

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
 Data File : VL042220.D
 Acq On : 04 Apr 2025 11:55
 Operator : SY/MD
 Sample : VL0404ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0404ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/07/2025
 Supervised By : Mahesh Dadoda 04/08/2025

Quant Time: Apr 05 02:01:14 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	2.790	49	185704	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	509064	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	456962	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 384044 10.234 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	269944	9.845	ppbv	99
3) Chlorodifluoromethane	1.476	51	261247	9.327	ppbv	97
4) Chloromethane	1.535	50	100977	9.011	ppbv	97
5) Vinyl Chloride	1.580	62	97885	8.243	ppbv	97
6) Bromomethane	1.667	94	43311	8.529	ppbv	96
7) Chloroethane	1.706	64	38925	8.654	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	226404	9.696	ppbv	94
9) Propene	1.486	41	98481	7.671	ppbv	98
10) Heptane	4.982	43	290990	8.521	ppbv	99
11) Trichlorofluoromethane	1.878	101	258888	9.704	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	195978	8.937	ppbv	95
13) Ethanol	1.722	45	5793	4.773	ppbv	91
14) Bromoethene	1.784	108	72245	8.600	ppbv	98
15) Acetone	1.836	43	218906	8.429	ppbv	95
16) 1,3-Butadiene	1.609	39	109321	8.619	ppbv	96
17) tert-Butyl alcohol	2.043	59	268750	8.308	ppbv	99
18) 1,1-Dichloroethene	2.036	96	90266	8.805	ppbv	96
19) Isopropyl Alcohol	1.887	45	124365	8.487	ppbv	99
20) Methylene Chloride	2.062	84	75950	7.852	ppbv	96
21) Allyl Chloride	2.098	41	157041	8.574	ppbv	99
22) trans-1,2-Dichloroethene	2.344	96	103089	8.700	ppbv	98
23) Vinyl Acetate	2.464	43	85276	7.586	ppbv	97
24) 1,1-Dichloroethane	2.412	63	207336	9.440	ppbv	99
25) Ethyl Acetate	2.839	43	605091	8.977	ppbv	99
26) Hexane	2.829	57	230193	8.841	ppbv	98
27) Carbon Disulfide	2.153	76	237628	8.511	ppbv #	94
28) Methyl tert-Butyl Ether	2.444	73	137912	8.508	ppbv	95
29) Chloroform	2.852	83	384364	10.087	ppbv	99
30) Cyclohexane	3.862	84	192377	8.509	ppbv	96
31) cis-1,2-Dichloroethene	2.722	61	237721	8.993	ppbv	97
32) 1,1,1-Trichloroethane	3.370	97	396331	9.085	ppbv	99
34) 2-Butanone	2.561	43	339503	9.197	ppbv	98
35) Carbon Tetrachloride	3.768	117	410967	10.334	ppbv	96
36) Benzene	3.661	78	464642	9.207	ppbv	99
37) 1,2-Dichloroethane	3.221	62	306471	10.607	ppbv	98
38) Trichloroethene	4.554	130	190707	9.057	ppbv	96
39) 1,2-Dichloropropane	4.321	63	166615	9.065	ppbv	91
40) 1,4-Dioxane	4.587	88	85279	8.742	ppbv #	95
41) Tetrahydrofuran	3.059	42	186669	8.782	ppbv	99
42) Bromodichloromethane	4.496	83	417630	10.485	ppbv	96
43) Methyl Methacrylate	4.888	69	183270	8.578	ppbv	100
44) 2,2,4-Trimethylpentane	4.645	57	792460	9.292	ppbv	97
45) t-1,3-Dichloropropene	6.422	75	187871	8.196	ppbv	93

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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	5.610	75	235408	8.378	ppbv	95
47) 1,1,2-Trichloroethane	6.587	97	192846	9.926	ppbv	96
48) Dibromochloromethane	7.396	129	334902	10.171	ppbv	99
49) Bromoform	9.490	173	293331	9.923	ppbv	99
50) 4-Methyl-2-Pentanone	5.758	43	493794	8.441	ppbv	96
51) 2-Hexanone	7.445	43	393716	8.196	ppbv #	95
52) Tetrachloroethene	8.231	164	170397	8.514	ppbv	94
53) Toluene	6.940	91	540865	9.041	ppbv	99
54) 1,2-Dibromoethane	7.658	107	265033	9.786	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.930	131	269744	10.724	ppbv	99
57) Chlorobenzene	8.927	112	437108	10.085	ppbv	97
58) Ethyl Benzene	9.361	91	791626	9.753	ppbv	99
59) m/p-Xylene	9.539	91	1322210m	20.400	ppbv	
60) o-Xylene	9.969	91	665062	10.236	ppbv	98
61) Styrene	9.875	104	304392	9.470	ppbv	99
62) Isopropylbenzene	10.545	105	1008886	10.383	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	422180	10.694	ppbv	99
64) n-propylbenzene	10.995	120	263691	10.543	ppbv	99
65) tert-Butylbenzene	11.536	119	921281	10.252	ppbv	98
66) Benzyl Chloride	11.620	91	65520	6.872	ppbv	99
67) sec-Butylbenzene	11.772	105	1296409	10.379	ppbv	99
69) p-Isopropyltoluene	11.931	119	1119576	10.410	ppbv	100
70) n-Butylbenzene	12.287	91	1149751	10.453	ppbv	99
71) 2-Chlorotoluene	10.908	91	777635	10.312	ppbv	100
72) 4-Ethyltoluene	11.128	105	850373	10.511	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	737397	10.437	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	816996	10.037	ppbv	95
75) 1,3-Dichlorobenzene	11.613	146	475804	10.658	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	473366	10.654	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	470868	10.833	ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	366515	8.284	ppbv	99
79) Naphthalene	13.517	128	842258	9.460	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	310504	7.112	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	377618	9.195	ppbv	99

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

