

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
 Data File : VL042438.D
 Acq On : 29 Apr 2025 10:08
 Operator : SY/MD
 Sample : VL0429ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0429ABS01

Quant Time: Apr 30 01:17:14 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

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/30/2025
 Supervised By : Mahesh Dadoda 04/30/2025

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

Internal Standards						
1) Bromochloromethane	2.790	49	116772	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	317590	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	272312	10.000	ppbv	0.00

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 10.380 95 253021 11.307 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 113.100%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.499	85	238539	11.562	ppbv 96
3) Chlorodifluoromethane	1.476	51	192670	9.807	ppbv 92
4) Chloromethane	1.534	50	89832	11.003	ppbv 94
5) Vinyl Chloride	1.580	62	85334	9.601	ppbv 99
6) Bromomethane	1.667	94	40758	10.676	ppbv 94
7) Chloroethane	1.706	64	33756	10.502	ppbv 97
8) Dichlorotetrafluoroethane	1.554	85	198106	11.184	ppbv 95
9) Propene	1.486	41	70111	7.836	ppbv 97
10) Heptane	4.981	43	190583	7.582	ppbv 99
11) Trichlorofluoromethane	1.877	101	225308	11.484	ppbv 99
12) 1,1,2-Trichlorotrifluo...	2.140	101	174111	10.854	ppbv 97
13) Ethanol	1.722	45	4137	2.909	ppbv 90
14) Bromoethene	1.783	108	64544	10.674	ppbv # 98
15) Acetone	1.835	43	189432	9.910	ppbv 98
16) 1,3-Butadiene	1.609	39	90473	9.895	ppbv 93
17) tert-Butyl alcohol	2.042	59	230217	9.718	ppbv 99
18) 1,1-Dichloroethene	2.036	96	76749	10.241	ppbv 96
19) Isopropyl Alcohol	1.887	45	103692	9.765	ppbv # 36
20) Methylene Chloride	2.062	84	67298	8.989	ppbv 91
21) Allyl Chloride	2.097	41	130014	9.851	ppbv 95
22) trans-1,2-Dichloroethene	2.340	96	84797	9.938	ppbv 90
23) Vinyl Acetate	2.463	43	61036	7.888	ppbv # 95
24) 1,1-Dichloroethane	2.408	63	177233	10.934	ppbv 98
25) Ethyl Acetate	2.839	43	416465	8.836	ppbv 99
26) Hexane	2.826	57	157544	8.260	ppbv 97
27) Carbon Disulfide	2.149	76	211824	10.372	ppbv 99
28) Methyl tert-Butyl Ether	2.441	73	116769	9.344	ppbv 94
29) Chloroform	2.852	83	286397	10.623	ppbv 96
30) Cyclohexane	3.858	84	132615	8.601	ppbv 95
31) cis-1,2-Dichloroethene	2.722	61	174328	9.613	ppbv 99
32) 1,1,1-Trichloroethane	3.369	97	312429	10.294	ppbv 99
34) 2-Butanone	2.560	43	233037	9.278	ppbv 98
35) Carbon Tetrachloride	3.764	117	317207	11.036	ppbv 93
36) Benzene	3.658	78	317350	9.264	ppbv 96
37) 1,2-Dichloroethane	3.221	62	247446	12.035	ppbv # 96
38) Trichloroethene	4.551	130	127601	8.523	ppbv 91
39) 1,2-Dichloropropane	4.318	63	115449	9.044	ppbv 92
40) 1,4-Dioxane	4.586	88	52820	7.529	ppbv # 92
41) Tetrahydrofuran	3.055	42	124059	8.471	ppbv 98
42) Bromodichloromethane	4.493	83	317253	11.088	ppbv 99
43) Methyl Methacrylate	4.881	69	123817m	8.020	ppbv
44) 2,2,4-Trimethylpentane	4.641	57	531439	8.983	ppbv 95
45) t-1,3-Dichloropropene	6.418	75	140981	8.940	ppbv 100

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	170063	8.811	ppbv #	84
47) 1,1,2-Trichloroethane	6.583	97	128662	9.893	ppbv	95
48) Dibromochloromethane	7.389	129	233350	10.156	ppbv	100
49) Bromoform	9.487	173	189484	9.431	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	327508	7.846	ppbv	98
51) 2-Hexanone	7.438	43	262697	7.018	ppbv #	95
52) Tetrachloroethene	8.228	164	106031	8.008	ppbv	90
53) Toluene	6.936	91	363707	8.848	ppbv	99
54) 1,2-Dibromoethane	7.658	107	178709	9.601	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.930	131	180979	10.981	ppbv	96
57) Chlorobenzene	8.924	112	290861	10.270	ppbv	99
58) Ethyl Benzene	9.357	91	545497	10.111	ppbv	98
59) m/p-Xylene	9.555	91	906532m	20.857	ppbv	
60) o-Xylene	9.966	91	465645	10.639	ppbv	94
61) Styrene	9.872	104	191741	9.178	ppbv	97
62) Isopropylbenzene	10.542	105	667839	10.393	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.966	83	278491	9.819	ppbv	99
64) n-propylbenzene	10.992	120	161309	9.987	ppbv	91
65) tert-Butylbenzene	11.535	119	605972	10.260	ppbv	98
66) Benzyl Chloride	11.620	91	46913	7.229	ppbv	99
67) sec-Butylbenzene	11.772	105	868275	10.569	ppbv	98
69) p-Isopropyltoluene	11.927	119	733796	10.282	ppbv	96
70) n-Butylbenzene	12.283	91	796622	10.717	ppbv	98
71) 2-Chlorotoluene	10.904	91	534951	10.614	ppbv	96
72) 4-Ethyltoluene	11.128	105	553879	10.351	ppbv	97
73) 1,3,5-Trimethylbenzene	11.205	105	491459	10.403	ppbv	95
74) 1,2,4-Trimethylbenzene	11.539	105	548408	9.939	ppbv #	86
75) 1,3-Dichlorobenzene	11.610	146	284809	9.931	ppbv	97
76) 1,4-Dichlorobenzene	11.675	146	285571	9.907	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	282424	10.128	ppbv	96
78) Hexachloro-1,3-Butadiene	13.885	225	280954	9.977	ppbv	98
79) Naphthalene	13.516	128	621879	9.425	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	312733	8.317	ppbv	95
81) 1,2,4-Trichlorobenzene	13.442	180	269082	9.498	ppbv	99

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

