Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
Data File : BF113975.D
Acq On : 25 Apr 2019 14:13
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
4/29/2019 5:49:42 AM

Quant Time: Apr 25 16:48:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 23 03:32:35 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.90 | 152 | 122030 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.18 | 136 | 483472 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.94 | 164 | 259948 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.42 | 188 | 520184 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.07 | 240 | 435130 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.58 | 264 | 443323 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.52 | 112 | 573855 | 80.43 | ng | | 0.00 |
| 7) Phenol-d6 | 6.53 | 99 | 723847 | 80.86 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.46 | 82 | 668253 | 85.34 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.73 | 330 | 260717 | 82.33 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.26 | 172 | 1341701 | 80.73 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.00 | 244 | 1718721 | 80.98 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.67 | 88 | 127645 | 37.953 | ng | | 97 |
| 3) Pyridine | 3.44 | 79 | 359015 | 39.108 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.39 | 42 | 117999 | 37.549 | ng | | 94 |
| 6) Aniline | 6.56 | 93 | 489422 | 39.817 | ng | | 98 |
| 8) 2-Chlorophenol | 6.69 | 128 | 332255 | 40.789 | ng | | 98 |
| 9) Benzaldehyde | 6.45 | 77 | 200687 | 39.350 | ng | | 95 |
| 10) Phenol | 6.54 | 94 | 428729 | 40.054 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.63 | 93 | 320053 | 39.735 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.84 | 146 | 375513 | 40.703 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.92 | 146 | 379192 | 40.864 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.07 | 146 | 354037 | 41.515 | ng | | 98 |
| 15) Benzyl Alcohol | 7.03 | 79 | 255824 | 42.434 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.17 | 45 | 359697 | 38.255 | ng | | 92 |
| 17) 2-Methylphenol | 7.15 | 107 | 284567 | 39.854 | ng | | 99 |
| 18) Hexachloroethane | 7.42 | 117 | 132910 | 40.860 | ng | | 100 |
| 19) n-Nitroso-di-n-propylamine | 7.31 | 70 | 227297 | 39.210 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.30 | 107 | 339794 | 42.120 | ng | | 90 |
| 22) Acetophenone | 7.30 | 105 | 436822 | 40.601 | ng | # | 94 |
| 24) Nitrobenzene | 7.48 | 77 | 356937 | 41.254 | ng | | 94 |
| 25) Isophorone | 7.72 | 82 | 624901 | 39.003 | ng | | 99 |
| 26) 2-Nitrophenol | 7.79 | 139 | 180750 | 45.793 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.83 | 122 | 243139 | 37.808 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93 | 406507 | 39.816 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.04 | 162 | 303172 | 41.225 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.12 | 180 | 332521 | 40.552 | ng | | 99 |
| 31) Naphthalene | 8.20 | 128 | 948970 | 41.318 | ng | | 99 |
| 32) Benzoic acid | 7.95 | 122 | 186663m | 42.981 | ng | | |
| 33) 4-Chloroaniline | 8.25 | 127 | 394325 | 40.575 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.32 | 225 | 207095 | 40.514 | ng | | 99 |
| 35) Caprolactam | 8.62 | 113 | 93631 | 40.024 | ng | # | 85 |
| 36) 4-Chloro-3-methylphenol | 8.73 | 107 | 296131 | 40.645 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.89 | 142 | 632475 | 40.837 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.99 | 142 | 615948 | 41.205 | ng | | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.06 | 216 | 338067 | 40.037 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.05 | 237 | 168425 | 35.769 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.17 | 196 | 215156 | 40.127 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 9.21 | 196 | 238794 | 39.705 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.36 | 154 | 803536 | 40.464 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.39 | 162 | 646811 | 40.053 | ng | | 99 |
| 48) 2-Nitroaniline | 9.47 | 65 | 182486 | 43.106 | ng | | 86 |
| 49) Acenaphthylene | 9.80 | 152 | 1035827 | 40.972 | ng | | 99 |
| 50) Dimethylphthalate | 9.66 | 163 | 759099 | 40.378 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.72 | 165 | 176865 | 43.851 | ng | | 99 |
| 52) Acenaphthene | 9.97 | 154 | 613998 | 41.095 | ng | | 97 |
| 53) 3-Nitroaniline | 9.88 | 138 | 183326 | 43.255 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.99 | 184 | 73660 | 46.141 | ng | # | 1 |
| 55) Dibenzofuran | 10.15 | 168 | 919603 | 41.090 | ng | | 99 |
| 56) 4-Nitrophenol | 10.04 | 139 | 143307 | 42.705 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 10.12 | 165 | 238048 | 46.760 | ng | | 96 |
| 58) Fluorene | 10.49 | 166 | 699788 | 41.531 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.26 | 232 | 209622 | 39.662 | ng | | 100 |
| 60) Diethylphthalate | 10.35 | 149 | 724118 | 40.561 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.47 | 204 | 367166 | 41.146 | ng | | 100 |
| 62) 4-Nitroaniline | 10.49 | 138 | 185282 | 44.798 | ng | | 99 |
| 63) Azobenzene | 10.63 | 77 | 697691 | 40.323 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.53 | 198 | 103746 | 44.196 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 10.59 | 169 | 620412 | 39.749 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.96 | 248 | 246152 | 39.171 | ng | | 97 |
| 68) Hexachlorobenzene | 11.04 | 284 | 270408 | 39.158 | ng | | 97 |
| 69) Atrazine | 11.12 | 200 | 204791 | 40.334 | ng | | 100 |
| 70) Pentachlorophenol | 11.23 | 266 | 154876 | 39.612 | ng | | 97 |
| 71) Phenanthrene | 11.44 | 178 | 1087288 | 41.591 | ng | | 100 |
| 72) Anthracene | 11.50 | 178 | 1090300 | 41.300 | ng | | 99 |
| 73) Carbazole | 11.64 | 167 | 1005876 | 42.709 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.98 | 149 | 1174515 | 42.394 | ng | | 99 |
| 75) Fluoranthene | 12.63 | 202 | 1190662 | 41.746 | ng | | 99 |
| 77) Benzidine | 12.74 | 184 | 525806 | 40.556 | ng | | 99 |
| 78) Pyrene | 12.86 | 202 | 1213794 | 39.889 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.47 | 149 | 512981 | 42.847 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.06 | 228 | 1142240 | 44.554 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.02 | 252 | 444515 | 47.305 | ng | | 99 |
| 83) Chrysene | 14.10 | 228 | 1107073 | 44.339 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 14.04 | 149 | 704539 | 46.252 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.69 | 149 | 1187760 | 49.817 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 17.08 | 276 | 971627 | 41.083 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.14 | 252 | 1099821 | 39.211 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.17 | 252 | 1011707 | 41.933 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.52 | 252 | 979497 | 40.374 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 17.10 | 278 | 809357 | 35.538 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 17.53 | 276 | 749822 | 32.625 | ng | | 98 |

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

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