Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
Data File : BG037448.D
Acq On : 19 Oct 2018 11:24
Operator : JU/SJ
Sample : J5164-01
Misc : LOD 1PPM
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-MDL-SOIL-01-QT4-2018

**Manual Integrations APPROVED**
Sohil
10/22/2018 3:38:03 PM

Quant Time: Oct 20 00:43:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 18 14:06:42 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 50287 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.93 | 136 | 233142 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.74 | 164 | 155854 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.48 | 188 | 385113 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.77 | 240 | 359834 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.11 | 264 | 350533 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 399936 | 132.96 | ng | | 0.00 |
| 7) Phenol-d6 | 7.24 | 99 | 598020 | 131.48 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.28 | 82 | 348958 | 83.85 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.23 | 330 | 229562 | 135.05 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.36 | 172 | 864307 | 83.62 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.09 | 244 | 1323264 | 78.58 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 6) Aniline | 7.43 | 93 | 3031 | 0.546 | ng | | 94 |
| 8) 2-Chlorophenol | 7.67 | 128 | 3469 | 0.986 | ng | | 84 |
| 9) Benzaldehyde | 7.24 | 77 | 3105 | 1.091 | ng | # | 69 |
| 10) Phenol | 7.27 | 94 | 4699 | 0.979 | ng | | 81 |
| 11) bis(2-Chloroethyl)ether | 7.53 | 93 | 3513 | 0.964 | ng | | 85 |
| 12) 1,3-Dichlorobenzene | 8.00 | 146 | 3904m | 0.997 | ng | | |
| 13) 1,4-Dichlorobenzene | 8.14 | 146 | 3856 | 0.962 | ng | # | 86 |
| 14) 1,2-Dichlorobenzene | 8.46 | 146 | 3497m | 0.907 | ng | | |
| 15) Benzyl Alcohol | 8.35 | 79 | 2755 | 0.820 | ng | # | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62 | 45 | 6492 | 0.995 | ng | | 91 |
| 18) Hexachloroethane | 9.20 | 117 | 1300 | 0.952 | ng | # | 33 |
| 24) Nitrobenzene | 9.33 | 77 | 4566 | 1.056 | ng | | 97 |
| 31) Naphthalene | 10.98 | 128 | 12381 | 1.081 | ng | # | 93 |
| 34) Hexachlorobutadiene | 11.25 | 225 | 2286 | 0.916 | ng | # | 75 |
| 37) 2-Methylnaphthalene | 12.58 | 142 | 9364 | 1.122 | ng | | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216 | 5006 | 0.996 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.58 | 154 | 13654 | 1.058 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.62 | 162 | 9768 | 1.000 | ng | | 94 |
| 48) 2-Nitroaniline | 13.82 | 65 | 2138 | 0.722 | ng | | 99 |
| 49) Acenaphthylene | 14.47 | 152 | 14071 | 0.958 | ng | | 97 |
| 50) Dimethylphthalate | 14.18 | 163 | 12519 | 1.038 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.31 | 165 | 1996 | 0.748 | ng | # | 87 |
| 52) Acenaphthene | 14.80 | 154 | 9857 | 1.090 | ng | | 86 |
| 55) Dibenzofuran | 15.13 | 168 | 16084 | 1.073 | ng | | 91 |
| 58) Fluorene | 15.79 | 166 | 12977 | 1.156 | ng | # | 91 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.36 | 232 | 2215 | 0.707 | ng | # | 89 |
| 60) Diethylphthalate | 15.54 | 149 | 12452 | 1.006 | ng | | 99 |
| 63) Azobenzene | 16.06 | 77 | 11613 | 0.983 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.99 | 169 | 10301 | 0.889 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.67 | 248 | 3872 | 0.916 | ng | # | 76 |
| 68) Hexachlorobenzene | 16.78 | 284 | 4017 | 0.916 | ng | # | 89 |
| 69) Atrazine | 16.92 | 200 | 3740 | 0.893 | ng | | 76 |
| 71) Phenanthrene | 17.53 | 178 | 21656 | 1.106 | ng | | 94 |
| 72) Anthracene | 17.62 | 178 | 20460 | 1.065 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 73) Carbazole | 17.89 | 167 | 17214 | 0.896 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.43 | 149 | 18981 | 0.888 | ng | # | 99 |
| 75) Fluoranthene | 19.53 | 202 | 21404 | 0.964 | ng | | 98 |
| 78) Pyrene | 19.89 | 202 | 23435 | 0.996 | ng | | 96 |
| 80) Butylbenzylphthalate | 20.77 | 149 | 7263 | 0.754 | ng | | 92 |
| 81) Benzo(a)anthracene | 21.75 | 228 | 22850 | 1.074 | ng | | 92 |
| 83) Chrysene | 21.82 | 228 | 21959 | 1.073 | ng | | 94 |
| 84) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 10416 | 0.772 | ng | # | 91 |
| 85) Di-n-octyl phthalate | 22.88 | 149 | 15105 | 0.686 | ng | # | 74 |
| 86) Indeno(1,2,3-cd)pyrene | 28.92 | 276 | 11409 | 0.520 | ng | # | 78 |
| 88) Benzo(b)fluoranthene | 24.03 | 252 | 18758m | 0.976 | ng | | |
| 89) Benzo(k)fluoranthene | 24.10 | 252 | 20329 | 1.080 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.95 | 252 | 18690 | 1.023 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 29.00 | 278 | 6288 | 0.373 | ng | | 95 |
| 92) Benzo(g,h,i)perylene | 30.13 | 276 | 12931m | 0.759 | ng | | |

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

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