

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
 Data File : VL041855.D
 Acq On : 07 Jan 2025 21:30
 Operator : SY/MD
 Sample : VL0107ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0107ABS02

Quant Time: Jan 08 03:59:16 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M

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

QLast Update : Wed Jan 08 03:26:12 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/09/2025
 Supervised By : Mahesh Dadoda 01/09/2025

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

Internal Standards						
1) Bromochloromethane	2.797	49	107106	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	243780	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	206717	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 181716 10.264 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	175443	9.983	ppbv	100
3) Chlorodifluoromethane	1.479	51	170535	10.156	ppbv	100
4) Chloromethane	1.538	50	74022	10.243	ppbv	98
5) Vinyl Chloride	1.583	62	67444	9.253	ppbv	99
6) Bromomethane	1.674	94	29563	9.469	ppbv	91
7) Chloroethane	1.709	64	28013	9.984	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	152410	10.052	ppbv	100
9) Propene	1.486	41	64043	10.955	ppbv	99
10) Heptane	5.001	43	180674	12.511	ppbv	99
11) Trichlorofluoromethane	1.884	101	175329	9.811	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.146	101	133598	10.038	ppbv	99
13) Ethanol	1.725	45	4030	5.248	ppbv	85
14) Bromoethene	1.787	108	45909	10.537	ppbv	97
15) Acetone	1.842	43	167871	8.513	ppbv	97
16) 1,3-Butadiene	1.612	39	79283	10.253	ppbv	100
17) tert-Butyl alcohol	2.046	59	176102	10.307	ppbv	99
18) 1,1-Dichloroethene	2.039	96	57220	10.269	ppbv	96
19) Isopropyl Alcohol	1.890	45	86872	9.385	ppbv #	1
20) Methylene Chloride	2.068	84	50633	8.982	ppbv	93
21) Allyl Chloride	2.104	41	112062	11.032	ppbv	98
22) trans-1,2-Dichloroethene	2.350	96	62547	10.043	ppbv	96
23) Vinyl Acetate	2.470	43	67272	10.969	ppbv	96
24) 1,1-Dichloroethane	2.418	63	136957	10.048	ppbv	99
25) Ethyl Acetate	2.845	43	374548	11.327	ppbv	99
26) Hexane	2.839	57	138581	12.075	ppbv	98
27) Carbon Disulfide	2.159	76	133209	12.230	ppbv	97
28) Methyl tert-Butyl Ether	2.447	73	85892	9.930	ppbv	99
29) Chloroform	2.858	83	211442	9.917	ppbv	99
30) Cyclohexane	3.875	84	107422	12.343	ppbv	100
31) cis-1,2-Dichloroethene	2.732	61	131506	11.132	ppbv	97
32) 1,1,1-Trichloroethane	3.383	97	194205	10.051	ppbv	99
34) 2-Butanone	2.567	43	215107	11.202	ppbv	98
35) Carbon Tetrachloride	3.777	117	200923	10.905	ppbv	97
36) Benzene	3.671	78	263818	11.328	ppbv	96
37) 1,2-Dichloroethane	3.230	62	164076	10.717	ppbv	100
38) Trichloroethene	4.567	130	98835	11.036	ppbv	97
39) 1,2-Dichloropropane	4.331	63	97273	10.798	ppbv	96
40) 1,4-Dioxane	4.603	88	42263	12.121	ppbv #	99
41) Tetrahydrofuran	3.065	42	115504	12.768	ppbv	99
42) Bromodichloromethane	4.509	83	207472	11.555	ppbv	99
43) Methyl Methacrylate	4.901	69	94976	12.987	ppbv	100
44) 2,2,4-Trimethylpentane	4.658	57	473286	12.335	ppbv	100
45) t-1,3-Dichloropropene	6.441	75	85389	11.960	ppbv	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	113483	12.071	ppbv	99
47) 1,1,2-Trichloroethane	6.603	97	101788	10.696	ppbv	96
48) Dibromochloromethane	7.406	129	146766	12.101	ppbv	99
49) Bromoform	9.497	173	122385	12.591	ppbv	99
50) 4-Methyl-2-Pentanone	5.778	43	294840	13.276	ppbv	99
51) 2-Hexanone	7.454	43	231768	13.791	ppbv	98
52) Tetrachloroethene	8.241	164	80623	11.675	ppbv	96
53) Toluene	6.956	91	269294	12.992	ppbv	99
54) 1,2-Dibromoethane	7.671	107	132314	11.340	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.940	131	128117	10.874	ppbv	99
57) Chlorobenzene	8.937	112	227702	10.543	ppbv	98
58) Ethyl Benzene	9.370	91	387745	13.763	ppbv	100
59) m/p-Xylene	9.565	91	666741m	26.861	ppbv	
60) o-Xylene	9.979	91	332864	13.760	ppbv	100
61) Styrene	9.885	104	135001	14.385	ppbv	99
62) Isopropylbenzene	10.552	105	493367	12.982	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.976	83	221419	10.438	ppbv	99
64) n-propylbenzene	11.002	120	125412	12.863	ppbv	96
65) tert-Butylbenzene	11.542	119	446167	13.028	ppbv	100
66) Benzyl Chloride	11.630	91	31125	10.849	ppbv	98
67) sec-Butylbenzene	11.778	105	636199	12.731	ppbv	99
69) p-Isopropyltoluene	11.937	119	517542	13.191	ppbv	99
70) n-Butylbenzene	12.293	91	508944	12.912	ppbv	99
71) 2-Chlorotoluene	10.914	91	361026	13.087	ppbv	100
72) 4-Ethyltoluene	11.138	105	395463	13.518	ppbv	99
73) 1,3,5-Trimethylbenzene	11.215	105	340147	13.276	ppbv	96
74) 1,2,4-Trimethylbenzene	11.549	105	378800	12.763	ppbv #	85
75) 1,3-Dichlorobenzene	11.620	146	216345	10.891	ppbv	99
76) 1,4-Dichlorobenzene	11.685	146	213108	11.149	ppbv	99
77) 1,2-Dichlorobenzene	11.960	146	211771	10.231	ppbv	100
78) Hexachloro-1,3-Butadiene	13.892	225	132080	8.988	ppbv	99
79) Naphthalene	13.526	128	285850	13.075	ppbv	99
80) Naphthalene,2-methyl-	14.471	142	77638	9.594	ppbv	99
81) 1,2,4-Trichlorobenzene	13.452	180	128757	10.626	ppbv	100

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

