Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120920\
Data File : BF122619.D
Acq On : 9 Dec 2020 19:49
Operator : JU/CG
Sample : L4982-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
R-LA-36-5-WCMS

**Manual Integrations APPROVED**
mohammad
12/10/2020 2:43:12 PM

Quant Time: Dec 10 06:56:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 07 12:08:49 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.839 | 152 | 192286 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.122 | 136 | 764628 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.880 | 164 | 414272 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.363 | 188 | 764925 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 14.010 | 240 | 609929 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.462 | 264 | 527125 | 20.00 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.463 | 112 | 1086534 | 89.46 | ng | 0.00 |
| 7) Phenol-d6 | 6.475 | 99 | 1380408 | 85.70 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.404 | 82 | 867880 | 56.87 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.669 | 330 | 414137 | 76.37 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.198 | 172 | 1408905 | 46.00 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.951 | 244 | 1444106 | 41.44 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.651 | 88 | 158019 | 27.68 | ng | 100 |
| 3) Pyridine | 3.398 | 79 | 362127 | 24.00 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.340 | 42 | 193916 | 32.05 | ng | 100 |
| 6) Aniline | 6.498 | 93 | 577433 | 30.45 | ng | 98 |
| 8) 2-Chlorophenol | 6.628 | 128 | 448922 | 33.53 | ng | 95 |
| 9) Benzaldehyde | 6.387 | 77 | 206270 | 21.16 | ng | 99 |
| 10) Phenol | 6.487 | 94 | 620367 | 37.17 | ng | 94 |
| 11) bis(2-Chloroethyl)ether | 6.575 | 93 | 421681 | 33.07 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.781 | 146 | 480999 | 30.37 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.857 | 146 | 485589 | 30.40 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.010 | 146 | 466808 | 30.28 | ng | 99 |
| 15) Benzyl Alcohol | 6.981 | 79 | 372410 | 33.58 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.116 | 45 | 548139 | 30.14 | ng | 98 |
| 17) 2-Methylphenol | 7.092 | 107 | 372776 | 35.03 | ng | 98 |
| 18) Hexachloroethane | 7.351 | 117 | 169779 | 29.83 | ng | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.257 | 70 | 297815 | 32.28 | ng | 98 |
| 20) 3+4-Methylphenols | 7.245 | 107 | 432784 | 32.19 | ng | 96 |
| 22) Acetophenone | 7.251 | 105 | 574953 | 30.24 | ng | 98 |
| 24) Nitrobenzene | 7.422 | 77 | 458972 | 30.23 | ng | 98 |
| 25) Isophorone | 7.663 | 82 | 826618 | 31.45 | ng | 99 |
| 26) 2-Nitrophenol | 7.739 | 139 | 236412 | 31.93 | ng | 95 |
| 27) 2,4-Dimethylphenol | 7.775 | 122 | 389112 | 35.85 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.875 | 93 | 530695 | 29.48 | ng | 99 |
| 29) 2,4-Dichlorophenol | 7.981 | 162 | 387519 | 30.58 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.069 | 180 | 404130 | 28.14 | ng | 98 |
| 31) Naphthalene | 8.145 | 128 | 1274115 | 30.20 | ng | 100 |
| 33) 4-Chloroaniline | 8.192 | 127 | 506150 | 28.70 | ng | 98 |
| 34) Hexachlorobutadiene | 8.263 | 225 | 235669 | 26.66 | ng | 99 |
| 35) Caprolactam | 8.557 | 113 | 106762m | 27.97 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.675 | 107 | 397310 | 31.82 | ng | 97 |
| 37) 2-Methylnaphthalene | 8.839 | 142 | 850319 | 30.47 | ng | 98 |
| 38) 1-Methylnaphthalene | 8.939 | 142 | 790528 | 29.94 | ng | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 9.004 | 216 | 396193 | 28.87 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 8.992 | 237 | 406746 | 67.04 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.116 | 196 | 269111 | 28.40 | ng | 99 |
| 44) 2,4,5-Trichlorophenol | 9.157 | 196 | 292205 | 29.83 | ng | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 9.304 | 154 | 1012038 | 29.44 | ng | 98 |
| 47) 2-Chloronaphthalene | 9.328 | 162 | 810669 | 28.46 | ng | 98 |
| 48) 2-Nitroaniline | 9.422 | 65 | 245431 | 29.55 | ng | 94 |
| 49) Acenaphthylene | 9.739 | 152 | 1269044 | 30.16 | ng | 99 |
| 50) Dimethylphthalate | 9.604 | 163 | 1074459 | 32.48 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.663 | 165 | 223276 | 31.95 | ng | 95 |
| 52) Acenaphthene | 9.916 | 154 | 761548m | 27.98 | ng | |
| 53) 3-Nitroaniline | 9.833 | 138 | 229253 | 28.39 | ng | 98 |
| 54) 2,4-Dinitrophenol | 9.939 | 184 | 41307 | 12.09 | ng | 95 |
| 55) Dibenzofuran | 10.086 | 168 | 1136647 | 29.68 | ng | 99 |
| 56) 4-Nitrophenol | 9.998 | 139 | 310698 | 53.97 | ng | 93 |
| 57) 2,4-Dinitrotoluene | 10.069 | 165 | 290808 | 31.24 | ng | 95 |
| 58) Fluorene | 10.427 | 166 | 879268 | 28.87 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.204 | 232 | 234047 | 27.19 | ng | 99 |
| 60) Diethylphthalate | 10.298 | 149 | 923167 | 28.69 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204 | 422728 | 28.19 | ng | 95 |
| 62) 4-Nitroaniline | 10.445 | 138 | 238314 | 29.08 | ng | 98 |
| 63) Azobenzene | 10.580 | 77 | 876537 | 29.63 | ng | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.475 | 198 | 72535 | 15.55 | ng | 96 |
| 66) n-Nitrosodiphenylamine | 10.539 | 169 | 801568 | 29.66 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.910 | 248 | 291773 | 28.15 | ng | 95 |
| 68) Hexachlorobenzene | 10.980 | 284 | 317863 | 27.74 | ng | 94 |
| 69) Atrazine | 11.063 | 200 | 224123 | 25.53 | ng | 99 |
| 70) Pentachlorophenol | 11.174 | 266 | 226792 | 37.36 | ng | 98 |
| 71) Phenanthrene | 11.392 | 178 | 1318483 | 29.00 | ng | 99 |
| 72) Anthracene | 11.445 | 178 | 1374097 | 30.48 | ng | 99 |
| 73) Carbazole | 11.598 | 167 | 1252455 | 30.64 | ng | 98 |
| 74) Di-n-butylphthalate | 11.927 | 149 | 1412488 | 27.50 | ng | 98 |
| 75) Fluoranthene | 12.580 | 202 | 1395623 | 29.28 | ng | 99 |
| 77) Benzidine | 12.698 | 184 | 370258 | 28.07 | ng | 99 |
| 78) Pyrene | 12.810 | 202 | 1401935 | 29.73 | ng | 100 |
| 80) Butylbenzylphthalate | 13.421 | 149 | 582922 | 27.44 | ng | 97 |
| 81) Benzo(a)anthracene | 13.998 | 228 | 1192005 | 29.24 | ng | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.957 | 252 | 362772 | 24.85 | ng | 99 |
| 83) Chrysene | 14.033 | 228 | 1192045 | 29.39 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149 | 769969 | 26.47 | ng | 98 |
| 85) Di-n-octyl phthalate | 14.598 | 149 | 1244513 | 25.79 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.921 | 276 | 1026003 | 29.65 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.045 | 252 | 1115572 | 30.16 | ng | 98 |
| 89) Benzo(k)fluoranthene | 15.074 | 252 | 1035372 | 30.62 | ng | 99 |
| 90) Benzo(a)pyrene | 15.404 | 252 | 928532 | 28.70 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 16.939 | 278 | 850401 | 30.03 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.362 | 276 | 876011 | 31.96 | ng | 99 |

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

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