

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN013025\  
 Data File : BN036131.D  
 Acq On : 30 Jan 2025 13:49  
 Operator : RC/JU  
 Sample : SST00505  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SST005245

Quant Time: Jan 30 16:36:44 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN013025.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jan 30 15:42:04 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2025  
 Supervised By :mohammad ahmed 02/04/2025

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.793  | 152  | 106867   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.587 | 136  | 411479   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.434 | 164  | 276600   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.181 | 188  | 566730   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.427 | 240  | 576394   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.457 | 264  | 534987   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.258  | 96   | 5033     | 1.912  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/u1  |          |
| 7) Phenol-d5                  | 0.000  | 99   | 0d       | 0.000  | ng/u1  |          |
| 9) Bis-(2-Chloroethyl)eth...  | 0.000  | 67   | 0d       | 0.000  | ng/u1  |          |
| 11) 2-Chlorophenol-d4         | 7.340  | 132  | 32144    | 5.026  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 0.000  | 113  | 0d       | 0.000  | ng/u1  |          |
| 21) Nitrobenzene-d5           | 8.946  | 128  | 15179    | 5.094  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.669  | 143  | 16623    | 5.784  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.234 | 165  | 30616    | 4.944  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 0.000  | 131  | 0d       | 0.000  | ng/u1  |          |
| 46) Dimethylphthalate-d6      | 13.845 | 166  | 100283   | 5.237  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.128 | 160  | 109381   | 4.719  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 0.000  | 143  | 0d       | 0.000  | ng/u1  |          |
| 60) Fluorene-d10              | 15.428 | 176  | 84263    | 4.920  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 0.000  | 200  | 0d       | 0.000  | ng/u1  |          |
| 73) Anthracene-d10            | 17.275 | 188  | 132332   | 4.738  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.575 | 212  | 159891   | 5.215  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.239 | 264  | 134743   | 5.072  | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.299  | 88   | 5261     | 1.846  | ng/uL# | 87       |
| 12) 2-Chlorophenol            | 7.369  | 128  | 33427    | 4.996  | ng/u1  | 93       |
| 17) N-Nitroso-di-n-propyla... | 8.599  | 70   | 28450    | 5.701  | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.875  | 117  | 15232    | 4.829  | ng/u1  | 89       |
| 22) Nitrobenzene              | 8.987  | 77   | 43785    | 5.194  | ng/u1  | 96       |
| 23) Isophorone                | 9.516  | 82   | 74649    | 5.299  | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.699  | 139  | 18192    | 5.563  | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.781  | 107  | 39794    | 5.158  | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 9.999  | 93   | 46579    | 5.596  | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.257 | 162  | 31676    | 4.976  | ng/u1  | 99       |
| 30) Naphthalene               | 10.634 | 128  | 108899   | 4.973  | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.934 | 225  | 24504    | 4.648  | ng/u1  | 98       |
| 35) 4-Chloro-3-methylphenol   | 11.910 | 107  | 36004    | 5.478  | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.251 | 142  | 76437    | 5.280  | ng/u1  | 95       |
| 37) 1-Methylnaphthalene       | 12.475 | 142  | 73419    | 5.136  | ng/u1  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.622 | 216  | 42540    | 4.447  | ng/u1  | 94       |
| 41) 2,4,6-Trichlorophenol     | 12.875 | 196  | 26265    | 5.024  | ng/u1  | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.975 | 196  | 27909    | 4.813  | ng/u1  | 94       |
| 43) 1,1'-Biphenyl             | 13.269 | 154  | 101026   | 4.838  | ng/u1  | 97       |
| 44) 2-Chloronaphthalene       | 13.304 | 162  | 79607    | 4.766  | ng/u1  | 96       |
| 45) 2-Nitroaniline            | 13.510 | 65   | 24131    | 5.531  | ng/u1  | 99       |
| 47) Dimethylphthalate         | 13.893 | 163  | 102203   | 5.316  | ng/u1  | 97       |
| 48) 2,6-Dinitrotoluene        | 14.004 | 165  | 17834    | 5.323  | ng/u1  | 88       |
| 50) Acenaphthylene            | 14.151 | 152  | 118540   | 4.841  | ng/u1  | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 52) Acenaphthene              | 14.498 | 153  | 87354    | 4.936 | ng/ul | 98       |
| 56) Dibenzofuran              | 14.834 | 168  | 121256   | 4.972 | ng/ul | 97       |
| 57) 2,4-Dinitrotoluene        | 14.793 | 165  | 27071    | 5.448 | ng/ul | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.069 | 232  | 24142    | 5.524 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.257 | 149  | 105700   | 5.608 | ng/ul | 97       |
| 61) Fluorene                  | 15.481 | 166  | 98982    | 5.069 | ng/ul | 95       |
| 62) 4-Chlorophenyl-phenyle... | 15.481 | 204  | 50416    | 5.054 | ng/ul | 96       |
| 67) N-Nitrosodiphenylamine    | 15.692 | 169  | 83681    | 4.951 | ng/ul | 97       |
| 68) 4-Bromophenyl-phenylether | 16.375 | 248  | 29466    | 4.983 | ng/ul | 97       |
| 69) Hexachlorobenzene         | 16.487 | 284  | 32009    | 4.824 | ng/ul | 96       |
| 72) Phenanthrene              | 17.222 | 178  | 157405   | 4.913 | ng/ul | 99       |
| 74) Anthracene                | 17.316 | 178  | 158104   | 4.958 | ng/ul | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.234 | 216  | 41355    | 4.358 | ng/uL | 94       |
| 76) Pentachlorobenzene        | 14.757 | 250  | 41426    | 4.571 | ng/uL | 95       |
| 78) Di-n-butylphthalate       | 18.151 | 149  | 187580   | 6.323 | ng/ul | 100      |
| 80) Fluoranthene              | 19.239 | 202  | 183079   | 5.146 | ng/ul | 100      |
| 82) Pyrene                    | 19.604 | 202  | 196167   | 5.105 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.510 | 149  | 85121    | 7.750 | ng/ul | 100      |
| 85) Benzo(a)anthracene        | 21.410 | 228  | 196368   | 5.101 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.339 | 149  | 127114   | 7.774 | ng/ul | 99       |
| 87) Chrysene                  | 21.469 | 228  | 184949   | 4.988 | ng/ul | 99       |
| 90) Benzo(b)fluoranthene      | 23.492 | 252  | 173568   | 5.467 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.557 | 252  | 169764   | 5.238 | ng/ul | 100      |
| 93) Benzo(a)pyrene            | 24.310 | 252  | 150514   | 5.004 | ng/ul | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.862 | 276  | 156994   | 4.226 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.927 | 278  | 128593m  | 4.323 | ng/ul |          |
| 96) Benzo(g,h,i)perylene      | 28.927 | 276  | 120811   | 4.150 | ng/ul | 97       |

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

