Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027086.D
Acq On : 14 Aug 2020 13:38
Operator : JU/CG
Sample : SSTDCCC020
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD02022

Quant Time: Aug 14 14:17:19 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 13 11:47:07 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.64 | 152 | 105407 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.41 | 136 | 380268 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.27 | 164 | 264687 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.02 | 188 | 549165 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.21 | 240 | 630259 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.41 | 264 | 629131 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.20 | 96 | 20281 | 8.74 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.82 | 99 | 158190 | 19.30 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.98 | 67 | 104690 | 18.65 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.17 | 132 | 127733 | 19.76 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.35 | 113 | 131891 | 20.64 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.78 | 128 | 65268 | 21.66 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.50 | 143 | 67998 | 21.77 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.03 | 165 | 148945 | 22.69 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.54 | 131 | 158111 | 20.72 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.69 | 166 | 411894 | 19.51 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.96 | 160 | 508849 | 20.23 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.47 | 143 | 70709 | 19.84 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.27 | 176 | 372196 | 20.23 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 53922 | 17.98 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.12 | 188 | 551859 | 20.40 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.42 | 212 | 636758 | 20.26 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.27 | 264 | 718313 | 20.45 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.23 | 88 | 22229 | 7.539 | ng/uL | 98 |
| 4) Benzaldehyde | 6.79 | 77 | 117375 | 14.732 | ng/ul | 95 |
| 6) Phenol | 6.85 | 94 | 170772 | 19.761 | ng/ul | 97 |
| 8) Bis(2-Chloroethyl)ether | 7.07 | 93 | 135947 | 19.059 | ng/ul | 94 |
| 10) 2-Chlorophenol | 7.21 | 128 | 132181 | 19.565 | ng/ul | 98 |
| 11) 2-Methylphenol | 8.08 | 108 | 128178 | 20.419 | ng/ul | 96 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.17 | 45 | 103709 | 19.086 | ng/ul | 94 |
| 14) Acetophenone | 8.45 | 105 | 226814 | 21.120 | ng/ul | 95 |
| 15) N-Nitroso-di-n-propylamine | 8.45 | 70 | 132141 | 21.210 | ng/ul | 95 |
| 16) 4-Methylphenol | 8.40 | 108 | 141861 | 21.029 | ng/ul | 100 |
| 17) Hexachloroethane | 8.71 | 117 | 64930 | 19.213 | ng/ul | 99 |
| 20) Nitrobenzene | 8.82 | 77 | 200029 | 20.328 | ng/ul | 99 |
| 21) Isophorone | 9.35 | 82 | 324456 | 20.780 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.53 | 139 | 77364 | 22.328 | ng/ul | 92 |
| 24) 2,4-Dimethylphenol | 9.60 | 107 | 171548 | 21.706 | ng/ul | 98 |
| 25) Bis(2-Chloroethoxy)methane | 9.83 | 93 | 187703 | 21.219 | ng/ul | 100 |
| 27) 2,4-Dichlorophenol | 10.06 | 162 | 149005 | 22.575 | ng/ul | 96 |
| 28) Naphthalene | 10.46 | 128 | 428380 | 20.267 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.57 | 127 | 165728 | 21.560 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 10.76 | 225 | 114581 | 20.590 | ng/ul | 99 |
| 32) Caprolactam | 11.33 | 113 | 37621 | 20.504 | ng/ul | 83 |
| 33) 4-Chloro-3-methylphenol | 11.70 | 107 | 143542 | 20.580 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.08 | 142 | 324313 | 20.922 | ng/ul | 98 |

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**Instrument :** BNA_M
**ClientSampleId :** SSTD02022

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Quant Title : SVOA CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.30 | 142 | 302184 | 19.802 ng/ul | 97 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.46 | 216 | 204753 | 20.905 ng/ul | 99 |
| 38) Hexachlorocyclopentadiene | 12.45 | 237 | 83198 | 12.882 ng/ul | 98 |
| 39) 2,4,6-Trichlorophenol | 12.70 | 196 | 125106 | 21.731 ng/ul | 92 |
| 40) 2,4,5-Trichlorophenol | 12.77 | 196 | 134183 | 21.900 ng/ul | 94 |
| 41) 1,1'-Biphenyl | 13.10 | 154 | 437038 | 20.205 ng/ul | 99 |
| 42) 2-Chloronaphthalene | 13.14 | 162 | 356703 | 20.340 ng/ul | 99 |
| 43) 2-Nitroaniline | 13.34 | 65 | 104668 | 20.604 ng/ul | 97 |
| 45) Dimethylphthalate | 13.73 | 163 | 428494 | 19.372 ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 13.85 | 165 | 86467 | 20.531 ng/ul | 100 |
| 48) Acenaphthylene | 13.99 | 152 | 517985 | 20.257 ng/ul | 99 |
| 49) 3-Nitroaniline | 14.17 | 138 | 82007 | 21.910 ng/ul | 99 |
| 50) Acenaphthene | 14.34 | 153 | 362278 | 19.990 ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.38 | 184 | 37040 | 16.923 ng/ul | 87 |
| 53) 4-Nitrophenol | 14.49 | 109 | 71137 | 18.750 ng/ul | 96 |
| 54) Dibenzofuran | 14.67 | 168 | 524637 | 20.229 ng/ul | 99 |
| 55) 2,4-Dinitrotoluene | 14.64 | 165 | 124931 | 20.426 ng/ul# | 88 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.90 | 232 | 118337 | 21.430 ng/ul# | 96 |
| 57) Diethylphthalate | 15.11 | 149 | 432719 | 19.503 ng/ul | 99 |
| 59) Fluorene | 15.32 | 166 | 435000 | 20.043 ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.32 | 204 | 234620 | 19.837 ng/ul | 98 |
| 61) 4-Nitroaniline | 15.33 | 138 | 92476 | 21.632 ng/ul | 89 |
| 64) 4,6-Dinitro-2-methylphenol | 15.40 | 198 | 57941 | 17.455 ng/ul | 99 |
| 65) N-Nitrosodiphenylamine | 15.53 | 169 | 367566 | 22.340 ng/ul | 98 |
| 66) 4-Bromophenyl-phenylether | 16.22 | 248 | 144557 | 21.046 ng/ul | 98 |
| 67) Hexachlorobenzene | 16.33 | 284 | 171447 | 21.283 ng/ul | 95 |
| 68) Atrazine | 16.49 | 200 | 132161 | 19.811 ng/ul | 99 |
| 69) Pentachlorophenol | 16.67 | 266 | 94071 | 21.073 ng/ul | 98 |
| 70) Phenanthrene | 17.06 | 178 | 653827 | 19.859 ng/ul | 99 |
| 72) Anthracene | 17.15 | 178 | 684883 | 20.444 ng/ul | 100 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.07 | 216 | 204566 | 23.817 ng/uL | 99 |
| 74) Pentachlorobenzene | 14.60 | 250 | 194957 | 21.761 ng/uL | 97 |
| 75) Carbazole | 17.42 | 167 | 610037 | 21.574 ng/ul | 100 |
| 76) Di-n-butylphthalate | 18.00 | 149 | 716416 | 20.677 ng/ul | 99 |
| 77) Fluoranthene | 19.08 | 202 | 829890 | 20.787 ng/ul | 100 |
| 80) Pyrene | 19.44 | 202 | 860109 | 20.105 ng/ul | 100 |
| 81) Butylbenzylphthalate | 20.36 | 149 | 318043 | 20.226 ng/ul | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.13 | 252 | 275466 | 19.369 ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.20 | 228 | 867469 | 20.445 ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 423925 | 17.846 ng/ul | 98 |
| 85) Chrysene | 21.25 | 228 | 840233 | 20.175 ng/ul | 98 |
| 87) Di-n-octyl phthalate | 22.02 | 149 | 782862 | 18.599 ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.76 | 252 | 879484 | 20.132 ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 22.80 | 252 | 884033 | 20.418 ng/ul | 99 |
| 91) Benzo(a)pyrene | 23.32 | 252 | 784697 | 19.737 ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 25.60 | 276 | 994141 | 19.406 ng/ul | 100 |
| 93) Dibenzo(a,h)anthracene | 25.62 | 278 | 850479 | 19.599 ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 26.27 | 276 | 796160 | 18.815 ng/ul | 99 |

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

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