Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080521\
Data File : BP006501.D
Acq On : 05 Aug 2021 11:23
Operator : CG/JU
Sample : PB138179BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 11:57:17 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 03 15:41:30 2021
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
PB138179BS

**Manual Integrations APPROVED**
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.757 | 152 | 160892 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.540 | 136 | 694736 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 14.386 | 164 | 381654 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.139 | 188 | 718931 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 21.239 | 240 | 641562 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 23.562 | 264 | 638771 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.357 | 112 | 1517620 | 144.878 | ng | | 0.00 |
| 7) Phenol-d6 | 6.934 | 99 | 2021320 | 135.840 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.910 | 82 | 1139269 | 75.692 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.880 | 330 | 486943 | 122.080 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 1922199 | 75.352 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.716 | 244 | 2239266 | 69.939 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.305 | 88 | 226070 | 49.572 | ng | | 90 |
| 3) Pyridine | 3.693 | 79 | 572443 | 42.707 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.605 | 42 | 273246 | 54.011 | ng | # | 92 |
| 6) Aniline | 7.093 | 93 | 768643 | 47.554 | ng | | 94 |
| 8) 2-Chlorophenol | 7.322 | 128 | 596939 | 52.668 | ng | | 88 |
| 9) Benzaldehyde | 6.904 | 77 | 338120 | 37.754 | ng | | 89 |
| 10) Phenol | 6.963 | 94 | 782324 | 52.432 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.193 | 93 | 578303 | 51.044 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 7.646 | 146 | 590255 | 49.968 | ng | # | 95 |
| 13) 1,4-Dichlorobenzene | 7.793 | 146 | 601740 | 50.193 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.104 | 146 | 578121 | 50.255 | ng | | 96 |
| 15) Benzyl Alcohol | 8.004 | 79 | 580580 | 52.028 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.293 | 45 | 694221 | 51.493 | ng | | 92 |
| 17) 2-Methylphenol | 8.204 | 107 | 506161 | 53.723 | ng | | 99 |
| 18) Hexachloroethane | 8.828 | 117 | 249096 | 52.495 | ng | # | 86 |
| 19) n-Nitroso-di-n-propyla... | 8.569 | 70 | 488425 | 48.925 | ng | # | 95 |
| 20) 3+4-Methylphenols | 8.528 | 107 | 672412 | 52.434 | ng | | 96 |
| 22) Acetophenone | 8.581 | 105 | 894154 | 48.532 | ng | # | 96 |
| 24) Nitrobenzene | 8.957 | 77 | 741715 | 47.406 | ng | | 90 |
| 25) Isophorone | 9.481 | 82 | 1200095 | 44.392 | ng | | 94 |
| 26) 2-Nitrophenol | 9.663 | 139 | 274133 | 48.144 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 9.728 | 122 | 541212 | 56.761 | ng | | 96 |
| 28) bis(2-Chloroethoxy)met... | 9.969 | 93 | 755440 | 52.226 | ng | # | 98 |
| 29) 2,4-Dichlorophenol | 10.193 | 162 | 476001 | 49.309 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.404 | 180 | 490201 | 47.257 | ng | | 95 |
| 31) Naphthalene | 10.592 | 128 | 1756829 | 47.060 | ng | | 99 |
| 32) Benzoic acid | 9.857 | 122 | 328190 | 44.493 | ng | | 87 |
| 33) 4-Chloroaniline | 10.704 | 127 | 302804 | 20.044 | ng | # | 93 |
| 34) Hexachlorobutadiene | 10.875 | 225 | 278968 | 46.150 | ng | | 98 |
| 35) Caprolactam | 11.498 | 113 | 158535m | 45.545 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.834 | 107 | 589286 | 48.046 | ng | | 88 |
| 37) 2-Methylnaphthalene | 12.204 | 142 | 1201222 | 47.486 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.422 | 142 | 1100637 | 45.784 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.575 | 216 | 488919 | 48.946 | ng | # | 94 |
| 41) Hexachlorocyclopentadiene | 12.551 | 237 | 719569 | 135.822 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.816 | 196 | 331671 | 48.628 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.886 | 196 | 364202 | 48.240 | ng | # | 89 |
| 46) 1,1'-Biphenyl | 13.222 | 154 | 1398264 | 48.403 | ng | | 96 |
| 47) 2-Chloronaphthalene | 13.263 | 162 | 1082949 | 48.681 | ng | | 94 |
| 48) 2-Nitroaniline | 13.469 | 65 | 399080 | 50.834 | ng | # | 84 |
| 49) Acenaphthylene | 14.110 | 152 | 1770746 | 49.365 | ng | | 99 |
| 50) Dimethylphthalate | 13.857 | 163 | 1299392 | 46.772 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.975 | 165 | 281939 | 45.480 | ng | # | 77 |
| 52) Acenaphthene | 14.451 | 154 | 1040521 | 47.663 | ng | | 98 |
| 53) 3-Nitroaniline | 14.298 | 138 | 208431 | 30.329 | ng | | 82 |
| 54) 2,4-Dinitrophenol | 14.504 | 184 | 278591 | 85.937 | ng | # | 73 |
| 55) Dibenzofuran | 14.786 | 168 | 1592679 | 46.382 | ng | | 93 |
| 56) 4-Nitrophenol | 14.610 | 139 | 556697 | 93.290 | ng | # | 85 |
| 57) 2,4-Dinitrotoluene | 14.757 | 165 | 389255 | 46.821 | ng | # | 76 |
| 58) Fluorene | 15.439 | 166 | 1290258 | 47.010 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.010 | 232 | 288140 | 45.541 | ng | # | 67 |
| 60) Diethylphthalate | 15.228 | 149 | 1368802 | 46.910 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.439 | 204 | 582939 | 46.900 | ng | # | 87 |
| 62) 4-Nitroaniline | 15.463 | 138 | 321072 | 44.027 | ng | | 91 |
| 63) Azobenzene | 15.733 | 77 | 1643730 | 48.317 | ng | | 92 |
| 65) 4,6-Dinitro-2-methylph... | 15.516 | 198 | 169931 | 38.684 | ng | # | 66 |
| 66) n-Nitrosodiphenylamine | 15.657 | 169 | 1092773 | 48.359 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.333 | 248 | 329667 | 47.791 | ng | # | 85 |
| 68) Hexachlorobenzene | 16.439 | 284 | 373734 | 47.610 | ng | # | 85 |
| 69) Atrazine | 16.616 | 200 | 347507 | 49.282 | ng | | 95 |
| 70) Pentachlorophenol | 16.786 | 266 | 485176 | 97.413 | ng | | 98 |
| 71) Phenanthrene | 17.180 | 178 | 1935897 | 47.739 | ng | | 99 |
| 72) Anthracene | 17.274 | 178 | 1942657 | 49.577 | ng | | 100 |
| 73) Carbazole | 17.551 | 167 | 1798297 | 44.993 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.116 | 149 | 2192637 | 48.152 | ng | | 99 |
| 75) Fluoranthene | 19.157 | 202 | 2022201 | 44.429 | ng | | 94 |
| 77) Benzidine | 19.345 | 184 | 961230 | 59.875 | ng | | 99 |
| 78) Pyrene | 19.510 | 202 | 2105477 | 49.133 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.398 | 149 | 926731 | 49.180 | ng | # | 84 |
| 81) Benzo(a)anthracene | 21.221 | 228 | 1911694 | 45.594 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.163 | 252 | 496306 | 45.089 | ng | # | 97 |
| 83) Chrysene | 21.274 | 228 | 1883676 | 46.341 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.163 | 149 | 1361286 | 48.072 | ng | # | 95 |
| 85) Di-n-octyl phthalate | 22.068 | 149 | 2241393 | 48.022 | ng | # | 93 |
| 87) Indeno(1,2,3-cd)pyrene | 25.974 | 276 | 2297028 | 49.593 | ng | # | 88 |
| 88) Benzo(b)fluoranthene | 22.862 | 252 | 1912090 | 46.058 | ng | # | 96 |
| 89) Benzo(k)fluoranthene | 22.904 | 252 | 1923288 | 48.252 | ng | # | 95 |
| 90) Benzo(a)pyrene | 23.462 | 252 | 1860617 | 49.967 | ng | # | 94 |
| 91) Dibenzo(a,h)anthracene | 25.998 | 278 | 1975954 | 49.341 | ng | # | 93 |
| 92) Benzo(g,h,i)perylene | 26.715 | 276 | 1945441 | 50.694 | ng | # | 89 |

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

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