

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041018.D
 Acq On : 24 Jan 2024 16:23
 Operator : SY/MD
 Sample : P1187-13 LOD 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024

Quant Time: Jan 25 06:27:24 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Jan 25 03:13:06 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	980932	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.623	114	2419952	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2054734	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.744	95	1580176	10.182	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.902	62	2002m	0.033	ppbv	
6) Bromomethane	3.095	94	746	0.028	ppbv #	56
9) Propene	2.668	41	1266	0.023	ppbv #	1
12) 1,1,2-Trichlorotrifluo...	4.041	101	3636	0.029	ppbv #	59
16) 1,3-Butadiene	2.960	39	1749	0.029	ppbv #	10
21) Allyl Chloride	3.973	41	1651	0.022	ppbv #	1
22) trans-1,2-Dichloroethene	4.423	96	1195	0.021	ppbv #	55
32) 1,1,1-Trichloroethane	5.967	97	6369m	0.039	ppbv	
35) Carbon Tetrachloride	6.468	117	5899m	0.037	ppbv	
36) Benzene	6.336	78	5285	0.026	ppbv #	84
38) Trichloroethene	7.266	130	3091m	0.039	ppbv	
52) Tetrachloroethene	10.587	164	1807m	0.027	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.037	83	6328m	0.035	ppbv	

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

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TIC: VL041018.D\data.ms

Compound	Retention Time (min)	Approximate Abundance
Propene, I, S	1.0	100,000
1,1,1-Trichloroethane, T	1.5	100,000
1,1,2-Trichloroethane, T	2.0	100,000
trans-1,2-Dichloroethene, T	2.5	100,000
Bromochloromethane, I	5.0	1,900,000
1,1,1-Trichloroethane, T	6.0	100,000
1,4-Difluorobenzene, I	6.5	3,400,000
Perchloroethylene, T	6.8	100,000
Trichloroethene, T	7.5	100,000
Tetrachloroethene, T	11.0	100,000
Chlorobenzene-d5, I	11.5	3,300,000
1,1,1,2-Tetrachloroethane, T	13.5	100,000
1-Bromo-4-Fluorobenzene, S	13.8	3,100,000