Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121919\
Data File : BM024205.D
Acq On : 20 Dec 2019 16:04
Operator : JU
Sample : K4649-08MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** A5169MSD

**Manual Integrations APPROVED**
mohammad
12/23/2019 11:55:38 AM

Quant Time: Dec 21 01:02:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 21 00:34:28 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.43 | 152 | 275064 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.20 | 136 | 1231326 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.10 | 164 | 805461 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 16.86 | 188 | 1710996 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.07 | 240 | 1667376 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.20 | 264 | 1878276 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 2.99 | 96 | 59179 | 9.50 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.63 | 99 | 541212 | 20.78 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.79 | 67 | 353280 | 22.62 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 6.97 | 132 | 414133 | 22.30 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.16 | 113 | 431979 | 20.29 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.59 | 128 | 201532 | 22.78 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.30 | 143 | 221639 | 22.78 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.84 | 165 | 434657 | 22.98 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.36 | 131 | 566121 | 24.65 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.52 | 166 | 1382060 | 23.20 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.79 | 160 | 1589672 | 22.27 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.34 | 143 | 212474 | 19.87 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.10 | 176 | 1159200 | 22.20 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.25 | 200 | 220913 | 21.16 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 16.96 | 188 | 1776556 | 22.82 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.26 | 212 | 1875945 | 23.62 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.07 | 264 | 2160340 | 23.16 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.03 | 88 | 63082 | 9.146 | ng/uL | 93 |
| 4) Benzaldehyde | 6.59 | 77 | 358641 | 21.301 | ng/ul | 98 |
| 6) Phenol | 6.66 | 94 | 560121 | 20.827 | ng/ul | 100 |
| 8) Bis(2-Chloroethyl)ether | 6.88 | 93 | 448625 | 21.528 | ng/ul | 97 |
| 10) 2-Chlorophenol | 7.00 | 128 | 429958 | 22.569 | ng/ul | 98 |
| 11) 2-Methylphenol | 7.89 | 108 | 406277 | 20.318 | ng/ul | 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 7.97 | 45 | 550605 | 22.941 | ng/ul | 100 |
| 14) Acetophenone | 8.26 | 105 | 688596 | 21.447 | ng/ul | 98 |
| 15) N-Nitroso-di-n-propylamine | 8.25 | 70 | 403598 | 22.755 | ng/ul | 98 |
| 16) 4-Methylphenol | 8.22 | 108 | 458997 | 20.675 | ng/ul | 99 |
| 17) Hexachloroethane | 8.49 | 117 | 181374 | 23.066 | ng/ul | 97 |
| 20) Nitrobenzene | 8.63 | 77 | 551471 | 22.423 | ng/ul | 99 |
| 21) Isophorone | 9.16 | 82 | 1039293 | 22.608 | ng/ul | 100 |
| 23) 2-Nitrophenol | 9.33 | 139 | 245234 | 22.897 | ng/ul | 91 |
| 24) 2,4-Dimethylphenol | 9.41 | 107 | 525764 | 22.757 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 9.64 | 93 | 645539 | 22.605 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 9.87 | 162 | 417079 | 22.533 | ng/ul | 99 |
| 28) Naphthalene | 10.25 | 128 | 1407596 | 21.815 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.38 | 127 | 574573 | 24.783 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.54 | 225 | 258931 | 22.628 | ng/ul | 97 |
| 32) Caprolactam | 11.17 | 113 | 135476m | 19.369 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.52 | 107 | 482133 | 21.707 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 11.88 | 142 | 1043144 | 22.618 | ng/ul | 100 |

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Sample : K4649-08MSD
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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.10 | 142 | 1024394 | 21.761 | ng/ul | 99 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.26 | 216 | 502963 | 23.100 | ng/ul | 98 |
| 38) Hexachlorocyclopentadiene | 12.23 | 237 | 153027 | 15.598 | ng/ul | 96 |
| 39) 2,4,6-Trichlorophenol | 12.52 | 196 | 328292 | 22.798 | ng/ul | 97 |
| 40) 2,4,5-Trichlorophenol | 12.60 | 196 | 352826 | 22.728 | ng/ul | 97 |
| 41) 1,1'-Biphenyl | 12.92 | 154 | 1368457 | 22.761 | ng/ul | 100 |
| 42) 2-Chloronaphthalene | 12.96 | 162 | 1044109 | 22.104 | ng/ul | 99 |
| 43) 2-Nitroaniline | 13.18 | 65 | 318113 | 22.969 | ng/ul | 97 |
| 45) Dimethylphthalate | 13.57 | 163 | 1367424 | 22.090 | ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 13.69 | 165 | 268199 | 21.995 | ng/ul | 97 |
| 48) Acenaphthylene | 13.82 | 152 | 1608827 | 21.233 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.02 | 138 | 260739 | 22.531 | ng/ul | 93 |
| 50) Acenaphthene | 14.16 | 153 | 1138879 | 21.860 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.25 | 184 | 122512 | 17.879 | ng/ul | 96 |
| 53) 4-Nitrophenol | 14.36 | 109 | 173799 | 20.381 | ng/ul | 93 |
| 54) Dibenzofuran | 14.50 | 168 | 1629919 | 22.504 | ng/ul | 99 |
| 55) 2,4-Dinitrotoluene | 14.50 | 165 | 397471 | 21.584 | ng/ul | 88 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.74 | 232 | 321052 | 22.877 | ng/ul | 96 |
| 57) Diethylphthalate | 14.95 | 149 | 1432217 | 22.757 | ng/ul | 100 |
| 59) Fluorene | 15.16 | 166 | 1324381 | 21.653 | ng/ul | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.16 | 204 | 655499 | 22.039 | ng/ul | 96 |
| 61) 4-Nitroaniline | 15.20 | 138 | 254508 | 19.917 | ng/ul | 100 |
| 64) 4,6-Dinitro-2-methylphenol | 15.27 | 198 | 230164 | 20.646 | ng/ul | 99 |
| 65) N-Nitrosodiphenylamine | 15.38 | 169 | 1165001 | 23.418 | ng/ul | 100 |
| 66) 4-Bromophenyl-phenylether | 16.06 | 248 | 425195 | 23.379 | ng/ul | 99 |
| 67) Hexachlorobenzene | 16.16 | 284 | 495732 | 22.261 | ng/ul | 98 |
| 68) Atrazine | 16.34 | 200 | 414649 | 22.422 | ng/ul | 99 |
| 69) Pentachlorophenol | 16.52 | 266 | 243318 | 20.851 | ng/ul | 97 |
| 70) Phenanthrene | 16.90 | 178 | 2097335 | 21.895 | ng/ul | 99 |
| 72) Anthracene | 16.99 | 178 | 2153948 | 22.367 | ng/ul | 100 |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.88 | 216 | 504513 | 23.494 | ng/uL | 98 |
| 74) Pentachlorobenzene | 14.43 | 250 | 548698 | 23.201 | ng/uL | 97 |
| 75) Carbazole | 17.27 | 167 | 1880231 | 22.728 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 17.84 | 149 | 2459076 | 24.786 | ng/ul | 99 |
| 77) Fluoranthene | 18.93 | 202 | 2386558 | 22.859 | ng/ul | 100 |
| 80) Pyrene | 19.29 | 202 | 2462011 | 22.618 | ng/ul | 100 |
| 81) Butylbenzylphthalate | 20.22 | 149 | 1115799 | 26.019 | ng/ul | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.00 | 252 | 853489 | 23.059 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.06 | 228 | 2437555 | 22.945 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.01 | 149 | 1725931 | 27.007 | ng/ul | 100 |
| 85) Chrysene | 21.11 | 228 | 2280224 | 21.898 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 21.86 | 149 | 2866500 | 28.246 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.57 | 252 | 2554051 | 22.726 | ng/ul | 100 |
| 89) Benzo(k)fluoranthene | 22.61 | 252 | 2490720 | 22.587 | ng/ul | 99 |
| 91) Benzo(a)pyrene | 23.11 | 252 | 2422455 | 23.827 | ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 25.30 | 276 | 2914425 | 23.873 | ng/ul | 99 |
| 93) Dibenzo(a,h)anthracene | 25.31 | 278 | 2453792 | 23.974 | ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 25.94 | 276 | 2406487 | 24.143 | ng/ul | 99 |

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|---|---|---|---|---|---|---|

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

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