

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021920\  
 Data File : VL034653.D  
 Acq On : 19 Feb 2020 20:18  
 Operator : SY/AP  
 Sample : L1553-01  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-1

Manual Integrations  
 APPROVED

MMDadoda  
 2/21/2020 3:24:09 PM

Quant Time: Feb 21 10:30:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Jan 30 2020  
 QLast Update : Thu Jan 30 17:16:44 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 818498   | 10.00 | ppbv  | -0.01    |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 1726972  | 10.00 | ppbv  | -0.01    |
| 55) Chlorobenzene-d5    | 12.11 | 117  | 1696782  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.44  | 95    | 1509975  | 10.53    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 105.30% |

| Target Compounds           | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|----------------------------|-------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane | 3.01  | 85   | 37291    | 0.207   | ppbv   | 96     |
| 3) Chlorodifluoromethane   | 2.94  | 51   | 34520m   | 0.349   | ppbv   |        |
| 4) Chloromethane           | 3.10  | 50   | 27271    | 0.451   | ppbv   | 99     |
| 9) Propene                 | 2.98  | 41   | 575665m  | 14.949  | ppbv   |        |
| 10) Heptane                | 8.12  | 43   | 12425m   | 0.128   | ppbv   |        |
| 11) Trichlorofluoromethane | 3.92  | 101  | 47832    | 0.292   | ppbv   | 90     |
| 13) Ethanol                | 3.57  | 45   | 1612504  | 156.332 | ppbv   | 99     |
| 15) Acetone                | 3.82  | 43   | 413092m  | 3.434   | ppbv   |        |
| 19) Isopropyl Alcohol      | 3.94  | 45   | 128580   | 1.832   | ppbv # | 91     |
| 20) Methylene Chloride     | 4.31  | 84   | 155693   | 3.399   | ppbv   | 94     |
| 26) Hexane                 | 5.67  | 57   | 175733   | 2.154   | ppbv # | 42     |
| 34) 2-Butanone             | 5.23  | 43   | 34199m   | 0.273   | ppbv   |        |
| 35) Carbon Tetrachloride   | 7.01  | 117  | 13245m   | 0.080   | ppbv   |        |
| 36) Benzene                | 6.89  | 78   | 65202    | 0.425   | ppbv # | 89     |
| 53) Toluene                | 9.82  | 91   | 662633   | 3.928   | ppbv   | 97     |
| 58) Ethyl Benzene          | 12.73 | 91   | 85688m   | 0.377   | ppbv   |        |
| 59) m/p-Xylene             | 12.99 | 91   | 302571m  | 1.507   | ppbv   |        |
| 60) o-Xylene               | 13.72 | 91   | 52821m   | 0.262   | ppbv   |        |

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

