

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020321\
 Data File : VL036308.D
 Acq On : 4 Feb 2021 00:34
 Operator : SY/AP
 Sample : M1295-03
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-INTERMEDIATE-2

Manual Integrations
 APPROVED

MMDadoda
 2/4/2021 5:15:27 PM

Quant Time: Feb 04 01:49:17 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL011321AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021

QLast Update : Thu Jan 14 16:13:38 2021

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.680	49	1571658	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.195	114	3291725	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.111	117	2986486	10.00	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.442	95	2463927	9.97	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.060	85	51590m	0.24	ppbv	
3) Chlorodifluoromethane	2.999	51	89472	0.46	ppbv #	89
4) Chloromethane	3.150	50	67136	0.70	ppbv	91
5) Vinyl Chloride	3.269	62	6130m	0.07	ppbv	
9) Propene	3.031	41	56141	0.61	ppbv #	83
11) Trichlorofluoromethane	3.963	101	46070m	0.22	ppbv	
13) Ethanol	3.626	45	582874	40.38	ppbv	89
15) Acetone	3.864	43	877711	4.56	ppbv	96
19) Isopropyl Alcohol	3.999	45	178046m	1.53	ppbv	
20) Methylene Chloride	4.359	84	615696	10.02	ppbv	96
26) Hexane	5.703	57	532775	3.31	ppbv #	44
31) cis-1,2-Dichloroethene	5.568	61	144061	0.94	ppbv	92
34) 2-Butanone	5.262	43	1007426	4.16	ppbv	99
35) Carbon Tetrachloride	7.028	117	17252m	0.08	ppbv	
36) Benzene	6.909	78	56442m	0.19	ppbv	
41) Tetrahydrofuran	6.073	42	84255m	0.60	ppbv	
52) Tetrachloroethene	11.243	164	3608m	0.03	ppbv	
53) Toluene	9.825	91	1362271	4.04	ppbv	100
59) m/p-Xylene	12.995	91	40522m	0.11	ppbv	

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

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The chromatogram displays a series of peaks corresponding to different chemical compounds. The y-axis represents 'Abundance' ranging from 0 to 5,600,000. The x-axis represents 'Time-->' in minutes, ranging from 0 to 26.00. The following table lists the labeled compounds and their approximate retention times:

Compound	Retention Time (min)
Diethylchloromethane	~3.5
Vinyl Chloride	~3.8
Ethanol	~4.2
Acetone, T	~4.5
Methylene Chloride, T	~4.8
2-Butanone, T	~5.5
dis-1,2-Dichloroethene, T	~5.8
Hexane, Bromochloromethane, I	~6.2
Tetrahydrofuran, T	~6.5
Carbon Tetrachloride, T	~7.2
1,4-Difluorobenzene, I	~7.5
Toluene, T	~10.0
Tetrachloroethene, T	~11.5
Chlorobenzene-d5, I	~12.2
m/p-Xylene, T	~13.5
1-Bromo-4-Fluorobenzene, S	~14.5