

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\  
 Data File : VL036495.D  
 Acq On : 25 Mar 2021 20:44  
 Operator : SY/AP  
 Sample : M1748-30  
 Misc : 400ml/MSVOA L  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 UP-SG-1(2021)

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/26/2021  
 Supervised By : Mahesh Dadoda 03/29/2021

Quant Time: Mar 28 23:32:02 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Thu Mar 25 09:42:40 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1454391  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 3309979  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 2982748  | 10.00 | ppbv  | 0.00     |

## System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 2278491  | 9.58     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 95.80% |

## Target Compounds

|                                |       |     |         |        |        | Ovalue |
|--------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.05  | 85  | 42374   | 0.179  | ppbv   | 91     |
| 4) Chloromethane               | 3.13  | 50  | 36479   | 0.380  | ppbv   | 88     |
| 5) Vinyl Chloride              | 3.26  | 62  | 7985m   | 0.081  | ppbv   |        |
| 9) Propene                     | 3.01  | 41  | 44238m  | 0.511  | ppbv   |        |
| 11) Trichlorofluoromethane     | 3.95  | 101 | 68143m  | 0.282  | ppbv   |        |
| 12) 1,1,2-Trichlorotrifluoroet | 4.48  | 101 | 20965m  | 0.136  | ppbv   |        |
| 13) Ethanol                    | 3.61  | 45  | 522004  | 50.602 | ppbv   | 99     |
| 15) Acetone                    | 3.85  | 43  | 1021637 | 7.137  | ppbv   | 98     |
| 17) tert-Butyl alcohol         | 4.31  | 59  | 49660m  | 0.399  | ppbv   |        |
| 19) Isopropyl Alcohol          | 3.98  | 45  | 168261  | 2.137  | ppbv # | 72     |
| 20) Methylene Chloride         | 4.34  | 84  | 489862  | 7.309  | ppbv   | 96     |
| 26) Hexane                     | 5.69  | 57  | 596421  | 3.777  | ppbv # | 48     |
| 29) Chloroform                 | 5.75  | 83  | 59003m  | 0.234  | ppbv   |        |
| 32) 1,1,1-Trichloroethane      | 6.52  | 97  | 13507m  | 0.053  | ppbv   |        |
| 34) 2-Butanone                 | 5.25  | 43  | 87580   | 0.542  | ppbv # | 86     |
| 35) Carbon Tetrachloride       | 7.02  | 117 | 31447m  | 0.124  | ppbv   |        |
| 36) Benzene                    | 6.89  | 78  | 43313   | 0.142  | ppbv # | 81     |
| 38) Trichloroethene            | 7.83  | 130 | 239156m | 2.013  | ppbv   |        |
| 44) 2,2,4-Trimethylpentane     | 7.87  | 57  | 60214m  | 0.112  | ppbv   |        |
| 52) Tetrachloroethene          | 11.23 | 164 | 558400  | 4.967  | ppbv   | 97     |
| 53) Toluene                    | 9.81  | 91  | 65474m  | 0.201  | ppbv   |        |
| 59) m/p-Xylene                 | 12.96 | 91  | 57629m  | 0.152  | ppbv   |        |

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

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