Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071024\
Data File : BF138510.D
Acq On : 10 Jul 2024 19:48
Operator : CG\JU
Sample : P3170-03MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 11 00:52:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 09 16:58:40 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SOIL-DRUMS-2MSD

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel
07/11/2024
Supervised By :mohammad ahmed
07/11/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.863 | 152 | 93863 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.145 | 136 | 376849 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.904 | 164 | 195868 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.386 | 188 | 281455 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.022 | 240 | 156994 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.486 | 264 | 194866 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.504 | 112 | 654793 | 110.484 | ng | | 0.01 |
| 7) Phenol-d6 | 6.510 | 99 | 894888 | 113.505 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 592136 | 77.146 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.692 | 330 | 204050 | 111.467 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.222 | 172 | 975118 | 77.808 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.969 | 244 | 699233 | 72.559 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.740 | 88 | 123142 | 46.914 | ng | | 99 |
| 3) Pyridine | 3.481 | 79 | 324394 | 50.114 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.452 | 42 | 239376 | 56.807 | ng | | 99 |
| 6) Aniline | 6.528 | 93 | 310974 | 42.111 | ng | # | 87 |
| 8) 2-Chlorophenol | 6.657 | 128 | 359002 | 57.287 | ng | | 98 |
| 9) Benzaldehyde | 6.416 | 77 | 45226 | 10.717 | ng | | 94 |
| 10) Phenol | 6.522 | 94 | 457777 | 54.702 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.604 | 93 | 348969 | 55.386 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.810 | 146 | 372559 | 52.889 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.887 | 146 | 374674 | 52.378 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 7.034 | 146 | 357395 | 53.645 | ng | | 98 |
| 15) Benzyl Alcohol | 7.010 | 79 | 340532 | 57.553 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.140 | 45 | 676985 | 54.637 | ng | | 99 |
| 17) 2-Methylphenol | 7.128 | 107 | 283203 | 55.141 | ng | # | 92 |
| 18) Hexachloroethane | 7.375 | 117 | 143537 | 54.583 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.281 | 70 | 268948 | 55.207 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 346263 | 53.539 | ng | | 90 |
| 22) Acetophenone | 7.275 | 105 | 452164 | 49.403 | ng | # | 94 |
| 24) Nitrobenzene | 7.451 | 77 | 411184 | 52.716 | ng | | 96 |
| 25) Isophorone | 7.687 | 82 | 739348 | 56.091 | ng | | 100 |
| 26) 2-Nitrophenol | 7.763 | 139 | 191372 | 57.244 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 7.804 | 122 | 245631 | 59.781 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.898 | 93 | 434517 | 55.159 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.010 | 162 | 291632 | 54.657 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.087 | 180 | 327485 | 52.686 | ng | | 97 |
| 31) Naphthalene | 8.169 | 128 | 1044374 | 53.287 | ng | | 99 |
| 32) Benzoic acid | 7.940 | 122 | 180737 | 46.119 | ng | | 91 |
| 33) 4-Chloroaniline | 8.216 | 127 | 163193 | 23.731 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.281 | 225 | 195877 | 51.175 | ng | | 99 |
| 35) Caprolactam | 8.598 | 113 | 80700m | 46.871 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 318285 | 53.283 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.863 | 142 | 668188 | 52.978 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.957 | 142 | 624659 | 50.747 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.028 | 216 | 285396 | 52.280 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 9.010 | 237 | 283786 | 160.161 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.139 | 196 | 197377 | 56.682 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.187 | 196 | 206544 | 53.929 | ng | # | 94 |
| 46) 1,1'-Biphenyl | 9.328 | 154 | 782176 | 52.694 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.351 | 162 | 619771 | 55.268 | ng | | 99 |
| 48) 2-Nitroaniline | 9.445 | 65 | 219990 | 56.612 | ng | | 90 |
| 49) Acenaphthylene | 9.769 | 152 | 935555 | 58.762 | ng | | 99 |
| 50) Dimethylphthalate | 9.628 | 163 | 718427 | 56.724 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.692 | 165 | 159008 | 54.527 | ng | | 100 |
| 52) Acenaphthene | 9.939 | 154 | 573546 | 54.195 | ng | | 99 |
| 53) 3-Nitroaniline | 9.857 | 138 | 93466 | 31.272 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.969 | 184 | 136542 | 86.822 | ng | # | 89 |
| 55) Dibenzofuran | 10.110 | 168 | 828156 | 53.951 | ng | | 100 |
| 56) 4-Nitrophenol | 10.028 | 139 | 205315 | 93.099 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 199750 | 52.941 | ng | | 99 |
| 58) Fluorene | 10.451 | 166 | 621728 | 51.188 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.228 | 232 | 158511 | 52.441 | ng | | 98 |
| 60) Diethylphthalate | 10.328 | 149 | 664974 | 54.463 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204 | 319279 | 52.349 | ng | | 98 |
| 62) 4-Nitroaniline | 10.475 | 138 | 136249 | 45.492 | ng | | 97 |
| 63) Azobenzene | 10.604 | 77 | 696860 | 53.085 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198 | 103385 | 63.616 | ng | # | 72 |
| 66) n-Nitrosodiphenylamine | 10.563 | 169 | 537105 | 63.694 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.933 | 248 | 180766 | 62.488 | ng | | 95 |
| 68) Hexachlorobenzene | 10.998 | 284 | 190722 | 59.346 | ng | | 96 |
| 69) Atrazine | 11.092 | 200 | 158693 | 56.762 | ng | | 99 |
| 70) Pentachlorophenol | 11.192 | 266 | 193532 | 101.771 | ng | | 96 |
| 71) Phenanthrene | 11.416 | 178 | 804551 | 56.581 | ng | | 100 |
| 72) Anthracene | 11.463 | 178 | 829170 | 58.744 | ng | | 99 |
| 73) Carbazole | 11.622 | 167 | 646548 | 50.971 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.945 | 149 | 901074 | 61.627 | ng | | 100 |
| 75) Fluoranthene | 12.598 | 202 | 684789 | 47.196 | ng | | 98 |
| 77) Benzidine | 12.722 | 184 | 215092 | 54.303 | ng | | 100 |
| 78) Pyrene | 12.827 | 202 | 682835 | 42.846 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.439 | 149 | 294380 | 61.404 | ng | | 94 |
| 81) Benzo(a)anthracene | 14.010 | 228 | 594152 | 56.402 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.974 | 252 | 129603 | 47.746 | ng | | 99 |
| 83) Chrysene | 14.051 | 228 | 573953 | 57.594 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.998 | 149 | 415825 | 81.326 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.610 | 149 | 718258 | 88.923 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.957 | 276 | 551153 | 42.107 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.063 | 252 | 608488 | 55.447 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.092 | 252 | 597920 | 55.864 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.427 | 252 | 564741 | 58.580 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.974 | 278 | 450067 | 42.035 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.404 | 276 | 391070 | 34.444 | ng | | 97 |

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

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