



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP032823\  
 Data File : BP014337.D  
 Acq On : 28 Mar 2023 11:15  
 Operator : CG/JU  
 Sample : SSTD00541  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD005624

Quant Time: Mar 29 00:58:42 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP032823.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Mar 29 00:54:55 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/29/2023  
 Supervised By :Jagrut Upadhyay 03/29/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.028  | 152  | 138281   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.857 | 136  | 576664   | 20.000 | ng/u1  | 0.01     |
| 38) Acenaphthene-d10          | 14.681 | 164  | 377373   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.445 | 188  | 817514   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.527 | 240  | 626471   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.057 | 264  | 603211   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.399  | 96   | 6963     | 1.953  | 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         | 7.564  | 132  | 40449    | 4.388  | ng/u1  | 0.01     |
| 15) 4-Methylphenol-d8         | 0.000  | 113  | 0d       | 0.000  | ng/u1  |          |
| 21) Nitrobenzene-d5           | 9.210  | 128  | 19335    | 4.153  | ng/u1  | 0.01     |
| 24) 2-Nitrophenol-d4          | 9.940  | 143  | 21696    | 4.070  | ng/u1  | 0.01     |
| 28) 2,4-Dichlorophenol-d3     | 10.487 | 165  | 42189    | 4.346  | ng/u1  | 0.02     |
| 31) 4-Chloroaniline-d4        | 0.000  | 131  | 0d       | 0.000  | ng/u1  |          |
| 46) Dimethylphthalate-d6      | 14.087 | 166  | 144920   | 4.736  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.375 | 160  | 149970   | 4.417  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 0.000  | 143  | 0d       | 0.000  | ng/u1  |          |
| 60) Fluorene-d10              | 15.675 | 176  | 123174   | 4.827  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 0.000  | 200  | 0d       | 0.000  | ng/u1  |          |
| 73) Anthracene-d10            | 17.545 | 188  | 185526   | 4.689  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.769 | 212  | 194633   | 4.625  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.892 | 264  | 144804   | 4.518  | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.440  | 88   | 7825     | 1.997  | ng/uL  | 89       |
| 12) 2-Chlorophenol            | 7.593  | 128  | 44100    | 4.597  | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.846  | 70   | 40943    | 4.462  | ng/u1  | 95       |
| 19) Hexachloroethane          | 9.116  | 117  | 18967    | 4.525  | ng/u1  | 94       |
| 22) Nitrobenzene              | 9.252  | 77   | 58498    | 4.374  | ng/u1  | 97       |
| 23) Isophorone                | 9.775  | 82   | 107439   | 4.358  | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.969  | 139  | 23785    | 4.227  | ng/u1  | 94       |
| 26) 2,4-Dimethylphenol        | 10.028 | 107  | 56129m   | 4.478  | ng/u1  |          |
| 27) Bis(2-Chloroethoxy)met... | 10.257 | 93   | 69787    | 4.722  | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.510 | 162  | 42727    | 4.472  | ng/u1  | 90       |
| 30) Naphthalene               | 10.905 | 128  | 154034   | 4.795  | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.181 | 225  | 36482    | 4.820  | ng/u1  | 99       |
| 35) 4-Chloro-3-methylphenol   | 12.152 | 107  | 51771    | 4.406  | ng/u1  | 96       |
| 36) 2-Methylnaphthalene       | 12.510 | 142  | 103261   | 4.744  | ng/u1  | 94       |
| 37) 1-Methylnaphthalene       | 12.728 | 142  | 102708   | 4.757  | ng/u1  | 97       |
| 39) 1,2,4,5-Tetrachloroben... | 12.875 | 216  | 63226    | 4.699  | ng/u1  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.122 | 196  | 36558m   | 4.396  | ng/u1  |          |
| 42) 2,4,5-Trichlorophenol     | 13.210 | 196  | 37691    | 4.252  | ng/u1  | 91       |
| 43) 1,1'-Biphenyl             | 13.516 | 154  | 146569   | 4.807  | ng/u1  | 99       |
| 44) 2-Chloronaphthalene       | 13.563 | 162  | 116792   | 4.845  | ng/u1  | 99       |
| 45) 2-Nitroaniline            | 13.775 | 65   | 30105m   | 4.055  | ng/u1  |          |
| 47) Dimethylphthalate         | 14.134 | 163  | 147917   | 4.835  | ng/u1# | 98       |
| 48) 2,6-Dinitrotoluene        | 14.263 | 165  | 24712    | 4.134  | ng/u1# | 86       |
| 50) Acenaphthylene            | 14.404 | 152  | 162422   | 4.492  | ng/u1  | 97       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP032823\  
 Data File : BP014337.D  
 Acq On : 28 Mar 2023 11:15  
 Operator : CG/JU  
 Sample : SSTD00541  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD005624

Quant Time: Mar 29 00:58:42 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP032823.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Mar 29 00:54:55 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/29/2023  
 Supervised By : Jagrut Upadhyay 03/29/2023

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 52) Acenaphthene              | 14.745 | 153  | 124141   | 4.859 | ng/ul  | 98       |
| 56) Dibenzofuran              | 15.081 | 168  | 178124   | 4.959 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.051 | 165  | 35210    | 4.153 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.316 | 232  | 35053    | 4.400 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.493 | 149  | 145704   | 4.793 | ng/ul  | 97       |
| 61) Fluorene                  | 15.734 | 166  | 144813   | 4.974 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.722 | 204  | 76891    | 4.916 | ng/ul  | 98       |
| 67) N-Nitrosodiphenylamine    | 15.940 | 169  | 117365   | 4.614 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.622 | 248  | 47570    | 4.676 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.740 | 284  | 55879    | 4.782 | ng/ul  | 100      |
| 72) Phenanthrene              | 17.487 | 178  | 217668   | 4.786 | ng/ul  | 99       |
| 74) Anthracene                | 17.581 | 178  | 217774   | 4.751 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.481 | 216  | 64662    | 4.493 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.998 | 250  | 67364    | 4.691 | ng/uL  | 98       |
| 78) Di-n-butylphthalate       | 18.381 | 149  | 208808   | 4.329 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.445 | 202  | 228563   | 4.594 | ng/ul  | 98       |
| 82) Pyrene                    | 19.798 | 202  | 254435   | 4.898 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.657 | 149  | 72044    | 4.026 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.516 | 228  | 208421   | 4.695 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.410 | 149  | 97189    | 3.972 | ng/ul  | 99       |
| 87) Chrysene                  | 21.569 | 228  | 196837   | 4.696 | ng/ul  | 98       |
| 90) Benzo(b)fluoranthene      | 23.280 | 252  | 184882   | 4.538 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.333 | 252  | 187090   | 4.728 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 23.939 | 252  | 157848   | 4.501 | ng/ul# | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.715 | 276  | 226496   | 4.695 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.727 | 278  | 193914   | 4.801 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 27.527 | 276  | 188462   | 4.792 | ng/ul  | 98       |

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