

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062419\
 Data File : VL033933.D
 Acq On : 24 Jun 2019 12:36
 Operator : SY/AP
 Sample : QC060619 CAN 10729
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC060619 CAN 10729

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:15:32 AM

Quant Time: Jun 25 03:52:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	1031756	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.26	114	2456313	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.21	117	2588998	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	2031926	9.55	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.50%

Target Compounds

						Ovalue
3) Chlorodifluoromethane	3.00	51	13235	0.109	ppbv	98
4) Chloromethane	3.16	50	7417	0.107	ppbv	95
5) Vinyl Chloride	3.29	62	5079	0.079	ppbv	95
6) Bromomethane	3.50	94	3576	0.084	ppbv	90
7) Chloroethane	3.59	64	2349m	0.092	ppbv	
8) Dichlorotetrafluoroethane	3.21	85	15510	0.087	ppbv	98
9) Propene	3.03	41	5407m	0.119	ppbv	
10) Heptane	8.22	43	6024m	0.052	ppbv	
11) Trichlorofluoromethane	3.99	101	20086m	0.093	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.53	101	12190m	0.083	ppbv	
13) Ethanol	3.65	45	7040m	0.476	ppbv	
14) Bromoethene	3.78	108	4468	0.082	ppbv #	89
15) Acetone	3.90	43	39651	0.264	ppbv	95
16) 1,3-Butadiene	3.35	39	4446	0.078	ppbv	100
17) tert-Butyl alcohol	4.37	59	11985m	0.102	ppbv	
18) 1,1-Dichloroethene	4.33	96	4963m	0.080	ppbv	
19) Isopropyl Alcohol	4.04	45	12768m	0.149	ppbv	
20) Methylene Chloride	4.39	84	30170m	0.514	ppbv	
21) Allvl Chloride	4.47	41	6837m	0.080	ppbv	
22) trans-1,2-Dichloroethene	4.94	96	5857m	0.090	ppbv	
23) Vinyl Acetate	5.14	43	16131m	0.092	ppbv	
24) 1,1-Dichloroethane	5.07	63	10916	0.080	ppbv #	97
25) Ethyl Acetate	5.76	43	31516	0.138	ppbv #	96
26) Hexane	5.75	57	28182	0.270	ppbv #	57
27) Carbon Disulfide	4.61	76	10180m	0.070	ppbv	
28) Methyl tert-Butyl Ether	5.11	73	10073m	0.064	ppbv	
29) Chloroform	5.82	83	18737	0.105	ppbv #	76
30) Cyclohexane	7.23	84	3135m	0.043	ppbv	
31) cis-1,2-Dichloroethene	5.61	61	5674m	0.062	ppbv	
32) 1,1,1-Trichloroethane	6.60	97	15957m	0.093	ppbv	
34) 2-Butanone	5.33	43	12517m	0.090	ppbv	
35) Carbon Tetrachloride	7.11	117	16083	0.085	ppbv #	85
36) Benzene	6.98	78	14604m	0.078	ppbv	
37) 1,2-Dichloroethane	6.38	62	12377m	0.089	ppbv	
38) Trichloroethene	7.93	130	5821m	0.080	ppbv	
39) 1,2-Dichloropropane	7.71	63	6977m	0.096	ppbv	
41) Tetrahydrofuran	6.16	42	5351m	0.076	ppbv	
42) Bromodichloromethane	7.88	83	14645m	0.079	ppbv	
43) Methyl Methacrylate	8.11	69	4436m	0.063	ppbv	
44) 2,2,4-Trimethylpentane	7.96	57	18662m	0.056	ppbv	
54) 1,2-Dibromoethane	10.73	107	10476m	0.081	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) p-Isopropyltoluene	17.78	119	16166	0.041	ppbv	# 84
75) 1,3-Dichlorobenzene	17.14	146	19648	0.089	ppbv	82
76) 1,4-Dichlorobenzene	17.27	146	15251m	0.075	ppbv	
77) 1,2-Dichlorobenzene	17.95	146	15347m	0.075	ppbv	
78) Hexachloro-1,3-Butadiene	23.51	225	23777m	0.149	ppbv	
79) Naphthalene	22.38	128	19418m	0.069	ppbv	
80) Naphthalene,2-methyl-	25.10	142	17960	0.159	ppbv	94
81) 1,2,4-Trichlorobenzene	22.12	180	13897m	0.078	ppbv	

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

