

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL092821\  
 Data File : VL037725.D  
 Acq On : 29 Sep 2021 9:46  
 Operator : SY/AP  
 Sample : M3896-03  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 EFFLUENT

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/01/2021  
 Supervised By : Mahesh Dadoda 10/01/2021

Supervised By  
 : MMDadoda

Quant Time: Sep 30 21:10:24 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091621A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Thu Sep 16 13:42:46 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1285790  | 10.00 | ppbv  | 0.02     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 3852989  | 10.00 | ppbv  | 0.01     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 3372670  | 10.00 | ppbv  | 0.00     |

## System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 2458523  | 10.09    | ppbv | 0.01    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.90% |

## Target Compounds

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 4) Chloromethane               | 3.14  | 50   | 14464m   | 0.161   | ppbv   |        |
| 9) Propene                     | 3.02  | 41   | 61983    | 0.725   | ppbv   | 87     |
| 10) Heptane                    | 8.12  | 43   | 75547m   | 0.378   | ppbv   |        |
| 11) Trichlorofluoromethane     | 3.95  | 101  | 35004    | 0.187   | ppbv   | 90     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.48  | 101  | 21925m   | 0.159   | ppbv   |        |
| 13) Ethanol                    | 3.60  | 45   | 844067m  | 100.868 | ppbv   |        |
| 15) Acetone                    | 3.85  | 43   | 2321719  | 17.379  | ppbv   | 97     |
| 18) 1,1-Dichloroethene         | 4.29  | 96   | 59390    | 0.925   | ppbv # | 93     |
| 19) Isopropyl Alcohol          | 3.97  | 45   | 539978   | 7.429   | ppbv # | 1      |
| 20) Methylene Chloride         | 4.35  | 84   | 1761883  | 27.625  | ppbv   | 97     |
| 24) 1,1-Dichloroethane         | 5.01  | 63   | 312679   | 2.361   | ppbv # | 96     |
| 26) Hexane                     | 5.68  | 57   | 2343310  | 15.246  | ppbv # | 45     |
| 32) 1,1,1-Trichloroethane      | 6.51  | 97   | 222560m  | 1.065   | ppbv   |        |
| 34) 2-Butanone                 | 5.25  | 43   | 439137   | 2.805   | ppbv   | 92     |
| 36) Benzene                    | 6.88  | 78   | 52772m   | 0.164   | ppbv   |        |
| 41) Tetrahydrofuran            | 6.06  | 42   | 134903m  | 1.833   | ppbv   |        |
| 51) 2-Hexanone                 | 10.14 | 43   | 191757m  | 2.187   | ppbv   |        |
| 52) Tetrachloroethene          | 11.21 | 164  | 6817m    | 0.055   | ppbv   |        |
| 53) Toluene                    | 9.80  | 91   | 418652   | 1.172   | ppbv   | 99     |
| 58) Ethyl Benzene              | 12.71 | 91   | 228104m  | 0.509   | ppbv   |        |
| 59) m/p-Xylene                 | 12.96 | 91   | 537517m  | 1.378   | ppbv   |        |
| 60) o-Xylene                   | 13.68 | 91   | 260784   | 0.702   | ppbv   | 99     |
| 61) Styrene                    | 13.52 | 104  | 121874   | 0.666   | ppbv # | 88     |
| 62) Isopropylbenzene           | 14.66 | 105  | 49569m   | 0.096   | ppbv   |        |
| 73) 1,3,5-Trimethylbenzene     | 15.99 | 105  | 47490m   | 0.120   | ppbv   |        |
| 74) 1,2,4-Trimethylbenzene     | 16.75 | 105  | 137294m  | 0.328   | ppbv   |        |

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

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