Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100418\
Data File : BG037137.D
Acq On : 3 Oct 2018 17:23
Operator : JU/SJ
Sample : J5212-05MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
CG-SOIL-2MS

**Manual Integrations APPROVED**
Sohil
10/4/2018 12:59:18 PM

Quant Time: Oct 03 18:11:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 24 10:41:23 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.04 | 152 | 62077 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.84 | 136 | 247898 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 14.66 | 164 | 149856 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.41 | 188 | 356281 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.68 | 240 | 352352 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 24.88 | 264 | 359985 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 466383 | 144.08 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 627733 | 125.34 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.20 | 82 | 423557 | 91.50 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.15 | 330 | 232792 | 129.84 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 13.29 | 172 | 851568 | 84.64 | ng | | -0.01 |
| 78) Terphenyl-d14 | 20.01 | 244 | 1245148 | 92.92 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 65281 | 44.074 | ng | | 96 |
| 3) Pyridine | 3.92 | 79 | 175264 | 40.981 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.85 | 42 | 99776 | 52.491 | ng | # | 99 |
| 6) Aniline | 7.37 | 93 | 188186 | 28.959 | ng | | 98 |
| 8) 2-Chlorophenol | 7.61 | 128 | 186128 | 49.523 | ng | | 95 |
| 9) Benzaldehyde | 7.18 | 77 | 95708 | 28.921 | ng | | 97 |
| 10) Phenol | 7.24 | 94 | 261832 | 50.658 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.46 | 93 | 194801 | 40.745 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.93 | 146 | 188329 | 40.872 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 195974 | 41.560 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.39 | 146 | 183981 | 40.262 | ng | | 96 |
| 15) Benzyl Alcohol | 8.28 | 79 | 171300 | 42.155 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.56 | 45 | 392492 | 42.761 | ng | | 97 |
| 17) 2-Methylphenol | 8.48 | 107 | 166895 | 46.356 | ng | | 98 |
| 18) Hexachloroethane | 9.12 | 117 | 76157 | 43.888 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.85 | 70 | 162503 | 39.006 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.81 | 107 | 229478 | 45.817 | ng | | 97 |
| 22) Acetophenone | 8.86 | 105 | 283506 | 48.666 | ng | # | 97 |
| 24) Nitrobenzene | 9.24 | 77 | 241616 | 48.875 | ng | | 100 |
| 25) Isophorone | 9.76 | 82 | 450531 | 53.263 | ng | | 99 |
| 26) 2-Nitrophenol | 9.96 | 139 | 105968 | 53.778 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 10.01 | 122 | 175354 | 57.129 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.24 | 93 | 266733 | 51.105 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.49 | 162 | 189544 | 53.270 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.70 | 180 | 198347 | 44.544 | ng | | 98 |
| 31) Naphthalene | 10.89 | 128 | 578216 | 49.021 | ng | | 99 |
| 32) Benzoic acid | 10.01 | 122 | 175354 | 71.345 | ng | # | 14 |
| 33) 4-Chloroaniline | 11.00 | 127 | 97911 | 18.257 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.17 | 225 | 134318 | 43.619 | ng | | 96 |
| 35) Caprolactam | 11.78 | 113 | 63783m | 43.553 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 202988 | 47.812 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.49 | 142 | 431110 | 47.990 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 234614 | 44.888 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 12.83 | 237 | 279884 | 104.119 | ng | | 99 |

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|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.10 | 196 | 148268 | 51.084 | ng | 97 |
| 43) 2,4,5-Trichlorophenol | 13.18 | 196 | 165702 | 53.541 | ng | 97 |
| 45) 1,1'-Biphenyl | 13.50 | 154 | 550958 | 48.006 | ng | 98 |
| 46) 2-Chloronaphthalene | 13.55 | 162 | 420809 | 46.624 | ng | 100 |
| 47) 2-Nitroaniline | 13.75 | 65 | 158345 | 50.722 | ng | 96 |
| 48) Acenaphthylene | 14.39 | 152 | 704656 | 49.823 | ng | 99 |
| 49) Dimethylphthalate | 14.12 | 163 | 901065 | 74.700 | ng | 98 |
| 50) 2,6-Dinitrotoluene | 14.24 | 165 | 123626 | 46.974 | ng | 99 |
| 51) Acenaphthene | 14.73 | 154 | 399698 | 46.760 | ng | 99 |
| 52) 3-Nitroaniline | 14.57 | 138 | 78802 | 28.415 | ng | 97 |
| 53) 2,4-Dinitrophenol | 14.78 | 184 | 49247 | 43.760 | ng | 92 |
| 54) Dibenzofuran | 15.06 | 168 | 655384 | 45.329 | ng | 98 |
| 55) 4-Nitrophenol | 14.89 | 139 | 176196 | 99.452 | ng | 99 |
| 56) 2,4-Dinitrotoluene | 15.03 | 165 | 177680 | 48.383 | ng | 94 |
| 57) Fluorene | 15.71 | 166 | 523555 | 48.448 | ng | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 154730 | 49.284 | ng | 97 |
| 59) Diethylphthalate | 15.48 | 149 | 545453 | 44.834 | ng | 100 |
| 60) 4-Chlorophenyl-phenylether | 15.70 | 204 | 290119 | 42.392 | ng | 99 |
| 61) 4-Nitroaniline | 15.74 | 138 | 133881 | 45.895 | ng | 95 |
| 62) Azobenzene | 16.00 | 77 | 565765 | 48.398 | ng | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 15.79 | 198 | 91692 | 49.226 | ng | 95 |
| 65) n-Nitrosodiphenylamine | 15.92 | 169 | 472687 | 48.057 | ng | 98 |
| 66) 4-Bromophenyl-phenylether | 16.59 | 248 | 182360 | 44.999 | ng | 98 |
| 67) Hexachlorobenzene | 16.72 | 284 | 183849 | 44.048 | ng | 98 |
| 68) Atrazine | 16.87 | 200 | 197638 | 49.625 | ng | 98 |
| 69) Pentachlorophenol | 17.06 | 266 | 209881 | 79.869 | ng | 98 |
| 70) Phenanthrene | 17.45 | 178 | 843340 | 49.120 | ng | 99 |
| 71) Anthracene | 17.54 | 178 | 860963 | 50.714 | ng | 99 |
| 72) Carbazole | 17.81 | 167 | 774732 | 46.805 | ng | 100 |
| 73) Di-n-butylphthalate | 18.36 | 149 | 895467 | 48.714 | ng | 99 |
| 74) Fluoranthene | 19.46 | 202 | 1010919 | 48.915 | ng | 99 |
| 76) Benzidine | 19.64 | 184 | 320471 | 30.087 | ng | 99 |
| 77) Pyrene | 19.82 | 202 | 994330 | 47.026 | ng | 99 |
| 79) Butylbenzylphthalate | 20.70 | 149 | 417281 | 49.512 | ng | 96 |
| 80) Benzo(a)anthracene | 21.66 | 228 | 991960 | 48.227 | ng | 100 |
| 81) 3,3'-Dichlorobenzidine | 21.57 | 252 | 217267 | 27.751 | ng | 96 |
| 82) Chrysene | 21.72 | 228 | 931887 | 46.892 | ng | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.55 | 149 | 585657 | 49.743 | ng | 99 |
| 84) Di-n-octyl phthalate | 22.76 | 149 | 995912 | 51.376 | ng | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 28.53 | 276 | 1099856 | 51.538 | ng | 98 |
| 87) Benzo(b)fluoranthene | 23.86 | 252 | 966636 | 50.386 | ng | 97 |
| 88) Benzo(k)fluoranthene | 23.93 | 252 | 949291 | 49.321 | ng | 99 |
| 89) Benzo(a)pyrene | 24.73 | 252 | 959392 | 51.727 | ng | 100 |
| 90) Dibenzo(a,h)anthracene | 28.59 | 278 | 891095 | 51.264 | ng | 96 |
| 91) Benzo(g,h,i)perylene | 29.66 | 276 | 915885 | 52.500 | ng | 97 |

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

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