Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
Data File : BF122049.D
Acq On : 21 Oct 2020 11:59
Operator : JU/CG
Sample : PB132505BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB132505BS

**Manual Integrations APPROVED**
mohammad
10/22/2020 12:59:00 PM

Quant Time: Oct 21 12:29:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 21 12:04:42 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.728 | 152 | 120182 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.010 | 136 | 462534 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.763 | 164 | 243140 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.245 | 188 | 458665 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.886 | 240 | 338673 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.310 | 264 | 288636 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.363 | 112 | 928621 | 114.04 | ng | | 0.02 |
| 7) Phenol-d6 | 6.387 | 99 | 1190223 | 113.55 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.298 | 82 | 707097 | 78.40 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.557 | 330 | 377086 | 125.37 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.086 | 172 | 1240345 | 75.06 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.827 | 244 | 1405719 | 79.10 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.540 | 88 | 158105 | 44.15 | ng | | 98 |
| 3) Pyridine | 3.257 | 79 | 428434 | 45.50 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.222 | 42 | 214698 | 47.17 | ng | | 95 |
| 6) Aniline | 6.398 | 93 | 389845 | 30.20 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.522 | 128 | 380949 | 46.29 | ng | | 97 |
| 9) Benzaldehyde | 6.281 | 77 | 180766 | 28.30 | ng | | 100 |
| 10) Phenol | 6.398 | 94 | 470978 | 43.54 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.475 | 93 | 392566 | 46.94 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.669 | 146 | 414793 | 44.81 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.745 | 146 | 419570 | 45.14 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.898 | 146 | 383573 | 45.14 | ng | | 98 |
| 15) Benzyl Alcohol | 6.887 | 79 | 324288 | 47.83 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.010 | 45 | 574347 | 44.63 | ng | | 70 |
| 17) 2-Methylphenol | 6.998 | 107 | 318182 | 45.22 | ng | # | 89 |
| 18) Hexachloroethane | 7.234 | 117 | 156556 | 46.63 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.151 | 70 | 281118 | 47.10 | ng | | 100 |
| 20) 3+4-Methylphenols | 7.157 | 107 | 398706 | 46.99 | ng | # | 68 |
| 22) Acetophenone | 7.145 | 105 | 536113 | 45.05 | ng | | 92 |
| 24) Nitrobenzene | 7.322 | 77 | 442301 | 45.88 | ng | | 97 |
| 25) Isophorone | 7.557 | 82 | 790689 | 46.37 | ng | | 99 |
| 26) 2-Nitrophenol | 7.634 | 139 | 210651 | 47.45 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.681 | 122 | 342541 | 45.26 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.763 | 93 | 492792 | 46.19 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.881 | 162 | 328317 | 46.33 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.951 | 180 | 341105 | 45.27 | ng | | 99 |
| 31) Naphthalene | 8.034 | 128 | 1108984 | 44.76 | ng | | 100 |
| 32) Benzoic acid | 7.845 | 122 | 202786 | 47.06 | ng | | 96 |
| 33) 4-Chloroaniline | 8.092 | 127 | 233683 | 22.14 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.145 | 225 | 207537 | 46.45 | ng | | 99 |
| 35) Caprolactam | 8.481 | 113 | 102496m | 45.54 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.592 | 107 | 360918 | 47.42 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.722 | 142 | 725304 | 45.20 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.822 | 142 | 668487 | 44.98 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.892 | 216 | 348472 | 44.41 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.869 | 237 | 187408 | 75.84 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.010 | 196 | 221602 | 45.77 | ng | | 100 |

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|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.057 | 196 | 232451 | 44.45 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.186 | 154 | 877203 | 44.37 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.210 | 162 | 689690 | 44.86 | ng | 99 |
| 48) 2-Nitroaniline | 9.322 | 65 | 234121 | 46.17 | ng | 94 |
| 49) Acenaphthylene | 9.628 | 152 | 1019155 | 43.16 | ng | 100 |
| 50) Dimethylphthalate | 9.492 | 163 | 820880 | 46.17 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.563 | 165 | 178576 | 45.79 | ng | 97 |
| 52) Acenaphthene | 9.798 | 154 | 620299 | 44.16 | ng | 98 |
| 53) 3-Nitroaniline | 9.733 | 138 | 114730 | 25.87 | ng | 97 |
| 54) 2,4-Dinitrophenol | 9.857 | 184 | 161993 | 81.24 | ng | 96 |
| 55) Dibenzofuran | 9.969 | 168 | 894489 | 43.55 | ng | 97 |
| 56) 4-Nitrophenol | 9.922 | 139 | 178890 | 74.14 | ng | 86 |
| 57) 2,4-Dinitrotoluene | 9.975 | 165 | 220459 | 45.92 | ng | 97 |
| 58) Fluorene | 10.310 | 166 | 738556 | 44.63 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.098 | 232 | 194786 | 48.15 | ng | 98 |
| 60) Diethylphthalate | 10.192 | 149 | 810861 | 47.30 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.304 | 204 | 363405 | 45.79 | ng | 99 |
| 62) 4-Nitroaniline | 10.357 | 138 | 173972 | 39.26 | ng | 98 |
| 63) Azobenzene | 10.463 | 77 | 826074 | 45.56 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.386 | 198 | 129381 | 42.64 | ng | 99 |
| 66) n-Nitrosodiphenylamine | 10.428 | 169 | 696045 | 44.05 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.792 | 248 | 243764 | 46.00 | ng | 97 |
| 68) Hexachlorobenzene | 10.863 | 284 | 272527 | 45.44 | ng | 93 |
| 69) Atrazine | 10.957 | 200 | 192392 | 49.80 | ng | 98 |
| 70) Pentachlorophenol | 11.063 | 266 | 206353 | 86.76 | ng | 99 |
| 71) Phenanthrene | 11.275 | 178 | 1086259 | 43.19 | ng | 99 |
| 72) Anthracene | 11.327 | 178 | 1119104 | 42.90 | ng | 99 |
| 73) Carbazole | 11.486 | 167 | 991554 | 42.75 | ng | 100 |
| 74) Di-n-butylphthalate | 11.804 | 149 | 1252099 | 46.93 | ng | 100 |
| 75) Fluoranthene | 12.457 | 202 | 1160396 | 43.03 | ng | 99 |
| 77) Benzidine | 12.586 | 184 | 552225 | 52.89 | ng | 99 |
| 78) Pyrene | 12.692 | 202 | 1175089 | 45.53 | ng | 99 |
| 80) Butylbenzylphthalate | 13.298 | 149 | 519359 | 50.74 | ng | 97 |
| 81) Benzo(a)anthracene | 13.874 | 228 | 1007337 | 45.39 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.839 | 252 | 232198 | 28.21 | ng | 99 |
| 83) Chrysene | 13.916 | 228 | 977227 | 44.85 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.857 | 149 | 740574 | 53.30 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.468 | 149 | 1208222 | 53.75 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.727 | 276 | 855975 | 45.68 | ng | 98 |
| 88) Benzo(b)fluoranthene | 14.910 | 252 | 922756 | 47.30 | ng | 99 |
| 89) Benzo(k)fluoranthene | 14.933 | 252 | 830498 | 44.81 | ng | 99 |
| 90) Benzo(a)pyrene | 15.257 | 252 | 765458 | 45.42 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.727 | 278 | 707269 | 45.83 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.139 | 276 | 708436 | 45.87 | ng | 98 |

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

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