Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115867.D
Acq On : 31 Jul 2019 15:49
Operator : HP/JU
Sample : K3591-08
Misc : LOQ-WATER-10PPM
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
LOQ-WATER-02-QT3-2019

**Manual Integrations APPROVED**
mohammad
8/1/2019 5:06:37 PM

Quant Time: Aug 01 11:50:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 01 09:04:21 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 133931 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.13 | 136 | 529340 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.89 | 164 | 275476 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.38 | 188 | 480570 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.02 | 240 | 369135 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.49 | 264 | 341556 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 954257 | 119.28 | ng | | 0.00 |
| 7) Phenol-d6 | 6.49 | 99 | 1189596 | 117.85 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 748920 | 81.67 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.68 | 330 | 312089 | 116.85 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.22 | 172 | 1259036 | 85.61 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.96 | 244 | 1345757 | 76.82 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.61 | 88 | 42121 | 10.422 | ng | | 99 |
| 3) Pyridine | 3.42 | 79 | 89863 | 7.959 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.30 | 42 | 41191 | 9.245 | ng | | 97 |
| 6) Aniline | 6.52 | 93 | 145308 | 10.052 | ng | | 99 |
| 8) 2-Chlorophenol | 6.64 | 128 | 92888 | 10.500 | ng | | 97 |
| 9) Benzaldehyde | 6.40 | 77 | 79486 | 11.413 | ng | | 99 |
| 10) Phenol | 6.49 | 94 | 125180 | 10.531 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 87730 | 10.039 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.79 | 146 | 104606 | 10.231 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 6.87 | 146 | 104726 | 10.230 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.02 | 146 | 97976 | 10.394 | ng | | 98 |
| 15) Benzyl Alcohol | 6.99 | 79 | 81790 | 10.677 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45 | 116302 | 9.757 | ng | | 99 |
| 17) 2-Methylphenol | 7.10 | 107 | 75053 | 10.019 | ng | | 98 |
| 18) Hexachloroethane | 7.36 | 117 | 35856 | 9.513 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70 | 65207 | 10.425 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 95706 | 10.796 | ng | # | 56 |
| 22) Acetophenone | 7.26 | 105 | 132324 | 11.398 | ng | | 98 |
| 24) Nitrobenzene | 7.43 | 77 | 107664 | 10.873 | ng | | 99 |
| 25) Isophorone | 7.67 | 82 | 176678 | 10.076 | ng | | 99 |
| 26) 2-Nitrophenol | 7.75 | 139 | 43576 | 9.336 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.78 | 122 | 77602 | 11.051 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93 | 107281 | 9.871 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.99 | 162 | 75110 | 10.130 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.07 | 180 | 84092 | 9.950 | ng | | 98 |
| 31) Naphthalene | 8.15 | 128 | 275117 | 11.045 | ng | | 98 |
| 32) Benzoic acid | 7.87 | 122 | 26003m | 5.252 | ng | | |
| 33) 4-Chloroaniline | 8.20 | 127 | 112239 | 10.085 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.27 | 225 | 47117 | 9.678 | ng | | 98 |
| 35) Caprolactam | 8.55 | 113 | 22621 | 9.433 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 78020 | 10.115 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 181003 | 11.033 | ng | | 97 |
| 38) 1-Methylnaphthalene | 8.95 | 142 | 169033 | 10.891 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 78656 | 10.680 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.00 | 237 | 15843 | 5.504 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.13 | 196 | 46482 | 9.170 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.17 | 196 | 51252 | 9.781 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.31 | 154 | 221788 | 11.404 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.34 | 162 | 168526 | 10.411 | ng | | 100 |
| 48) 2-Nitroaniline | 9.43 | 65 | 49222 | 9.200 | ng | # | 81 |
| 49) Acenaphthylene | 9.75 | 152 | 266306 | 11.277 | ng | | 98 |
| 50) Dimethylphthalate | 9.60 | 163 | 183935 | 9.806 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.67 | 165 | 39828 | 9.771 | ng | | 88 |
| 52) Acenaphthene | 9.92 | 154 | 156678 | 10.815 | ng | | 98 |
| 53) 3-Nitroaniline | 9.84 | 138 | 45010 | 8.937 | ng | | 93 |
| 54) 2,4-Dinitrophenol | 9.96 | 184 | 7654 | 4.422 | ng | | 90 |
| 55) Dibenzofuran | 10.10 | 168 | 236169 | 11.209 | ng | | 100 |
| 56) 4-Nitrophenol | 10.01 | 139 | 22216 | 6.886 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 10.07 | 165 | 50593 | 9.322 | ng | # | 86 |
| 58) Fluorene | 10.44 | 166 | 183017 | 11.291 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.22 | 232 | 40582 | 9.205 | ng | | 97 |
| 60) Diethylphthalate | 10.31 | 149 | 174307 | 9.954 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.43 | 204 | 86085 | 10.486 | ng | | 95 |
| 62) 4-Nitroaniline | 10.45 | 138 | 47129 | 9.054 | ng | | 97 |
| 63) Azobenzene | 10.59 | 77 | 191155 | 10.613 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 16899 | 6.636 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 10.55 | 169 | 153861 | 10.637 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.92 | 248 | 51518 | 10.014 | ng | | 93 |
| 68) Hexachlorobenzene | 10.99 | 284 | 56704 | 9.532 | ng | | 98 |
| 69) Atrazine | 11.07 | 200 | 44928 | 9.441 | ng | | 98 |
| 70) Pentachlorophenol | 11.19 | 266 | 17938 | 6.211 | ng | # | 87 |
| 71) Phenanthrene | 11.40 | 178 | 269201 | 10.957 | ng | | 98 |
| 72) Anthracene | 11.45 | 178 | 274859 | 11.055 | ng | | 99 |
| 73) Carbazole | 11.61 | 167 | 243743 | 10.805 | ng | | 96 |
| 74) Di-n-butylphthalate | 11.94 | 149 | 247670 | 9.412 | ng | | 99 |
| 75) Fluoranthene | 12.59 | 202 | 272693 | 10.602 | ng | | 98 |
| 77) Benzidine | 12.71 | 184 | 125874 | 10.093 | ng | | 100 |
| 78) Pyrene | 12.82 | 202 | 283459 | 10.187 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.43 | 149 | 94789 | 8.053 | ng | | 96 |
| 81) Benzo(a)anthracene | 14.01 | 228 | 232146 | 9.839 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.97 | 252 | 79966 | 9.756 | ng | | 98 |
| 83) Chrysene | 14.04 | 228 | 233961 | 10.214 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 126406 | 8.264 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.60 | 149 | 188907 | 7.776 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.96 | 276 | 167484 | 8.706 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.06 | 252 | 185467 | 9.391 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.09 | 252 | 205976 | 10.708 | ng | | 97 |
| 90) Benzo(a)pyrene | 15.42 | 252 | 179799 | 10.184 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.97 | 278 | 138741 | 9.079 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.40 | 276 | 134628 | 8.970 | ng | | 97 |

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

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