Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
Data File : BF117238.D
Acq On : 25 Sep 2019 14:02
Operator : JU
Sample : K5008-07MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-7MS

**Manual Integrations APPROVED**
mohammad
9/26/2019 3:53:35 PM

Quant Time: Sep 26 03:13:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 37738 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.10 | 136 | 154280 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.85 | 164 | 80441 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.34 | 188 | 122492 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.98 | 240 | 70001 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.44 | 264 | 65907 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 223213 | 92.34 | ng | | 0.01 |
| 7) Phenol-d6 | 6.46 | 99 | 312991 | 100.19 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.38 | 82 | 193023 | 65.74 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.65 | 330 | 57152 | 85.01 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.17 | 172 | 314875 | 61.20 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.92 | 244 | 250908 | 67.00 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.65 | 88 | 34428 | 34.038 | ng | # | 96 |
| 3) Pyridine | 3.40 | 79 | 80756 | 29.170 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.35 | 42 | 40336 | 42.456 | ng | | 83 |
| 6) Aniline | 6.48 | 93 | 99003 | 24.616 | ng | # | 59 |
| 8) 2-Chlorophenol | 6.61 | 128 | 108262 | 41.517 | ng | | 95 |
| 9) Benzaldehyde | 6.36 | 77 | 74025 | 49.719 | ng | | 96 |
| 10) Phenol | 6.47 | 94 | 144535 | 41.970 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.55 | 93 | 100760 | 39.810 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.76 | 146 | 112610 | 38.484 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.83 | 146 | 114400 | 38.310 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.99 | 146 | 108913 | 39.174 | ng | | 98 |
| 15) Benzyl Alcohol | 6.96 | 79 | 99908 | 41.706 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45 | 94300 | 37.711 | ng | # | 42 |
| 17) 2-Methylphenol | 7.08 | 107 | 89980 | 41.172 | ng | # | 90 |
| 18) Hexachloroethane | 7.32 | 117 | 44138 | 38.422 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70 | 79342 | 41.711 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.23 | 107 | 113330 | 41.632 | ng | # | 72 |
| 22) Acetophenone | 7.23 | 105 | 163824 | 41.794 | ng | | 98 |
| 24) Nitrobenzene | 7.40 | 77 | 118503 | 40.867 | ng | | 99 |
| 25) Isophorone | 7.64 | 82 | 218470 | 42.022 | ng | | 99 |
| 26) 2-Nitrophenol | 7.72 | 139 | 54861 | 44.047 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.76 | 122 | 91308 | 46.228 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93 | 128262 | 40.043 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.96 | 162 | 86188 | 41.645 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.04 | 180 | 86603 | 38.732 | ng | | 99 |
| 31) Naphthalene | 8.12 | 128 | 308330 | 41.554 | ng | | 99 |
| 32) Benzoic acid | 7.89 | 122 | 30339 | 24.142 | ng | | 93 |
| 33) 4-Chloroaniline | 8.17 | 127 | 43342 | 13.170 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.24 | 225 | 51178 | 40.344 | ng | | 97 |
| 35) Caprolactam | 8.55 | 113 | 26070m | 37.216 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.66 | 107 | 100640 | 41.704 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.81 | 142 | 212330 | 42.496 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.91 | 142 | 195674 | 41.814 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216 | 85215 | 41.024 | ng | | 97 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.96 | 237 | 56652 | 63.496 ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.09 | 196 | 56173 | 39.849 ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.15 | 196 | 60613 | 40.245 ng | | 97 |
| 46) 1,1'-Biphenyl | 9.27 | 154 | 252701 | 40.049 ng | | 96 |
| 47) 2-Chloronaphthalene | 9.30 | 162 | 194269 | 39.012 ng | | 99 |
| 48) 2-Nitroaniline | 9.40 | 65 | 60679 | 37.989 ng | | 94 |
| 49) Acenaphthylene | 9.72 | 152 | 307737 | 41.252 ng | | 99 |
| 50) Dimethylphthalate | 9.57 | 163 | 269728 | 47.357 ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.64 | 165 | 49689 | 42.835 ng | # | 86 |
| 52) Acenaphthene | 9.89 | 154 | 177820 | 40.211 ng | | 99 |
| 53) 3-Nitroaniline | 9.81 | 138 | 32073 | 21.914 ng | | 94 |
| 54) 2,4-Dinitrophenol | 9.93 | 184 | 17826 | 40.678 ng | | 93 |
| 55) Dibenzofuran | 10.06 | 168 | 271834 | 41.663 ng | | 99 |
| 56) 4-Nitrophenol | 9.99 | 139 | 51407 | 54.194 ng | | 94 |
| 57) 2,4-Dinitrotoluene | 10.05 | 165 | 64572 | 42.883 ng | # | 88 |
| 58) Fluorene | 10.40 | 166 | 219679 | 41.798 ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.19 | 232 | 47826 | 41.497 ng | | 97 |
| 60) Diethylphthalate | 10.27 | 149 | 229650 | 40.983 ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204 | 95477 | 41.987 ng | | 97 |
| 62) 4-Nitroaniline | 10.43 | 138 | 48774 | 32.045 ng | | 89 |
| 63) Azobenzene | 10.55 | 77 | 238896 | 41.743 ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.46 | 198 | 19426 | 36.703 ng | | 88 |
| 66) n-Nitrosodiphenylamine | 10.51 | 169 | 188263 | 44.503 ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.88 | 248 | 54073 | 43.226 ng | | 96 |
| 68) Hexachlorobenzene | 10.96 | 284 | 57312 | 41.888 ng | | 99 |
| 69) Atrazine | 11.04 | 200 | 48733 | 46.798 ng | | 98 |
| 70) Pentachlorophenol | 11.15 | 266 | 47018 | 73.311 ng | | 98 |
| 71) Phenanthrene | 11.36 | 178 | 291846 | 41.947 ng | | 99 |
| 72) Anthracene | 11.42 | 178 | 299466 | 42.160 ng | | 99 |
| 73) Carbazole | 11.57 | 167 | 252700 | 37.480 ng | | 99 |
| 74) Di-n-butylphthalate | 11.89 | 149 | 349827 | 43.609 ng | | 98 |
| 75) Fluoranthene | 12.55 | 202 | 271642 | 37.998 ng | | 99 |
| 77) Benzidine | 12.67 | 184 | 60866 | 26.993 ng | | 99 |
| 78) Pyrene | 12.78 | 202 | 263385 | 44.842 ng | | 99 |
| 80) Butylbenzylphthalate | 13.39 | 149 | 117429 | 42.311 ng | | 97 |
| 81) Benzo(a)anthracene | 13.97 | 228 | 184201 | 39.386 ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 13.93 | 252 | 43037 | 28.556 ng | | 95 |
| 83) Chrysene | 14.01 | 228 | 178719 | 39.180 ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 13.95 | 149 | 169176 | 47.276 ng | | 99 |
| 85) Di-n-octyl phthalate | 14.57 | 149 | 263022 | 46.699 ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.91 | 276 | 162581 | 48.855 ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.03 | 252 | 151556 | 37.963 ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.06 | 252 | 153777 | 40.663 ng | | 96 |
| 90) Benzo(a)pyrene | 15.39 | 252 | 147457 | 42.092 ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 16.92 | 278 | 136870 | 49.043 ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.34 | 276 | 127789 | 45.951 ng | | 97 |

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

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