

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040925\
 Data File : VL042289.D
 Acq On : 09 Apr 2025 12:31
 Operator : SY/MD
 Sample : VL0409ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS02

Quant Time: Apr 10 01:42:11 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

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/10/2025
 Supervised By : Mahesh Dadoda 04/10/2025

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

Internal Standards						
1) Bromochloromethane	2.784	49	160536	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	421845	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	368487	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	288141	9.522	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	227351	9.592	ppbv	98
3) Chlorodifluoromethane	1.473	51	246719	10.189	ppbv	98
4) Chloromethane	1.531	50	94644	9.770	ppbv	99
5) Vinyl Chloride	1.577	62	89453	8.714	ppbv	95
6) Bromomethane	1.664	94	39433	8.983	ppbv	100
7) Chloroethane	1.703	64	35803	9.208	ppbv	97
8) Dichlorotetrafluoroethane	1.551	85	196779	9.748	ppbv	94
9) Propene	1.483	41	104428	9.409	ppbv	96
10) Heptane	4.972	43	285337	9.665	ppbv	99
11) Trichlorofluoromethane	1.874	101	219275	9.507	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	180430	9.518	ppbv	95
13) Ethanol	1.719	45	4753	4.530	ppbv	93
14) Bromoethene	1.780	108	64175	8.837	ppbv	98
15) Acetone	1.832	43	200151	8.915	ppbv	96
16) 1,3-Butadiene	1.606	39	93954	8.569	ppbv	99
17) tert-Butyl alcohol	2.039	59	231293	8.271	ppbv	98
18) 1,1-Dichloroethene	2.030	96	78979	8.912	ppbv	96
19) Isopropyl Alcohol	1.884	45	111918	8.835	ppbv	96
20) Methylene Chloride	2.059	84	70611	8.444	ppbv	95
21) Allyl Chloride	2.094	41	147389	9.308	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	89877	8.775	ppbv	94
23) Vinyl Acetate	2.460	43	85028	8.750	ppbv	97
24) 1,1-Dichloroethane	2.405	63	184801	9.733	ppbv	99
25) Ethyl Acetate	2.832	43	590692	10.137	ppbv	98
26) Hexane	2.823	57	223800	9.943	ppbv	98
27) Carbon Disulfide	2.146	76	223675	9.267	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	119034	8.494	ppbv	97
29) Chloroform	2.845	83	341042	10.353	ppbv	99
30) Cyclohexane	3.852	84	182880	9.357	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	221881	9.710	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	336493	8.923	ppbv	97
34) 2-Butanone	2.554	43	334636	10.940	ppbv	98
35) Carbon Tetrachloride	3.758	117	343376	10.420	ppbv	97
36) Benzene	3.651	78	442736	10.586	ppbv	98
37) 1,2-Dichloroethane	3.214	62	262528	10.965	ppbv	100
38) Trichloroethene	4.541	130	176435	10.111	ppbv	98
39) 1,2-Dichloropropane	4.308	63	161101	10.578	ppbv	97
40) 1,4-Dioxane	4.574	88	76321	9.441	ppbv #	97
41) Tetrahydrofuran	3.049	42	187790	10.661	ppbv	96
42) Bromodichloromethane	4.483	83	360662	10.927	ppbv	100
43) Methyl Methacrylate	4.875	69	165984	9.375	ppbv	98
44) 2,2,4-Trimethylpentane	4.632	57	757855	10.723	ppbv	98
45) t-1,3-Dichloropropene	6.406	75	161245	8.489	ppbv	96

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

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	213566	9.172	ppbv	98
47) 1,1,2-Trichloroethane	6.574	97	173506	10.777	ppbv	99
48) Dibromochloromethane	7.380	129	286938	10.516	ppbv	100
49) Bromoform	9.477	173	254430	10.386	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	463069	9.552	ppbv	96
51) 2-Hexanone	7.428	43	364946	9.168	ppbv #	96
52) Tetrachloroethene	8.218	164	148369	8.946	ppbv	94
53) Toluene	6.927	91	490916	9.903	ppbv	99
54) 1,2-Dibromoethane	7.648	107	238091	10.608	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.920	131	232553	11.465	ppbv	100
57) Chlorobenzene	8.914	112	397485	11.372	ppbv	93
58) Ethyl Benzene	9.351	91	695035	10.619	ppbv	98
59) m/p-Xylene	9.548	91	1162331m	22.239	ppbv	
60) o-Xylene	9.959	91	574256	10.960	ppbv	97
61) Styrene	9.866	104	258350	9.967	ppbv	99
62) Isopropylbenzene	10.536	105	864354	11.032	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	377007	11.843	ppbv	99
64) n-propylbenzene	10.985	120	228525	11.331	ppbv	99
65) tert-Butylbenzene	11.529	119	790461	10.909	ppbv	99
66) Benzyl Chloride	11.613	91	58131	7.561	ppbv	97
67) sec-Butylbenzene	11.765	105	1124096	11.161	ppbv	99
69) p-Isopropyltoluene	11.924	119	950025	10.954	ppbv	99
70) n-Butylbenzene	12.280	91	986632	11.124	ppbv	99
71) 2-Chlorotoluene	10.898	91	660346	10.859	ppbv	99
72) 4-Ethyltoluene	11.121	105	726883	11.142	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	618219	10.851	ppbv	99
74) 1,2,4-Trimethylbenzene	11.532	105	702287	10.699	ppbv #	84
75) 1,3-Dichlorobenzene	11.604	146	419165	11.644	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	417746	11.660	ppbv	98
77) 1,2-Dichlorobenzene	11.943	146	415780	11.862	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	331886	9.302	ppbv	99
79) Naphthalene	13.510	128	810441	11.288	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	388095	11.023	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	357711	10.802	ppbv	99

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

