Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122419\
Data File : BF118305.D
Acq On : 24 Dec 2019 13:20
Operator : JU
Sample : SSTDICC080
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**
mohammad
12/26/2019 4:03:22 PM

Quant Time: Dec 24 15:59:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 14:40:48 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 147724 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.15 | 136 | 557072 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.90 | 164 | 295593 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.40 | 188 | 542206 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.05 | 240 | 337303 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.53 | 264 | 318014 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 1298085 | 153.91 | ng | | 0.00 |
| 7) Phenol-d6 | 6.50 | 99 | 1610800 | 157.90 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 1527088 | 154.22 | ng | | 0.01 |
| 42) 2,4,6-Tribromophenol | 10.70 | 330 | 566768 | 157.83 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 9.23 | 172 | 2864996 | 147.48 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.99 | 244 | 3146374 | 160.41 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.58 | 88 | 264653 | 74.417 | ng | | 99 |
| 3) Pyridine | 3.35 | 79 | 727783 | 79.319 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.32 | 42 | 297864 | 75.463 | ng | | 98 |
| 6) Aniline | 6.52 | 93 | 1031024 | 79.009 | ng | | 96 |
| 8) 2-Chlorophenol | 6.65 | 128 | 735499 | 77.336 | ng | | 98 |
| 10) Phenol | 6.51 | 94 | 911714 | 78.365 | ng | | 82 |
| 11) bis(2-Chloroethyl)ether | 6.60 | 93 | 649711 | 77.215 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.80 | 146 | 841707 | 75.762 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.87 | 146 | 847749 | 75.779 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.03 | 146 | 799705 | 76.120 | ng | | 99 |
| 15) Benzyl Alcohol | 7.00 | 79 | 617644 | 77.561 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45 | 688619 | 68.065 | ng | | 97 |
| 17) 2-Methylphenol | 7.12 | 107 | 604001 | 79.851 | ng | | 98 |
| 18) Hexachloroethane | 7.37 | 117 | 320029 | 77.636 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70 | 501546 | 80.907 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 741950 | 78.091 | ng | | 93 |
| 22) Acetophenone | 7.27 | 105 | 1041786 | 77.841 | ng | # | 92 |
| 24) Nitrobenzene | 7.45 | 77 | 757208 | 77.832 | ng | | 95 |
| 25) Isophorone | 7.69 | 82 | 1328302 | 79.131 | ng | | 98 |
| 26) 2-Nitrophenol | 7.76 | 139 | 417687 | 80.326 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 550422 | 79.356 | ng | | 100 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 853781 | 77.838 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.00 | 162 | 633273 | 78.318 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 728991 | 77.145 | ng | | 99 |
| 31) Naphthalene | 8.17 | 128 | 2138516 | 76.437 | ng | | 100 |
| 32) Benzoic acid | 7.97 | 122 | 507897 | 81.100 | ng | | 99 |
| 33) 4-Chloroaniline | 8.22 | 127 | 931377 | 77.099 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.28 | 225 | 436076 | 76.957 | ng | | 99 |
| 35) Caprolactam | 8.62 | 113 | 198329m | 79.535 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.71 | 107 | 673734 | 79.177 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 1471384 | 77.683 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.96 | 142 | 1390531 | 78.188 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 687484 | 76.774 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 9.01 | 237 | 304725 | 75.952 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,6-Trichlorophenol | 9.14 | 196 | 472266 | 78.990 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 9.19 | 196 | 483190 | 78.006 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.33 | 154 | 1781765 | 76.428 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.35 | 162 | 1446379 | 77.127 | ng | | 98 |
| 48) 2-Nitroaniline | 9.45 | 65 | 422924 | 79.082 | ng | | 98 |
| 49) Acenaphthylene | 9.77 | 152 | 2107271 | 76.186 | ng | | 98 |
| 50) Dimethylphthalate | 9.63 | 163 | 1721646 | 78.853 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.70 | 165 | 371465 | 78.242 | ng | | 95 |
| 52) Acenaphthene | 9.95 | 154 | 1304380 | 77.262 | ng | | 99 |
| 53) 3-Nitroaniline | 9.87 | 138 | 439923 | 78.737 | ng | | 90 |
| 54) 2,4-Dinitrophenol | 9.98 | 184 | 198840 | 84.183 | ng | | 94 |
| 55) Dibenzofuran | 10.12 | 168 | 1857511 | 75.088 | ng | | 96 |
| 56) 4-Nitrophenol | 10.03 | 139 | 290266 | 74.860 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.10 | 165 | 496461 | 78.346 | ng | # | 84 |
| 58) Fluorene | 10.46 | 166 | 1539807 | 78.326 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.23 | 232 | 404681 | 79.188 | ng | | 97 |
| 60) Diethylphthalate | 10.33 | 149 | 1674855 | 77.858 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.45 | 204 | 768856 | 77.729 | ng | | 99 |
| 62) 4-Nitroaniline | 10.49 | 138 | 453905 | 77.894 | ng | | 99 |
| 63) Azobenzene | 10.61 | 77 | 1418905 | 77.266 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 253440 | 84.639 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.57 | 169 | 1351238 | 79.803 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.94 | 248 | 493623 | 79.753 | ng | | 97 |
| 68) Hexachlorobenzene | 11.01 | 284 | 577324 | 79.248 | ng | | 99 |
| 69) Atrazine | 11.10 | 200 | 394535 | 91.887 | ng | | 97 |
| 70) Pentachlorophenol | 11.20 | 266 | 275881 | 80.527 | ng | | 97 |
| 71) Phenanthrene | 11.43 | 178 | 2214862 | 76.843 | ng | | 98 |
| 72) Anthracene | 11.48 | 178 | 2220350 | 77.221 | ng | | 99 |
| 73) Carbazole | 11.63 | 167 | 1960669 | 76.001 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.96 | 149 | 2489173 | 77.097 | ng | | 99 |
| 75) Fluoranthene | 12.62 | 202 | 2193602 | 74.438 | ng | | 99 |
| 78) Pyrene | 12.85 | 202 | 2185687 | 82.227 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.46 | 149 | 1005665 | 83.540 | ng | | 95 |
| 81) Benzo(a)anthracene | 14.04 | 228 | 1821366 | 78.092 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.00 | 252 | 570021 | 74.416 | ng | | 99 |
| 83) Chrysene | 14.08 | 228 | 1718864 | 77.151 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 14.02 | 149 | 1277632 | 80.488 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.63 | 149 | 1849683 | 76.924 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 17.05 | 276 | 1643302 | 87.662 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.10 | 252 | 1567852 | 74.545 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.13 | 252 | 1539147 | 76.176 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.48 | 252 | 1432874 | 77.137 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 17.06 | 278 | 1361375 | 85.447 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.50 | 276 | 1338056 | 87.397 | ng | | 99 |

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

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