Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031620\
Data File : BM025598.D
Acq On : 17 Mar 2020 03:06
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD02010

**Manual Integrations APPROVED**
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3/17/2020 3:10:28 PM

Quant Time: Mar 17 03:51:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 17 01:28:03 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.64 | 152 | 192328 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.40 | 136 | 795908 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.27 | 164 | 517982 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.02 | 188 | 1117305 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.20 | 240 | 1142118 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.38 | 264 | 1322880 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.22 | 96 | 35663 | 7.78 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.82 | 99 | 312705 | 20.60 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.98 | 67 | 180158 | 20.79 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.17 | 132 | 258662 | 21.00 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.34 | 113 | 260013 | 20.85 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.78 | 128 | 127601 | 21.57 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.49 | 143 | 136575 | 21.72 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.03 | 165 | 275772 | 21.44 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.54 | 131 | 303710 | 20.34 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.69 | 166 | 816915 | 20.75 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.96 | 160 | 995522 | 21.11 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.47 | 143 | 151245 | 20.18 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.26 | 176 | 715519 | 20.71 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 122556 | 17.98 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.11 | 188 | 1100731 | 21.09 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.41 | 212 | 1192545 | 21.74 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.24 | 264 | 1432688 | 21.15 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.25 | 88 | 36480 | 7.390 | ng/uL | 92 |
| 4) Benzaldehyde | 6.79 | 77 | 120652 | 15.008 | ng/ul | 98 |
| 6) Phenol | 6.85 | 94 | 317955 | 20.059 | ng/ul | 98 |
| 8) Bis(2-Chloroethyl)ether | 7.07 | 93 | 261635 | 20.843 | ng/ul | 99 |
| 10) 2-Chlorophenol | 7.20 | 128 | 269416 | 20.775 | ng/ul | 98 |
| 11) 2-Methylphenol | 8.08 | 108 | 248488 | 20.488 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.17 | 45 | 354006 | 21.136 | ng/ul | 98 |
| 14) Acetophenone | 8.45 | 105 | 396787 | 20.625 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.44 | 70 | 206502 | 21.427 | ng/ul# | 96 |
| 16) 4-Methylphenol | 8.40 | 108 | 272901 | 20.611 | ng/ul | 97 |
| 17) Hexachloroethane | 8.70 | 117 | 112338 | 20.837 | ng/ul | 97 |
| 20) Nitrobenzene | 8.82 | 77 | 308373 | 21.397 | ng/ul | 98 |
| 21) Isophorone | 9.35 | 82 | 565943 | 21.265 | ng/ul | 100 |
| 23) 2-Nitrophenol | 9.53 | 139 | 153954 | 21.797 | ng/ul | 98 |
| 24) 2,4-Dimethylphenol | 9.59 | 107 | 302662 | 21.132 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 9.83 | 93 | 355252 | 20.826 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.06 | 162 | 273164 | 21.408 | ng/ul | 97 |
| 28) Naphthalene | 10.45 | 128 | 909689 | 20.987 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.56 | 127 | 316586 | 20.893 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 10.75 | 225 | 173763 | 20.845 | ng/ul | 99 |
| 32) Caprolactam | 11.32 | 113 | 86013m | 20.385 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.70 | 107 | 290140 | 21.874 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.07 | 142 | 650484 | 21.010 | ng/ul | 99 |

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|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.29 | 142 | 644690 | 20.881 | ng/ul | 99 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.45 | 216 | 334630 | 20.426 | ng/ul | 99 |
| 38) Hexachlorocyclopentadiene | 12.43 | 237 | 199813 | 17.872 | ng/ul | 98 |
| 39) 2,4,6-Trichlorophenol | 12.69 | 196 | 215811 | 20.721 | ng/ul | 98 |
| 40) 2,4,5-Trichlorophenol | 12.76 | 196 | 237091 | 20.913 | ng/ul | 99 |
| 41) 1,1'-Biphenyl | 13.10 | 154 | 855968 | 20.682 | ng/ul | 100 |
| 42) 2-Chloronaphthalene | 13.13 | 162 | 673601 | 20.664 | ng/ul | 99 |
| 43) 2-Nitroaniline | 13.34 | 65 | 178449 | 21.904 | ng/ul | 99 |
| 45) Dimethylphthalate | 13.73 | 163 | 853027 | 20.816 | ng/ul | 100 |
| 46) 2,6-Dinitrotoluene | 13.84 | 165 | 175809 | 21.813 | ng/ul | 96 |
| 48) Acenaphthylene | 13.99 | 152 | 1076391 | 21.072 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.17 | 138 | 141482 | 19.457 | ng/ul | 92 |
| 50) Acenaphthene | 14.33 | 153 | 722522 | 20.807 | ng/ul | 100 |
| 51) 2,4-Dinitrophenol | 14.38 | 184 | 65575 | 13.562 | ng/ul | 93 |
| 53) 4-Nitrophenol | 14.49 | 109 | 117525 | 20.059 | ng/ul | 94 |
| 54) Dibenzofuran | 14.67 | 168 | 1016639 | 20.638 | ng/ul | 99 |
| 55) 2,4-Dinitrotoluene | 14.63 | 165 | 256393 | 21.758 | ng/ul | 98 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.90 | 232 | 194907 | 18.968 | ng/ul | 98 |
| 57) Diethylphthalate | 15.11 | 149 | 860163 | 20.479 | ng/ul | 100 |
| 59) Fluorene | 15.32 | 166 | 864548 | 20.865 | ng/ul | 100 |
| 60) 4-Chlorophenyl-phenylether | 15.32 | 204 | 432726 | 20.404 | ng/ul | 99 |
| 61) 4-Nitroaniline | 15.33 | 138 | 167733 | 19.386 | ng/ul | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 15.40 | 198 | 134194 | 18.001 | ng/ul | 99 |
| 65) N-Nitrosodiphenylamine | 15.53 | 169 | 731994 | 21.201 | ng/ul | 100 |
| 66) 4-Bromophenyl-phenylether | 16.22 | 248 | 285267 | 20.703 | ng/ul | 98 |
| 67) Hexachlorobenzene | 16.33 | 284 | 344822 | 20.382 | ng/ul | 99 |
| 68) Atrazine | 16.49 | 200 | 269052 | 20.662 | ng/ul | 99 |
| 69) Pentachlorophenol | 16.67 | 266 | 120314 | 12.176 | ng/ul | 99 |
| 70) Phenanthrene | 17.06 | 178 | 1369698 | 20.827 | ng/ul | 99 |
| 72) Anthracene | 17.14 | 178 | 1407051 | 20.993 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.06 | 216 | 354317 | 20.695 | ng/uL | 98 |
| 74) Pentachlorobenzene | 14.59 | 250 | 399567 | 20.966 | ng/uL | 99 |
| 75) Carbazole | 17.42 | 167 | 1217607 | 20.787 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 18.00 | 149 | 1464428 | 21.413 | ng/ul | 99 |
| 77) Fluoranthene | 19.07 | 202 | 1601084 | 20.654 | ng/ul | 98 |
| 80) Pyrene | 19.44 | 202 | 1660303 | 21.645 | ng/ul | 99 |
| 81) Butylbenzylphthalate | 20.36 | 149 | 655170 | 22.427 | ng/ul | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.12 | 252 | 461583 | 17.786 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.19 | 228 | 1591713 | 21.139 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.14 | 149 | 1014495 | 22.387 | ng/ul# | 99 |
| 85) Chrysene | 21.24 | 228 | 1553353 | 21.026 | ng/ul | 100 |
| 87) Di-n-octyl phthalate | 22.00 | 149 | 1686475 | 21.276 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.73 | 252 | 1809667 | 21.925 | ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 22.77 | 252 | 1651644 | 20.313 | ng/ul | 99 |
| 91) Benzo(a)pyrene | 23.29 | 252 | 1588978 | 21.154 | ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 25.54 | 276 | 2035391 | 20.518 | ng/ul | 98 |
| 93) Dibenzo(a,h)anthracene | 25.56 | 278 | 1728133 | 20.573 | ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 26.20 | 276 | 1674276 | 20.479 | ng/ul | 99 |

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

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

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