Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122718\
Data File : BF111777.D
Acq On : 27 Dec 2018 21:55
Operator : JU/SJ
Sample : J6188-06MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
BU-03-122118MSD

**Manual Integrations APPROVED**
Sohil
12/28/2018 10:37:31 AM

Quant Time: Dec 28 07:31:00 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 19 17:39:39 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.91 | 152 | 132844 | 20.00 | ng | | 0.01 |
| 21) Naphthalene-d8 | 8.19 | 136 | 454841 | 20.00 | ng | | 0.01 |
| 39) Acenaphthene-d10 | 9.95 | 164 | 204301 | 20.00 | ng | | 0.01 |
| 64) Phenanthrene-d10 | 11.43 | 188 | 369721 | 20.00 | ng | | 0.02 |
| 76) Chrysene-d12 | 14.07 | 240 | 289424 | 20.00 | ng | | 0.02 |
| 87) Perylene-d12 | 15.56 | 264 | 226230 | 20.00 | ng | | 0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 833945 | 107.00 | ng | | 0.04 |
| 7) Phenol-d6 | 6.56 | 99 | 937576 | 94.53 | ng | | 0.04 |
| 23) Nitrobenzene-d5 | 7.47 | 82 | 748435 | 95.78 | ng | | 0.01 |
| 42) 2,4,6-Tribromophenol | 10.74 | 330 | 302999 | 125.52 | ng | | 0.02 |
| 45) 2-Fluorobiphenyl | 9.26 | 172 | 1315834 | 93.88 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.02 | 244 | 1375784 | 90.15 | ng | | 0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.86 | 88 | 117307 | 31.992 | ng | # | 84 |
| 3) Pyridine | 3.58 | 79 | 260777 | 27.298 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.51 | 42 | 196274 | 41.982 | ng | | 81 |
| 6) Aniline | 6.57 | 93 | 59554 | 4.710 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.70 | 128 | 336924 | 39.026 | ng | | 97 |
| 9) Benzaldehyde | 6.46 | 77 | 200223 | 29.352 | ng | | 97 |
| 10) Phenol | 6.57 | 94 | 327404 | 29.256 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.64 | 93 | 334692 | 39.910 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.85 | 146 | 394672 | 39.447 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.93 | 146 | 399193 | 39.342 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.08 | 146 | 376002 | 39.718 | ng | | 98 |
| 15) Benzyl Alcohol | 7.05 | 79 | 289098 | 36.700 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.18 | 45 | 552423 | 35.767 | ng | | 75 |
| 17) 2-Methylphenol | 7.17 | 107 | 253005 | 36.599 | ng | # | 83 |
| 18) Hexachloroethane | 7.42 | 117 | 116953 | 34.204 | ng | # | 86 |
| 19) n-Nitroso-di-n-propylamine | 7.32 | 70 | 258493 | 39.243 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.32 | 107 | 325377 | 37.250 | ng | # | 72 |
| 22) Acetophenone | 7.31 | 105 | 482332 | 41.859 | ng | # | 90 |
| 24) Nitrobenzene | 7.49 | 77 | 373441 | 45.598 | ng | | 100 |
| 25) Isophorone | 7.73 | 82 | 652066 | 47.005 | ng | | 98 |
| 26) 2-Nitrophenol | 7.80 | 139 | 157325 | 47.365 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.85 | 122 | 277445 | 42.373 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 7.93 | 93 | 406834 | 44.071 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.05 | 162 | 280229 | 39.790 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.13 | 180 | 324640 | 41.366 | ng | | 96 |
| 31) Naphthalene | 8.22 | 128 | 971190 | 44.439 | ng | | 97 |
| 32) Benzoic acid | 7.95 | 122 | 123864m | 28.611 | ng | | |
| 33) 4-Chloroaniline | 8.26 | 127 | 41728 | 4.418 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.33 | 225 | 201791 | 42.188 | ng | | 98 |
| 35) Caprolactam | 8.61 | 113 | 55332 | 23.186 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 8.75 | 107 | 256461 | 37.045 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.90 | 142 | 638943 | 44.937 | ng | | 97 |
| 38) 1-Methylnaphthalene | 9.00 | 142 | 600062 | 43.942 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.07 | 216 | 305999 | 45.581 | ng | # | 98 |

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|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.06 | 237 | 105417 | 32.359 ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.19 | 196 | 189484 | 42.275 ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.23 | 196 | 193496 | 42.081 ng | | 95 |
| 46) 1,1'-Biphenyl | 9.36 | 154 | 769390 | 44.612 ng | | 94 |
| 47) 2-Chloronaphthalene | 9.39 | 162 | 588340 | 43.058 ng | | 94 |
| 48) 2-Nitroaniline | 9.48 | 65 | 182991 | 51.479 ng | | 97 |
| 49) Acenaphthylene | 9.81 | 152 | 913656 | 45.797 ng | | 94 |
| 50) Dimethylphthalate | 9.66 | 163 | 702141 | 46.998 ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.72 | 165 | 138259 | 46.411 ng | | 97 |
| 52) Acenaphthene | 9.98 | 154 | 536124 | 43.571 ng | | 98 |
| 53) 3-Nitroaniline | 9.89 | 138 | 76439 | 24.059 ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.99 | 184 | 21413 | 27.659 ng | # | 73 |
| 55) Dibenzofuran | 10.15 | 168 | 802315 | 43.160 ng | | 95 |
| 56) 4-Nitrophenol | 10.07 | 139 | 162505 | 67.023 ng | | 93 |
| 57) 2,4-Dinitrotoluene | 10.12 | 165 | 176801 | 49.381 ng | # | 94 |
| 58) Fluorene | 10.49 | 166 | 615127 | 45.921 ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.27 | 232 | 162104 | 41.891 ng | | 89 |
| 60) Diethylphthalate | 10.36 | 149 | 668439 | 45.611 ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.48 | 204 | 316111 | 42.713 ng | | 97 |
| 62) 4-Nitroaniline | 10.50 | 138 | 144261 | 46.718 ng | | 89 |
| 63) Azobenzene | 10.65 | 77 | 605310 | 41.142 ng | | 94 |
| 65) 4,6-Dinitro-2-methylphenol | 10.53 | 198 | 18284 | 16.990 ng | | 80 |
| 66) n-Nitrosodiphenylamine | 10.60 | 169 | 534739 | 43.087 ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.97 | 248 | 193633 | 42.225 ng | | 91 |
| 68) Hexachlorobenzene | 11.05 | 284 | 218694 | 42.772 ng | | 98 |
| 69) Atrazine | 11.13 | 200 | 172512 | 40.011 ng | | 96 |
| 70) Pentachlorophenol | 11.24 | 266 | 163376 | 51.686 ng | | 95 |
| 71) Phenanthrene | 11.46 | 178 | 897014 | 45.748 ng | | 95 |
| 72) Anthracene | 11.51 | 178 | 922215 | 46.858 ng | | 95 |
| 73) Carbazole | 11.66 | 167 | 792264 | 41.463 ng | | 95 |
| 74) Di-n-butylphthalate | 11.99 | 149 | 995281 | 46.457 ng | | 96 |
| 75) Fluoranthene | 12.64 | 202 | 944045 | 47.546 ng | | 95 |
| 77) Benzidine | 12.76 | 184 | 130427 | 11.976 ng | # | 95 |
| 78) Pyrene | 12.87 | 202 | 953969 | 46.675 ng | | 96 |
| 80) Butylbenzylphthalate | 13.49 | 149 | 410610 | 49.286 ng | | 88 |
| 81) Benzo(a)anthracene | 14.06 | 228 | 785671 | 47.566 ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.02 | 252 | 83936 | 12.862 ng | | 97 |
| 83) Chrysene | 14.10 | 228 | 731000 | 45.029 ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 14.04 | 149 | 572142 | 54.520 ng | # | 98 |
| 85) Di-n-octyl phthalate | 14.66 | 149 | 901483 | 55.445 ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 17.07 | 276 | 571677 | 41.424 ng | # | 86 |
| 88) Benzo(b)fluoranthene | 15.12 | 252 | 665390 | 50.325 ng | # | 96 |
| 89) Benzo(k)fluoranthene | 15.15 | 252 | 560536 | 44.531 ng | # | 97 |
| 90) Benzo(a)pyrene | 15.50 | 252 | 568660 | 47.341 ng | # | 93 |
| 91) Dibenzo(a,h)anthracene | 17.08 | 278 | 489018 | 46.490 ng | # | 90 |
| 92) Benzo(g,h,i)perylene | 17.52 | 276 | 468567 | 45.620 ng | # | 88 |

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

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