

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072624\  
 Data File : VV036714.D  
 Acq On : 25 Jul 2024 17:55  
 Operator : SY/MD  
 Sample : P3328-16  
 Misc : 9.17g/10mL/MSVOA\_V/SOIL/A  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 26 05:02:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jul 25 00:49:57 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.532  | 114   | 370084   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.783  | 117   | 193146   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152   | 27723    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.272  | 65    | 58797    | 14.506   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 58.040%   |
| 7) Chloroethane-d5            | 1.526  | 69    | 69899    | 19.093   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 76.360%   |
| 11) 1,1-Dichloroethene-d2     | 2.047  | 65    | 29675    | 13.846   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 55.400%   |
| 21) 2-Butanone-d5             | 3.809  | 46    | 38565    | 40.768   | ug/L   | -0.04     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 81.540%   |
| 24) Chloroform-d              | 4.243  | 84    | 206720   | 21.120   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 84.480%   |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 114623   | 23.738   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 94.960%   |
| 32) Benzene-d6                | 4.953  | 84    | 285380   | 31.175   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 124.720%  |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67    | 97793    | 37.493   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 149.960%# |
| 41) Toluene-d8                | 7.243  | 98    | 155724   | 17.826   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 71.320%   |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 34477    | 29.734   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 118.920%  |
| 47) 2-Hexanone-d5             | 8.031  | 63    | 37631    | 108.409  | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 216.820%# |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153 | 84    | 70664    | 31.084   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 124.320%# |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152   | 23387    | 24.166   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 96.680%   |
| Target Compounds              |        |       |          |          |        |           |
| 5) Vinyl chloride             | 1.275  | 62    | 47333    | 7.927    | ug/L   | 98        |
| 12) 1,1-Dichloroethene        | 2.060  | 96    | 8083     | 1.416    | ug/L # | 1         |
| 16) Methylene chloride        | 2.439  | 84    | 107880   | 15.667   | ug/L   | 96        |
| 17) trans-1,2-Dichloroethene  | 2.687  | 96    | 119488   | 20.723   | ug/L   | 99        |
| 20) cis-1,2-Dichloroethene    | 3.802  | 96    | 10064807 | 1671.455 | ug/L   | 96        |
| 34) Trichloroethene           | 5.834  | 95    | 23424921 | 6525.844 | ug/L   | 96        |
| 35) Methylcyclohexane         | 5.986  | 83    | 25226    | 5.278    | ug/L # | 23        |
| 42) Toluene                   | 7.333  | 91    | 10580    | 0.871    | ug/L   | 90        |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97    | 26606    | 10.807   | ug/L   | 93        |
| 46) Tetrachloroethene         | 7.908  | 164   | 2169     | 0.609    | ug/L   | 91        |
| 48) 2-Hexanone                | 8.031  | 43    | 4236     | 4.583    | ug/L # | 74        |
| 49) Dibromochloromethane      | 7.912  | 129   | 1870     | 0.603    | ug/L # | 11        |
| 61) 1,2,3-Trichloropropane    | 11.185 | 75    | 2793     | 5.715    | ug/L # | 57        |
| 71) Naphthalene               | 13.464 | 128   | 750      | 0.415    | ug/L # | 69        |

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

