Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122220\
Data File : BF122825.D
Acq On : 22 Dec 2020 22:02
Operator : JU/CG
Sample : L5176-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CHRT-26878MSD

**Manual Integrations APPROVED**
mohammad
12/23/2020 3:28:31 PM

Quant Time: Dec 22 23:40:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 15 18:14:23 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.822 | 152 | 164045 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.110 | 136 | 644244 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.869 | 164 | 296022 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.369 | 188 | 410693 | 20.00 | ng | | # 0.02 |
| 76) Chrysene-d12 | 14.004 | 240 | 402338 | 20.00 | ng | | 0.02 |
| 86) Perylene-d12 | 15.457 | 264 | 406466 | 20.00 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.457 | 112 | 1272765 | 122.83 | ng | | 0.02 |
| 7) Phenol-d6 | 6.463 | 99 | 1633496 | 118.87 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.392 | 82 | 1069449 | 83.17 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.669 | 330 | 476535 | 122.98 | ng | | 0.02 |
| 45) 2-Fluorobiphenyl | 9.186 | 172 | 1830587 | 83.64 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.951 | 244 | 1434394 | 62.41 | ng | | 0.02 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.663 | 88 | 182845 | 37.54 | ng | | 99 |
| 3) Pyridine | 3.398 | 79 | 518333 | 40.26 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.357 | 42 | 218539 | 42.33 | ng | | 100 |
| 6) Aniline | 6.487 | 93 | 304398 | 18.82 | ng | # | 90 |
| 8) 2-Chlorophenol | 6.610 | 128 | 545895 | 47.80 | ng | | 97 |
| 9) Benzaldehyde | 6.369 | 77 | 156010 | 18.76 | ng | | 100 |
| 10) Phenol | 6.481 | 94 | 652295 | 45.81 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 504968 | 46.42 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.763 | 146 | 577297 | 42.72 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.839 | 146 | 584946 | 42.93 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.992 | 146 | 561650 | 42.70 | ng | | 99 |
| 15) Benzyl Alcohol | 6.969 | 79 | 447255 | 47.27 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 619313 | 39.92 | ng | | 91 |
| 17) 2-Methylphenol | 7.086 | 107 | 429700 | 47.33 | ng | | 95 |
| 18) Hexachloroethane | 7.334 | 117 | 213916 | 44.05 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.245 | 70 | 351390 | 44.64 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.239 | 107 | 511995 | 44.64 | ng | | 99 |
| 22) Acetophenone | 7.234 | 105 | 683588 | 42.67 | ng | # | 96 |
| 24) Nitrobenzene | 7.410 | 77 | 538374 | 42.09 | ng | | 97 |
| 25) Isophorone | 7.651 | 82 | 1024816 | 46.27 | ng | | 98 |
| 26) 2-Nitrophenol | 7.722 | 139 | 301533 | 48.33 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.763 | 122 | 477271 | 52.19 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.857 | 93 | 643865 | 42.45 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.969 | 162 | 474280 | 44.41 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.051 | 180 | 499334 | 41.27 | ng | | 98 |
| 31) Naphthalene | 8.128 | 128 | 1543208 | 43.41 | ng | | 100 |
| 32) Benzoic acid | 7.916 | 122 | 333919 | 45.83 | ng | | 98 |
| 33) 4-Chloroaniline | 8.175 | 127 | 194249 | 13.07 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 300926 | 40.41 | ng | | 99 |
| 35) Caprolactam | 8.563 | 113 | 147958m | 46.00 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.675 | 107 | 506052 | 48.11 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.822 | 142 | 1041289 | 44.28 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.922 | 142 | 952519 | 42.82 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 8.992 | 216 | 481022 | 49.06 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.975 | 237 | 423373 | 97.66 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.104 | 196 | 330257 | 48.77 | ng | | 100 |

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Quant Time: Dec 22 23:40:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 15 18:14:23 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.151 | 196 | 359211 | 51.32 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.286 | 154 | 1205009 | 49.05 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.316 | 162 | 939511 | 46.16 | ng | | 99 |
| 48) 2-Nitroaniline | 9.410 | 65 | 280574 | 47.28 | ng | | 95 |
| 49) Acenaphthylene | 9.733 | 152 | 1339043 | 44.54 | ng | | 99 |
| 50) Dimethylphthalate | 9.592 | 163 | 1249696 | 52.86 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.657 | 165 | 264211 | 52.92 | ng | | 99 |
| 52) Acenaphthene | 9.904 | 154 | 758396 | 38.99 | ng | | 98 |
| 53) 3-Nitroaniline | 9.822 | 138 | 137589 | 23.85 | ng | # | 98 |
| 54) 2,4-Dinitrophenol | 9.939 | 184 | 235310 | 96.39 | ng | | 94 |
| 55) Dibenzofuran | 10.080 | 168 | 1128472 | 41.24 | ng | | 98 |
| 56) 4-Nitrophenol | 9.998 | 139 | 331899 | 80.68 | ng | # | 69 |
| 57) 2,4-Dinitrotoluene | 10.063 | 165 | 311946 | 46.90 | ng | | 98 |
| 58) Fluorene | 10.427 | 166 | 786944 | 36.16 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.198 | 232 | 233858 | 38.03 | ng | # | 95 |
| 60) Diethylphthalate | 10.298 | 149 | 931620 | 40.51 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 10.416 | 204 | 399005 | 37.24 | ng | | 98 |
| 62) 4-Nitroaniline | 10.445 | 138 | 183306 | 31.30 | ng | | 94 |
| 63) Azobenzene | 10.574 | 77 | 783004 | 37.04 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.480 | 198 | 147508 | 58.90 | ng | # | 83 |
| 66) n-Nitrosodiphenylamine | 10.533 | 169 | 713750 | 49.18 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248 | 254032 | 45.65 | ng | | 96 |
| 68) Hexachlorobenzene | 10.986 | 284 | 292411 | 47.53 | ng | | 96 |
| 69) Atrazine | 11.069 | 200 | 216263 | 45.89 | ng | | 92 |
| 70) Pentachlorophenol | 11.174 | 266 | 290301 | 89.06 | ng | | 100 |
| 71) Phenanthrene | 11.392 | 178 | 1074367 | 44.02 | ng | | 98 |
| 72) Anthracene | 11.445 | 178 | 1098500 | 45.39 | ng | | 99 |
| 73) Carbazole | 11.598 | 167 | 967105 | 44.06 | ng | | 97 |
| 74) Di-n-butylphthalate | 11.921 | 149 | 1192129 | 43.22 | ng | | 98 |
| 75) Fluoranthene | 12.586 | 202 | 1119933 | 43.76 | ng | | 99 |
| 77) Benzidine | 12.698 | 184 | 243007 | 27.92 | ng | # | 88 |
| 78) Pyrene | 12.816 | 202 | 1141968 | 36.71 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.415 | 149 | 548814 | 39.17 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.998 | 228 | 1197016 | 44.52 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.951 | 252 | 148166 | 15.39 | ng | # | 97 |
| 83) Chrysene | 14.033 | 228 | 1173157 | 43.84 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149 | 829082 | 43.21 | ng | # | 99 |
| 85) Di-n-octyl phthalate | 14.580 | 149 | 1383940 | 43.48 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.915 | 276 | 1268999 | 47.56 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.033 | 252 | 1305591 | 45.78 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.068 | 252 | 1120117 | 42.96 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.398 | 252 | 1091296 | 43.74 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.927 | 278 | 1044291 | 47.82 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.351 | 276 | 1058749 | 50.10 | ng | | 98 |

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

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