

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
 Data File : VL042941.D
 Acq On : 18 Sep 2025 11:37
 Operator : SY/MD
 Sample : VL0918ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

Quant Time: Sep 19 01:23:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Sep 18 02:57:46 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/19/2025
 Supervised By : Mahesh Dadoda 09/24/2025

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

Internal Standards						
1) Bromochloromethane	2.790	49	153054	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	390717	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	338982	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.380	95	281492	10.624	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.200%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.502	85	228079	10.433	ppbv	98
3) Chlorodifluoromethane	1.476	51	237599	10.322	ppbv	100
4) Chloromethane	1.534	50	89825	10.224	ppbv	99
5) Vinyl Chloride	1.583	62	77786	9.385	ppbv	96
6) Bromomethane	1.670	94	28526	9.903	ppbv	93
7) Chloroethane	1.706	64	32539	10.658	ppbv	91
8) Dichlorotetrafluoroethane	1.557	85	179771	10.364	ppbv	100
9) Propene	1.486	41	84929	10.104	ppbv	100
10) Heptane	4.988	43	249544	11.981	ppbv	99
11) Trichlorofluoromethane	1.881	101	224470	10.394	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	170818	10.124	ppbv	98
13) Ethanol	1.722	45	5889	6.871	ppbv	98
14) Bromoethene	1.784	108	59427	9.886	ppbv	99
15) Acetone	1.835	43	165848	8.822	ppbv	98
16) 1,3-Butadiene	1.612	39	79093	10.058	ppbv	100
17) tert-Butyl alcohol	2.043	59	183345	10.128	ppbv	98
18) 1,1-Dichloroethene	2.036	96	75671	10.246	ppbv	92
19) Isopropyl Alcohol	1.887	45	97063	9.630	ppbv	100
20) Methylene Chloride	2.065	84	68012	8.309	ppbv	97
21) Allyl Chloride	2.098	41	131371	10.309	ppbv	98
22) trans-1,2-Dichloroethene	2.344	96	84781	10.128	ppbv	98
23) Vinyl Acetate	2.467	43	226994	10.392	ppbv	99
24) 1,1-Dichloroethane	2.412	63	171618	10.378	ppbv	99
25) Ethyl Acetate	2.839	43	445948	11.109	ppbv	99
26) Hexane	2.829	57	197323	11.454	ppbv	98
27) Carbon Disulfide	2.153	76	216934	10.209	ppbv	100
28) Methyl tert-Butyl Ether	2.444	73	88801	9.381	ppbv	98
29) Chloroform	2.852	83	294191	10.447	ppbv	96
30) Cyclohexane	3.862	84	158792	12.235	ppbv	99
31) cis-1,2-Dichloroethene	2.726	61	179233	10.656	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	270002	10.248	ppbv	100
34) 2-Butanone	2.560	43	271054	10.702	ppbv	99
35) Carbon Tetrachloride	3.768	117	281584	10.138	ppbv	100
36) Benzene	3.661	78	371532	10.901	ppbv	98
37) 1,2-Dichloroethane	3.221	62	213484	10.459	ppbv	99
38) Trichloroethene	4.557	130	161541	10.471	ppbv	98
39) 1,2-Dichloropropane	4.321	63	144142	10.465	ppbv	97
40) 1,4-Dioxane	4.587	88	56448	11.547	ppbv #	99
41) Tetrahydrofuran	3.056	42	150835	12.034	ppbv	97
42) Bromodichloromethane	4.496	83	314071	10.722	ppbv	97
43) Methyl Methacrylate	4.888	69	143081	12.539	ppbv	97
44) 2,2,4-Trimethylpentane	4.645	57	677873	11.925	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	141047	11.723	ppbv	99

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QLast Update : Thu Sep 18 02:57:46 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	194163	11.706	ppbv	96
47) 1,1,2-Trichloroethane	6.590	97	153417	10.923	ppbv	95
48) Dibromochloromethane	7.393	129	237584	10.801	ppbv	98
49) Bromoform	9.490	173	191061	11.129	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	380109	12.552	ppbv	99
51) 2-Hexanone	7.445	43	296508	13.184	ppbv #	100
52) Tetrachloroethene	8.234	164	112059	10.663	ppbv	96
53) Toluene	6.940	91	408066	12.840	ppbv	100
54) 1,2-Dibromoethane	7.661	107	205553	11.377	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.933	131	183300	10.614	ppbv	99
57) Chlorobenzene	8.930	112	335255	10.700	ppbv	98
58) Ethyl Benzene	9.361	91	573488	13.132	ppbv	97
59) m/p-Xylene	9.558	91	965492m	26.162	ppbv	
60) o-Xylene	9.969	91	485622	13.235	ppbv	100
61) Styrene	9.878	104	192241	10.125	ppbv	99
62) Isopropylbenzene	10.545	105	682870	12.776	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	281454	10.618	ppbv	98
64) n-propylbenzene	10.995	120	177873	12.836	ppbv	100
65) tert-Butylbenzene	11.536	119	607942	13.311	ppbv	100
66) Benzyl Chloride	11.620	91	54469	12.834	ppbv	100
67) sec-Butylbenzene	11.772	105	903631	13.004	ppbv	99
69) p-Isopropyltoluene	11.931	119	724872	13.536	ppbv	100
70) n-Butylbenzene	12.287	91	779794	10.868	ppbv	99
71) 2-Chlorotoluene	10.905	91	519187	13.091	ppbv	99
72) 4-Ethyltoluene	11.131	105	581465	10.474	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	482220	13.284	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	557969	13.080	ppbv #	88
75) 1,3-Dichlorobenzene	11.613	146	318678	11.783	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	316399	12.160	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	313725	11.497	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	181815	10.433	ppbv	99
79) Naphthalene	13.516	128	460449	10.255	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	103880	7.532	ppbv	97
81) 1,2,4-Trichlorobenzene	13.442	180	220342	10.226	ppbv	99

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

