

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL033125\
 Data File : VL042203.D
 Acq On : 31 Mar 2025 10:17
 Operator : SY/MD
 Sample : VL0331ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0331ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/01/2025
 Supervised By :Mahesh Dadoda 04/01/2025

Quant Time: Apr 01 01:35:57 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.803	49	175685	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	498986	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	456400	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.396 95 385330 10.281 ppbv 0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	270376	10.423	ppbv	99
3) Chlorodifluoromethane	1.482	51	262345	9.900	ppbv	95
4) Chloromethane	1.538	50	102731	9.691	ppbv	100
5) Vinyl Chloride	1.586	62	97910	8.716	ppbv	95
6) Bromomethane	1.673	94	43862	9.130	ppbv	98
7) Chloroethane	1.712	64	39774	9.347	ppbv	100
8) Dichlorotetrafluoroethane	1.560	85	228198	10.330	ppbv	94
9) Propene	1.489	41	104679	8.618	ppbv	98
10) Heptane	5.007	43	298492	9.239	ppbv	99
11) Trichlorofluoromethane	1.887	101	258953	10.260	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.149	101	200210	9.650	ppbv	96
13) Ethanol	1.732	45	5239	4.563	ppbv	91
14) Bromoethene	1.790	108	74401	9.361	ppbv	98
15) Acetone	1.845	43	218378	8.888	ppbv	95
16) 1,3-Butadiene	1.615	39	104247	8.688	ppbv	99
17) tert-Butyl alcohol	2.049	59	276592	9.038	ppbv	99
18) 1,1-Dichloroethene	2.042	96	89252	9.202	ppbv	99
19) Isopropyl Alcohol	1.894	45	127449	9.193	ppbv	99
20) Methylene Chloride	2.072	84	76788	8.391	ppbv	97
21) Allyl Chloride	2.107	41	154876	8.938	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	102643	9.157	ppbv	96
23) Vinyl Acetate	2.476	43	89760	8.441	ppbv #	95
24) 1,1-Dichloroethane	2.421	63	208334	10.026	ppbv	99
25) Ethyl Acetate	2.852	43	609975	9.565	ppbv	99
26) Hexane	2.842	57	234267	9.511	ppbv	99
27) Carbon Disulfide	2.159	76	245905	9.310	ppbv	99
28) Methyl tert-Butyl Ether	2.454	73	169404	11.046	ppbv	94
29) Chloroform	2.865	83	382690	10.616	ppbv	100
30) Cyclohexane	3.881	84	200894	9.393	ppbv	97
31) cis-1,2-Dichloroethene	2.735	61	249599	9.981	ppbv	97
32) 1,1,1-Trichloroethane	3.386	97	402506	9.753	ppbv	99
34) 2-Butanone	2.570	43	343896	9.504	ppbv	100
35) Carbon Tetrachloride	3.784	117	412312	10.578	ppbv	99
36) Benzene	3.677	78	482499	9.754	ppbv	97
37) 1,2-Dichloroethane	3.237	62	310502	10.964	ppbv	98
38) Trichloroethene	4.577	130	201215	9.749	ppbv	95
39) 1,2-Dichloropropane	4.340	63	174119	9.665	ppbv	92
40) 1,4-Dioxane	4.616	88	84833	8.872	ppbv #	91
41) Tetrahydrofuran	3.072	42	194140	9.318	ppbv	99
42) Bromodichloromethane	4.515	83	422881	10.831	ppbv	97
43) Methyl Methacrylate	4.913	69	191894	9.163	ppbv	100
44) 2,2,4-Trimethylpentane	4.667	57	792762	9.483	ppbv	98
45) t-1,3-Dichloropropene	6.447	75	203792	9.071	ppbv	94

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Quant Time: Apr 01 01:35:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/01/2025
 Supervised By : Mahesh Dadoda 04/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	258084	9.371	ppbv	98
47) 1,1,2-Trichloroethane	6.616	97	194204	10.197	ppbv	98
48) Dibromochloromethane	7.415	129	342254	10.604	ppbv	99
49) Bromoform	9.506	173	298349	10.296	ppbv	100
50) 4-Methyl-2-Pentanone	5.787	43	493320	8.603	ppbv	98
51) 2-Hexanone	7.464	43	405558	8.613	ppbv	97
52) Tetrachloroethene	8.250	164	176804	9.012	ppbv	95
53) Toluene	6.965	91	560307	9.555	ppbv	100
54) 1,2-Dibromoethane	7.681	107	273381	10.298	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.946	131	266468	10.607	ppbv	98
57) Chlorobenzene	8.946	112	448854	10.368	ppbv #	95
58) Ethyl Benzene	9.377	91	815513	10.059	ppbv	99
59) m/p-Xylene	9.574	91	1331237m	20.565	ppbv	
60) o-Xylene	9.985	91	673552	10.379	ppbv	99
61) Styrene	9.891	104	322981	10.060	ppbv	99
62) Isopropylbenzene	10.558	105	1021273	10.524	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.985	83	411620	10.440	ppbv	100
64) n-propylbenzene	11.008	120	264706	10.596	ppbv	97
65) tert-Butylbenzene	11.548	119	913025	10.173	ppbv	97
66) Benzyl Chloride	11.633	91	78394	8.232	ppbv	99
67) sec-Butylbenzene	11.785	105	1292454	10.360	ppbv	100
69) p-Isopropyltoluene	11.943	119	1113087	10.362	ppbv	99
70) n-Butylbenzene	12.296	91	1144962	10.422	ppbv	99
71) 2-Chlorotoluene	10.921	91	775424	10.295	ppbv	99
72) 4-Ethyltoluene	11.144	105	848380	10.500	ppbv	100
73) 1,3,5-Trimethylbenzene	11.222	105	736772	10.441	ppbv	97
74) 1,2,4-Trimethylbenzene	11.555	105	800063	9.841	ppbv	97
75) 1,3-Dichlorobenzene	11.626	146	470306	10.548	ppbv	99
76) 1,4-Dichlorobenzene	11.688	146	467631	10.538	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	460911	10.617	ppbv	99
78) Hexachloro-1,3-Butadiene	13.898	225	371995	8.418	ppbv	100
79) Naphthalene	13.529	128	840768	9.455	ppbv	99
80) Naphthalene,2-methyl-	14.471	142	328839	7.541	ppbv	99
81) 1,2,4-Trichlorobenzene	13.455	180	381981	9.313	ppbv	99

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

Manual Integrations

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[illegible]