Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072919\
Data File : BG041787.D
Acq On : 29 Jul 2019 13:36
Operator : HP/JU
Sample : K3591-01
Misc : LOD-SOIL-5PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Manual Integrations APPROVED
mohammad
7/30/2019 4:52:24 PM

Quant Time: Jul 30 07:45:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 12:47:21 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.07 | 152 | 89531 | 20.00 | ng | | 0.02 |
| 21) Naphthalene-d8 | 10.89 | 136 | 385114 | 20.00 | ng | | 0.02 |
| 39) Acenaphthene-d10 | 14.72 | 164 | 285710 | 20.00 | ng | | 0.01 |
| 64) Phenanthrene-d10 | 17.46 | 188 | 645774 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.74 | 240 | 674819 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.02 | 264 | 754207 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 591573 | 128.56 | ng | | 0.02 |
| 7) Phenol-d6 | 7.22 | 99 | 780301 | 125.78 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 9.23 | 82 | 480030 | 85.78 | ng | | 0.02 |
| 42) 2,4,6-Tribromophenol | 16.20 | 330 | 423237 | 130.42 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 13.34 | 172 | 1347997 | 83.21 | ng | | 0.01 |
| 79) Terphenyl-d14 | 20.07 | 244 | 2150364 | 72.92 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.48 | 88 | 12619 | 5.826 | ng | | 89 |
| 3) Pyridine | 3.90 | 79 | 25019 | 4.212 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.80 | 42 | 10236 | 4.347 | ng | # | 97 |
| 6) Aniline | 7.38 | 93 | 42749 | 4.894 | ng | | 97 |
| 8) 2-Chlorophenol | 7.62 | 128 | 26778 | 5.082 | ng | | 98 |
| 9) Benzaldehyde | 7.19 | 77 | 26027 | 5.962 | ng | | 99 |
| 10) Phenol | 7.24 | 94 | 32735 | 5.072 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.48 | 93 | 26630 | 5.019 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 7.96 | 146 | 32866 | 4.779 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.11 | 146 | 34582 | 5.025 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 8.42 | 146 | 30814 | 4.693 | ng | | 96 |
| 15) Benzyl Alcohol | 8.30 | 79 | 22702 | 4.651 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.59 | 45 | 44271 | 4.690 | ng | | 94 |
| 17) 2-Methylphenol | 8.51 | 107 | 22255 | 4.741 | ng | | 94 |
| 18) Hexachloroethane | 9.16 | 117 | 11601 | 4.923 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.88 | 70 | 21503 | 4.774 | ng | # | 89 |
| 20) 3+4-Methylphenols | 8.83 | 107 | 30694 | 4.779 | ng | | 97 |
| 22) Acetophenone | 8.89 | 105 | 42776 | 4.966 | ng | # | 91 |
| 24) Nitrobenzene | 9.27 | 77 | 30975 | 5.254 | ng | | 92 |
| 25) Isophorone | 9.80 | 82 | 60120 | 4.938 | ng | | 98 |
| 26) 2-Nitrophenol | 9.99 | 139 | 13158 | 4.809 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 10.04 | 122 | 26475 | 5.482 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 10.29 | 93 | 37335 | 4.908 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.53 | 162 | 27378 | 4.655 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.75 | 180 | 35126 | 4.710 | ng | # | 93 |
| 31) Naphthalene | 10.94 | 128 | 90236 | 5.120 | ng | | 95 |
| 32) Benzoic acid | 10.14 | 122 | 2939m | 9.425 | ng | | |
| 33) 4-Chloroaniline | 11.04 | 127 | 39493 | 4.725 | ng | | 94 |
| 34) Hexachlorobutadiene | 11.24 | 225 | 23298 | 4.629 | ng | | 99 |
| 35) Caprolactam | 11.78 | 113 | 9517 | 4.656 | ng | # | 81 |
| 36) 4-Chloro-3-methylphenol | 12.15 | 107 | 28264 | 4.848 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.55 | 142 | 73061 | 5.237 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.76 | 142 | 69859 | 5.284 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.91 | 216 | 45601 | 5.042 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.90 | 237 | 22606 | 4.446 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 13.15 | 196 | 24958 | 4.366 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.22 | 196 | 27493 | 4.628 | ng | # | 94 |
| 46) 1,1'-Biphenyl | 13.55 | 154 | 95323 | 5.190 | ng | | 96 |
| 47) 2-Chloronaphthalene | 13.59 | 162 | 78380 | 5.013 | ng | | 94 |
| 48) 2-Nitroaniline | 13.78 | 65 | 15983 | 4.030 | ng | | 95 |
| 49) Acenaphthylene | 14.43 | 152 | 125908 | 5.383 | ng | | 96 |
| 50) Dimethylphthalate | 14.16 | 163 | 102695 | 5.263 | ng | | 97 |
| 51) 2,6-Dinitrotoluene | 14.27 | 165 | 20473 | 5.018 | ng | # | 87 |
| 52) Acenaphthene | 14.78 | 154 | 75537 | 4.965 | ng | | 97 |
| 53) 3-Nitroaniline | 14.60 | 138 | 19610 | 4.493 | ng | # | 89 |
| 54) 2,4-Dinitrophenol | 14.81 | 184 | 4227 | 5.627 | ng | # | 89 |
| 55) Dibenzofuran | 15.11 | 168 | 130452 | 5.606 | ng | # | 88 |
| 56) 4-Nitrophenol | 14.90 | 139 | 12845 | 3.877 | ng | # | 82 |
| 57) 2,4-Dinitrotoluene | 15.06 | 165 | 24388 | 4.346 | ng | | 96 |
| 58) Fluorene | 15.76 | 166 | 102590 | 5.494 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.33 | 232 | 26781 | 4.552 | ng | # | 96 |
| 60) Diethylphthalate | 15.53 | 149 | 102320 | 5.341 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.76 | 204 | 59063 | 5.181 | ng | | 96 |
| 62) 4-Nitroaniline | 15.76 | 138 | 22156 | 4.686 | ng | | 89 |
| 63) Azobenzene | 16.04 | 77 | 82515 | 5.273 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylphenol | 15.83 | 198 | 11411 | 9.947 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 15.96 | 169 | 93538 | 5.318 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.65 | 248 | 38074 | 4.786 | ng | | 97 |
| 68) Hexachlorobenzene | 16.77 | 284 | 39448 | 4.740 | ng | | 92 |
| 69) Atrazine | 16.91 | 200 | 33119 | 4.792 | ng | | 97 |
| 70) Pentachlorophenol | 17.11 | 266 | 17074 | 3.612 | ng | | 91 |
| 71) Phenanthrene | 17.51 | 178 | 174940 | 5.652 | ng | # | 91 |
| 72) Anthracene | 17.59 | 178 | 176057 | 5.703 | ng | # | 89 |
| 73) Carbazole | 17.86 | 167 | 152069 | 5.488 | ng | # | 93 |
| 74) Di-n-butylphthalate | 18.43 | 149 | 166960 | 5.315 | ng | # | 91 |
| 75) Fluoranthene | 19.52 | 202 | 217133 | 5.771 | ng | | 87 |
| 77) Benzidine | 19.69 | 184 | 96878 | 4.398 | ng | | 97 |
| 78) Pyrene | 19.87 | 202 | 228472 | 5.714 | ng | # | 89 |
| 80) Butylbenzylphthalate | 20.76 | 149 | 69345 | 4.524 | ng | | 89 |
| 81) Benzo(a)anthracene | 21.72 | 228 | 216295m | 5.417 | ng | | |
| 82) 3,3'-Dichlorobenzidine | 21.64 | 252 | 78271 | 4.883 | ng | # | 97 |
| 83) Chrysene | 21.79 | 228 | 210021 | 5.488 | ng | | 90 |
| 84) Bis(2-ethylhexyl)phthalate | 21.64 | 149 | 104155 | 4.926 | ng | | 95 |
| 85) Di-n-octyl phthalate | 22.88 | 149 | 167668 | 4.712 | ng | # | 89 |
| 86) Indeno(1,2,3-cd)pyrene | 28.76 | 276 | 234882 | 4.636 | ng | # | 89 |
| 88) Benzo(b)fluoranthene | 23.98 | 252 | 208301 | 5.049 | ng | # | 94 |
| 89) Benzo(k)fluoranthene | 24.05 | 252 | 220556 | 5.488 | ng | # | 92 |
| 90) Benzo(a)pyrene | 24.87 | 252 | 206912 | 5.229 | ng | # | 94 |
| 91) Dibenzo(a,h)anthracene | 28.84 | 278 | 193413 | 4.978 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 29.93 | 276 | 192226 | 4.952 | ng | # | 90 |

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

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