

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
 Data File : VL041854.D
 Acq On : 07 Jan 2025 20:36
 Operator : SY/MD
 Sample : VL0107ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0107ABS01

Quant Time: Jan 08 03:58:23 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	2.793	49	85990	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	194920	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	165772	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 151241 10.652 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	146771	10.402	ppbv	99
3) Chlorodifluoromethane	1.479	51	135919	10.082	ppbv	99
4) Chloromethane	1.534	50	60366	10.404	ppbv	97
5) Vinyl Chloride	1.583	62	53590	9.158	ppbv	99
6) Bromomethane	1.670	94	24581	9.806	ppbv	99
7) Chloroethane	1.709	64	22309	9.903	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	125331	10.296	ppbv	100
9) Propene	1.486	41	45656	9.728	ppbv	99
10) Heptane	4.994	43	144790	12.489	ppbv	98
11) Trichlorofluoromethane	1.881	101	148270	10.335	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.146	101	109192	10.219	ppbv	99
13) Ethanol	1.725	45	2779	4.507	ppbv	92
14) Bromoethene	1.787	108	35736	10.216	ppbv	98
15) Acetone	1.839	43	135237	8.542	ppbv	97
16) 1,3-Butadiene	1.612	39	65023	10.474	ppbv	96
17) tert-Butyl alcohol	2.046	59	138354	10.086	ppbv	100
18) 1,1-Dichloroethene	2.039	96	43896	9.812	ppbv	95
19) Isopropyl Alcohol	1.890	45	64033	8.616	ppbv	99
20) Methylene Chloride	2.065	84	40402	8.927	ppbv	95
21) Allyl Chloride	2.101	41	85878	10.530	ppbv	98
22) trans-1,2-Dichloroethene	2.347	96	50124	10.025	ppbv	91
23) Vinyl Acetate	2.470	43	41833	8.496	ppbv #	95
24) 1,1-Dichloroethane	2.415	63	113470	10.369	ppbv	99
25) Ethyl Acetate	2.842	43	295219	11.120	ppbv	99
26) Hexane	2.835	57	105115	11.408	ppbv	95
27) Carbon Disulfide	2.156	76	104740	11.977	ppbv	100
28) Methyl tert-Butyl Ether	2.447	73	66688	9.603	ppbv	100
29) Chloroform	2.858	83	173121	10.114	ppbv	98
30) Cyclohexane	3.871	84	83245	11.914	ppbv	98
31) cis-1,2-Dichloroethene	2.729	61	97209	10.250	ppbv	99
32) 1,1,1-Trichloroethane	3.379	97	158450	10.214	ppbv	99
34) 2-Butanone	2.564	43	162772	10.601	ppbv	99
35) Carbon Tetrachloride	3.774	117	168870	11.463	ppbv	96
36) Benzene	3.667	78	205594	11.041	ppbv	97
37) 1,2-Dichloroethane	3.227	62	132576	10.830	ppbv	99
38) Trichloroethene	4.564	130	76911	10.741	ppbv	94
39) 1,2-Dichloropropane	4.331	63	76980	10.687	ppbv	96
40) 1,4-Dioxane	4.599	88	31586	11.330	ppbv #	79
41) Tetrahydrofuran	3.065	42	87142	12.048	ppbv	99
42) Bromodichloromethane	4.502	83	168564	11.741	ppbv	97
43) Methyl Methacrylate	4.900	69	72301	12.365	ppbv	99
44) 2,2,4-Trimethylpentane	4.654	57	383142	12.488	ppbv	100
45) t-1,3-Dichloropropene	6.438	75	62730	10.988	ppbv	92

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46) cis-1,3-Dichloropropene	5.622	75	85898	11.427	ppbv	95
47) 1,1,2-Trichloroethane	6.596	97	82732	10.873	ppbv	94
48) Dibromochloromethane	7.402	129	118547	12.224	ppbv	96
49) Bromoform	9.496	173	99742	12.834	ppbv	100
50) 4-Methyl-2-Pentanone	5.771	43	231659	13.046	ppbv	100
51) 2-Hexanone	7.454	43	185684	13.818	ppbv	99
52) Tetrachloroethene	8.237	164	63814	11.558	ppbv	96
53) Toluene	6.952	91	214221	12.926	ppbv	99
54) 1,2-Dibromoethane	7.668	107	106412	11.406	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.936	131	107865	11.417	ppbv	99
57) Chlorobenzene	8.933	112	187743	10.840	ppbv	93
58) Ethyl Benzene	9.367	91	312700	13.840	ppbv	100
59) m/p-Xylene	9.561	91	559970m	28.132	ppbv	
60) o-Xylene	9.975	91	277919	14.326	ppbv	99
61) Styrene	9.882	104	105876	14.068	ppbv	99
62) Isopropylbenzene	10.548	105	412478	13.534	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.972	83	186060	10.938	ppbv	99
64) n-propylbenzene	10.998	120	106028	13.560	ppbv	97
65) tert-Butylbenzene	11.542	119	378118	13.768	ppbv	99
66) Benzyl Chloride	11.626	91	25930	11.271	ppbv	99
67) sec-Butylbenzene	11.778	105	533436	13.311	ppbv	100
69) p-Isopropyltoluene	11.934	119	433960	13.793	ppbv	100
70) n-Butylbenzene	12.290	91	435228	13.769	ppbv	99
71) 2-Chlorotoluene	10.911	91	299922	13.557	ppbv	99
72) 4-Ethyltoluene	11.134	105	332097	14.156	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	286930	13.965	ppbv	98
74) 1,2,4-Trimethylbenzene	11.545	105	317547	13.342	ppbv #	79
75) 1,3-Dichlorobenzene	11.616	146	181271	11.380	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	180588	11.781	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	178366	10.745	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	115209	9.776	ppbv	99
79) Naphthalene	13.523	128	241512	13.776	ppbv	98
80) Naphthalene,2-methyl-	14.468	142	56888	8.767	ppbv	98
81) 1,2,4-Trichlorobenzene	13.452	180	107489	11.062	ppbv	99

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

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