Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121120\
Data File : BG047728.D
Acq On : 12 Dec 2020 00:32
Operator : CG/JU
Sample : L4485-17
Misc : ME-SOIL-03
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MDL-ME-SOIL-03

**Manual Integrations APPROVED**
mohammad
12/14/2020 2:45:06 PM

Quant Time: Dec 12 01:50:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG121120.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 11 23:58:58 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.21 | 152 | 75663 | 20.00 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.04 | 136 | 368425 | 20.00 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.83 | 164 | 275773 | 20.00 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.56 | 188 | 636511 | 20.00 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.84 | 240 | 652230 | 20.00 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.20 | 264 | 698111 | 20.00 | ng/ul | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.53 | 96 | 8007 | 4.66 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.96 | 84 | 111098 | 22.75 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.35 | 99 | 266244 | 41.94 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d | 7.52 | 67 | 154305 | 46.14 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.73 | 132 | 190341 | 39.66 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.90 | 113 | 216950 | 44.94 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.38 | 128 | 104041 | 33.56 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.10 | 143 | 127895 | 36.24 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.64 | 165 | 240532 | 32.27 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.16 | 131 | 279864 | 32.26 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.23 | 166 | 790999 | 34.76 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.53 | 160 | 916076 | 35.20 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.01 | 143 | 108963 | 31.43 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.82 | 176 | 680093 | 32.01 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.92 | 200 | 160588 | 36.86 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.67 | 188 | 1048644 | 33.88 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.94 | 212 | 1142134 | 32.35 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.98 | 264 | 1245486 | 31.79 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.56 | 88 | 2661 | 1.500 | ng/uL | 94 |
| 5) Pyridine | 3.98 | 79 | 15655m | 3.419 | ng/ul | |
| 6) Benzaldehyde | 7.33 | 77 | 19139m | 6.563 | ng/ul | |
| 8) Phenol | 7.37 | 94 | 23940 | 3.838 | ng/ul# | 91 |
| 10) Bis(2-Chloroethyl)ether | 7.61 | 93 | 18988 | 4.377 | ng/ul | 89 |
| 12) 2-Chlorophenol | 7.76 | 128 | 17120 | 3.595 | ng/ul | 96 |
| 13) 2-Methylphenol | 8.63 | 108 | 19649 | 4.141 | ng/ul# | 76 |
| 14) 2,2'-oxybis(1-Chloropropan | 8.73 | 45 | 17299 | 4.285 | ng/ul | 95 |
| 16) Acetophenone | 9.03 | 105 | 33636 | 4.148 | ng/ul | 89 |
| 17) N-Nitroso-di-n-propylamine | 9.02 | 70 | 19524 | 4.385 | ng/ul# | 81 |
| 18) 4-Methylphenol | 8.97 | 108 | 20363 | 3.911 | ng/ul | 80 |
| 19) Hexachloroethane | 9.30 | 117 | 10055 | 4.312 | ng/ul | 89 |
| 22) Nitrobenzene | 9.42 | 77 | 31723 | 3.437 | ng/ul | 96 |
| 23) Isophorone | 9.94 | 82 | 54451 | 3.396 | ng/ul# | 97 |
| 25) 2-Nitrophenol | 10.14 | 139 | 12296 | 3.335 | ng/ul | 85 |
| 26) 2,4-Dimethylphenol | 10.18 | 107 | 26520 | 3.064 | ng/ul | 94 |
| 27) Bis(2-Chloroethoxy)methane | 10.41 | 93 | 26749 | 3.495 | ng/ul# | 93 |
| 29) 2,4-Dichlorophenol | 10.67 | 162 | 20867 | 3.051 | ng/ul# | 75 |
| 30) Naphthalene | 11.08 | 128 | 72026 | 3.538 | ng/ul | 97 |
| 32) 4-Chloroaniline | 11.18 | 127 | 24584 | 2.965 | ng/ul# | 82 |
| 33) Hexachlorobutadiene | 11.37 | 225 | 26244 | 3.574 | ng/ul# | 88 |
| 34) Caprolactam | 12.01 | 113 | 7629m | 3.293 | ng/ul | |

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|---|---|---|---|---|---|---|
| 35) 4-Chloro-3-methylphenol | 12.28 | 107 | 23101 | 3.065 | ng/ul# | 94 |
| 36) 2-Methylnaphthalene | 12.67 | 142 | 57216 | 3.725 | ng/ul | 93 |
| 37) 1-Methylnaphthalene | 12.89 | 142 | 52466 | 3.575 | ng/ul | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.03 | 216 | 41208 | 3.628 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 13.01 | 237 | 24938 | 3.349 | ng/ul# | 92 |
| 41) 2,4,6-Trichlorophenol | 13.26 | 196 | 22795 | 3.347 | ng/ul | 95 |
| 42) 2,4,5-Trichlorophenol | 13.33 | 196 | 23501 | 3.258 | ng/ul | 94 |
| 43) 1,1'-Biphenyl | 13.66 | 154 | 83656 | 3.927 | ng/ul# | 99 |
| 44) 2-Chloronaphthalene | 13.71 | 162 | 65631 | 3.914 | ng/ul | 93 |
| 45) 2-Nitroaniline | 13.90 | 65 | 19796 | 3.437 | ng/ul | 87 |
| 47) Dimethylphthalate | 14.27 | 163 | 77104 | 3.306 | ng/ul | 96 |
| 48) 2,6-Dinitrotoluene | 14.39 | 165 | 16002 | 3.248 | ng/ul# | 86 |
| 50) Acenaphthylene | 14.56 | 152 | 88183 | 3.596 | ng/ul | 96 |
| 51) 3-Nitroaniline | 14.71 | 138 | 13098 | 3.702 | ng/ul# | 92 |
| 52) Acenaphthene | 14.89 | 153 | 67564 | 3.876 | ng/ul | 91 |
| 53) 2,4-Dinitrophenol | 14.93 | 184 | 8059 | 2.757 | ng/ul# | 74 |
| 55) 4-Nitrophenol | 15.02 | 109 | 23542 | 4.005 | ng/ul# | 10 |
| 56) Dibenzofuran | 15.22 | 168 | 98168 | 3.888 | ng/ul | 96 |
| 57) 2,4-Dinitrotoluene | 15.17 | 165 | 20895 | 2.959 | ng/ul | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.44 | 232 | 21444 | 3.210 | ng/ul# | 95 |
| 59) Diethylphthalate | 15.63 | 149 | 73898 | 3.201 | ng/ul | 96 |
| 61) Fluorene | 15.87 | 166 | 82674 | 3.810 | ng/ul# | 92 |
| 62) 4-Chlorophenyl-phenylether | 15.85 | 204 | 51485 | 3.793 | ng/ul | 95 |
| 63) 4-Nitroaniline | 15.87 | 138 | 13180 | 3.963 | ng/ul# | 90 |
| 66) 4,6-Dinitro-2-methylphenol | 15.94 | 198 | 16702 | 3.777 | ng/ul# | 47 |
| 67) N-Nitrosodiphenylamine | 16.07 | 169 | 66219 | 3.739 | ng/ul | 95 |
| 68) 4-Bromophenyl-phenylether | 16.75 | 248 | 32194 | 3.939 | ng/ul | 94 |
| 69) Hexachlorobenzene | 16.87 | 284 | 33877 | 3.776 | ng/ul | 92 |
| 70) Atrazine | 17.00 | 200 | 25598 | 3.034 | ng/ul# | 92 |
| 71) Pentachlorophenol | 17.21 | 266 | 12613 | 2.991 | ng/ul | 91 |
| 72) Phenanthrene | 17.61 | 178 | 125287m | 3.625 | ng/ul | |
| 74) Anthracene | 17.70 | 178 | 131615 | 3.812 | ng/ul | 97 |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.63 | 216 | 34513 | 3.346 | ng/uL | 90 |
| 76) Pentachlorobenzene | 15.14 | 250 | 31461 | 3.126 | ng/uL | 98 |
| 77) Carbazole | 17.96 | 167 | 99157 | 3.523 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.50 | 149 | 105065 | 3.043 | ng/ul | 97 |
| 80) Fluoranthene | 19.60 | 202 | 148772 | 3.328 | ng/ul | 100 |
| 82) Pyrene | 19.96 | 202 | 140816 | 3.191 | ng/ul# | 97 |
| 83) Butylbenzylphthalate | 20.83 | 149 | 44947 | 2.920 | ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 21.72 | 252 | 43949 | 2.737 | ng/ul# | 87 |
| 85) Benzo(a)anthracene | 21.82 | 228 | 149075 | 3.238 | ng/ul | 96 |
| 86) Bis(2-ethylhexyl)phthalate | 21.70 | 149 | 67840 | 3.197 | ng/ul# | 94 |
| 87) Chrysene | 21.89 | 228 | 140875 | 3.225 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.95 | 149 | 115159 | 3.135 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.12 | 252 | 147535m | 3.024 | ng/ul | |
| 91) Benzo(k)fluoranthene | 24.19 | 252 | 142190 | 2.950 | ng/ul | 96 |
| 93) Benzo(a)pyrene | 25.04 | 252 | 135096 | 3.139 | ng/ul | 93 |
| 94) Indeno(1,2,3-cd)pyrene | 29.02 | 276 | 170644m | 3.205 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 29.10 | 278 | 143374 | 3.242 | ng/ul | 97 |
| 96) Benzo(g,h,i)perylene | 30.23 | 276 | 139849 | 3.189 | ng/ul# | 92 |

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

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

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