Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011421\
Data File : BG047917.D
Acq On : 14 Jan 2021 13:53
Operator : CG/JU
Sample : L5214-03
Misc : PBBL-SFAM-MDL-S-01
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 14 14:35:24 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG011321.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 13 15:41:08 2021
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
MDL-SOIL-QT1-2021-01

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.16 | 152 | 96291 | 20.00 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.97 | 136 | 377349 | 20.00 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.77 | 164 | 259705 | 20.00 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.52 | 188 | 642474 | 20.00 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.80 | 240 | 714074 | 20.00 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.11 | 264 | 666939 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.57 | 96 | 8676 | 3.16 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.98 | 84 | 160798 | 22.02 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.29 | 99 | 330789 | 39.86 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d | 7.47 | 67 | 220674 | 41.83 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.68 | 132 | 254275 | 40.12 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.84 | 113 | 270513 | 41.26 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.31 | 128 | 115008 | 48.77 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.04 | 143 | 121997 | 48.89 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.58 | 165 | 271051 | 40.37 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.09 | 131 | 351748 | 39.26 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.18 | 166 | 871785 | 40.71 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.47 | 160 | 1036134 | 40.92 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.94 | 143 | 133753 | 42.42 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.77 | 176 | 751068 | 39.30 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.86 | 200 | 115758 | 40.21 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.62 | 188 | 1193490 | 38.77 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.90 | 212 | 1424049 | 36.65 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.89 | 264 | 1423901 | 38.53 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.60 | 88 | 2748 | 0.957 | ng/uL# | 77 |
| 5) Pyridine | 4.00 | 79 | 27821 | 3.759 | ng/ul# | 55 |
| 6) Benzaldehyde | 7.29 | 77 | 22223 | 5.919 | ng/ul | 96 |
| 8) Phenol | 7.32 | 94 | 31276 | 3.731 | ng/ul | 95 |
| 10) Bis(2-Chloroethyl)ether | 7.57 | 93 | 26182 | 4.049 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.72 | 128 | 23731 | 3.794 | ng/ul | 96 |
| 13) 2-Methylphenol | 8.58 | 108 | 23238 | 3.605 | ng/ul | 81 |
| 14) 2,2'-oxybis(1-Chloropropan | 8.67 | 45 | 38043 | 3.914 | ng/ul | 96 |
| 16) Acetophenone | 8.98 | 105 | 41040 | 4.071 | ng/ul | 94 |
| 17) N-Nitroso-di-n-propylamine | 8.96 | 70 | 22130 | 3.764 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.91 | 108 | 24620 | 3.679 | ng/ul | 81 |
| 19) Hexachloroethane | 9.25 | 117 | 10347 | 3.733 | ng/ul | 94 |
| 22) Nitrobenzene | 9.35 | 77 | 31587 | 4.465 | ng/ul | 97 |
| 23) Isophorone | 9.88 | 82 | 64558 | 3.899 | ng/ul | 94 |
| 25) 2-Nitrophenol | 10.07 | 139 | 12606 | 4.493 | ng/ul# | 86 |
| 26) 2,4-Dimethylphenol | 10.12 | 107 | 31115 | 3.990 | ng/ul | 94 |
| 27) Bis(2-Chloroethoxy)methane | 10.37 | 93 | 33304 | 3.765 | ng/ul | 94 |
| 29) 2,4-Dichlorophenol | 10.60 | 162 | 23725 | 3.864 | ng/ul | 95 |
| 30) Naphthalene | 11.02 | 128 | 76137 | 3.756 | ng/ul | 98 |
| 32) 4-Chloroaniline | 11.12 | 127 | 31706 | 3.868 | ng/ul# | 85 |
| 33) Hexachlorobutadiene | 11.31 | 225 | 20352 | 3.659 | ng/ul | 96 |
| 34) Caprolactam | 11.90 | 113 | 8556m | 3.761 | ng/ul | |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 4-Chloro-3-methylphenol | 12.22 | 107 | 25804 | 3.716 | ng/ul | 90 |
| 36) 2-Methylnaphthalene | 12.62 | 142 | 61447 | 4.059 | ng/ul | 96 |
| 37) 1-Methylnaphthalene | 12.83 | 142 | 59522 | 4.114 | ng/ul# | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.97 | 216 | 38419 | 3.899 | ng/ul | 94 |
| 40) Hexachlorocyclopentadiene | 12.96 | 237 | 20633 | 3.450 | ng/ul# | 81 |
| 41) 2,4,6-Trichlorophenol | 13.20 | 196 | 21610 | 3.722 | ng/ul | 92 |
| 42) 2,4,5-Trichlorophenol | 13.27 | 196 | 24126 | 3.930 | ng/ul | 98 |
| 43) 1,1'-Biphenyl | 13.61 | 154 | 82375 | 4.055 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.66 | 162 | 62715 | 3.966 | ng/ul | 95 |
| 45) 2-Nitroaniline | 13.84 | 65 | 14861 | 3.991 | ng/ul | 98 |
| 47) Dimethylphthalate | 14.22 | 163 | 85977 | 3.930 | ng/ul | 98 |
| 48) 2,6-Dinitrotoluene | 14.34 | 165 | 12760 | 3.902 | ng/ul | 95 |
| 50) Acenaphthylene | 14.50 | 152 | 90272 | 3.714 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.67 | 138 | 13110 | 4.566 | ng/ul# | 75 |
| 52) Acenaphthene | 14.84 | 153 | 70023 | 3.960 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.87 | 184 | 6722 | 3.301 | ng/ul | 92 |
| 55) 4-Nitrophenol | 14.95 | 109 | 13588 | 4.065 | ng/ul | 90 |
| 56) Dibenzofuran | 15.17 | 168 | 94981 | 3.970 | ng/ul | 96 |
| 57) 2,4-Dinitrotoluene | 15.12 | 165 | 18731 | 4.130 | ng/ul# | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.39 | 232 | 21489 | 3.833 | ng/ul | 97 |
| 59) Diethylphthalate | 15.58 | 149 | 84889 | 3.893 | ng/ul | 98 |
| 61) Fluorene | 15.82 | 166 | 78164 | 3.853 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenylether | 15.81 | 204 | 42429 | 3.644 | ng/ul | 97 |
| 63) 4-Nitroaniline | 15.82 | 138 | 14067 | 4.828 | ng/ul# | 88 |
| 66) 4,6-Dinitro-2-methylphenol | 15.88 | 198 | 12570 | 3.944 | ng/ul# | 59 |
| 67) N-Nitrosodiphenylamine | 16.02 | 169 | 72384 | 3.890 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.71 | 248 | 29835 | 3.768 | ng/ul | 95 |
| 69) Hexachlorobenzene | 16.82 | 284 | 31850 | 3.934 | ng/ul | 92 |
| 70) Atrazine | 16.96 | 200 | 30205 | 3.862 | ng/ul | 91 |
| 71) Pentachlorophenol | 17.16 | 266 | 17075 | 3.467 | ng/ul | 90 |
| 72) Phenanthrene | 17.56 | 178 | 135852 | 3.905 | ng/ul | 98 |
| 74) Anthracene | 17.65 | 178 | 136456 | 3.923 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.58 | 216 | 40799 | 4.031 | ng/uL | 96 |
| 76) Pentachlorobenzene | 15.09 | 250 | 36676 | 3.719 | ng/uL | 93 |
| 77) Carbazole | 17.91 | 167 | 120994 | 4.223 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.47 | 149 | 148772 | 3.952 | ng/ul | 99 |
| 80) Fluoranthene | 19.56 | 202 | 183197 | 3.734 | ng/ul | 98 |
| 82) Pyrene | 19.92 | 202 | 179907 | 3.732 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.81 | 149 | 60406 | 3.562 | ng/ul | 97 |
| 84) 3,3'-Dichlorobenzidine | 21.69 | 252 | 62570 | 3.773 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.78 | 228 | 200678 | 4.018 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phthalate | 21.69 | 149 | 91226 | 3.625 | ng/ul# | 93 |
| 87) Chrysene | 21.85 | 228 | 189853 | 3.954 | ng/ul | 97 |
| 89) Di-n-octyl phthalate | 22.95 | 149 | 149201 | 3.939 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.06 | 252 | 185298 | 4.029 | ng/ul | 97 |
| 91) Benzo(k)fluoranthene | 24.13 | 252 | 184588 | 4.093 | ng/ul# | 97 |
| 93) Benzo(a)pyrene | 24.96 | 252 | 155666 | 3.754 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 28.88 | 276 | 205173m | 4.007 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 28.96 | 278 | 164632 | 3.939 | ng/ul | 96 |
| 96) Benzo(g,h,i)perylene | 30.05 | 276 | 165758m | 3.934 | ng/ul | |

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

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