

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041917.D
 Acq On : 20 Jan 2025 12:25
 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 01/21/2025
 Supervised By : Mahesh Dadoda 01/21/2025

Quant Time: Jan 21 03:02:14 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	2.784	49	141673	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.955	114	411747	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.878	117	366617	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 293204 10.154 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	203725	10.557	ppbv	99
3) Chlorodifluoromethane	1.473	51	206837	10.231	ppbv	98
4) Chloromethane	1.531	50	74817	10.309	ppbv	98
5) Vinyl Chloride	1.576	62	75435	10.262	ppbv	94
6) Bromomethane	1.667	94	34889	9.958	ppbv	93
7) Chloroethane	1.703	64	29546	10.330	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	171284	10.156	ppbv	100
9) Propene	1.483	41	84715	10.173	ppbv	98
10) Heptane	4.975	43	229131	10.294	ppbv	100
11) Trichlorofluoromethane	1.874	101	197469	9.837	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	160467	10.200	ppbv	99
13) Ethanol	1.719	45	3749	6.146	ppbv	94
14) Bromoethene	1.780	108	56412	9.793	ppbv	99
15) Acetone	1.832	43	153081	8.996	ppbv	98
16) 1,3-Butadiene	1.606	39	76981	10.080	ppbv	97
17) tert-Butyl alcohol	2.039	59	188440	8.998	ppbv	99
18) 1,1-Dichloroethene	2.033	96	69158	9.753	ppbv	90
19) Isopropyl Alcohol	1.884	45	89019	8.823	ppbv	92
20) Methylene Chloride	2.059	84	57546	8.557	ppbv	96
21) Allyl Chloride	2.094	41	119961	10.181	ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	79830	9.975	ppbv	97
23) Vinyl Acetate	2.460	43	79276	9.399	ppbv #	96
24) 1,1-Dichloroethane	2.405	63	155899	10.071	ppbv	100
25) Ethyl Acetate	2.832	43	472214	10.291	ppbv	100
26) Hexane	2.823	57	189473	10.441	ppbv	98
27) Carbon Disulfide	2.146	76	191777	10.679	ppbv	98
28) Methyl tert-Butyl Ether	2.441	73	134406	9.690	ppbv	99
29) Chloroform	2.845	83	293833	10.243	ppbv	99
30) Cyclohexane	3.852	84	164556	10.454	ppbv	96
31) cis-1,2-Dichloroethene	2.719	61	193337	10.118	ppbv	94
32) 1,1,1-Trichloroethane	3.363	97	295721	10.773	ppbv	99
34) 2-Butanone	2.554	43	279040	10.656	ppbv	99
35) Carbon Tetrachloride	3.758	117	297344	11.497	ppbv	99
36) Benzene	3.651	78	390961	10.353	ppbv	98
37) 1,2-Dichloroethane	3.214	62	226025	10.657	ppbv	99
38) Trichloroethene	4.541	130	156566	10.447	ppbv	96
39) 1,2-Dichloropropane	4.308	63	135938	10.262	ppbv	98
40) 1,4-Dioxane	4.580	88	62682	9.370	ppbv #	91
41) Tetrahydrofuran	3.052	42	153011	10.752	ppbv	98
42) Bromodichloromethane	4.486	83	311544	10.955	ppbv	98
43) Methyl Methacrylate	4.878	69	146142	10.417	ppbv	99
44) 2,2,4-Trimethylpentane	4.635	57	643085	10.528	ppbv	100
45) t-1,3-Dichloropropene	6.409	75	147278	11.215	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	191623	11.114	ppbv	97
47) 1,1,2-Trichloroethane	6.577	97	151234	10.772	ppbv	96
48) Dibromochloromethane	7.383	129	250059	11.543	ppbv	98
49) Bromoform	9.480	173	208438	11.713	ppbv	99
50) 4-Methyl-2-Pentanone	5.748	43	380994	10.658	ppbv	99
51) 2-Hexanone	7.435	43	296893	10.809	ppbv #	98
52) Tetrachloroethene	8.221	164	128925	9.846	ppbv	97
53) Toluene	6.927	91	441480	10.732	ppbv	99
54) 1,2-Dibromoethane	7.648	107	208665	10.811	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.920	131	196915	10.766	ppbv	99
57) Chlorobenzene	8.917	112	344297	10.181	ppbv	97
58) Ethyl Benzene	9.351	91	621872	10.854	ppbv	98
59) m/p-Xylene	9.545	91	998348m	21.739	ppbv	
60) o-Xylene	9.963	91	501346	10.998	ppbv	99
61) Styrene	9.869	104	230415	11.268	ppbv	100
62) Isopropylbenzene	10.535	105	754701	10.699	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	308812	10.602	ppbv	99
64) n-propylbenzene	10.989	120	191700	10.756	ppbv	99
65) tert-Butylbenzene	11.529	119	689403	10.725	ppbv	99
66) Benzyl Chloride	11.613	91	43319	10.888	ppbv	99
67) sec-Butylbenzene	11.765	105	942685	10.650	ppbv	100
69) p-Isopropyltoluene	11.924	119	791581	10.860	ppbv	100
70) n-Butylbenzene	12.280	91	761646	10.537	ppbv	100
71) 2-Chlorotoluene	10.898	91	559890	10.730	ppbv	100
72) 4-Ethyltoluene	11.124	105	594409	10.901	ppbv	100
73) 1,3,5-Trimethylbenzene	11.202	105	519084	10.780	ppbv	98
74) 1,2,4-Trimethylbenzene	11.536	105	556666	10.675	ppbv	95
75) 1,3-Dichlorobenzene	11.607	146	318934	10.321	ppbv	100
76) 1,4-Dichlorobenzene	11.671	146	318485	10.535	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	314384	10.266	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	228831	9.104	ppbv	99
79) Naphthalene	13.513	128	503311	9.586	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	179578	7.214	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	238914	9.322	ppbv	97

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

