Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072622\
Data File : BF129347.D
Acq On : 26 Jul 2022 10:30
Operator : CG\JU
Sample : PB146423BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 27 00:38:36 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 25 17:24:17 2022
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB146423BS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 280753 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.169 | 136 | 1138655 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.928 | 164 | 597013 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.416 | 188 | 1000730 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 14.068 | 240 | 644928 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.551 | 264 | 526661 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.516 | 112 | 2075125 | 120.404 | ng | | 0.02 |
| 7) Phenol-d6 | 6.522 | 99 | 2640727 | 121.900 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.451 | 82 | 1742374 | 83.532 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.727 | 330 | 710912 | 123.856 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.251 | 172 | 2881248 | 74.657 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.004 | 244 | 3053295 | 89.317 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.763 | 88 | 273526 | 35.175 | ng | | 89 |
| 3) Pyridine | 3.540 | 79 | 714380 | 33.082 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.487 | 42 | 424064 | 44.720 | ng | # | 88 |
| 6) Aniline | 6.551 | 93 | 1003280 | 37.254 | ng | | 99 |
| 8) 2-Chlorophenol | 6.669 | 128 | 902579 | 47.935 | ng | | 98 |
| 9) Benzaldehyde | 6.434 | 77 | 335029 | 22.773 | ng | | 98 |
| 10) Phenol | 6.534 | 94 | 1055826m | 45.768 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.622 | 93 | 855000 | 46.734 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.828 | 146 | 899177 | 44.526 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.904 | 146 | 916383 | 44.619 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.057 | 146 | 877744 | 46.496 | ng | | 99 |
| 15) Benzyl Alcohol | 7.028 | 79 | 729348 | 46.422 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 1231411 | 44.777 | ng | | 92 |
| 17) 2-Methylphenol | 7.139 | 107 | 696916 | 44.615 | ng | | 99 |
| 18) Hexachloroethane | 7.398 | 117 | 349769 | 45.229 | ng | | 93 |
| 19) n-Nitroso-di-n-propyla... | 7.298 | 70 | 589744 | 44.969 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.292 | 107 | 822133 | 41.394 | ng | # | 89 |
| 22) Acetophenone | 7.298 | 105 | 1138057 | 42.929 | ng | # | 99 |
| 24) Nitrobenzene | 7.469 | 77 | 914114 | 42.557 | ng | | 97 |
| 25) Isophorone | 7.710 | 82 | 1704459 | 45.586 | ng | | 98 |
| 26) 2-Nitrophenol | 7.787 | 139 | 479752 | 45.275 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.822 | 122 | 816132 | 51.346 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.916 | 93 | 1048693 | 48.350 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.028 | 162 | 717326 | 43.724 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.110 | 180 | 744677 | 43.853 | ng | | 95 |
| 31) Naphthalene | 8.192 | 128 | 2449940 | 42.349 | ng | | 99 |
| 32) Benzoic acid | 7.951 | 122 | 518260 | 45.102 | ng | | 98 |
| 33) 4-Chloroaniline | 8.239 | 127 | 690965 | 29.092 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.304 | 225 | 418125 | 43.317 | ng | | 100 |
| 35) Caprolactam | 8.622 | 113 | 241900m | 45.353 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.722 | 107 | 776782 | 44.642 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.881 | 142 | 1594551 | 42.414 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.981 | 142 | 1532843 | 42.237 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 9.051 | 216 | 671201 | 42.816 | ng | # | 98 |
| 41) Hexachlorocyclopentadiene | 9.033 | 237 | 746358 | 106.920 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.163 | 196 | 489797 | 43.018 | ng | | 97 |

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| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 9.210 | 196 | 527039 | 42.565 | ng | # | 93 |
| 46) | 1,1'-Biphenyl | 9.351 | 154 | 1845196 | 42.350 | ng | | 100 |
| 47) | 2-Chloronaphthalene | 9.375 | 162 | 1479207 | 41.997 | ng | | 99 |
| 48) | 2-Nitroaniline | 9.475 | 65 | 497363 | 42.466 | ng | | 89 |
| 49) | Acenaphthylene | 9.792 | 152 | 2355160 | 44.006 | ng | | 99 |
| 50) | Dimethylphthalate | 9.651 | 163 | 1744488 | 42.328 | ng | | 99 |
| 51) | 2,6-Dinitrotoluene | 9.716 | 165 | 408331 | 44.266 | ng | | 100 |
| 52) | Acenaphthene | 9.963 | 154 | 1602140m | 45.833 | ng | | |
| 53) | 3-Nitroaniline | 9.886 | 138 | 341528 | 31.354 | ng | # | 92 |
| 54) | 2,4-Dinitrophenol | 9.998 | 184 | 434787 | 92.330 | ng | # | 87 |
| 55) | Dibenzofuran | 10.139 | 168 | 2008018 | 41.671 | ng | | 97 |
| 56) | 4-Nitrophenol | 10.051 | 139 | 682995 | 84.992 | ng | | 96 |
| 57) | 2,4-Dinitrotoluene | 10.122 | 165 | 536784 | 44.545 | ng | | 98 |
| 58) | Fluorene | 10.480 | 166 | 1555237 | 40.337 | ng | | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.251 | 232 | 407618 | 42.600 | ng | | 93 |
| 60) | Diethylphthalate | 10.351 | 149 | 1682346 | 42.227 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 10.469 | 204 | 714212 | 42.018 | ng | | 90 |
| 62) | 4-Nitroaniline | 10.510 | 138 | 439362 | 40.661 | ng | | 93 |
| 63) | Azobenzene | 10.633 | 77 | 1681419 | 41.377 | ng | | 95 |
| 65) | 4,6-Dinitro-2-methylph... | 10.533 | 198 | 279735 | 44.287 | ng | | 87 |
| 66) | n-Nitrosodiphenylamine | 10.592 | 169 | 1415381 | 42.470 | ng | | 96 |
| 67) | 4-Bromophenyl-phenylether | 10.963 | 248 | 483405 | 44.113 | ng | | 96 |
| 68) | Hexachlorobenzene | 11.027 | 284 | 526328 | 44.327 | ng | | 99 |
| 69) | Atrazine | 11.116 | 200 | 446166 | 44.076 | ng | | 97 |
| 70) | Pentachlorophenol | 11.222 | 266 | 563716 | 87.332 | ng | | 98 |
| 71) | Phenanthrene | 11.445 | 178 | 2266083 | 41.483 | ng | | 99 |
| 72) | Anthracene | 11.498 | 178 | 2280227 | 42.476 | ng | | 99 |
| 73) | Carbazole | 11.651 | 167 | 2178390 | 43.107 | ng | | 100 |
| 74) | Di-n-butylphthalate | 11.974 | 149 | 2547811 | 42.336 | ng | | 99 |
| 75) | Fluoranthene | 12.633 | 202 | 2319992 | 41.915 | ng | | 97 |
| 77) | Benzidine | 12.757 | 184 | 772737 | 33.916 | ng | | 99 |
| 78) | Pyrene | 12.869 | 202 | 2335377 | 43.303 | ng | | 99 |
| 80) | Butylbenzylphthalate | 13.474 | 149 | 1062756 | 45.432 | ng | | 98 |
| 81) | Benzo(a)anthracene | 14.057 | 228 | 1894822 | 43.011 | ng | | 100 |
| 82) | 3,3'-Dichlorobenzidine | 14.016 | 252 | 516279 | 35.494 | ng | | 98 |
| 83) | Chrysene | 14.092 | 228 | 1715656 | 41.321 | ng | | 99 |
| 84) | Bis(2-ethylhexyl)phtha... | 14.027 | 149 | 1409851 | 45.779 | ng | | 99 |
| 85) | Di-n-octyl phthalate | 14.645 | 149 | 2059334 | 46.468 | ng | | 98 |
| 87) | Indeno(1,2,3-cd)pyrene | 17.068 | 276 | 1588751 | 44.797 | ng | | 98 |
| 88) | Benzo(b)fluoranthene | 15.115 | 252 | 1572733 | 45.019 | ng | | 98 |
| 89) | Benzo(k)fluoranthene | 15.145 | 252 | 1567851 | 45.796 | ng | | 98 |
| 90) | Benzo(a)pyrene | 15.492 | 252 | 1473315 | 51.952 | ng | | 97 |
| 91) | Dibenzo(a,h)anthracene | 17.086 | 278 | 1371500 | 47.513 | ng | | 99 |
| 92) | Benzo(g,h,i)perylene | 17.527 | 276 | 1408591 | 47.755 | ng | | 98 |

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

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