

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050621\
 Data File : VL036902.D
 Acq On : 6 May 2021 14:13
 Operator : SY/AP
 Sample : M2262-13 0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/08/2021
 Supervised By : Mahesh Dadoda 05/10/2021

Quant Time: May 08 18:02:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1436531	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	3337930	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2858838	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.42 95 2329981 10.15 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.50%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	38841	0.172	ppbv	90
3) Chlorodifluoromethane	2.99	51	33533	0.128	ppbv	98
4) Chloromethane	3.14	50	10770m	0.125	ppbv	
5) Vinyl Chloride	3.26	62	10054m	0.116	ppbv	
6) Bromomethane	3.48	94	5633	0.121	ppbv #	60
7) Chloroethane	3.56	64	4042m	0.142	ppbv	
8) Dichlorotetrafluoroethane	3.19	85	27849	0.135	ppbv	99
9) Propene	3.02	41	13226m	0.166	ppbv	
10) Heptane	8.12	43	10152m	0.051	ppbv	
11) Trichlorofluoromethane	3.96	101	28974m	0.143	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.49	101	17024m	0.126	ppbv	
14) Bromoethene	3.75	108	6806m	0.123	ppbv	
15) Acetone	3.89	43	31552m	0.233	ppbv	
16) 1,3-Butadiene	3.33	39	11978m	0.138	ppbv	
17) tert-Butyl alcohol	4.38	59	12161m	0.111	ppbv	
18) 1,1-Dichloroethene	4.29	96	7157m	0.122	ppbv	
20) Methylene Chloride	4.35	84	15862m	0.245	ppbv	
22) trans-1,2-Dichloroethene	4.90	96	7318m	0.124	ppbv	
24) 1,1-Dichloroethane	5.02	63	17678m	0.135	ppbv	
25) Ethyl Acetate	5.71	43	30753m	0.093	ppbv	
26) Hexane	5.69	57	14558m	0.094	ppbv	
27) Carbon Disulfide	4.56	76	13293m	0.099	ppbv	
28) Methyl tert-Butyl Ether	5.07	73	12968m	0.095	ppbv	
29) Chloroform	5.75	83	30105m	0.125	ppbv	
30) Cyclohexane	7.17	84	17975m	0.146	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	12179m	0.088	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	26713m	0.109	ppbv	
34) 2-Butanone	5.21	43	16313m	0.112	ppbv	
35) Carbon Tetrachloride	7.02	117	28975m	0.128	ppbv	
36) Benzene	6.89	78	20140m	0.072	ppbv	
37) 1,2-Dichloroethane	6.32	62	17626m	0.111	ppbv	
38) Trichloroethene	7.85	130	10623m	0.106	ppbv	
39) 1,2-Dichloropropane	7.62	63	13436m	0.119	ppbv	
42) Bromodichloromethane	7.80	83	27533m	0.124	ppbv	
43) Methyl Methacrylate	8.03	69	4671m	0.051	ppbv	
44) 2,2,4-Trimethylpentane	7.88	57	33865m	0.070	ppbv	
45) t-1,3-Dichloropropene	9.29	75	5937m	0.060	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	8402m	0.066	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	14286m	0.122	ppbv	
48) Dibromochloromethane	10.31	129	15973m	0.092	ppbv	
49) Bromoform	13.03	173	12722m	0.092	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

50) 4-Methyl-2-Pentanone	8.81	43	12382m	0.062	ppbv	
52) Tetrachloroethene	11.24	164	9283m	0.097	ppbv	
53) Toluene	9.81	91	18557m	0.063	ppbv	
54) 1,2-Dibromoethane	10.62	107	15004m	0.091	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.12	131	16926m	0.141	ppbv	
57) Chlorobenzene	12.15	112	28716m	0.129	ppbv	
58) Ethyl Benzene	12.71	91	20421m	0.056	ppbv	
59) m/p-Xylene	13.00	91	36019m	0.111	ppbv	
60) o-Xylene	13.70	91	20424m	0.065	ppbv	
61) Styrene	13.53	104	7847m	0.053	ppbv	
62) Isopropylbenzene	14.67	105	31472m	0.074	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.69	83	31720m	0.126	ppbv	
64) n-propylbenzene	15.57	120	5847m	0.055	ppbv	
65) tert-Butylbenzene	16.75	119	20632m	0.055	ppbv	
67) sec-Butylbenzene	17.31	105	28413m	0.054	ppbv	
69) p-Isopropyltoluene	17.67	119	19077m	0.045	ppbv	
70) n-Butylbenzene	18.57	91	19468m	0.046	ppbv	
71) 2-Chlorotoluene	15.46	91	18908m	0.060	ppbv	
72) 4-Ethyltoluene	15.84	105	17303m	0.051	ppbv	
73) 1,3,5-Trimethylbenzene	16.00	105	18879m	0.058	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	18376m	0.053	ppbv	
75) 1,3-Dichlorobenzene	17.01	146	20279m	0.099	ppbv	
76) 1,4-Dichlorobenzene	17.16	146	17115m	0.085	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	16490m	0.082	ppbv	
78) Hexachloro-1,3-Butadiene	23.39	225	23154m	0.136	ppbv	
81) 1,2,4-Trichlorobenzene	21.95	180	5940m	0.047	ppbv	

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

