

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042395.D
 Acq On : 21 Apr 2025 08:41
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/22/2025
 Supervised By : Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:50:13 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	118349	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	334726	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	297161	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 262155 10.736 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	214405	10.253	ppbv	95
3) Chlorodifluoromethane	1.473	51	172276	8.652	ppbv	96
4) Chloromethane	1.531	50	78242	9.455	ppbv	99
5) Vinyl Chloride	1.576	62	78692	8.736	ppbv	98
6) Bromomethane	1.664	94	36698	9.484	ppbv	92
7) Chloroethane	1.703	64	31945	9.806	ppbv	98
8) Dichlorotetrafluoroethane	1.551	85	182317	10.155	ppbv	94
9) Propene	1.483	41	67297	7.422	ppbv	98
10) Heptane	4.972	43	178981	7.026	ppbv	98
11) Trichlorofluoromethane	1.874	101	205368	10.328	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	154701	9.515	ppbv	99
13) Ethanol	1.719	45	4511	3.130	ppbv	88
14) Bromoethene	1.780	108	59325	9.680	ppbv	98
15) Acetone	1.832	43	168061	8.675	ppbv	99
16) 1,3-Butadiene	1.606	39	81189	8.762	ppbv	96
17) tert-Butyl alcohol	2.036	59	221320	9.218	ppbv	100
18) 1,1-Dichloroethene	2.030	96	70214	9.244	ppbv	97
19) Isopropyl Alcohol	1.884	45	98218	9.126	ppbv	94
20) Methylene Chloride	2.059	84	60052	7.915	ppbv	92
21) Allyl Chloride	2.091	41	121139	9.056	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	79496	9.192	ppbv	92
23) Vinyl Acetate	2.457	43	57298	7.306	ppbv	97
24) 1,1-Dichloroethane	2.405	63	154500	9.405	ppbv	100
25) Ethyl Acetate	2.832	43	392210	8.211	ppbv	99
26) Hexane	2.823	57	150573	7.789	ppbv	98
27) Carbon Disulfide	2.146	76	199908	9.658	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	106569	8.414	ppbv	95
29) Chloroform	2.845	83	259635	9.502	ppbv	98
30) Cyclohexane	3.852	84	126496	8.095	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	166357	9.051	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	285590	9.284	ppbv	99
34) 2-Butanone	2.554	43	220144	8.316	ppbv	99
35) Carbon Tetrachloride	3.755	117	291229	9.614	ppbv	91
36) Benzene	3.651	78	303987	8.420	ppbv	97
37) 1,2-Dichloroethane	3.214	62	221151	10.206	ppbv	97
38) Trichloroethene	4.541	130	123150	7.804	ppbv	94
39) 1,2-Dichloropropane	4.305	63	107877	8.018	ppbv #	88
40) 1,4-Dioxane	4.574	88	53874	7.286	ppbv #	94
41) Tetrahydrofuran	3.049	42	118863	7.701	ppbv	99
42) Bromodichloromethane	4.483	83	295552	9.800	ppbv	98
43) Methyl Methacrylate	4.875	69	124747	7.667	ppbv	95
44) 2,2,4-Trimethylpentane	4.629	57	507437	8.138	ppbv	95
45) t-1,3-Dichloropropene	6.406	75	142879	8.596	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	174844	8.595	ppbv	88
47) 1,1,2-Trichloroethane	6.571	97	119399	8.711	ppbv	92
48) Dibromochloromethane	7.380	129	229466	9.476	ppbv	99
49) Bromoform	9.480	173	187094	8.836	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	321752	7.314	ppbv	99
51) 2-Hexanone	7.425	43	260009	6.590	ppbv #	95
52) Tetrachloroethene	8.218	164	104294	7.474	ppbv	90
53) Toluene	6.923	91	355540	8.206	ppbv	99
54) 1,2-Dibromoethane	7.642	107	169774	8.654	ppbv	91
56) 1,1,1,2-Tetrachloroethane	8.917	131	170285	9.468	ppbv	96
57) Chlorobenzene	8.917	112	276428	8.944	ppbv	98
58) Ethyl Benzene	9.348	91	517937	8.797	ppbv	100
59) m/p-Xylene	9.545	91	847455m	17.868	ppbv	
60) o-Xylene	9.959	91	433569	9.078	ppbv	96
61) Styrene	9.866	104	192729	8.454	ppbv	96
62) Isopropylbenzene	10.535	105	625514	8.920	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.956	83	250238	8.085	ppbv	100
64) n-propylbenzene	10.985	120	154114	8.744	ppbv	97
65) tert-Butylbenzene	11.526	119	570548	8.853	ppbv	96
66) Benzyl Chloride	11.610	91	57090	8.061	ppbv	99
67) sec-Butylbenzene	11.765	105	797738	8.899	ppbv	99
69) p-Isopropyltoluene	11.921	119	684482	8.789	ppbv	97
70) n-Butylbenzene	12.277	91	720062	8.877	ppbv	97
71) 2-Chlorotoluene	10.898	91	493192	8.967	ppbv	97
72) 4-Ethyltoluene	11.121	105	521390	8.929	ppbv	97
73) 1,3,5-Trimethylbenzene	11.199	105	451158	8.752	ppbv	96
74) 1,2,4-Trimethylbenzene	11.532	105	502117	8.340	ppbv #	87
75) 1,3-Dichlorobenzene	11.604	146	264024	8.436	ppbv	97
76) 1,4-Dichlorobenzene	11.668	146	265655	8.445	ppbv	98
77) 1,2-Dichlorobenzene	11.943	146	260133	8.548	ppbv	97
78) Hexachloro-1,3-Butadiene	13.879	225	245910	8.002	ppbv	99
79) Naphthalene	13.510	128	570593	7.925	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	304139	7.412	ppbv	96
81) 1,2,4-Trichlorobenzene	13.439	180	250801	8.112	ppbv	99

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

Manual Integrations

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[illegible]