Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
Data File : BF114656.D
Acq On : 30 May 2019 13:08
Operator : HP/JU
Sample : K2241-01
Misc : LOD-SOIL-5PPM
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-MDL-SOIL-01-QT2-2019

**Manual Integrations APPROVED**
mohammad
6/3/2019 8:47:03 AM

Quant Time: May 30 14:46:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 30 14:17:39 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.69 | 152 | 412684 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.97 | 136 | 1555639 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.72 | 164 | 786814 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.19 | 188 | 1488563 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.81 | 240 | 1126995 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.20 | 264 | 1192429 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.30 | 112 | 3009285 | 128.03 | ng | | 0.00 |
| 7) Phenol-d6 | 6.33 | 99 | 3575339 | 126.23 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.26 | 82 | 2189545 | 87.81 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.50 | 330 | 1064043 | 141.93 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.05 | 172 | 3751008 | 79.20 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.78 | 244 | 3993089 | 66.62 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.37 | 88 | 58981 | 5.229 | ng | | 98 |
| 3) Pyridine | 3.12 | 79 | 145928 | 4.445 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 2.98 | 42 | 56345 | 4.241 | ng | # | 97 |
| 6) Aniline | 6.36 | 93 | 214926 | 5.023 | ng | | 99 |
| 8) 2-Chlorophenol | 6.47 | 128 | 142828 | 5.262 | ng | | 91 |
| 9) Benzaldehyde | 6.23 | 77 | 117912 | 7.296 | ng | | 99 |
| 10) Phenol | 6.34 | 94 | 180252 | 5.268 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.43 | 93 | 136599 | 5.219 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.63 | 146 | 164938 | 5.333 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.71 | 146 | 167729 | 5.406 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.86 | 146 | 156248 | 5.532 | ng | | 97 |
| 15) Benzyl Alcohol | 6.83 | 79 | 114281m | 5.129 | ng | | |
| 16) 2,2'-oxybis(1-Chloropropan | 6.97 | 45 | 196813 | 4.903 | ng | | 98 |
| 17) 2-Methylphenol | 6.94 | 107 | 115582 | 5.034 | ng | | 99 |
| 18) Hexachloroethane | 7.21 | 117 | 57076 | 4.859 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.10 | 70 | 99886 | 5.109 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.10 | 107 | 150230 | 5.563 | ng | | 92 |
| 22) Acetophenone | 7.10 | 105 | 204484 | 6.169 | ng | | 99 |
| 24) Nitrobenzene | 7.27 | 77 | 151734 | 5.729 | ng | | 98 |
| 25) Isophorone | 7.51 | 82 | 270441 | 5.404 | ng | | 98 |
| 26) 2-Nitrophenol | 7.59 | 139 | 61751 | 4.790 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.63 | 122 | 128854 | 6.009 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.73 | 93 | 170353 | 5.348 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.82 | 162 | 119094 | 5.457 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.92 | 180 | 140078 | 5.633 | ng | | 99 |
| 31) Naphthalene | 7.99 | 128 | 444260 | 6.200 | ng | | 96 |
| 32) Benzoic acid | 7.68 | 122 | 48707 | 3.497 | ng | | 95 |
| 33) 4-Chloroaniline | 8.04 | 127 | 181535 | 5.318 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.12 | 225 | 74749 | 5.411 | ng | | 98 |
| 35) Caprolactam | 8.36 | 113 | 35684 | 4.845 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.52 | 107 | 119697 | 5.469 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.68 | 142 | 304622 | 6.398 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.78 | 142 | 287167 | 6.366 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.85 | 216 | 131779 | 6.289 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.85 | 237 | 79235 | 5.722 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 8.96 | 196 | 84960 | 5.153 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 8.99 | 196 | 89637 | 5.448 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.15 | 154 | 372588 | 6.379 | ng | | 96 |
| 47) 2-Chloronaphthalene | 9.17 | 162 | 282259 | 5.891 | ng | | 94 |
| 48) 2-Nitroaniline | 9.25 | 65 | 67631 | 4.574 | ng | | 91 |
| 49) Acenaphthylene | 9.57 | 152 | 451089 | 6.095 | ng | | 97 |
| 50) Dimethylphthalate | 9.44 | 163 | 318399 | 5.807 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.50 | 165 | 64025 | 5.026 | ng | | 99 |
| 52) Acenaphthene | 9.75 | 154 | 268684 | 5.919 | ng | | 99 |
| 53) 3-Nitroaniline | 9.66 | 138 | 74128 | 4.754 | ng | | 93 |
| 54) 2,4-Dinitrophenol | 9.76 | 184 | 13849 | 2.756 | ng | # | 42 |
| 55) Dibenzofuran | 9.92 | 168 | 399945 | 6.190 | ng | | 95 |
| 56) 4-Nitrophenol | 9.81 | 139 | 51851 | 4.487 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 9.89 | 165 | 79460 | 4.860 | ng | | 97 |
| 58) Fluorene | 10.26 | 166 | 306417 | 7.023 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.03 | 232 | 72926 | 5.415 | ng | | 99 |
| 60) Diethylphthalate | 10.15 | 149 | 316500 | 5.652 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.26 | 204 | 147113 | 6.740 | ng | | 99 |
| 62) 4-Nitroaniline | 10.26 | 138 | 71893 | 4.732 | ng | | 98 |
| 63) Azobenzene | 10.42 | 77 | 296363 | 5.765 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 10.30 | 198 | 23949 | 3.628 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 10.37 | 169 | 265562 | 6.038 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.74 | 248 | 88277 | 5.530 | ng | | 98 |
| 68) Hexachlorobenzene | 10.81 | 284 | 97396 | 5.633 | ng | | 95 |
| 69) Atrazine | 10.90 | 200 | 76406 | 5.514 | ng | | 98 |
| 70) Pentachlorophenol | 11.00 | 266 | 45402 | 4.555 | ng | | 97 |
| 71) Phenanthrene | 11.22 | 178 | 461369 | 6.076 | ng | | 96 |
| 72) Anthracene | 11.26 | 178 | 466423 | 6.069 | ng | | 97 |
| 73) Carbazole | 11.42 | 167 | 405267 | 6.000 | ng | | 97 |
| 74) Di-n-butylphthalate | 11.76 | 149 | 483766 | 5.895 | ng | | 97 |
| 75) Fluoranthene | 12.39 | 202 | 462194 | 5.878 | ng | | 95 |
| 77) Benzidine | 12.52 | 184 | 237783 | 5.124 | ng | | 97 |
| 78) Pyrene | 12.62 | 202 | 468548 | 4.915 | ng | | 97 |
| 80) Butylbenzylphthalate | 13.25 | 149 | 187848 | 3.921 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.80 | 228 | 426114 | 4.920 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 13.77 | 252 | 151398 | 4.527 | ng | | 98 |
| 83) Chrysene | 13.83 | 228 | 405268 | 4.898 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phthalate | 13.82 | 149 | 268164 | 4.527 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.43 | 149 | 446956 | 4.343 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 16.51 | 276 | 374317 | 4.517 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 14.81 | 252 | 396279 | 5.276 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 14.83 | 252 | 390905 | 5.988 | ng | | 97 |
| 90) Benzo(a)pyrene | 15.14 | 252 | 367593 | 5.571 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.53 | 278 | 317594 | 5.447 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 16.90 | 276 | 299748 | 5.297 | ng | | 98 |

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

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