

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092920\  
 Data File : VX018667.D  
 Acq On : 29 Sep 2020 19:04  
 Operator : JC/SP  
 Sample : L4143-13  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BG0E0

Quant Time: Sep 30 07:05:45 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR092820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Sep 30 04:47:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 235520   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 228072   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 99812    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 48167    | 3.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 78.20%  |
| 7) Chloroethane-d5             | 1.70   | 69    | 44201    | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 91671    | 3.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.40%  |
| 20) 2-Butanone-d5              | 4.56   | 46    | 164208   | 52.25    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 104.50% |
| 24) Chloroform-d               | 5.14   | 84    | 129668   | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.80%  |
| 26) 1,2-Dichloroethane-d4      | 6.03   | 65    | 73727    | 4.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.60%  |
| 32) Benzene-d6                 | 6.05   | 84    | 234583   | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.20%  |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 73351    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.40%  |
| 41) Toluene-d8                 | 8.70   | 98    | 206302   | 3.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 78.80%  |
| 45) trans-1,3-Dichloropropene- | 8.99   | 79    | 30331    | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.00%  |
| 48) 2-Hexanone-d5              | 9.43   | 63    | 119691   | 46.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 93.70%  |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 55190    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.40%  |
| 65) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 79610    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 97.60%  |

## Target Compounds

|                              |      |    |        |               | Ovalue |
|------------------------------|------|----|--------|---------------|--------|
| 5) Vinyl chloride            | 1.39 | 62 | 5756   | 0.451 ug/L #  | 71     |
| 18) trans-1,2-Dichloroethene | 3.14 | 96 | 6871   | 0.598 ug/L    | 79     |
| 22) cis-1,2-Dichloroethene   | 4.56 | 96 | 956580 | 79.766 ug/L # | 94     |

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

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