Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
Data File : BF108656.D
Acq On : 30 Aug 2018 22:33
Operator : JU/SJ
Sample : J4699-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CG-SOIL-1MSD

**Manual Integrations APPROVED**
Sohil
8/31/2018 12:18:29 PM

Quant Time: Aug 31 03:14:38 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 30 15:06:55 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.00 | 152 | 81626 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.28 | 136 | 310631 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.04 | 164 | 140094 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.54 | 188 | 279718 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.19 | 240 | 276039 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.75 | 264 | 232327 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.65 | 112 | 333152 | 70.90 | ng | | 0.00 |
| 7) Phenol-d6 | 6.64 | 99 | 509122 | 75.65 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.57 | 82 | 366260 | 59.85 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.84 | 330 | 146748 | 79.35 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.35 | 172 | 650789 | 62.46 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.12 | 244 | 735597 | 51.78 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.90 | 88 | 60364 | 27.643 | ng | # | 84 |
| 3) Pyridine | 3.71 | 79 | 134857 | 26.730 | ng | # | 86 |
| 4) n-Nitrosodimethylamine | 3.68 | 42 | 68832 | 27.350 | ng | | 80 |
| 6) Aniline | 6.70 | 93 | 194998 | 26.852 | ng | # | 81 |
| 8) 2-Chlorophenol | 6.80 | 128 | 197066 | 34.302 | ng | | 94 |
| 9) Benzaldehyde | 6.58 | 77 | 104242 | 25.061 | ng | | 98 |
| 10) Phenol | 6.66 | 94 | 263309 | 33.552 | ng | | 85 |
| 11) bis(2-Chloroethyl)ether | 6.73 | 93 | 239864 | 34.711 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.94 | 146 | 212920 | 31.964 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.02 | 146 | 240973 | 33.141 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.17 | 146 | 221453 | 33.162 | ng | | 97 |
| 15) Benzyl Alcohol | 7.16 | 79 | 136913 | 28.282 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.27 | 45 | 357175 | 33.692 | ng | | 71 |
| 17) 2-Methylphenol | 7.26 | 107 | 149243 | 33.412 | ng | # | 69 |
| 18) Hexachloroethane | 7.50 | 117 | 76592 | 30.629 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.40 | 70 | 142941 | 31.717 | ng | | 91 |
| 20) 3+4-Methylphenols | 7.42 | 107 | 170521 | 30.469 | ng | # | 24 |
| 22) Acetophenone | 7.41 | 105 | 292786 | 37.757 | ng | # | 89 |
| 24) Nitrobenzene | 7.58 | 77 | 206455 | 33.271 | ng | | 92 |
| 25) Isophorone | 7.81 | 82 | 378574 | 37.239 | ng | | 96 |
| 26) 2-Nitrophenol | 7.90 | 139 | 93939 | 33.441 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.93 | 122 | 160988 | 39.406 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 8.02 | 93 | 236573 | 36.838 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 8.15 | 162 | 165273 | 34.100 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.22 | 180 | 187017 | 34.506 | ng | | 97 |
| 31) Naphthalene | 8.31 | 128 | 596056 | 40.286 | ng | | 100 |
| 32) Benzoic acid | 8.04 | 122 | 21756m | 8.304 | ng | | |
| 33) 4-Chloroaniline | 8.37 | 127 | 180059 | 27.568 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.41 | 225 | 120999 | 34.001 | ng | | 99 |
| 35) Caprolactam | 8.72 | 113 | 39452 | 30.548 | ng | | 88 |
| 36) 4-Chloro-3-methylphenol | 8.84 | 107 | 167275 | 32.156 | ng | | 96 |
| 37) 2-Methylnaphthalene | 9.00 | 142 | 378456 | 37.806 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.16 | 216 | 192710 | 38.747 | ng | # | 97 |
| 40) Hexachlorocyclopentadiene | 9.14 | 237 | 43805 | 26.145 | ng | | 95 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.28 | 196 | 106706 | 36.230 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.33 | 196 | 129687 | 37.760 | ng | # | 94 |
| 45) 1,1'-Biphenyl | 9.46 | 154 | 459221 | 37.653 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.49 | 162 | 350820 | 36.743 | ng | | 97 |
| 47) 2-Nitroaniline | 9.60 | 65 | 113066 | 35.406 | ng | | 84 |
| 48) Acenaphthylene | 9.91 | 152 | 551998 | 39.489 | ng | | 99 |
| 49) Dimethylphthalate | 9.75 | 163 | 486394 | 44.090 | ng | # | 99 |
| 50) 2,6-Dinitrotoluene | 9.82 | 165 | 87226 | 35.871 | ng | # | 88 |
| 51) Acenaphthene | 10.08 | 154 | 301101 | 36.026 | ng | | 99 |
| 52) 3-Nitroaniline | 10.02 | 138 | 71976 | 27.361 | ng | | 96 |
| 53) 2,4-Dinitrophenol | 10.13 | 184 | 19162 | 23.175 | ng | # | 46 |
| 54) Dibenzofuran | 10.25 | 168 | 474462 | 36.279 | ng | | 95 |
| 55) 4-Nitrophenol | 10.20 | 139 | 80014 | 49.601 | ng | # | 84 |
| 56) 2,4-Dinitrotoluene | 10.24 | 165 | 112779 | 35.027 | ng | # | 92 |
| 57) Fluorene | 10.60 | 166 | 375080 | 37.008 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.37 | 232 | 113477 | 36.881 | ng | # | 78 |
| 59) Diethylphthalate | 10.45 | 149 | 393216 | 35.379 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.58 | 204 | 193632 | 33.668 | ng | | 94 |
| 61) 4-Nitroaniline | 10.64 | 138 | 77205 | 30.330 | ng | | 93 |
| 62) Azobenzene | 10.74 | 77 | 380625 | 34.454 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 10.65 | 198 | 18230 | 14.688 | ng | | 88 |
| 65) n-Nitrosodiphenylamine | 10.70 | 169 | 339266 | 36.507 | ng | | 95 |
| 66) 4-Bromophenyl-phenylether | 11.07 | 248 | 118333 | 34.421 | ng | # | 88 |
| 67) Hexachlorobenzene | 11.14 | 284 | 124403 | 33.589 | ng | # | 87 |
| 68) Atrazine | 11.22 | 200 | 109389 | 41.055 | ng | | 95 |
| 69) Pentachlorophenol | 11.34 | 266 | 117748 | 59.829 | ng | | 99 |
| 70) Phenanthrene | 11.57 | 178 | 532069 | 37.685 | ng | | 98 |
| 71) Anthracene | 11.62 | 178 | 592153 | 39.916 | ng | | 99 |
| 72) Carbazole | 11.78 | 167 | 525447 | 36.630 | ng | | 99 |
| 73) Di-n-butylphthalate | 12.08 | 149 | 598619 | 36.272 | ng | | 99 |
| 74) Fluoranthene | 12.76 | 202 | 648526 | 40.807 | ng | | 94 |
| 76) Benzidine | 12.89 | 184 | 388392 | 49.985 | ng | | 99 |
| 77) Pyrene | 12.99 | 202 | 651360 | 31.390 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.59 | 149 | 279022 | 31.978 | ng | # | 96 |
| 80) Benzo(a)anthracene | 14.18 | 228 | 621288 | 36.920 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 14.15 | 252 | 231638 | 37.956 | ng | # | 94 |
| 82) Chrysene | 14.22 | 228 | 590789 | 36.507 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.14 | 149 | 380818 | 33.955 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 14.76 | 149 | 672144 | 40.761 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 17.37 | 276 | 411985 | 36.613 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 15.28 | 252 | 564994 | 39.589 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 15.31 | 252 | 530005 | 37.489 | ng | # | 95 |
| 89) Benzo(a)pyrene | 15.68 | 252 | 483125 | 37.459 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 17.38 | 278 | 352608 | 34.231 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 17.87 | 276 | 322433 | 32.206 | ng | # | 88 |

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

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