Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031324\
Data File : BF137583.D
Acq On : 13 Mar 2024 18:29
Operator : CG\JU
Sample : P1725-02MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 14 04:02:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 14 04:02:20 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
RT-3860MS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 03/14/2024
Supervised By :mohammad ahmed 03/15/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.998 | 152 | 206963m | 20.000 | ng | 0.09 |
| 21) Naphthalene-d8 | 8.263 | 136 | 825045 | 20.000 | ng | 0.09 |
| 39) Acenaphthene-d10 | 10.022 | 164 | 455134 | 20.000 | ng | 0.09 |
| 64) Phenanthrene-d10 | 11.516 | 188 | 729263 | 20.000 | ng | 0.09 |
| 76) Chrysene-d12 | 14.186 | 240 | 421690 | 20.000 | ng | 0.09 |
| 86) Perylene-d12 | 15.792 | 264 | 474304 | 20.000 | ng | 0.14 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.704 | 112 | 1421953 | 104.057 | ng | 0.14 |
| 7) Phenol-d6 | 6.657 | 99 | 1843049 | 93.437 | ng | 0.11 |
| 23) Nitrobenzene-d5 | 7.557 | 82 | 1302296 | 73.341 | ng | 0.09 |
| 42) 2,4,6-Tribromophenol | 10.822 | 330 | 507532 | 126.983 | ng | 0.09 |
| 45) 2-Fluorobiphenyl | 9.339 | 172 | 2131685 | 73.316 | ng | 0.08 |
| 79) Terphenyl-d14 | 13.122 | 244 | 2207805 | 71.995 | ng | 0.09 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.234 | 88 | 239315m | 32.029 | ng | |
| 3) Pyridine | 3.922 | 79 | 531925m | 29.518 | ng | |
| 4) n-Nitrosodimethylamine | 3.875 | 42 | 261935 | 36.844 | ng | 94 |
| 6) Aniline | 6.681 | 93 | 346055 | 14.358 | ng | 95 |
| 8) 2-Chlorophenol | 6.793 | 128 | 571587 | 39.657 | ng | 96 |
| 9) Benzaldehyde | 6.569 | 77 | 135942 | 14.067 | ng | 99 |
| 10) Phenol | 6.669 | 94 | 709876 | 33.436 | ng | 95 |
| 11) bis(2-Chloroethyl)ether | 6.745 | 93 | 607366 | 39.039 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.945 | 146 | 598430 | 38.855 | ng | 95 |
| 13) 1,4-Dichlorobenzene | 7.016 | 146 | 609798m | 38.697 | ng | |
| 14) 1,2-Dichlorobenzene | 7.163 | 146 | 573023m | 39.618 | ng | |
| 15) Benzyl Alcohol | 7.145 | 79 | 531392 | 43.273 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.263 | 45 | 924272 | 34.562 | ng | 86 |
| 17) 2-Methylphenol | 7.251 | 107 | 466997 | 34.626 | ng | 99 |
| 18) Hexachloroethane | 7.498 | 117 | 205371 | 39.580 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.410 | 70 | 440641 | 36.176 | ng | 99 |
| 20) 3+4-Methylphenols | 7.404 | 107 | 549844m | 35.597 | ng | |
| 22) Acetophenone | 7.404 | 105 | 770294 | 38.588 | ng | 98 |
| 24) Nitrobenzene | 7.575 | 77 | 663047 | 37.172 | ng | 97 |
| 25) Isophorone | 7.810 | 82 | 1266611 | 37.546 | ng | 98 |
| 26) 2-Nitrophenol | 7.887 | 139 | 291997 | 41.233 | ng | 92 |
| 27) 2,4-Dimethylphenol | 7.922 | 122 | 416357 | 31.465 | ng | 98 |
| 28) bis(2-Chloroethoxy)met... | 8.016 | 93 | 764216 | 38.610 | ng | 100 |
| 29) 2,4-Dichlorophenol | 8.122 | 162 | 489210 | 40.283 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.204 | 180 | 501819 | 39.266 | ng | 100 |
| 31) Naphthalene | 8.287 | 128 | 1677134 | 37.887 | ng | 99 |
| 32) Benzoic acid | 8.028 | 122 | 85138m | 16.005 | ng | |
| 33) 4-Chloroaniline | 8.339 | 127 | 69112 | 3.982 | ng | 98 |
| 34) Hexachlorobutadiene | 8.398 | 225 | 285355 | 37.820 | ng | 98 |
| 35) Caprolactam | 8.710 | 113 | 155728m | 37.817 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.828 | 107 | 554284 | 40.832 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.975 | 142 | 1040572 | 36.874 | ng | 100 |
| 38) 1-Methylnaphthalene | 9.075 | 142 | 971445 | 36.554 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.139 | 216 | 513259 | 40.394 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 9.122 | 237 | 343146 | 67.600 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.257 | 196 | 353597 | 42.734 | ng | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.304 | 196 | 371892 | 39.017 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.439 | 154 | 1321415 | 39.668 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.463 | 162 | 1038514 | 40.890 | ng | | 99 |
| 48) 2-Nitroaniline | 9.569 | 65 | 383147 | 44.385 | ng | | 98 |
| 49) Acenaphthylene | 9.881 | 152 | 1624882 | 39.978 | ng | | 100 |
| 50) Dimethylphthalate | 9.751 | 163 | 1344984 | 42.452 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.816 | 165 | 288719 | 43.569 | ng | # | 81 |
| 52) Acenaphthene | 10.057 | 154 | 929406 | 38.302 | ng | | 99 |
| 53) 3-Nitroaniline | 9.981 | 138 | 150694 | 21.499 | ng | | 93 |
| 54) 2,4-Dinitrophenol | 10.092 | 184 | 98563 | 35.584 | ng | | 92 |
| 55) Dibenzofuran | 10.228 | 168 | 1441939 | 39.016 | ng | | 100 |
| 56) 4-Nitrophenol | 10.157 | 139 | 353806 | 71.460 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 10.222 | 165 | 354572 | 43.551 | ng | | 94 |
| 58) Fluorene | 10.575 | 166 | 1082628 | 38.144 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.351 | 232 | 319327 | 41.778 | ng | | 95 |
| 60) Diethylphthalate | 10.457 | 149 | 1259534 | 42.099 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.569 | 204 | 538988 | 38.748 | ng | | 93 |
| 62) 4-Nitroaniline | 10.604 | 138 | 241506 | 40.088 | ng | | 94 |
| 63) Azobenzene | 10.728 | 77 | 1371208 | 39.802 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.628 | 198 | 110918 | 27.289 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 10.692 | 169 | 1021077 | 43.481 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 11.057 | 248 | 365727 | 46.044 | ng | | 96 |
| 68) Hexachlorobenzene | 11.122 | 284 | 381418 | 47.543 | ng | | 93 |
| 69) Atrazine | 11.228 | 200 | 343181 | 48.072 | ng | | 98 |
| 70) Pentachlorophenol | 11.322 | 266 | 324490 | 66.908 | ng | | 99 |
| 71) Phenanthrene | 11.539 | 178 | 1642822 | 41.393 | ng | | 99 |
| 72) Anthracene | 11.592 | 178 | 1697205 | 41.637 | ng | | 99 |
| 73) Carbazole | 11.757 | 167 | 1469489 | 42.087 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.092 | 149 | 1884363 | 45.361 | ng | | 100 |
| 75) Fluoranthene | 12.739 | 202 | 1510173 | 38.928 | ng | | 99 |
| 77) Benzidine | 12.869 | 184 | 397931 | 38.560 | ng | | 98 |
| 78) Pyrene | 12.969 | 202 | 1538960 | 37.193 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.604 | 149 | 612305 | 57.944 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.174 | 228 | 1274350 | 43.117 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.139 | 252 | 224784 | 28.559 | ng | | 99 |
| 83) Chrysene | 14.210 | 228 | 1311562 | 43.906 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.174 | 149 | 816873 | 60.819 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.821 | 149 | 1563529 | 58.953 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 17.539 | 276 | 1210201 | 38.773 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.304 | 252 | 1302490m | 46.423 | ng | | |
| 89) Benzo(k)fluoranthene | 15.339 | 252 | 1289809 | 42.800 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.727 | 252 | 1205760 | 43.610 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.574 | 278 | 984103 | 38.867 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 18.074 | 276 | 887740 | 34.140 | ng | | 99 |

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

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