Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030421\
Data File : BN013849.D
Acq On : 05 Mar 2021 00:56
Operator : CG/JU
Sample : M1534-16
Misc : SOM-MDLMES-02
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
MDL-ME-SOIL-02

**Manual Integrations APPROVED**
mohammad
3/5/2021 2:45:00 PM

Quant Time: Mar 05 01:48:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030421MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 05 00:15:11 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.72 | 152 | 159022 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.50 | 136 | 662958 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.36 | 164 | 398091 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.10 | 188 | 813415 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.27 | 240 | 817585 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.50 | 264 | 829434 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.22 | 96 | 16288 | 4.07 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.89 | 99 | 425010 | 33.05 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.06 | 67 | 285239 | 35.93 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.25 | 132 | 342904 | 34.87 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.42 | 113 | 320328 | 32.89 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.87 | 128 | 157778 | 35.56 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.59 | 143 | 153635 | 36.25 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.12 | 165 | 301431 | 32.56 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.63 | 131 | 439212 | 38.31 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.77 | 166 | 935262 | 34.99 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.05 | 160 | 1189173 | 33.64 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.55 | 143 | 152174 | 30.35 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.35 | 176 | 833699 | 35.32 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.46 | 200 | 102758 | 27.18 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.20 | 188 | 1232599 | 34.67 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.49 | 212 | 1382870 | 34.77 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.36 | 264 | 1452860 | 35.18 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.25 | 88 | 3441 | 0.846 | ng/uL# | 86 |
| 4) Benzaldehyde | 6.86 | 77 | 31187 | 4.818 | ng/ul | 98 |
| 6) Phenol | 6.91 | 94 | 46939 | 3.405 | ng/ul | 97 |
| 8) Bis(2-Chloroethyl)ether | 7.15 | 93 | 38352 | 3.558 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.29 | 128 | 37338 | 3.564 | ng/ul | 96 |
| 11) 2-Methylphenol | 8.16 | 108 | 30990 | 3.117 | ng/ul | 96 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.25 | 45 | 58166 | 3.534 | ng/ul | 97 |
| 14) Acetophenone | 8.53 | 105 | 55992 | 3.489 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.52 | 70 | 26021 | 3.268 | ng/ul | 96 |
| 16) 4-Methylphenol | 8.48 | 108 | 36750 | 3.406 | ng/ul | 97 |
| 17) Hexachloroethane | 8.79 | 117 | 15079 | 3.393 | ng/ul | 97 |
| 20) Nitrobenzene | 8.91 | 77 | 43348 | 3.572 | ng/ul | 99 |
| 21) Isophorone | 9.43 | 82 | 63343 | 2.977 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.62 | 139 | 17721 | 3.574 | ng/ul | 95 |
| 24) 2,4-Dimethylphenol | 9.68 | 107 | 38978 | 3.338 | ng/ul | 97 |
| 25) Bis(2-Chloroethoxy)methane | 9.92 | 93 | 47195 | 3.322 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.15 | 162 | 32935 | 3.457 | ng/ul# | 86 |
| 28) Naphthalene | 10.55 | 128 | 123851 | 3.604 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.66 | 127 | 48915 | 4.107 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 10.84 | 225 | 21002 | 3.462 | ng/ul | 96 |
| 32) Caprolactam | 11.43 | 113 | 5912m | 2.050 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.78 | 107 | 27256 | 2.807 | ng/ul | 97 |
| 34) 2-Methylnaphthalene | 12.17 | 142 | 82092 | 3.496 | ng/ul | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.39 | 142 | 79651 | 3.520 ng/ul | 98 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.54 | 216 | 40874 | 3.410 ng/ul | 98 |
| 38) Hexachlorocyclopentadiene | 12.52 | 237 | 20490 | 2.871 ng/ul | 96 |
| 39) 2,4,6-Trichlorophenol | 12.78 | 196 | 18273 | 2.642 ng/ul | 96 |
| 40) 2,4,5-Trichlorophenol | 12.85 | 196 | 21725 | 2.863 ng/ul | 92 |
| 41) 1,1'-Biphenyl | 13.19 | 154 | 104669 | 3.497 ng/ul | 99 |
| 42) 2-Chloronaphthalene | 13.23 | 162 | 82227 | 3.514 ng/ul | 97 |
| 43) 2-Nitroaniline | 13.43 | 65 | 15557 | 2.564 ng/ul | 97 |
| 45) Dimethylphthalate | 13.82 | 163 | 97883 | 3.539 ng/ul | 98 |
| 46) 2,6-Dinitrotoluene | 13.93 | 165 | 12973 | 2.617 ng/ul | 91 |
| 48) Acenaphthylene | 14.07 | 152 | 122121 | 3.563 ng/ul | 98 |
| 49) 3-Nitroaniline | 14.26 | 138 | 14954 | 2.774 ng/ul# | 93 |
| 50) Acenaphthene | 14.42 | 153 | 88283 | 3.531 ng/ul | 98 |
| 51) 2,4-Dinitrophenol | 14.46 | 184 | 4620 | 1.771 ng/ul# | 84 |
| 53) 4-Nitrophenol | 14.56 | 109 | 13563 | 3.358 ng/ul | 91 |
| 54) Dibenzofuran | 14.76 | 168 | 120965 | 3.510 ng/ul | 95 |
| 55) 2,4-Dinitrotoluene | 14.72 | 165 | 20720 | 2.926 ng/ul | 94 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.98 | 232 | 16735 | 2.857 ng/ul# | 98 |
| 57) Diethylphthalate | 15.19 | 149 | 89251 | 3.229 ng/ul | 99 |
| 59) Fluorene | 15.40 | 166 | 98566 | 3.514 ng/ul | 96 |
| 60) 4-Chlorophenyl-phenylether | 15.40 | 204 | 48079 | 3.573 ng/ul | 97 |
| 61) 4-Nitroaniline | 15.42 | 138 | 16400 | 2.656 ng/ul | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 15.47 | 198 | 12003 | 3.014 ng/ul# | 71 |
| 65) N-Nitrosodiphenylamine | 15.62 | 169 | 81282 | 3.470 ng/ul | 98 |
| 66) 4-Bromophenyl-phenylether | 16.30 | 248 | 26662 | 3.422 ng/ul | 94 |
| 67) Hexachlorobenzene | 16.40 | 284 | 32478 | 3.490 ng/ul | 100 |
| 68) Atrazine | 16.56 | 200 | 21098 | 2.606 ng/ul | 92 |
| 69) Pentachlorophenol | 16.75 | 266 | 10003 | 2.040 ng/ul | 95 |
| 70) Phenanthrene | 17.14 | 178 | 154407 | 3.504 ng/ul | 98 |
| 72) Anthracene | 17.23 | 178 | 158814 | 3.545 ng/ul | 98 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.15 | 216 | 42257 | 3.548 ng/uL | 99 |
| 74) Pentachlorobenzene | 14.67 | 250 | 36878 | 3.286 ng/uL | 98 |
| 75) Carbazole | 17.50 | 167 | 126680 | 3.169 ng/ul | 99 |
| 76) Di-n-butylphthalate | 18.07 | 149 | 119482 | 2.672 ng/ul | 100 |
| 77) Fluoranthene | 19.16 | 202 | 161213 | 3.308 ng/ul | 97 |
| 80) Pyrene | 19.52 | 202 | 184924 | 3.513 ng/ul | 99 |
| 81) Butylbenzylphthalate | 20.43 | 149 | 39690 | 2.190 ng/ul | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.20 | 252 | 38685 | 2.521 ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.26 | 228 | 171043 | 3.399 ng/ul | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 72310 | 2.384 ng/ul | 98 |
| 85) Chrysene | 21.31 | 228 | 172679 | 3.525 ng/ul | 97 |
| 87) Di-n-octyl phthalate | 22.08 | 149 | 101483 | 1.958 ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.83 | 252 | 167159 | 3.317 ng/ul | 95 |
| 89) Benzo(k)fluoranthene | 22.88 | 252 | 167302 | 3.309 ng/ul | 97 |
| 91) Benzo(a)pyrene | 23.41 | 252 | 161590 | 3.538 ng/ul | 97 |
| 92) Indeno(1,2,3-cd)pyrene | 25.74 | 276 | 185134 | 3.244 ng/ul | 99 |
| 93) Dibenzo(a,h)anthracene | 25.76 | 278 | 151763 | 3.118 ng/ul | 100 |
| 94) Benzo(g,h,i)perylene | 26.42 | 276 | 152726 | 3.186 ng/ul | 96 |

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

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

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