Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
Data File : BF117981.D
Acq On : 25 Nov 2019 22:23
Operator : JU
Sample : K5999-05MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
IDLEWILD-BH-05MS

**Manual Integrations APPROVED**
mohammad
11/26/2019 12:49:12 PM

Quant Time: Nov 26 05:56:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 05:38:20 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.89 | 152 | 167172 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.18 | 136 | 680615 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.95 | 164 | 383470 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.43 | 188 | 723978 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.09 | 240 | 473889 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.58 | 264 | 421241 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.52 | 112 | 819099 | 86.73 | ng | | 0.02 |
| 7) Phenol-d6 | 6.52 | 99 | 1085047 | 95.25 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.46 | 82 | 673493 | 58.82 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.74 | 330 | 368724 | 90.82 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.26 | 172 | 1122735 | 52.53 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.02 | 244 | 1156660 | 44.61 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.77 | 88 | 145372 | 32.930 | ng | | 96 |
| 3) Pyridine | 3.52 | 79 | 371848 | 32.111 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.47 | 42 | 190906 | 37.766 | ng | | 97 |
| 6) Aniline | 6.55 | 93 | 417707 | 27.749 | ng | | 100 |
| 8) 2-Chlorophenol | 6.68 | 128 | 458157 | 44.708 | ng | | 96 |
| 9) Benzaldehyde | 6.44 | 77 | 208079 | 25.125 | ng | | 97 |
| 10) Phenol | 6.53 | 94 | 541483m | 45.745 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.63 | 93 | 399202 | 41.996 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.83 | 146 | 496751 | 41.174 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.91 | 146 | 507791 | 41.639 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.06 | 146 | 484239 | 41.519 | ng | | 99 |
| 15) Benzyl Alcohol | 7.03 | 79 | 406162 | 46.183 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45 | 505424 | 34.535 | ng | | 96 |
| 17) 2-Methylphenol | 7.15 | 107 | 384812 | 44.342 | ng | | 99 |
| 18) Hexachloroethane | 7.40 | 117 | 184115 | 41.098 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 7.31 | 70 | 308577 | 43.910 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.30 | 107 | 476502 | 44.232 | ng | # | 73 |
| 22) Acetophenone | 7.30 | 105 | 631548 | 41.301 | ng | # | 98 |
| 24) Nitrobenzene | 7.47 | 77 | 484396 | 41.011 | ng | | 99 |
| 25) Isophorone | 7.72 | 82 | 884089 | 42.130 | ng | | 97 |
| 26) 2-Nitrophenol | 7.79 | 139 | 263995 | 45.920 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.83 | 122 | 443809 | 49.680 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93 | 529173 | 39.738 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.03 | 162 | 417482 | 43.084 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.12 | 180 | 449741 | 40.013 | ng | | 99 |
| 31) Naphthalene | 8.20 | 128 | 1397453 | 44.043 | ng | | 98 |
| 32) Benzoic acid | 7.96 | 122 | 286799 | 38.343 | ng | | 99 |
| 33) 4-Chloroaniline | 8.25 | 127 | 192081 | 13.522 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.32 | 225 | 261851 | 39.846 | ng | | 99 |
| 35) Caprolactam | 8.63 | 113 | 122023m | 39.622 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.73 | 107 | 447111 | 45.465 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.90 | 142 | 967171 | 45.113 | ng | | 98 |
| 38) 1-Methylnaphthalene | 9.00 | 142 | 917496 | 45.268 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.06 | 216 | 419900 | 37.705 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.05 | 237 | 542901 | 86.992 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.17 | 196 | 320424 | 40.171 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.22 | 196 | 325410 | 39.292 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.36 | 154 | 1182280 | 41.557 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.39 | 162 | 898829 | 38.404 | ng | | 97 |
| 48) 2-Nitroaniline | 9.48 | 65 | 267409 | 37.845 | ng | | 97 |
| 49) Acenaphthylene | 9.80 | 152 | 1459895 | 42.784 | ng | | 100 |
| 50) Dimethylphthalate | 9.67 | 163 | 1308596 | 48.664 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.73 | 165 | 248028 | 42.203 | ng | | 92 |
| 52) Acenaphthene | 9.98 | 154 | 859850 | 39.337 | ng | | 99 |
| 53) 3-Nitroaniline | 9.89 | 138 | 134482 | 19.123 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 10.00 | 184 | 239580 | 79.398 | ng | # | 87 |
| 55) Dibenzofuran | 10.15 | 168 | 1278119 | 42.225 | ng | | 98 |
| 56) 4-Nitrophenol | 10.06 | 139 | 416633 | 79.372 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 10.13 | 165 | 331185 | 44.300 | ng | | 98 |
| 58) Fluorene | 10.50 | 166 | 983809 | 41.942 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.27 | 232 | 275807 | 40.531 | ng | | 96 |
| 60) Diethylphthalate | 10.37 | 149 | 1122761 | 42.826 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.49 | 204 | 491914 | 41.324 | ng | | 98 |
| 62) 4-Nitroaniline | 10.52 | 138 | 255372 | 36.269 | ng | | 95 |
| 63) Azobenzene | 10.64 | 77 | 989921 | 41.504 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.54 | 198 | 166975 | 49.404 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 10.60 | 169 | 897964 | 42.618 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.97 | 248 | 322522 | 41.287 | ng | | 92 |
| 68) Hexachlorobenzene | 11.04 | 284 | 363997 | 39.961 | ng | | 98 |
| 69) Atrazine | 11.13 | 200 | 318274 | 45.921 | ng | | 98 |
| 70) Pentachlorophenol | 11.24 | 266 | 404828 | 76.072 | ng | | 98 |
| 71) Phenanthrene | 11.46 | 178 | 1476713 | 40.570 | ng | | 99 |
| 72) Anthracene | 11.52 | 178 | 1522247 | 42.180 | ng | | 99 |
| 73) Carbazole | 11.67 | 167 | 1335410 | 42.345 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.99 | 149 | 1732277 | 44.117 | ng | | 100 |
| 75) Fluoranthene | 12.65 | 202 | 1506337 | 45.535 | ng | | 99 |
| 77) Benzidine | 12.77 | 184 | 704367 | 45.377 | ng | | 99 |
| 78) Pyrene | 12.89 | 202 | 1506287 | 39.331 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.50 | 149 | 710191 | 43.176 | ng | | 96 |
| 81) Benzo(a)anthracene | 14.07 | 228 | 1275335 | 40.726 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.03 | 252 | 299781 | 27.368 | ng | | 99 |
| 83) Chrysene | 14.12 | 228 | 1214128 | 40.011 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 14.06 | 149 | 991004 | 49.695 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.67 | 149 | 1583533 | 54.052 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 17.10 | 276 | 977580 | 37.852 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.14 | 252 | 1076537 | 39.335 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.17 | 252 | 1071156 | 41.539 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.52 | 252 | 932583 | 38.751 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.12 | 278 | 816628 | 39.424 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.56 | 276 | 789076 | 38.246 | ng | | 98 |

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

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