Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071420\
Data File : BM026757.D
Acq On : 14 Jul 2020 17:47
Operator : JU/CG
Sample : L1955-10
Misc : MDL-WATER-03
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
MDL-WATER-03

**Manual Integrations APPROVED**
mohammad
7/20/2020 11:25:02 AM

Quant Time: Jul 16 16:13:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM063020MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 14 10:31:32 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.31 | 152 | 58261 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.06 | 136 | 226829 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 13.97 | 164 | 135713 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 16.73 | 188 | 282003 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 20.95 | 240 | 296371 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.02 | 264 | 347915 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 2.91 | 96 | 2841 | 1.47 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.52 | 99 | 145434 | 27.25 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.67 | 67 | 103771 | 28.76 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 6.85 | 132 | 115678 | 28.22 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.04 | 113 | 112316 | 26.32 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.45 | 128 | 51628 | 28.78 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.17 | 143 | 57634 | 30.13 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.71 | 165 | 104602 | 27.93 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.22 | 131 | 141073 | 35.77 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.40 | 166 | 324122 | 29.94 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.66 | 160 | 388599 | 29.71 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.24 | 143 | 41840m | 26.78 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 14.98 | 176 | 269676 | 28.45 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.13 | 200 | 45398 | 25.77 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 16.83 | 188 | 413568 | 29.78 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.14 | 212 | 472338 | 30.67 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 22.89 | 264 | 529689 | 28.21 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.94 | 88 | 3763 | 1.793 | ng/uL | 90 |
| 4) Benzaldehyde | 6.48 | 77 | 9846m | 3.475 | ng/ul | |
| 6) Phenol | 6.55 | 94 | 20246 | 3.451 | ng/ul | 92 |
| 8) Bis(2-Chloroethyl)ether | 6.76 | 93 | 16445 | 3.682 | ng/ul | 95 |
| 10) 2-Chlorophenol | 6.88 | 128 | 16256 | 3.597 | ng/ul | 100 |
| 11) 2-Methylphenol | 7.78 | 108 | 14575 | 3.477 | ng/ul | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 7.85 | 45 | 33849 | 3.906 | ng/ul | 98 |
| 14) Acetophenone | 8.14 | 105 | 25032 | 3.462 | ng/ul | 93 |
| 15) N-Nitroso-di-n-propylamine | 8.12 | 70 | 14103 | 3.302 | ng/ul | 88 |
| 16) 4-Methylphenol | 8.11 | 108 | 15784 | 3.388 | ng/ul | 99 |
| 17) Hexachloroethane | 8.35 | 117 | 7020 | 3.505 | ng/ul# | 88 |
| 20) Nitrobenzene | 8.50 | 77 | 22558 | 3.988 | ng/ul | 99 |
| 21) Isophorone | 9.02 | 82 | 33945 | 3.570 | ng/ul | 98 |
| 23) 2-Nitrophenol | 9.20 | 139 | 8109 | 3.664 | ng/ul | 92 |
| 24) 2,4-Dimethylphenol | 9.29 | 107 | 18134 | 3.558 | ng/ul | 95 |
| 25) Bis(2-Chloroethoxy)methane | 9.51 | 93 | 20670 | 3.656 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 9.74 | 162 | 14480 | 3.741 | ng/ul | 95 |
| 28) Naphthalene | 10.11 | 128 | 49542 | 3.690 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.24 | 127 | 18795 | 4.485 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.40 | 225 | 11026 | 3.931 | ng/ul | 97 |
| 32) Caprolactam | 11.07 | 113 | 3076m | 2.878 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.40 | 107 | 14610 | 3.317 | ng/ul# | 92 |
| 34) 2-Methylnaphthalene | 11.74 | 142 | 32973 | 3.506 | ng/ul | 96 |

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Quant Time: Jul 16 16:13:51 2020
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 14 10:31:32 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 11.97 | 142 | 32385 | 3.694 | ng/ul | 95 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.13 | 216 | 18344 | 3.719 | ng/ul# | 93 |
| 38) Hexachlorocyclopentadiene | 12.10 | 237 | 2606 | 1.035 | ng/ul# | 86 |
| 39) 2,4,6-Trichlorophenol | 12.40 | 196 | 9706 | 3.333 | ng/ul | 86 |
| 40) 2,4,5-Trichlorophenol | 12.48 | 196 | 11502 | 3.612 | ng/ul | 92 |
| 41) 1,1'-Biphenyl | 12.79 | 154 | 43791 | 3.728 | ng/ul | 97 |
| 42) 2-Chloronaphthalene | 12.82 | 162 | 34020 | 3.679 | ng/ul | 99 |
| 43) 2-Nitroaniline | 13.06 | 65 | 10108 | 3.252 | ng/ul | 93 |
| 45) Dimethylphthalate | 13.45 | 163 | 43504 | 3.839 | ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 13.57 | 165 | 6861 | 3.133 | ng/ul# | 85 |
| 48) Acenaphthylene | 13.68 | 152 | 52108 | 3.719 | ng/ul | 99 |
| 49) 3-Nitroaniline | 13.92 | 138 | 5571 | 3.060 | ng/ul# | 94 |
| 50) Acenaphthene | 14.04 | 153 | 35456 | 3.581 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.15 | 184 | 2040 | 1.793 | ng/ul | 94 |
| 53) 4-Nitrophenol | 14.25 | 109 | 7114m | 4.424 | ng/ul | |
| 54) Dibenzofuran | 14.38 | 168 | 52609 | 3.745 | ng/ul | 97 |
| 55) 2,4-Dinitrotoluene | 14.38 | 165 | 10731 | 3.295 | ng/ul# | 80 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.62 | 232 | 9966 | 3.635 | ng/ul | 95 |
| 57) Diethylphthalate | 14.84 | 149 | 42770 | 3.756 | ng/ul | 98 |
| 59) Fluorene | 15.04 | 166 | 42173 | 3.674 | ng/ul | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.04 | 204 | 22364 | 3.748 | ng/ul | 96 |
| 61) 4-Nitroaniline | 15.09 | 138 | 5363m | 2.605 | ng/ul | |
| 64) 4,6-Dinitro-2-methylphenol | 15.15 | 198 | 6768 | 3.627 | ng/ul# | 75 |
| 65) N-Nitrosodiphenylamine | 15.26 | 169 | 35326 | 3.746 | ng/ul | 99 |
| 66) 4-Bromophenyl-phenylether | 15.94 | 248 | 13303 | 3.913 | ng/ul | 98 |
| 67) Hexachlorobenzene | 16.04 | 284 | 15350 | 3.962 | ng/ul | 99 |
| 68) Atrazine | 16.24 | 200 | 11928 | 3.883 | ng/ul | 97 |
| 69) Pentachlorophenol | 16.41 | 266 | 5165 | 2.704 | ng/ul# | 90 |
| 70) Phenanthrene | 16.77 | 178 | 67675 | 3.854 | ng/ul | 99 |
| 72) Anthracene | 16.87 | 178 | 66890 | 3.775 | ng/ul | 100 |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.75 | 216 | 18724 | 3.851 | ng/uL | 96 |
| 74) Pentachlorobenzene | 14.30 | 250 | 18577 | 3.989 | ng/uL | 98 |
| 75) Carbazole | 17.15 | 167 | 52067 | 3.670 | ng/ul | 98 |
| 76) Di-n-butylphthalate | 17.74 | 149 | 63649 | 3.708 | ng/ul | 98 |
| 77) Fluoranthene | 18.81 | 202 | 74720 | 4.113 | ng/ul | 97 |
| 80) Pyrene | 19.17 | 202 | 81848 | 3.897 | ng/ul | 97 |
| 81) Butylbenzylphthalate | 20.11 | 149 | 26453 | 3.550 | ng/ul | 96 |
| 82) 3,3'-Dichlorobenzidine | 20.89 | 252 | 16896 | 2.828 | ng/ul | 89 |
| 83) Benzo(a)anthracene | 20.94 | 228 | 83257 | 4.081 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 20.91 | 149 | 40166 | 3.620 | ng/ul | 98 |
| 85) Chrysene | 20.99 | 228 | 77993 | 3.854 | ng/ul | 98 |
| 87) Di-n-octyl phthalate | 21.75 | 149 | 72808 | 3.396 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.42 | 252 | 82073 | 3.473 | ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 22.46 | 252 | 84701 | 3.616 | ng/ul | 98 |
| 91) Benzo(a)pyrene | 22.93 | 252 | 84911 | 4.050 | ng/ul | 97 |
| 92) Indeno(1,2,3-cd)pyrene | 25.02 | 276 | 98642 | 3.605 | ng/ul | 98 |
| 93) Dibenzo(a,h)anthracene | 25.03 | 278 | 80239 | 3.481 | ng/ul | 98 |
| 94) Benzo(g,h,i)perylene | 25.63 | 276 | 83091 | 3.641 | ng/ul | 98 |

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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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