Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122116\
Data File : BG025371.D
Acq On : 22 Dec 2016 00:00
Operator : UM/SJ
Sample : H6103-01
Misc : LOD 1 PPM
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-SOIL-01-QT1-2017

**Manual Integrations APPROVED**
sohil
12/22/2016 7:04:32 PM

Quant Time: Dec 22 04:59:53 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 18:42:01 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.21 | 152 | 47883 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.04 | 136 | 195304 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.84 | 164 | 144682 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.58 | 188 | 346675 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.87 | 240 | 552931 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.28 | 264 | 572531 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.75 | 112 | 375565 | 142.57 | ng | | 0.00 |
| 7) Phenol-d6 | 7.37 | 99 | 523741 | 141.17 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.39 | 82 | 376739 | 85.22 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.33 | 330 | 323254 | 138.78 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.46 | 172 | 825503 | 92.37 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.16 | 244 | 1676472 | 80.39 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 6) Aniline | 7.54 | 93 | 3352 | 0.67 | ng | # | 90 |
| 8) 2-Chlorophenol | 7.78 | 128 | 3477 | 1.17 | ng | # | 73 |
| 9) Benzaldehyde | 7.36 | 77 | 3124 | 1.15 | ng | # | 46 |
| 10) Phenol | 7.40 | 94 | 3351m | 0.81 | ng | | |
| 11) bis(2-Chloroethyl)ether | 7.64 | 93 | 2900 | 0.92 | ng | # | 34 |
| 12) 1,3-Dichlorobenzene | 8.10 | 146 | 2926m | 0.81 | ng | | |
| 13) 1,4-Dichlorobenzene | 8.25 | 146 | 3205 | 0.86 | ng | # | 71 |
| 14) 1,2-Dichlorobenzene | 8.56 | 146 | 3110 | 0.87 | ng | # | 63 |
| 15) Benzyl Alcohol | 8.47 | 79 | 2351m | 0.66 | ng | | |
| 16) 2,2'-oxybis(1-Chloropropan | 8.75 | 45 | 3792 | 0.65 | ng | | 64 |
| 17) 2-Methylphenol | 8.68 | 107 | 2467 | 0.91 | ng | # | 62 |
| 18) Hexachloroethane | 9.29 | 117 | 810 | 0.57 | ng | | 93 |
| 20) 3+4-Methylphenols | 9.03 | 107 | 3031 | 0.81 | ng | # | 67 |
| 22) Acetophenone | 9.05 | 105 | 4104 | 0.76 | ng | # | 82 |
| 24) Nitrobenzene | 9.45 | 77 | 4150 | 0.86 | ng | # | 74 |
| 26) 2-Nitrophenol | 10.17 | 139 | 1386m | 0.75 | ng | | |
| 30) 1,2,4-Trichlorobenzene | 10.90 | 180 | 3097 | 0.79 | ng | # | 52 |
| 31) Naphthalene | 11.10 | 128 | 7697 | 0.79 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.35 | 225 | 2886 | 0.90 | ng | # | 76 |
| 36) 4-Chloro-3-methylphenol | 12.37 | 107 | 2341 | 0.58 | ng | # | 81 |
| 37) 2-Methylnaphthalene | 12.70 | 142 | 6067 | 0.84 | ng | | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.05 | 216 | 4667 | 0.98 | ng | # | 94 |
| 45) 1,1'-Biphenyl | 13.68 | 154 | 10349 | 1.06 | ng | | 84 |
| 46) 2-Chloronaphthalene | 13.74 | 162 | 7249 | 0.95 | ng | # | 77 |
| 47) 2-Nitroaniline | 13.97 | 65 | 2461 | 0.77 | ng | # | 65 |
| 48) Acenaphthylene | 14.56 | 152 | 9412 | 0.80 | ng | # | 82 |
| 49) Dimethylphthalate | 14.29 | 163 | 7623 | 0.72 | ng | # | 91 |
| 50) 2,6-Dinitrotoluene | 14.44 | 165 | 1407 | 0.61 | ng | | 90 |
| 51) Acenaphthene | 14.91 | 154 | 7209 | 0.94 | ng | # | 82 |
| 54) Dibenzofuran | 15.24 | 168 | 9755 | 0.80 | ng | # | 87 |
| 57) Fluorene | 15.89 | 166 | 9360 | 0.92 | ng | # | 77 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.48 | 232 | 2384 | 0.71 | ng | # | 71 |
| 59) Diethylphthalate | 15.63 | 149 | 9248 | 0.84 | ng | # | 89 |
| 60) 4-Chlorophenyl-phenylether | 15.86 | 204 | 5505 | 0.95 | ng | # | 71 |

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|---|---|---|---|---|---|---|---|
| 62) Azobenzene | 16.16 | 77 | 9040 | 0.85 | ng | | 79 |
| 65) n-Nitrosodiphenylamine | 16.10 | 169 | 7326 | 0.78 | ng | # | 70 |
| 66) 4-Bromophenyl-phenylether | 16.77 | 248 | 3813 | 0.89 | ng | # | 86 |
| 67) Hexachlorobenzene | 16.89 | 284 | 3663 | 0.75 | ng | # | 83 |
| 68) Atrazine | 17.03 | 200 | 2246 | 0.55 | ng | | 84 |
| 70) Phenanthrene | 17.63 | 178 | 13769 | 0.77 | ng | | 98 |
| 71) Anthracene | 17.73 | 178 | 15842m | 0.87 | ng | | |
| 72) Carbazole | 18.01 | 167 | 12687 | 0.78 | ng | # | 90 |
| 73) Di-n-butylphthalate | 18.51 | 149 | 16564 | 0.83 | ng | # | 93 |
| 74) Fluoranthene | 19.63 | 202 | 21759 | 0.92 | ng | | 89 |
| 77) Pyrene | 19.99 | 202 | 22574 | 0.78 | ng | # | 93 |
| 79) Butylbenzylphthalate | 20.84 | 149 | 10717m | 0.92 | ng | | |
| 80) Benzo(a)anthracene | 21.85 | 228 | 26432 | 0.86 | ng | # | 91 |
| 81) 3,3'-Dichlorobenzidine | 21.77 | 252 | 8982 | 0.75 | ng | # | 82 |
| 82) Chrysene | 21.93 | 228 | 25275 | 0.85 | ng | # | 92 |
| 83) Bis(2-ethylhexyl)phthalate | 21.69 | 149 | 16215 | 1.00 | ng | # | 83 |
| 84) Di-n-octyl phthalate | 22.95 | 149 | 23470 | 0.88 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 29.23 | 276 | 33708m | 0.90 | ng | | |
| 87) Benzo(b)fluoranthene | 24.20 | 252 | 26901 | 0.86 | ng | # | 87 |
| 88) Benzo(k)fluoranthene | 24.26 | 252 | 26215 | 0.87 | ng | # | 83 |
| 89) Benzo(a)pyrene | 25.12 | 252 | 24155 | 0.80 | ng | # | 89 |
| 90) Dibenzo(a,h)anthracene | 29.28 | 278 | 25951m | 0.81 | ng | | |
| 91) Benzo(g,h,i)perylene | 30.49 | 276 | 25803m | 0.81 | ng | | |

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

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