Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091919\
Data File : BF117172.D
Acq On : 19 Sep 2019 13:54
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040

**Manual Integrations APPROVED**
mohammad
9/20/2019 1:06:42 PM

Quant Time: Sep 20 01:45:06 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 | 69203 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.10 | 136 | 295603 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.85 | 164 | 158712 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.33 | 188 | 233302 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.97 | 240 | 207872 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.42 | 264 | 160175 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 384737 | 86.80 | ng | | 0.00 |
| 7) Phenol-d6 | 6.46 | 99 | 427758 | 74.67 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.39 | 82 | 456283 | 81.10 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.65 | 330 | 102368 | 77.17 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.17 | 172 | 792633 | 78.09 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.92 | 244 | 871596 | 78.38 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.56 | 88 | 44306 | 23.887 | ng | | 96 |
| 3) Pyridine | 3.31 | 79 | 123262m | 24.280 | ng | | |
| 4) n-Nitrosodimethylamine | 3.26 | 42 | 44788m | 25.708 | ng | | |
| 6) Aniline | 6.49 | 93 | 281367 | 38.149 | ng | | 92 |
| 8) 2-Chlorophenol | 6.62 | 128 | 180898 | 37.830 | ng | | 96 |
| 9) Benzaldehyde | 6.37 | 77 | 122189 | 43.520 | ng | | 96 |
| 10) Phenol | 6.48 | 94 | 236773 | 37.493 | ng | | 84 |
| 11) bis(2-Chloroethyl)ether | 6.56 | 93 | 182036 | 39.220 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.76 | 146 | 204860 | 38.178 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.84 | 146 | 213188 | 38.932 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.00 | 146 | 195706 | 38.386 | ng | | 99 |
| 15) Benzyl Alcohol | 6.97 | 79 | 172207 | 39.202 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45 | 176105 | 38.404 | ng | | 87 |
| 17) 2-Methylphenol | 7.09 | 107 | 152752 | 38.115 | ng | | 94 |
| 18) Hexachloroethane | 7.33 | 117 | 89049 | 42.271 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 7.24 | 70 | 147224 | 42.206 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.24 | 107 | 202204 | 40.506 | ng | | 91 |
| 22) Acetophenone | 7.23 | 105 | 302226 | 40.241 | ng | # | 98 |
| 24) Nitrobenzene | 7.41 | 77 | 224469 | 40.402 | ng | | 98 |
| 25) Isophorone | 7.65 | 82 | 362528 | 36.394 | ng | | 99 |
| 26) 2-Nitrophenol | 7.72 | 139 | 95449 | 39.996 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.76 | 122 | 147648 | 39.015 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93 | 227816 | 37.120 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.97 | 162 | 132942 | 33.526 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.05 | 180 | 154097 | 35.970 | ng | | 97 |
| 31) Naphthalene | 8.13 | 128 | 554626 | 39.012 | ng | | 99 |
| 32) Benzoic acid | 7.90 | 122 | 77308 | 29.931 | ng | | 94 |
| 33) 4-Chloroaniline | 8.17 | 127 | 244187 | 38.726 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.25 | 225 | 102619 | 42.220 | ng | | 97 |
| 35) Caprolactam | 8.55 | 113 | 47905 | 35.692 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 8.66 | 107 | 168589 | 36.462 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.82 | 142 | 350399 | 36.601 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.91 | 142 | 311339 | 34.723 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216 | 146068 | 35.641 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.97 | 237 | 50700 | 33.088 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.09 | 196 | 106141 | 38.163 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.14 | 196 | 111698 | 37.589 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.27 | 154 | 488989 | 39.278 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.30 | 162 | 387513 | 39.441 | ng | | 99 |
| 48) 2-Nitroaniline | 9.40 | 65 | 127554 | 40.475 | ng | | 91 |
| 49) Acenaphthylene | 9.72 | 152 | 559222 | 37.994 | ng | | 100 |
| 50) Dimethylphthalate | 9.57 | 163 | 436359 | 38.830 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.64 | 165 | 88555 | 38.692 | ng | # | 83 |
| 52) Acenaphthene | 9.89 | 154 | 318055 | 36.453 | ng | | 99 |
| 53) 3-Nitroaniline | 9.82 | 138 | 107390 | 37.189 | ng | | 94 |
| 54) 2,4-Dinitrophenol | 9.93 | 184 | 28419 | 34.628 | ng | | 90 |
| 55) Dibenzofuran | 10.06 | 168 | 487373 | 37.860 | ng | | 97 |
| 56) 4-Nitrophenol | 9.98 | 139 | 69233 | 36.992 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.05 | 165 | 117962 | 39.706 | ng | | 92 |
| 58) Fluorene | 10.40 | 166 | 410721 | 39.608 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.18 | 232 | 86923m | 38.225 | ng | | |
| 60) Diethylphthalate | 10.27 | 149 | 449951 | 40.698 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204 | 185625 | 41.373 | ng | | 96 |
| 62) 4-Nitroaniline | 10.43 | 138 | 104685 | 34.859 | ng | | 94 |
| 63) Azobenzene | 10.55 | 77 | 424436 | 37.588 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.46 | 198 | 39531 | 38.742 | ng | # | 71 |
| 66) n-Nitrosodiphenylamine | 10.51 | 169 | 317908 | 39.456 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.87 | 248 | 94746 | 39.766 | ng | | 89 |
| 68) Hexachlorobenzene | 10.95 | 284 | 101826 | 39.074 | ng | # | 93 |
| 69) Atrazine | 11.03 | 200 | 78449 | 37.384 | ng | | 99 |
| 70) Pentachlorophenol | 11.15 | 266 | 53315 | 43.646 | ng | | 96 |
| 71) Phenanthrene | 11.36 | 178 | 517923 | 39.084 | ng | | 99 |
| 72) Anthracene | 11.41 | 178 | 510486 | 37.733 | ng | | 98 |
| 73) Carbazole | 11.56 | 167 | 493954 | 38.465 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.89 | 149 | 707062 | 46.278 | ng | | 99 |
| 75) Fluoranthene | 12.55 | 202 | 637147 | 46.794 | ng | | 99 |
| 77) Benzidine | 12.66 | 184 | 219794 | 32.824 | ng | | 99 |
| 78) Pyrene | 12.77 | 202 | 638467 | 36.605 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.38 | 149 | 348818 | 42.324 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.96 | 228 | 520836 | 37.502 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.92 | 252 | 169929 | 37.970 | ng | | 99 |
| 83) Chrysene | 14.00 | 228 | 498471 | 36.800 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.94 | 149 | 495719 | 46.650 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.55 | 149 | 786050 | 46.998 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.86 | 276 | 302606m | 30.621 | ng | | |
| 88) Benzo(b)fluoranthene | 15.00 | 252 | 377136 | 38.870 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.03 | 252 | 377215 | 41.043 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.36 | 252 | 329316 | 38.679 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.87 | 278 | 250849 | 36.985 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.30 | 276 | 233936 | 34.612 | ng | | 97 |

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

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