Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN010821\
Data File : BN013367.D
Acq On : 08 Jan 2021 14:38
Operator : CG/JU
Sample : L4485-03
Misc : MDL-SOIL-03
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** MDL-SOIL-03

Quant Time: Jan 08 15:08:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN010521.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 08 12:05:50 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.60 | 152 | 277413 | 20.00 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.36 | 136 | 1163531 | 20.00 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.23 | 164 | 704738 | 20.00 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 16.97 | 188 | 1457302 | 20.00 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.17 | 240 | 1471417 | 20.00 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.36 | 264 | 1446801 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.20 | 96 | 41796 | 5.74 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.59 | 84 | 462332 | 25.45 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.78 | 99 | 846703 | 36.34 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d | 6.95 | 67 | 518600 | 39.97 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.14 | 132 | 734100 | 36.17 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.30 | 113 | 717536 | 38.13 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.74 | 128 | 343760 | 37.09 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.46 | 143 | 351464 | 36.79 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 9.99 | 165 | 676320 | 35.83 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.50 | 131 | 1003338 | 38.85 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.65 | 166 | 2095973 | 38.46 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.92 | 160 | 2713928 | 40.36 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.43 | 143 | 337978 | 33.95 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.23 | 176 | 1827469 | 38.76 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.34 | 200 | 243553 | 33.96 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.07 | 188 | 2767230 | 39.09 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.37 | 212 | 3008478 | 37.96 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.22 | 264 | 2965980 | 39.26 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.23 | 88 | 6690 | 0.925 | ng/uL# | 96 |
| 5) Pyridine | 3.61 | 79 | 63257 | 3.459 | ng/ul# | 69 |
| 6) Benzaldehyde | 6.75 | 77 | 47191 | 5.395 | ng/ul | 93 |
| 8) Phenol | 6.80 | 94 | 74951 | 3.181 | ng/ul | 98 |
| 10) Bis(2-Chloroethyl)ether | 7.04 | 93 | 66165 | 3.543 | ng/ul | 96 |
| 12) 2-Chlorophenol | 7.17 | 128 | 64170 | 3.103 | ng/ul | 99 |
| 13) 2-Methylphenol | 8.04 | 108 | 51275 | 2.824 | ng/ul | 98 |
| 14) 2,2'-oxybis(1-Chloropropan | 8.13 | 45 | 92223 | 3.524 | ng/ul | 99 |
| 16) Acetophenone | 8.41 | 105 | 89776 | 3.250 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propylamine | 8.40 | 70 | 37966 | 2.770 | ng/ul | 92 |
| 18) 4-Methylphenol | 8.36 | 108 | 60538 | 3.106 | ng/ul | 95 |
| 19) Hexachloroethane | 8.66 | 117 | 25382 | 3.128 | ng/ul | 92 |
| 22) Nitrobenzene | 8.78 | 77 | 71730 | 3.453 | ng/ul | 98 |
| 23) Isophorone | 9.30 | 82 | 97206 | 2.475 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.49 | 139 | 32731 | 3.077 | ng/ul | 96 |
| 26) 2,4-Dimethylphenol | 9.55 | 107 | 65815 | 3.064 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)methane | 9.79 | 93 | 78064 | 3.072 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.01 | 162 | 60252 | 3.243 | ng/ul | 90 |
| 30) Naphthalene | 10.41 | 128 | 227259 | 3.481 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.52 | 127 | 86018 | 3.499 | ng/ul | 97 |
| 33) Hexachlorobutadiene | 10.70 | 225 | 38589 | 3.322 | ng/ul | 96 |
| 34) Caprolactam | 11.30 | 113 | 10951 | 1.911 | ng/ul | 95 |

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|---|---|---|---|---|---|---|
| 35) 4-Chloro-3-methylphenol | 11.65 | 107 | 48313 | 2.428 | ng/ul | 95 |
| 36) 2-Methylnaphthalene | 12.03 | 142 | 148465 | 3.307 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.25 | 142 | 145089 | 3.353 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.40 | 216 | 72515 | 3.419 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.39 | 237 | 36945 | 3.343 | ng/ul | 93 |
| 41) 2,4,6-Trichlorophenol | 12.65 | 196 | 33390 | 2.387 | ng/ul | 95 |
| 42) 2,4,5-Trichlorophenol | 12.71 | 196 | 38122 | 2.561 | ng/ul | 96 |
| 43) 1,1'-Biphenyl | 13.06 | 154 | 197976 | 3.488 | ng/ul | 100 |
| 44) 2-Chloronaphthalene | 13.09 | 162 | 152343 | 3.408 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.30 | 65 | 23172 | 2.034 | ng/ul | 97 |
| 47) Dimethylphthalate | 13.69 | 163 | 185602 | 3.319 | ng/ul | 98 |
| 48) 2,6-Dinitrotoluene | 13.80 | 165 | 24183 | 2.280 | ng/ul | 96 |
| 50) Acenaphthylene | 13.95 | 152 | 229674 | 3.379 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.13 | 138 | 26323 | 2.691 | ng/ul | 99 |
| 52) Acenaphthene | 14.29 | 153 | 161804 | 3.374 | ng/ul | 96 |
| 53) 2,4-Dinitrophenol | 14.33 | 184 | 7687 | 1.617 | ng/ul | 90 |
| 55) 4-Nitrophenol | 14.44 | 109 | 23549 | 3.142 | ng/ul | 89 |
| 56) Dibenzofuran | 14.63 | 168 | 228768 | 3.484 | ng/ul | 97 |
| 57) 2,4-Dinitrotoluene | 14.59 | 165 | 39709 | 2.627 | ng/ul | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.86 | 232 | 30547 | 2.431 | ng/ul | 96 |
| 59) Diethylphthalate | 15.07 | 149 | 161354 | 2.838 | ng/ul | 99 |
| 61) Fluorene | 15.28 | 166 | 188747 | 3.549 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenylether | 15.28 | 204 | 92472 | 3.607 | ng/ul | 97 |
| 63) 4-Nitroaniline | 15.29 | 138 | 26449 | 2.878 | ng/ul | 98 |
| 66) 4,6-Dinitro-2-methylphenol | 15.35 | 198 | 24888 | 3.118 | ng/ul# | 60 |
| 67) N-Nitrosodiphenylamine | 15.50 | 169 | 144707 | 3.151 | ng/ul | 97 |
| 68) 4-Bromophenyl-phenylether | 16.17 | 248 | 51129 | 3.188 | ng/ul | 96 |
| 69) Hexachlorobenzene | 16.28 | 284 | 60572 | 3.331 | ng/ul | 99 |
| 70) Atrazine | 16.45 | 200 | 38391 | 2.448 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.62 | 266 | 20385 | 2.010 | ng/ul | 96 |
| 72) Phenanthrene | 17.02 | 178 | 291758 | 3.451 | ng/ul | 98 |
| 74) Anthracene | 17.10 | 178 | 297302 | 3.445 | ng/ul | 97 |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.02 | 216 | 74198 | 3.513 | ng/uL | 95 |
| 76) Pentachlorobenzene | 14.55 | 250 | 73998 | 3.511 | ng/uL | 98 |
| 77) Carbazole | 17.37 | 167 | 227849 | 3.253 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 17.96 | 149 | 210837 | 2.209 | ng/ul | 99 |
| 80) Fluoranthene | 19.04 | 202 | 309924 | 3.057 | ng/ul | 99 |
| 82) Pyrene | 19.40 | 202 | 360426 | 3.467 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.33 | 149 | 73836 | 1.653 | ng/ul | 96 |
| 84) 3,3'-Dichlorobenzidine | 21.10 | 252 | 59894 | 2.152 | ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.16 | 228 | 314182 | 3.235 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phthalate | 21.12 | 149 | 118250 | 1.787 | ng/ul | 97 |
| 87) Chrysene | 21.21 | 228 | 330133 | 3.471 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 21.99 | 149 | 189788 | 2.109 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 22.70 | 252 | 319951 | 3.468 | ng/ul | 97 |
| 91) Benzo(k)fluoranthene | 22.75 | 252 | 309508 | 3.522 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 23.26 | 252 | 301529 | 3.605 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 25.53 | 276 | 352718 | 3.367 | ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 25.54 | 278 | 304751 | 3.471 | ng/ul | 97 |
| 96) Benzo(g,h,i)perylene | 26.19 | 276 | 299187 | 3.370 | ng/ul | 97 |

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

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