

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082718\  
 Data File : VW004967.D  
 Acq On : 27 Aug 2018 16:07  
 Operator : SY/AP  
 Sample : J4649-05  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAB90

Quant Time: Aug 28 04:46:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082218S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 28 01:39:39 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 561620   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 597944   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 323576   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 204301   | 19.25    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.00%  |
| 7) Chloroethane-d5             | 2.88   | 69    | 158157   | 20.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.40%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 274268   | 20.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 80.92%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 115492   | 53.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 106.92% |
| 24) Chloroform-d               | 7.65   | 84    | 259369   | 20.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 83.20%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 149713   | 22.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 88.40%  |
| 29) Benzene-d6                 | 8.28   | 84    | 652780   | 21.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 84.88%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 194155   | 21.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 85.92%  |
| 37) Toluene-d8                 | 10.33  | 98    | 715565   | 21.96    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 87.84%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 83545    | 21.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 85.96%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 118377   | 52.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 105.74% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 210003   | 23.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 92.52%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 294673   | 22.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 90.68%  |

## Target Compounds

| Target Compounds             | R.T. | QIon | Response | Conc  | Units | Ovalue |
|------------------------------|------|------|----------|-------|-------|--------|
| 3) Chloromethane             | 2.21 | 50   | 236398   | 19.74 | ug/L  | 98     |
| 6) Bromomethane              | 2.78 | 94   | 65777    | 10.35 | ug/L  | 99     |
| 9) Trichlorofluoromethane    | 3.26 | 101  | 179650   | 14.64 | ug/L  | 99     |
| 12) 1,1-Dichloroethene       | 4.04 | 96   | 145060   | 22.19 | ug/L  | 94     |
| 13) Acetone                  | 4.15 | 43   | 79419    | 47.46 | ug/L  | 100    |
| 15) Methyl Acetate           | 4.68 | 43   | 155873   | 41.19 | ug/L  | 97     |
| 16) Methylene chloride       | 4.92 | 84   | 130093   | 11.95 | ug/L  | 95     |
| 17) Methyl tert-butyl Ether  | 5.43 | 73   | 490132   | 34.70 | ug/L  | 98     |
| 18) trans-1,2-Dichloroethene | 5.43 | 96   | 73023    | 10.73 | ug/L  | 99     |
| 22) cis-1,2-Dichloroethene   | 7.18 | 96   | 188776   | 25.69 | ug/L  | 91     |
| 23) Bromochloromethane       | 7.52 | 128  | 58842    | 15.17 | ug/L  | 95     |
| 27) 1,2-Dichloroethane       | 8.40 | 62   | 79791    | 9.77  | ug/L  | 98     |
| 30) Cyclohexane              | 7.96 | 56   | 125783   | 9.88  | ug/L  | 96     |
| 31) 1,1,1-Trichloroethane    | 7.88 | 97   | 115851   | 10.06 | ug/L  | 99     |
| 32) Carbon tetrachloride     | 8.07 | 117  | 128848   | 12.51 | ug/L  | 100    |
| 35) Trichloroethene          | 9.10 | 95   | 319451   | 37.68 | ug/L  | 99     |
| 36) Methylcyclohexane        | 9.34 | 83   | 368506   | 23.50 | ug/L  | 99     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 40) 1,2-Dichloropropane        | 9.37  | 63   | 99343    | 11.85 | ug/L  | 98       |
| 41) Bromodichloromethane       | 9.65  | 83   | 180119   | 19.49 | ug/L  | 99       |
| 42) cis-1,3-Dichloropropene    | 10.08 | 75   | 191628   | 16.46 | ug/L  | 97       |
| 44) Toluene                    | 10.39 | 91   | 841665   | 20.56 | ug/L  | 99       |
| 45) trans-1,3-Dichloropropene  | 10.61 | 75   | 81176    | 7.69  | ug/L  | 99       |
| 47) Tetrachloroethene          | 10.87 | 164  | 334693   | 40.33 | ug/L  | 96       |
| 49) 2-Hexanone                 | 10.98 | 43   | 178278   | 37.26 | ug/L  | 99       |
| 50) Dibromochloromethane       | 11.13 | 129  | 138449   | 19.05 | ug/L  | 97       |
| 53) Ethylbenzene               | 11.74 | 91   | 681907   | 14.80 | ug/L  | 97       |
| 54) m,p-Xylene                 | 11.85 | 106  | 185028   | 10.35 | ug/L  | 96       |
| 55) o-xylene                   | 12.17 | 106  | 209648   | 12.55 | ug/L  | 97       |
| 57) Isopropylbenzene           | 12.47 | 105  | 546793   | 12.26 | ug/L  | 99       |
| 63) 1,3-Dichlorobenzene        | 13.51 | 146  | 441283   | 19.79 | ug/L  | 97       |
| 65) 1,2-Dichlorobenzene        | 13.88 | 146  | 214651   | 10.05 | ug/L  | 98       |
| 66) 1,2-Dibromo-3-chloropropan | 14.49 | 75   | 35675    | 19.69 | ug/L  | 94       |
| -----                          |       |      |          |       |       |          |

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

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