Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118340.D
Acq On : 27 Dec 2019 16:17
Operator : JU
Sample : K6439-01MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** LIED-BF001-01MSD

**Manual Integrations APPROVED**
mohammad
12/29/2019 5:27:41 PM

Quant Time: Dec 28 01:31:12 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 15:58:52 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 156945 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.14 | 136 | 623815 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.90 | 164 | 340161 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.40 | 188 | 651709 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.05 | 240 | 452276 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.54 | 264 | 449463 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.48 | 112 | 1115874 | 121.37 | ng | | 0.02 |
| 7) Phenol-d6 | 6.50 | 99 | 1427780 | 125.18 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 851335 | 78.06 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.70 | 330 | 514098 | 122.38 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 9.22 | 172 | 1785273 | 80.11 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.99 | 244 | 2251886 | 82.60 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.64 | 88 | 130831 | 35.795 | ng | | 99 |
| 3) Pyridine | 3.40 | 79 | 318952 | 32.753 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.35 | 42 | 159546 | 39.627 | ng | | 100 |
| 6) Aniline | 6.52 | 93 | 432207 | 29.842 | ng | | 89 |
| 8) 2-Chlorophenol | 6.65 | 128 | 439653 | 42.221 | ng | | 99 |
| 9) Benzaldehyde | 6.40 | 77 | 244813 | 36.610 | ng | | 98 |
| 10) Phenol | 6.51 | 94 | 533335 | 41.603 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 378072 | 41.238 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.79 | 146 | 473190 | 39.456 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.87 | 146 | 476690 | 39.133 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.02 | 146 | 454273 | 39.500 | ng | | 99 |
| 15) Benzyl Alcohol | 7.00 | 79 | 361109 | 41.582 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45 | 389956 | 39.860 | ng | | 93 |
| 17) 2-Methylphenol | 7.12 | 107 | 348640 | 41.743 | ng | | 95 |
| 18) Hexachloroethane | 7.36 | 117 | 175193 | 39.187 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 288214 | 41.019 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 448301 | 41.939 | ng | | 91 |
| 22) Acetophenone | 7.26 | 105 | 585900 | 38.322 | ng | # | 94 |
| 24) Nitrobenzene | 7.44 | 77 | 426743 | 39.059 | ng | | 97 |
| 25) Isophorone | 7.68 | 82 | 797318 | 41.946 | ng | | 100 |
| 26) 2-Nitrophenol | 7.76 | 139 | 248754 | 42.985 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.79 | 122 | 387806 | 49.116 | ng | | 100 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 493483 | 39.697 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.00 | 162 | 379397 | 41.747 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.08 | 180 | 411795 | 38.898 | ng | | 98 |
| 31) Naphthalene | 8.16 | 128 | 1281168 | 40.407 | ng | | 100 |
| 32) Benzoic acid | 7.94 | 122 | 230052 | 36.100 | ng | | 94 |
| 33) 4-Chloroaniline | 8.21 | 127 | 219095 | 16.119 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.27 | 225 | 240588 | 38.178 | ng | | 99 |
| 35) Caprolactam | 8.59 | 113 | 120633m | 42.517 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.71 | 107 | 402360 | 41.237 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 891997 | 41.091 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.96 | 142 | 831672 | 40.664 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 391091 | 38.266 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.01 | 237 | 308305 | 72.579 ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.14 | 196 | 271755 | 39.801 ng | 99 |
| 44) 2,4,5-Trichlorophenol | 9.19 | 196 | 285085 | 40.588 ng | 99 |
| 46) 1,1'-Biphenyl | 9.32 | 154 | 1066358 | 39.635 ng | 99 |
| 47) 2-Chloronaphthalene | 9.35 | 162 | 832444 | 38.443 ng | 97 |
| 48) 2-Nitroaniline | 9.45 | 65 | 233080 | 38.108 ng | 90 |
| 49) Acenaphthylene | 9.77 | 152 | 1330642 | 41.434 ng | 100 |
| 50) Dimethylphthalate | 9.62 | 163 | 1147657 | 44.947 ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.69 | 165 | 225457 | 40.956 ng | 93 |
| 52) Acenaphthene | 9.94 | 154 | 765056 | 39.110 ng | 99 |
| 53) 3-Nitroaniline | 9.86 | 138 | 136563 | 21.136 ng | 98 |
| 54) 2,4-Dinitrophenol | 9.98 | 184 | 190161 | 69.256 ng | 94 |
| 55) Dibenzofuran | 10.11 | 168 | 1164609 | 40.292 ng | 96 |
| 56) 4-Nitrophenol | 10.04 | 139 | 333943 | 83.723 ng | 91 |
| 57) 2,4-Dinitrotoluene | 10.10 | 165 | 304132 | 41.346 ng | 92 |
| 58) Fluorene | 10.46 | 166 | 937149 | 40.164 ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.23 | 232 | 237948 | 39.870 ng | 99 |
| 60) Diethylphthalate | 10.33 | 149 | 1036725 | 41.041 ng | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.45 | 204 | 470876 | 40.426 ng | 95 |
| 62) 4-Nitroaniline | 10.49 | 138 | 242429 | 36.118 ng | 95 |
| 63) Azobenzene | 10.60 | 77 | 894111 | 41.323 ng | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 148458 | 42.227 ng | 94 |
| 66) n-Nitrosodiphenylamine | 10.57 | 169 | 840821 | 40.255 ng | 98 |
| 67) 4-Bromophenyl-phenylether | 10.93 | 248 | 297636 | 39.025 ng | 93 |
| 68) Hexachlorobenzene | 11.01 | 284 | 341074 | 37.992 ng | 94 |
| 69) Atrazine | 11.10 | 200 | 294040 | 45.613 ng | 96 |
| 70) Pentachlorophenol | 11.21 | 266 | 306085 | 78.726 ng | 99 |
| 71) Phenanthrene | 11.42 | 178 | 1403978 | 39.518 ng | 100 |
| 72) Anthracene | 11.47 | 178 | 1472761 | 41.415 ng | 100 |
| 73) Carbazole | 11.63 | 167 | 1267265 | 40.161 ng | 98 |
| 74) Di-n-butylphthalate | 11.95 | 149 | 1701362 | 42.523 ng | 99 |
| 75) Fluoranthene | 12.62 | 202 | 1459132 | 40.695 ng | 96 |
| 77) Benzidine | 12.74 | 184 | 858987 | 69.314 ng | 98 |
| 78) Pyrene | 12.85 | 202 | 1453611 | 39.358 ng | 99 |
| 80) Butylbenzylphthalate | 13.46 | 149 | 712655 | 42.855 ng | 95 |
| 81) Benzo(a)anthracene | 14.04 | 228 | 1259472 | 39.784 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.00 | 252 | 334465 | 31.160 ng | 98 |
| 83) Chrysene | 14.08 | 228 | 1199810 | 39.580 ng | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 14.02 | 149 | 1047734 | 47.915 ng | 99 |
| 85) Di-n-octyl phthalate | 14.63 | 149 | 1655431 | 51.467 ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 17.07 | 276 | 1211661 | 46.911 ng | 100 |
| 88) Benzo(b)fluoranthene | 15.10 | 252 | 1114227 | 37.346 ng | 99 |
| 89) Benzo(k)fluoranthene | 15.13 | 252 | 1140120 | 39.799 ng | 99 |
| 90) Benzo(a)pyrene | 15.48 | 252 | 998324 | 37.984 ng | 98 |
| 91) Dibenzo(a,h)anthracene | 17.07 | 278 | 1024248 | 44.908 ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.52 | 276 | 1001199 | 45.443 ng | 98 |

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

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