Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051724\
Data File : BF137926.D
Acq On : 17 May 2024 12:19
Operator : CG\JU
Sample : PB160921BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 17 13:09:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 15 04:12:16 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB160921BS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel

05/18/2024

Supervised By :mohammad ahmed

05/22/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.040 | 152 | 148071 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.328 | 136 | 587024 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 10.086 | 164 | 334060 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.580 | 188 | 573148 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.233 | 240 | 344869 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.792 | 264 | 277552 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.681 | 112 | 1081311 | 124.046 | ng | 0.02 |
| 7) Phenol-d6 | 6.663 | 99 | 1320399 | 122.966 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.604 | 82 | 815451 | 81.751 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.880 | 330 | 450173 | 133.649 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.404 | 172 | 1731439 | 79.839 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.169 | 244 | 1922051 | 82.139 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.052 | 88 | 132372 | 35.053 | ng | 99 |
| 3) Pyridine | 3.793 | 79 | 317859 | 37.514 | ng | 97 |
| 4) n-Nitrosodimethylamine | 3.757 | 42 | 166674 | 44.590 | ng | 98 |
| 6) Aniline | 6.704 | 93 | 316623m | 32.967 | ng | |
| 8) 2-Chlorophenol | 6.828 | 128 | 423296 | 44.871 | ng | 99 |
| 9) Benzaldehyde | 6.592 | 77 | 136865 | 23.559 | ng | 96 |
| 10) Phenol | 6.675 | 94 | 471898 | 43.539 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 6.775 | 93 | 370362 | 44.504 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.987 | 146 | 450642 | 41.288 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 7.057 | 146 | 455991 | 41.621 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.210 | 146 | 437786 | 42.458 | ng | 99 |
| 15) Benzyl Alcohol | 7.181 | 79 | 336561 | 46.938 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.304 | 45 | 463415 | 45.302 | ng | 99 |
| 17) 2-Methylphenol | 7.281 | 107 | 328322 | 43.642 | ng | 98 |
| 18) Hexachloroethane | 7.557 | 117 | 159359 | 42.985 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.451 | 70 | 266594 | 44.191 | ng | 99 |
| 20) 3+4-Methylphenols | 7.434 | 107 | 422566 | 42.875 | ng | 95 |
| 22) Acetophenone | 7.451 | 105 | 566539 | 43.082 | ng | 99 |
| 24) Nitrobenzene | 7.622 | 77 | 415042 | 41.016 | ng | 97 |
| 25) Isophorone | 7.857 | 82 | 756162 | 43.679 | ng | 99 |
| 26) 2-Nitrophenol | 7.939 | 139 | 225183 | 44.288 | ng | 99 |
| 27) 2,4-Dimethylphenol | 7.963 | 122 | 305971 | 46.740 | ng | 98 |
| 28) bis(2-Chloroethoxy)met... | 8.063 | 93 | 452353 | 43.113 | ng | 100 |
| 29) 2,4-Dichlorophenol | 8.175 | 162 | 356643 | 43.325 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.263 | 180 | 380184 | 41.364 | ng | 99 |
| 31) Naphthalene | 8.351 | 128 | 1227133 | 41.576 | ng | 100 |
| 32) Benzoic acid | 8.081 | 122 | 244335 | 44.154 | ng | 97 |
| 33) 4-Chloroaniline | 8.392 | 127 | 184248 | 19.042 | ng | 98 |
| 34) Hexachlorobutadiene | 8.457 | 225 | 236783 | 40.701 | ng | 99 |
| 35) Caprolactam | 8.757 | 113 | 111416m | 46.717 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.863 | 107 | 363964 | 43.464 | ng | 97 |
| 37) 2-Methylnaphthalene | 9.039 | 142 | 808720 | 42.626 | ng | 98 |
| 38) 1-Methylnaphthalene | 9.139 | 142 | 746559 | 40.026 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.204 | 216 | 382311 | 42.096 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.192 | 237 | 407050 | 117.956 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.310 | 196 | 258241 | 43.368 | ng | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.351 | 196 | 281593 | 43.219 | ng | | 95 |
| 46) 1,1'-Biphenyl | 9.504 | 154 | 989026 | 42.211 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.533 | 162 | 767060 | 41.011 | ng | | 98 |
| 48) 2-Nitroaniline | 9.628 | 65 | 210587 | 43.968 | ng | | 93 |
| 49) Acenaphthylene | 9.951 | 152 | 1212657 | 45.091 | ng | | 99 |
| 50) Dimethylphthalate | 9.804 | 163 | 919843 | 43.910 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.863 | 165 | 204163 | 42.464 | ng | | 95 |
| 52) Acenaphthene | 10.122 | 154 | 820372 | 46.153 | ng | | 98 |
| 53) 3-Nitroaniline | 10.033 | 138 | 141688 | 30.145 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 10.145 | 184 | 218498 | 83.762 | ng | # | 78 |
| 55) Dibenzofuran | 10.298 | 168 | 1105482 | 42.734 | ng | | 98 |
| 56) 4-Nitrophenol | 10.192 | 139 | 326391 | 96.684 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 10.269 | 165 | 278144 | 44.750 | ng | # | 85 |
| 58) Fluorene | 10.639 | 166 | 860210 | 42.041 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.410 | 232 | 233737 | 45.666 | ng | | 99 |
| 60) Diethylphthalate | 10.504 | 149 | 856228 | 43.765 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.628 | 204 | 425463 | 42.165 | ng | | 96 |
| 62) 4-Nitroaniline | 10.657 | 138 | 197242 | 44.244 | ng | | 97 |
| 63) Azobenzene | 10.786 | 77 | 794028 | 44.619 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.680 | 198 | 154538 | 46.697 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 10.745 | 169 | 755025 | 42.956 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 11.122 | 248 | 269330 | 42.864 | ng | | 92 |
| 68) Hexachlorobenzene | 11.186 | 284 | 292071 | 42.052 | ng | | 96 |
| 69) Atrazine | 11.269 | 200 | 253135 | 52.741 | ng | | 99 |
| 70) Pentachlorophenol | 11.380 | 266 | 361996 | 88.976 | ng | | 99 |
| 71) Phenanthrene | 11.610 | 178 | 1216551 | 43.073 | ng | | 99 |
| 72) Anthracene | 11.663 | 178 | 1240098 | 44.252 | ng | | 99 |
| 73) Carbazole | 11.810 | 167 | 1121255 | 43.800 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.127 | 149 | 1299743 | 45.750 | ng | | 99 |
| 75) Fluoranthene | 12.798 | 202 | 1246011 | 43.463 | ng | | 98 |
| 77) Benzidine | 12.916 | 184 | 188297 | 41.778 | ng | | 98 |
| 78) Pyrene | 13.033 | 202 | 1263883 | 41.901 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.633 | 149 | 443623 | 48.759 | ng | | 95 |
| 81) Benzo(a)anthracene | 14.221 | 228 | 964397 | 44.201 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.174 | 252 | 205697 | 34.019 | ng | | 99 |
| 83) Chrysene | 14.257 | 228 | 919087 | 44.046 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.186 | 149 | 567224 | 49.596 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.815 | 149 | 801944 | 51.903 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.421 | 276 | 846399 | 47.465 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.321 | 252 | 786637 | 48.949 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.357 | 252 | 728078 | 46.117 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.727 | 252 | 669585 | 48.794 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 17.439 | 278 | 691117 | 46.910 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.915 | 276 | 679067 | 43.876 | ng | | 99 |

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

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