng/ul | 97 |
| 61) 4-Nitroaniline | 15.30 | 138 | 160299 | 20.663 | ng/ul | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.37 | 198 | 128304 | 16.373 | ng/ul# | 95 |
| 65) N-Nitrosodiphenylamine | 15.50 | 169 | 629944 | 18.902 | ng/ul | 99 |
| 66) 4-Bromophenyl-phenylether | 16.18 | 248 | 260574 | 18.781 | ng/ul | 98 |
| 67) Hexachlorobenzene | 16.30 | 284 | 299098 | 18.884 | ng/ul | 97 |
| 68) Atrazine | 16.46 | 200 | 257730 | 18.844 | ng/ul | 98 |
| 69) Pentachlorophenol | 16.64 | 266 | 174794 | 18.792 | ng/ul | 99 |
| 70) Phenanthrene | 17.02 | 178 | 1219527 | 19.307 | ng/ul | 100 |
| 72) Anthracene | 17.12 | 178 | 1241923 | 19.301 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.03 | 216 | 321122 | 18.685 | ng/uL | 99 |
| 74) Pentachlorobenzene | 14.56 | 250 | 330789 | 18.637 | ng/uL | 99 |
| 75) Carbazole | 17.38 | 167 | 1061692 | 20.016 | ng/ul | 98 |
| 76) Di-n-butylphthalate | 17.97 | 149 | 1327459 | 19.557 | ng/ul | 99 |
| 77) Fluoranthene | 19.04 | 202 | 1508651 | 19.936 | ng/ul | 98 |
| 80) Pyrene | 19.41 | 202 | 1537424 | 17.255 | ng/ul | 100 |
| 81) Butylbenzylphthalate | 20.33 | 149 | 613102 | 18.204 | ng/ul | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.10 | 252 | 507779 | 18.870 | ng/ul | 98 |
| 83) Benzo(a)anthracene | 21.17 | 228 | 1474157 | 19.246 | ng/ul | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.12 | 149 | 901550 | 18.925 | ng/ul | 99 |
| 85) Chrysene | 21.22 | 228 | 1416985 | 19.323 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 21.99 | 149 | 1521938 | 21.163 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.72 | 252 | 1300376 | 19.761 | ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 22.76 | 252 | 1310814 | 20.672 | ng/ul | 99 |
| 91) Benzo(a)pyrene | 23.27 | 252 | 1124368 | 19.469 | ng/ul | 100 |
| 92) Indeno(1,2,3-cd)pyrene | 25.54 | 276 | 1173077 | 17.632 | ng/ul | 99 |
| 93) Dibenzo(a,h)anthracene | 25.55 | 278 | 1004932 | 17.803 | ng/ul | 100 |
| 94) Benzo(g,h,i)perylene | 26.20 | 276 | 947275 | 17.413 | ng/ul | 99 |

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**Instrument :**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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

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