

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012725\
 Data File : VL041944.D
 Acq On : 27 Jan 2025 10:05
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/30/2025
 Supervised By : Mahesh Dadoda 01/30/2025

Quant Time: Jan 28 02:32:47 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M

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

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	149075	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	415161	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	364534	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 290387 10.114 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	213119	10.496	ppbv	98
3) Chlorodifluoromethane	1.479	51	227003	10.671	ppbv	100
4) Chloromethane	1.534	50	82387	10.788	ppbv	98
5) Vinyl Chloride	1.583	62	78132	10.101	ppbv	97
6) Bromomethane	1.670	94	37894	10.279	ppbv	98
7) Chloroethane	1.706	64	33025	10.973	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	184435	10.393	ppbv	98
9) Propene	1.486	41	90955	10.380	ppbv	95
10) Heptane	4.994	43	258967	11.056	ppbv	98
11) Trichlorofluoromethane	1.881	101	205801	9.743	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.146	101	170817	10.318	ppbv	99
13) Ethanol	1.725	45	4415	6.878	ppbv	94
14) Bromoethene	1.787	108	58083	9.583	ppbv	96
15) Acetone	1.839	43	169478	9.465	ppbv	99
16) 1,3-Butadiene	1.612	39	84348	10.496	ppbv	100
17) tert-Butyl alcohol	2.046	59	207930	9.435	ppbv	98
18) 1,1-Dichloroethene	2.039	96	75629	10.136	ppbv	99
19) Isopropyl Alcohol	1.890	45	96486	9.088	ppbv	95
20) Methylene Chloride	2.065	84	64225	9.076	ppbv	98
21) Allyl Chloride	2.101	41	129597	10.453	ppbv	98
22) trans-1,2-Dichloroethene	2.347	96	87196	10.355	ppbv	97
23) Vinyl Acetate	2.470	43	73473	8.278	ppbv #	95
24) 1,1-Dichloroethane	2.415	63	168681	10.356	ppbv	99
25) Ethyl Acetate	2.845	43	533237	11.044	ppbv	99
26) Hexane	2.832	57	211315	11.066	ppbv	97
27) Carbon Disulfide	2.156	76	205971	10.900	ppbv	97
28) Methyl tert-Butyl Ether	2.447	73	111584	7.645	ppbv	100
29) Chloroform	2.858	83	326439	10.814	ppbv	99
30) Cyclohexane	3.871	84	176628	10.664	ppbv	100
31) cis-1,2-Dichloroethene	2.729	61	205197	10.205	ppbv	93
32) 1,1,1-Trichloroethane	3.379	97	312255	10.810	ppbv	99
34) 2-Butanone	2.564	43	303997	11.514	ppbv	99
35) Carbon Tetrachloride	3.774	117	316836	12.150	ppbv	99
36) Benzene	3.667	78	432961	11.370	ppbv	97
37) 1,2-Dichloroethane	3.227	62	240456	11.244	ppbv	99
38) Trichloroethene	4.564	130	167416	11.079	ppbv	97
39) 1,2-Dichloropropane	4.324	63	148143	11.091	ppbv	98
40) 1,4-Dioxane	4.596	88	69928	10.367	ppbv #	99
41) Tetrahydrofuran	3.065	42	170732	11.899	ppbv	99
42) Bromodichloromethane	4.502	83	334591	11.669	ppbv	96
43) Methyl Methacrylate	4.897	69	156013	11.029	ppbv	98
44) 2,2,4-Trimethylpentane	4.655	57	717998	11.658	ppbv	99
45) t-1,3-Dichloropropene	6.435	75	147450	11.136	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	202424	11.644	ppbv	99
47) 1,1,2-Trichloroethane	6.597	97	164305	11.606	ppbv	97
48) Dibromochloromethane	7.399	129	262942	12.038	ppbv	100
49) Bromoform	9.493	173	216634	12.074	ppbv	99
50) 4-Methyl-2-Pentanone	5.771	43	410655	11.394	ppbv	100
51) 2-Hexanone	7.451	43	319063	11.521	ppbv #	98
52) Tetrachloroethene	8.238	164	137364	10.404	ppbv	98
53) Toluene	6.946	91	475146	11.456	ppbv	99
54) 1,2-Dibromoethane	7.668	107	224086	11.514	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.937	131	211703	11.640	ppbv	99
57) Chlorobenzene	8.933	112	376929	11.210	ppbv	97
58) Ethyl Benzene	9.364	91	655579	11.507	ppbv	99
59) m/p-Xylene	9.561	91	1069261m	23.416	ppbv	
60) o-Xylene	9.972	91	536013	11.826	ppbv	99
61) Styrene	9.882	104	240993	11.853	ppbv	100
62) Isopropylbenzene	10.548	105	806301	11.496	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	339396	11.718	ppbv	99
64) n-propylbenzene	10.998	120	209670	11.831	ppbv	98
65) tert-Butylbenzene	11.542	119	733219	11.472	ppbv	100
66) Benzyl Chloride	11.626	91	42157	10.656	ppbv	97
67) sec-Butylbenzene	11.778	105	1007276	11.445	ppbv	100
69) p-Isopropyltoluene	11.937	119	838003	11.563	ppbv	99
70) n-Butylbenzene	12.290	91	822628	11.445	ppbv	100
71) 2-Chlorotoluene	10.911	91	593791	11.445	ppbv	100
72) 4-Ethyltoluene	11.134	105	639849	11.802	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	552715	11.544	ppbv	94
74) 1,2,4-Trimethylbenzene	11.545	105	595508	11.485	ppbv	96
75) 1,3-Dichlorobenzene	11.617	146	342543	11.149	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	337079	11.213	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	339752	11.157	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	238004	9.523	ppbv	99
79) Naphthalene	13.523	128	531745	10.186	ppbv	99
80) Naphthalene,2-methyl-	14.468	142	172526	6.970	ppbv	99
81) 1,2,4-Trichlorobenzene	13.452	180	242148	9.503	ppbv	99

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

