Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116060.D
Acq On : 8 Aug 2019 11:13
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 08 11:38:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 15:31:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.84 | 152 | 157976 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.12 | 136 | 649848 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.87 | 164 | 345262 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 11.36 | 188 | 602622 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 14.00 | 240 | 431615 | 20.00 | ng | | -0.02 |
| 87) Perylene-d12 | 15.47 | 264 | 407659 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 743931 | 78.83 | ng | | 0.00 |
| 7) Phenol-d6 | 6.48 | 99 | 954798 | 80.19 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.41 | 82 | 883221 | 78.45 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 266219 | 79.53 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 9.20 | 172 | 1446814 | 78.49 | ng | | -0.02 |
| 79) Terphenyl-d14 | 12.94 | 244 | 1628309 | 79.49 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.60 | 88 | 173590 | 36.413 | ng | | 99 |
| 3) Pyridine | 3.36 | 79 | 491086 | 36.876 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.31 | 42 | 199569 | 37.974 | ng | | 96 |
| 6) Aniline | 6.50 | 93 | 684068 | 40.119 | ng | | 94 |
| 8) 2-Chlorophenol | 6.63 | 128 | 423573 | 40.591 | ng | | 96 |
| 9) Benzaldehyde | 6.39 | 77 | 308216 | 37.519 | ng | | 97 |
| 10) Phenol | 6.49 | 94 | 554562 | 39.553 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 6.57 | 93 | 419604 | 40.706 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.78 | 146 | 481280 | 39.908 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.86 | 146 | 486312 | 40.274 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 7.02 | 146 | 450791 | 40.544 | ng | | 99 |
| 15) Benzyl Alcohol | 6.99 | 79 | 359998 | 39.843 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 566263 | 40.274 | ng | | 93 |
| 17) 2-Methylphenol | 7.10 | 107 | 361713 | 40.937 | ng | | 98 |
| 18) Hexachloroethane | 7.35 | 117 | 180047 | 40.499 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70 | 293473 | 39.777 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.25 | 107 | 423860 | 40.537 | ng | # | 85 |
| 22) Acetophenone | 7.25 | 105 | 566153 | 39.724 | ng | | 97 |
| 24) Nitrobenzene | 7.43 | 77 | 476719 | 39.217 | ng | | 96 |
| 25) Isophorone | 7.66 | 82 | 864275 | 40.148 | ng | | 100 |
| 26) 2-Nitrophenol | 7.74 | 139 | 234253 | 40.881 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.78 | 122 | 342454 | 39.724 | ng | | 100 |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93 | 541962 | 40.618 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.99 | 162 | 371600 | 40.824 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 420486 | 40.525 | ng | | 97 |
| 31) Naphthalene | 8.15 | 128 | 1229123 | 40.193 | ng | | 100 |
| 32) Benzoic acid | 7.93 | 122 | 236815 | 38.963 | ng | | 98 |
| 33) 4-Chloroaniline | 8.19 | 127 | 560210 | 41.000 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.26 | 225 | 241005 | 40.325 | ng | | 99 |
| 35) Caprolactam | 8.58 | 113 | 117747 | 39.996 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 8.68 | 107 | 380175 | 40.147 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.83 | 142 | 797811 | 39.613 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.93 | 142 | 753399 | 39.542 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 375146 | 40.643 | ng | | 99 |

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Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 08 11:38:24 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.99 | 237 | 127303 | 34.370 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.12 | 196 | 250400 | 39.413 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.16 | 196 | 255591 | 38.918 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.30 | 154 | 966979 | 39.670 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.33 | 162 | 807912 | 39.823 | ng | | 99 |
| 48) 2-Nitroaniline | 9.42 | 65 | 266246 | 39.704 | ng | | 91 |
| 49) Acenaphthylene | 9.74 | 152 | 1169488 | 39.513 | ng | | 100 |
| 50) Dimethylphthalate | 9.60 | 163 | 955577 | 40.648 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.66 | 165 | 207357 | 40.588 | ng | | 91 |
| 52) Acenaphthene | 9.91 | 154 | 710304 | 39.119 | ng | | 99 |
| 53) 3-Nitroaniline | 9.84 | 138 | 252463 | 39.994 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 9.95 | 184 | 84759 | 37.247 | ng | | 95 |
| 55) Dibenzofuran | 10.08 | 168 | 1026844 | 38.887 | ng | | 96 |
| 56) 4-Nitrophenol | 10.00 | 139 | 134495 | 33.259 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.07 | 165 | 264172 | 38.838 | ng | | 95 |
| 58) Fluorene | 10.43 | 166 | 805187 | 39.633 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.20 | 232 | 215025 | 38.917 | ng | | 99 |
| 60) Diethylphthalate | 10.30 | 149 | 887707 | 40.446 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.41 | 204 | 414594 | 40.294 | ng | | 96 |
| 62) 4-Nitroaniline | 10.45 | 138 | 259077 | 39.713 | ng | | 99 |
| 63) Azobenzene | 10.57 | 77 | 904959 | 40.087 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 134537 | 42.128 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 10.53 | 169 | 715369 | 39.440 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.90 | 248 | 262391 | 40.674 | ng | | 92 |
| 68) Hexachlorobenzene | 10.98 | 284 | 301362 | 40.399 | ng | | 97 |
| 69) Atrazine | 11.06 | 200 | 237629 | 39.823 | ng | | 99 |
| 70) Pentachlorophenol | 11.17 | 266 | 120094 | 33.160 | ng | | 97 |
| 71) Phenanthrene | 11.39 | 178 | 1199238 | 38.927 | ng | | 99 |
| 72) Anthracene | 11.44 | 178 | 1226500 | 39.338 | ng | | 99 |
| 73) Carbazole | 11.59 | 167 | 1135001 | 40.125 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.92 | 149 | 1368565 | 41.475 | ng | | 100 |
| 75) Fluoranthene | 12.57 | 202 | 1264414 | 39.204 | ng | | 98 |
| 77) Benzidine | 12.69 | 184 | 579042 | 39.710 | ng | | 99 |
| 78) Pyrene | 12.80 | 202 | 1301040 | 39.988 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.41 | 149 | 585593 | 42.549 | ng | | 95 |
| 81) Benzo(a)anthracene | 13.99 | 228 | 1138829 | 41.281 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.95 | 252 | 415064 | 43.306 | ng | # | 99 |
| 83) Chrysene | 14.03 | 228 | 1086829 | 40.579 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.97 | 149 | 798807 | 44.664 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.59 | 149 | 1243739 | 43.782 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.95 | 276 | 808854 | 35.957 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.04 | 252 | 1011683 | 42.920 | ng | # | 97 |
| 89) Benzo(k)fluoranthene | 15.07 | 252 | 880594 | 38.356 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.41 | 252 | 850210 | 40.350 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.95 | 278 | 669784 | 36.722 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.39 | 276 | 639615 | 35.708 | ng | | 99 |

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

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Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
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