

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP090921\  
 Data File : BP006955.D  
 Acq On : 10 Sep 2021 23:10  
 Operator : CG/JU  
 Sample : M3651-09MSD  
 Misc :  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBKM3MSD

Manual Integrations  
 APPROVED

mohammad  
 9/13/2021 10:22:28 AM

Quant Time: Sep 11 00:35:33 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SFAM-EPA-BP090821.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 09 11:07:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.934  | 152  | 347420   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.734 | 136  | 1409210  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.557 | 164  | 856387   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.304 | 188  | 1727728  | 20.000 | ng/u1  | #-0.01   |
| 79) Chrysene-d12              | 21.386 | 240  | 1671238  | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 23.821 | 264  | 1697046  | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.375  | 96   | 22406    | 2.566  | ng/uL  | 0.01     |
| 4) Pyridine-d5                | 3.793  | 84   | 189951   | 8.349  | ng/u1  | 0.01     |
| 7) Phenol-d5                  | 7.093  | 99   | 247687   | 9.700  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.263  | 67   | 578781   | 39.467 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.463  | 132  | 650282   | 31.546 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.640  | 113  | 428253   | 21.357 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.093  | 128  | 382835   | 44.851 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.816  | 143  | 381599   | 45.409 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.351 | 165  | 742230   | 37.458 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.869 | 131  | 959540   | 35.017 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.969 | 166  | 2481213  | 44.734 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.251 | 160  | 2941931  | 41.879 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.739 | 143  | 111805   | 11.603 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.551 | 176  | 2103351  | 42.967 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.663 | 200  | 386081   | 50.514 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.404 | 188  | 3388736  | 47.376 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.633 | 212  | 3928997  | 50.199 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 23.663 | 264  | 3834109  | 46.832 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.405  | 88   | 52075    | 5.360  | ng/uL  | 91       |
| 5) Pyridine                   | 3.811  | 79   | 204353   | 8.954  | ng/u1# | 80       |
| 6) Benzaldehyde               | 7.075  | 77   | 655954   | 40.314 | ng/u1  | 86       |
| 8) Phenol                     | 7.116  | 94   | 279586   | 10.592 | ng/u1  | 91       |
| 10) Bis(2-Chloroethyl)ether   | 7.358  | 93   | 811927   | 38.421 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.499  | 128  | 671497   | 31.752 | ng/u1  | 92       |
| 13) 2-Methylphenol            | 8.375  | 108  | 501544   | 25.021 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.469  | 45   | 981624   | 40.216 | ng/u1  | 98       |
| 16) Acetophenone              | 8.757  | 105  | 1232614  | 40.083 | ng/u1  | 91       |
| 17) N-Nitroso-di-n-propyla... | 8.746  | 70   | 583497   | 40.725 | ng/u1# | 97       |
| 18) 4-Methylphenol            | 8.699  | 108  | 478865   | 22.274 | ng/u1  | 99       |
| 19) Hexachloroethane          | 9.016  | 117  | 293273   | 34.054 | ng/u1# | 82       |
| 22) Nitrobenzene              | 9.134  | 77   | 879090   | 42.560 | ng/u1# | 89       |
| 23) Isophorone                | 9.663  | 82   | 1650072  | 40.223 | ng/u1  | 95       |
| 25) 2-Nitrophenol             | 9.846  | 139  | 426812   | 45.441 | ng/u1# | 85       |
| 26) 2,4-Dimethylphenol        | 9.904  | 107  | 671516   | 29.510 | ng/u1  | 92       |
| 27) Bis(2-Chloroethoxy)met... | 10.146 | 93   | 1072382  | 39.490 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.381 | 162  | 729462   | 37.173 | ng/u1# | 94       |
| 30) Naphthalene               | 10.787 | 128  | 2538275  | 37.133 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.893 | 127  | 974183   | 34.905 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.075 | 225  | 455554   | 33.651 | ng/u1  | 98       |
| 34) Caprolactam               | 11.675 | 113  | 23399m   | 4.000  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.004 | 107  | 705199   | 35.431 | ng/u1  | 90       |
| 36) 2-Methylnaphthalene       | 12.393 | 142  | 1832455  | 39.983 | ng/u1  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.610 | 142  | 1763462  | 37.720 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.757 | 216  | 965353   | 39.366 | ng/ul# | 94       |
| 40) Hexachlorocyclopentadiene | 12.740 | 237  | 417779   | 26.397 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.993 | 196  | 621721   | 43.803 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.057 | 196  | 680260   | 42.993 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.398 | 154  | 2364623  | 39.657 | ng/ul# | 97       |
| 44) 2-Chloronaphthalene       | 13.440 | 162  | 1820195  | 39.594 | ng/ul  | 91       |
| 45) 2-Nitroaniline            | 13.640 | 65   | 506051   | 54.160 | ng/ul# | 78       |
| 47) Dimethylphthalate         | 14.016 | 163  | 2470076  | 44.156 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.134 | 165  | 494952   | 52.978 | ng/ul# | 75       |
| 50) Acenaphthylene            | 14.281 | 152  | 2773911  | 38.057 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.457 | 138  | 495376   | 46.256 | ng/ul  | 84       |
| 52) Acenaphthene              | 14.622 | 153  | 2009713  | 41.640 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.663 | 184  | 216132   | 41.181 | ng/ul# | 75       |
| 55) 4-Nitrophenol             | 14.757 | 109  | 86498m   | 12.212 | ng/ul  |          |
| 56) Dibenzofuran              | 14.957 | 168  | 2850299  | 40.925 | ng/ul# | 86       |
| 57) 2,4-Dinitrotoluene        | 14.916 | 165  | 718351   | 53.804 | ng/ul# | 76       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.181 | 232  | 595752   | 46.727 | ng/ul# | 77       |
| 59) Diethylphthalate          | 15.381 | 149  | 2498230  | 45.867 | ng/ul  | 95       |
| 61) Fluorene                  | 15.604 | 166  | 2392298  | 43.096 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.598 | 204  | 1192073  | 42.124 | ng/ul# | 80       |
| 63) 4-Nitroaniline            | 15.622 | 138  | 550345   | 51.472 | ng/ul# | 82       |
| 66) 4,6-Dinitro-2-methylph... | 15.681 | 198  | 393149   | 50.522 | ng/ul# | 76       |
| 67) N-Nitrosodiphenylamine    | 15.810 | 169  | 2106374  | 46.290 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.492 | 248  | 738369   | 45.204 | ng/ul# | 85       |
| 69) Hexachlorobenzene         | 16.610 | 284  | 849432   | 44.847 | ng/ul# | 87       |
| 70) Atrazine                  | 16.769 | 200  | 781729   | 45.364 | ng/ul  | 95       |
| 71) Pentachlorophenol         | 16.951 | 266  | 479422   | 44.191 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.351 | 178  | 3918576  | 45.530 | ng/ul  | 99       |
| 74) Anthracene                | 17.439 | 178  | 3985245  | 46.585 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.363 | 216  | 999689   | 41.283 | ng/ul  | 99       |
| 76) Pentachlorobenzene        | 14.875 | 250  | 948942   | 40.484 | ng/ul  | 99       |
| 77) Carbazole                 | 17.710 | 167  | 3625179  | 47.681 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.263 | 149  | 4237464  | 49.175 | ng/ul# | 98       |
| 80) Fluoranthene              | 19.310 | 202  | 4651582  | 47.784 | ng/ul  | 95       |
| 82) Pyrene                    | 19.663 | 202  | 4774252  | 47.814 | ng/ul  | 95       |
| 83) Butylbenzylphthalate      | 20.533 | 149  | 1842585  | 52.996 | ng/ul# | 90       |
| 84) 3,3'-Dichlorobenzidine    | 21.304 | 252  | 1541074  | 44.439 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.374 | 228  | 4626867  | 47.551 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.298 | 149  | 2783518  | 53.703 | ng/ul# | 94       |
| 87) Chrysene                  | 21.427 | 228  | 4442283  | 46.134 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.233 | 149  | 4772235  | 54.411 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.074 | 252  | 4707780  | 47.410 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.127 | 252  | 4783739  | 51.466 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 23.715 | 252  | 4296536  | 44.971 | ng/ul# | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.368 | 276  | 5473525  | 49.386 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.386 | 278  | 4605237  | 48.025 | ng/ul  | 97       |
| 96) Benzo(g,h,i)perylene      | 27.151 | 276  | 4517475  | 47.526 | ng/ul  | 96       |

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

mohammad  
9/13/2021 10:22:28 AM

Abundance

TIC: BP006955.D\data.ms

Time-->

1,4-Dioxane-d8, S  
Pyridine-d5, S  
Phenanthrene-d8, S  
Benzaldehyde  
2-Methylnaphthalene  
2,3-Dichlorobenzene-d4, I  
1,4-Dichlorobenzene-d4, I  
2,2,6,6-Tetramethylpropane  
Acetophenone  
Nitrochlorobenzene  
2,3-Dichlorobenzene  
2,4-Dichlorobenzene  
2,5-Dichlorobenzene  
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