

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092920\  
 Data File : VW016695.D  
 Acq On : 29 Sep 2020 18:38  
 Operator : SY/VA  
 Sample : L4184-07  
 Misc : 3.86G/10ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AM2

Manual Integrations  
 APPROVED

MMDadoda  
 10/1/2020 2:43:16 PM

Quant Time: Sep 30 08:49:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091520S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 30 07:14:58 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 650209   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 572754   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 272215   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.37   | 65    | 120439   | 19.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 76.56%  |
| 7) Chloroethane-d5             | 2.91   | 69    | 114393   | 22.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.04%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 204348   | 14.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 58.08%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 67359    | 39.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 78.52%  |
| 24) Chloroform-d               | 7.66   | 84    | 320559   | 23.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 94.28%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 159892   | 22.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 91.60%  |
| 29) Benzene-d6                 | 8.28   | 84    | 623605   | 24.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 97.12%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 173220   | 24.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 99.52%  |
| 37) Toluene-d8                 | 10.33  | 98    | 587371   | 23.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 92.96%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 68757    | 19.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 78.36%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 53787    | 42.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 84.96%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 131276   | 22.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 88.64%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 224785   | 25.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 103.36% |

| Target Compounds       |      |    |        | Ovalue     |
|------------------------|------|----|--------|------------|
| 13) Acetone            | 4.13 | 43 | 3115m  | 2.317 ug/L |
| 16) Methylene chloride | 4.93 | 84 | 11276m | 1.124 ug/L |

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

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