Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062215\
Data File : BG017747.D
Acq On : 22 Jun 2015 16:17
Operator : TP/IZ
Sample : G2653-03
Misc : LOD-SVOC-SOIL-1PPM
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** LOD-SOIL2015-01

Quant Time: Jun 23 03:47:45 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG061815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 19 06:05:07 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.61 | 152 | 74439 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.39 | 136 | 325202 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 14.26 | 164 | 195018 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.01 | 188 | 442569 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 21.21 | 240 | 471383 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 23.44 | 264 | 434124 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.22 | 112 | 514219 | 121.23 | ng | | 0.00 |
| 7) Phenol-d6 | 6.79 | 99 | 688757 | 115.53 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 8.76 | 82 | 422652 | 74.76 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 15.76 | 330 | 190123 | 105.14 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 12.88 | 172 | 845072 | 70.38 | ng | | -0.02 |
| 78) Terphenyl-d14 | 19.66 | 244 | 1393335 | 67.16 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 6) Aniline | 6.95 | 93 | 2171 | 0.26 | ng | # | 96 |
| 8) 2-Chlorophenol | 7.18 | 128 | 4763 | 0.90 | ng | | 81 |
| 9) Benzaldehyde | 6.75 | 77 | 3655 | 1.06 | ng | # | 84 |
| 11) bis(2-Chloroethyl)ether | 7.05 | 93 | 3316 | 0.67 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.50 | 146 | 3809 | 0.65 | ng | # | 88 |
| 13) 1,4-Dichlorobenzene | 7.64 | 146 | 3881 | 0.64 | ng | # | 84 |
| 14) 1,2-Dichlorobenzene | 7.95 | 146 | 3911 | 0.68 | ng | # | 75 |
| 15) Benzyl Alcohol | 7.85 | 79 | 2923 | 0.57 | ng | # | 83 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.15 | 45 | 6165 | 0.82 | ng | | 87 |
| 17) 2-Methylphenol | 8.05 | 107 | 3079 | 0.64 | ng | # | 93 |
| 18) Hexachloroethane | 8.68 | 117 | 1523 | 0.65 | ng | # | 67 |
| 19) n-Nitroso-di-n-propylamine | 8.41 | 70 | 2807 | 0.56 | ng | | 93 |
| 20) 3+4-Methylphenols | 8.38 | 107 | 4033 | 0.62 | ng | | 89 |
| 22) Acetophenone | 8.43 | 105 | 4569 | 0.62 | ng | # | 81 |
| 24) Nitrobenzene | 8.80 | 77 | 4035 | 0.66 | ng | # | 75 |
| 25) Isophorone | 9.32 | 82 | 7731 | 0.61 | ng | # | 93 |
| 26) 2-Nitrophenol | 9.51 | 139 | 1851 | 0.67 | ng | # | 75 |
| 27) 2,4-Dimethylphenol | 9.57 | 122 | 3280 | 0.62 | ng | # | 81 |
| 28) bis(2-Chloroethoxy)methane | 9.82 | 93 | 4073 | 0.64 | ng | # | 93 |
| 29) 2,4-Dichlorophenol | 10.04 | 162 | 2691 | 0.58 | ng | | 88 |
| 30) 1,2,4-Trichlorobenzene | 10.25 | 180 | 3086 | 0.59 | ng | | 90 |
| 31) Naphthalene | 10.44 | 128 | 11431 | 0.65 | ng | # | 93 |
| 33) 4-Chloroaniline | 10.55 | 127 | 2997 | 0.39 | ng | # | 77 |
| 34) Hexachlorobutadiene | 10.74 | 225 | 1781 | 0.60 | ng | # | 81 |
| 36) 4-Chloro-3-methylphenol | 11.69 | 107 | 2864 | 0.50 | ng | # | 78 |
| 37) 2-Methylnaphthalene | 12.06 | 142 | 7604m | 0.60 | ng | | |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.43 | 216 | 3768 | 0.72 | ng | | 91 |
| 42) 2,4,6-Trichlorophenol | 12.69 | 196 | 1550m | 0.44 | ng | | |
| 43) 2,4,5-Trichlorophenol | 12.75 | 196 | 2227 | 0.58 | ng | # | 77 |
| 45) 1,1'-Biphenyl | 13.09 | 154 | 9165 | 0.64 | ng | | 91 |
| 46) 2-Chloronaphthalene | 13.13 | 162 | 6902 | 0.60 | ng | # | 85 |
| 47) 2-Nitroaniline | 13.34 | 65 | 2153 | 0.62 | ng | # | 84 |
| 48) Acenaphthylene | 13.98 | 152 | 11961 | 0.58 | ng | | 97 |
| 49) Dimethylphthalate | 13.73 | 163 | 9325 | 0.63 | ng | # | 93 |

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|---|---|---|---|---|---|---|---|
| 50) 2,6-Dinitrotoluene | 13.84 | 165 | 1611 | 0.52 | ng | | 93 |
| 51) Acenaphthene | 14.33 | 154 | 7809 | 0.62 | ng | | 95 |
| 52) 3-Nitroaniline | 14.16 | 138 | 1620 | 0.45 | ng | # | 70 |
| 54) Dibenzofuran | 14.66 | 168 | 11041 | 0.63 | ng | | 97 |
| 55) 4-Nitrophenol | 14.48 | 139 | 1287 | 0.45 | ng | # | 84 |
| 56) 2,4-Dinitrotoluene | 14.63 | 165 | 1962 | 3.35 | ng | # | 82 |
| 57) Fluorene | 15.31 | 166 | 9795 | 0.62 | ng | | 90 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.90 | 232 | 1489 | 0.46 | ng | # | 89 |
| 59) Diethylphthalate | 15.10 | 149 | 9938 | 0.61 | ng | # | 90 |
| 60) 4-Chlorophenyl-phenylether | 15.32 | 204 | 4558 | 0.62 | ng | | 91 |
| 61) 4-Nitroaniline | 15.34 | 138 | 1971 | 0.49 | ng | | 94 |
| 62) Azobenzene | 15.61 | 77 | 10510 | 0.62 | ng | | 91 |
| 65) n-Nitrosodiphenylamine | 15.53 | 169 | 7169 | 0.51 | ng | | 92 |
| 66) 4-Bromophenyl-phenylether | 16.21 | 248 | 2354 | 0.51 | ng | | 85 |
| 67) Hexachlorobenzene | 16.32 | 284 | 2881 | 0.58 | ng | # | 73 |
| 68) Atrazine | 16.49 | 200 | 2633 | 0.51 | ng | | 95 |
| 69) Pentachlorophenol | 16.66 | 266 | 944 | 0.38 | ng | # | 34 |
| 70) Phenanthrene | 17.06 | 178 | 15785 | 0.63 | ng | | 96 |
| 71) Anthracene | 17.15 | 178 | 16323m | 0.65 | ng | | |
| 72) Carbazole | 17.42 | 167 | 14152 | 0.58 | ng | | 93 |
| 73) Di-n-butylphthalate | 18.00 | 149 | 18381 | 0.60 | ng | # | 93 |
| 74) Fluoranthene | 19.08 | 202 | 17849 | 0.63 | ng | | 92 |
| 77) Pyrene | 19.44 | 202 | 18951 | 0.63 | ng | | 95 |
| 79) Butylbenzylphthalate | 20.37 | 149 | 7496 | 0.53 | ng | | 95 |
| 80) Benzo(a)anthracene | 21.19 | 228 | 17749 | 0.65 | ng | | 96 |
| 81) 3,3'-Dichlorobenzidine | 21.14 | 252 | 3671 | 0.36 | ng | | 86 |
| 82) Chrysene | 21.25 | 228 | 15398 | 0.62 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 10650 | 0.54 | ng | # | 89 |
| 84) Di-n-octyl phthalate | 22.02 | 149 | 15914 | 0.49 | ng | # | 85 |
| 85) Indeno(1,2,3-cd)pyrene | 25.70 | 276 | 17358 | 0.58 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 22.76 | 252 | 16588m | 0.63 | ng | | |
| 88) Benzo(k)fluoranthene | 22.81 | 252 | 16387 | 0.66 | ng | | 98 |
| 89) Benzo(a)pyrene | 23.33 | 252 | 14718 | 0.61 | ng | # | 92 |
| 90) Dibenzo(a,h)anthracene | 25.71 | 278 | 14445 | 0.59 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 26.38 | 276 | 13849 | 0.59 | ng | # | 85 |

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

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