

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041909.D
 Acq On : 15 Jan 2025 00:52
 Operator : SY/MD
 Sample : MDL 0.4
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4

Quant Time: Jan 15 04:23:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

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

Internal Standards						
1) Bromochloromethane	2.790	49	128860	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	383295	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	333507	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	264151	10.056	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.600%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	8120	0.463	ppbv	94
3) Chlorodifluoromethane	1.476	51	7777	0.423	ppbv #	90
4) Chloromethane	1.534	50	3403	0.516	ppbv	93
5) Vinyl Chloride	1.580	62	2912	0.436	ppbv	97
6) Bromomethane	1.667	94	1485	0.466	ppbv	93
7) Chloroethane	1.706	64	1188	0.457	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	7096	0.463	ppbv	96
9) Propene	1.482	41	3762	0.497	ppbv	97
10) Heptane	4.985	43	7527	0.372	ppbv	94
11) Trichlorofluoromethane	1.881	101	8237	0.451	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	7095	0.496	ppbv	93
13) Ethanol	1.722	45	201m	0.362	ppbv	
14) Bromoethene	1.784	108	2298	0.439	ppbv #	93
15) Acetone	1.839	43	8191	0.529	ppbv	96
16) 1,3-Butadiene	1.609	39	3484	0.502	ppbv	91
17) tert-Butyl alcohol	2.046	59	8947	0.470	ppbv	100
18) 1,1-Dichloroethene	2.036	96	3189	0.494	ppbv	93
19) Isopropyl Alcohol	1.890	45	4628	0.504	ppbv #	32
20) Methylene Chloride	2.062	84	3288	0.538	ppbv #	93
21) Allyl Chloride	2.097	41	5012	0.468	ppbv	94
22) trans-1,2-Dichloroethene	2.340	96	3387m	0.465	ppbv	
23) Vinyl Acetate	2.466	43	2655	0.346	ppbv #	82
24) 1,1-Dichloroethane	2.411	63	7024	0.499	ppbv #	96
25) Ethyl Acetate	2.842	43	17135	0.411	ppbv	99
26) Hexane	2.829	57	6946	0.421	ppbv	97
27) Carbon Disulfide	2.152	76	6747	0.413	ppbv #	9
28) Methyl tert-Butyl Ether	2.447	73	4186m	0.332	ppbv	
29) Chloroform	2.852	83	11730	0.450	ppbv	89
30) Cyclohexane	3.868	84	5075m	0.354	ppbv	
31) cis-1,2-Dichloroethene	2.725	61	7392	0.425	ppbv #	78
32) 1,1,1-Trichloroethane	3.373	97	10701	0.429	ppbv	95
34) 2-Butanone	2.564	43	10801	0.443	ppbv	91
35) Carbon Tetrachloride	3.764	117	9944m	0.413	ppbv	
36) Benzene	3.661	78	14900	0.424	ppbv	97
37) 1,2-Dichloroethane	3.227	62	9306	0.471	ppbv	99
38) Trichloroethene	4.551	130	5808m	0.416	ppbv	
39) 1,2-Dichloropropane	4.321	63	5275m	0.428	ppbv	
40) 1,4-Dioxane	4.609	88	2777m	0.446	ppbv	
41) Tetrahydrofuran	3.072	42	5497m	0.415	ppbv	
42) Bromodichloromethane	4.493	83	10678	0.403	ppbv #	77
43) Methyl Methacrylate	4.887	69	4723	0.362	ppbv	100
44) 2,2,4-Trimethylpentane	4.645	57	21097	0.371	ppbv	92
45) t-1,3-Dichloropropene	6.418	75	4439m	0.363	ppbv	

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

QLast Update : Tue Jan 14 23:15:42 2025

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.616	75	5456m	0.340	ppbv	
47) 1,1,2-Trichloroethane	6.600	97	5738m	0.439	ppbv	
48) Dibromochloromethane	7.396	129	6582	0.326	ppbv	85
49) Bromoform	9.487	173	5519	0.333	ppbv	94
50) 4-Methyl-2-Pentanone	5.781	43	12845m	0.386	ppbv	
51) 2-Hexanone	7.454	43	8806m	0.344	ppbv	
52) Tetrachloroethene	8.234	164	4855	0.398	ppbv	86
53) Toluene	6.943	91	13991m	0.365	ppbv	
54) 1,2-Dibromoethane	7.655	107	8183m	0.455	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.930	131	6956	0.418	ppbv #	1
57) Chlorobenzene	8.924	112	13810	0.449	ppbv #	84
58) Ethyl Benzene	9.360	91	17715	0.340	ppbv	95
59) m/p-Xylene	9.555	91	30237m	0.724	ppbv	
60) o-Xylene	9.969	91	14413	0.348	ppbv	92
61) Styrene	9.872	104	6314	0.339	ppbv	95
62) Isopropylbenzene	10.542	105	23571	0.367	ppbv	100
63) 1,1,1,2,2-Tetrachloroethane	9.969	83	11828	0.446	ppbv	99
64) n-propylbenzene	10.989	120	5869m	0.362	ppbv	
65) tert-Butylbenzene	11.535	119	20807	0.356	ppbv	97
66) Benzyl Chloride	11.620	91	957	0.264	ppbv #	89
67) sec-Butylbenzene	11.775	105	30791	0.382	ppbv	99
69) p-Isopropyltoluene	11.930	119	22247	0.336	ppbv	96
70) n-Butylbenzene	12.286	91	21785	0.331	ppbv	99
71) 2-Chlorotoluene	10.908	91	17558	0.370	ppbv	99
72) 4-Ethyltoluene	11.128	105	16480	0.332	ppbv	98
73) 1,3,5-Trimethylbenzene	11.209	105	14915	0.341	ppbv	93
74) 1,2,4-Trimethylbenzene	11.542	105	17372	0.366	ppbv	95
75) 1,3-Dichlorobenzene	11.613	146	12970	0.461	ppbv	95
76) 1,4-Dichlorobenzene	11.675	146	11879	0.432	ppbv	96
77) 1,2-Dichlorobenzene	11.953	146	12185	0.437	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	9510	0.416	ppbv	97
79) Naphthalene	13.520	128	15877	0.332	ppbv #	92
80) Naphthalene,2-methyl-	14.468	142	6349	0.280	ppbv	88
81) 1,2,4-Trichlorobenzene	13.445	180	8539	0.366	ppbv	96

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

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