Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082124\
Data File : BP021599.D
Acq On : 21 Aug 2024 15:59
Operator : RC/JU
Sample : PB162878BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 21 16:43:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
PB162878BS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.805 | 152 | 412244 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.593 | 136 | 1693907 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.451 | 164 | 1109834 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.263 | 188 | 2482231 | 20.000 | ng | 0.01 |
| 76) Chrysene-d12 | 21.733 | 240 | 2374692 | 20.000 | ng | 0.04 |
| 86) Perylene-d12 | 25.163 | 264 | 2545548 | 20.000 | ng | 0.06 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.405 | 112 | 3622949 | 130.495 | ng | 0.01 |
| 7) Phenol-d6 | 6.975 | 99 | 4889700 | 120.733 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 8.952 | 82 | 2914163 | 88.797 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.969 | 330 | 1848029 | 149.614 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.063 | 172 | 5593154 | 76.913 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.992 | 244 | 9834904 | 80.459 | ng | 0.02 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.323 | 88 | 359415 | 27.303 | ng | 98 |
| 3) Pyridine | 3.717 | 79 | 987174 | 26.862 | ng | 95 |
| 4) n-Nitrosodimethylamine | 3.617 | 42 | 449524 | 40.696 | ng | 89 |
| 6) Aniline | 7.128 | 93 | 1061986 | 26.229 | ng | 97 |
| 8) 2-Chlorophenol | 7.375 | 128 | 1270850 | 49.533 | ng | 94 |
| 9) Benzaldehyde | 6.946 | 77 | 468502m | 18.067 | ng | |
| 10) Phenol | 6.999 | 94 | 1871956 | 44.635 | ng | 96 |
| 11) bis(2-Chloroethyl)ether | 7.228 | 93 | 1407754 | 39.669 | ng | 95 |
| 12) 1,3-Dichlorobenzene | 7.693 | 146 | 1264837 | 41.503 | ng | 97 |
| 13) 1,4-Dichlorobenzene | 7.840 | 146 | 1288203 | 41.861 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.158 | 146 | 1246381 | 42.029 | ng | 99 |
| 15) Benzyl Alcohol | 8.040 | 79 | 1290363 | 44.405 | ng | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.322 | 45 | 1330956 | 40.727 | ng | 97 |
| 17) 2-Methylphenol | 8.240 | 107 | 1212157 | 45.719 | ng | 98 |
| 18) Hexachloroethane | 8.881 | 117 | 528824 | 42.854 | ng | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.605 | 70 | 1001353 | 35.793 | ng | 96 |
| 20) 3+4-Methylphenols | 8.563 | 107 | 1680449 | 47.005 | ng | 98 |
| 22) Acetophenone | 8.616 | 105 | 1956942 | 37.605 | ng | 99 |
| 24) Nitrobenzene | 8.993 | 77 | 1503140 | 42.171 | ng | 93 |
| 25) Isophorone | 9.522 | 82 | 2953927 | 38.100 | ng | 98 |
| 26) 2-Nitrophenol | 9.705 | 139 | 622236 | 60.822 | ng | 92 |
| 27) 2,4-Dimethylphenol | 9.763 | 122 | 961832 | 50.269 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.999 | 93 | 1881847 | 39.763 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.240 | 162 | 1171377 | 51.815 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.457 | 180 | 1211383 | 41.796 | ng | 97 |
| 31) Naphthalene | 10.646 | 128 | 3700733 | 41.821 | ng | 100 |
| 32) Benzoic acid | 9.905 | 122 | 944235 | 65.477 | ng | 92 |
| 33) 4-Chloroaniline | 10.746 | 127 | 825876 | 24.846 | ng | 97 |
| 34) Hexachlorobutadiene | 10.934 | 225 | 723168 | 39.628 | ng | 99 |
| 35) Caprolactam | 11.534 | 113 | 436972 | 46.438 | ng | 91 |
| 36) 4-Chloro-3-methylphenol | 11.875 | 107 | 1555408 | 49.599 | ng | 96 |
| 37) 2-Methylnaphthalene | 12.257 | 142 | 2557102 | 42.340 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.475 | 142 | 2385425 | 40.048 | ng | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.628 | 216 | 1254314 | 38.572 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.610 | 237 | 1107445 | 107.453 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 12.863 | 196 | 991949 | 54.915 | ng | 100 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.946 | 196 | 1058604 | 52.748 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.275 | 154 | 3103293 | 39.521 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.316 | 162 | 2560671 | 41.887 | ng | | 99 |
| 48) 2-Nitroaniline | 13.510 | 65 | 914454 | 52.796 | ng | # | 84 |
| 49) Acenaphthylene | 14.163 | 152 | 4317781 | 48.046 | ng | | 99 |
| 50) Dimethylphthalate | 13.904 | 163 | 3456072 | 46.500 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.016 | 165 | 768282 | 50.968 | ng | | 90 |
| 52) Acenaphthene | 14.516 | 154 | 2959658m | 50.193 | ng | | |
| 53) 3-Nitroaniline | 14.345 | 138 | 639131 | 43.741 | ng | # | 93 |
| 54) 2,4-Dinitrophenol | 14.557 | 184 | 814761 | 121.872 | ng | | 89 |
| 55) Dibenzofuran | 14.851 | 168 | 4077887 | 44.957 | ng | | 99 |
| 56) 4-Nitrophenol | 14.669 | 139 | 1412623 | 112.402 | ng | | 88 |
| 57) 2,4-Dinitrotoluene | 14.810 | 165 | 1095697 | 56.464 | ng | | 85 |
| 58) Fluorene | 15.516 | 166 | 3203821 | 42.994 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.087 | 232 | 956060 | 56.125 | ng | | 96 |
| 60) Diethylphthalate | 15.298 | 149 | 3562699 | 46.718 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.516 | 204 | 1622379 | 42.119 | ng | | 99 |
| 62) 4-Nitroaniline | 15.528 | 138 | 798416 | 52.406 | ng | | 96 |
| 63) Azobenzene | 15.816 | 77 | 3807569 | 40.618 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 15.598 | 198 | 584527 | 67.737 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.740 | 169 | 2939803 | 44.194 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.439 | 248 | 1109715 | 42.241 | ng | | 99 |
| 68) Hexachlorobenzene | 16.551 | 284 | 1289506 | 41.536 | ng | | 98 |
| 69) Atrazine | 16.722 | 200 | 921905 | 40.366 | ng | | 100 |
| 70) Pentachlorophenol | 16.904 | 266 | 1721237 | 101.578 | ng | | 99 |
| 71) Phenanthrene | 17.310 | 178 | 5346064 | 44.783 | ng | | 100 |
| 72) Anthracene | 17.404 | 178 | 5295342 | 45.230 | ng | | 100 |
| 73) Carbazole | 17.675 | 167 | 5164248 | 45.771 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.281 | 149 | 6394579 | 46.148 | ng | | 100 |
| 75) Fluoranthene | 19.392 | 202 | 6537856 | 44.636 | ng | | 100 |
| 77) Benzidine | 19.592 | 184 | 1176708 | 21.951 | ng | | 99 |
| 78) Pyrene | 19.769 | 202 | 6829298 | 43.999 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.728 | 149 | 3040133 | 51.337 | ng | | 92 |
| 81) Benzo(a)anthracene | 21.710 | 228 | 6912503 | 46.370 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.627 | 252 | 1997094 | 41.783 | ng | | 100 |
| 83) Chrysene | 21.786 | 228 | 6510654 | 46.258 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.663 | 149 | 4597775 | 52.183 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.980 | 149 | 8065042 | 51.695 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 29.092 | 276 | 8430920m | 51.095 | ng | | |
| 88) Benzo(b)fluoranthene | 24.080 | 252 | 7074066 | 48.387 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.157 | 252 | 7020129 | 49.224 | ng | | 99 |
| 90) Benzo(a)pyrene | 25.004 | 252 | 6562777 | 51.728 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.198 | 278 | 6912050 | 50.416 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 30.303 | 276 | 6698216 | 48.745 | ng | | 98 |

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

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