

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040925\
 Data File : VL042286.D
 Acq On : 09 Apr 2025 10:20
 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 04/10/2025
 Supervised By : Mahesh Dadoda 04/10/2025

Quant Time: Apr 10 01:39:52 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	2.784	49	155631	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	397176	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	350140	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 285515 9.930 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	224739	9.780	ppbv	99
3) Chlorodifluoromethane	1.473	51	242368	10.325	ppbv	99
4) Chloromethane	1.531	50	94421	10.054	ppbv	99
5) Vinyl Chloride	1.580	62	87077	8.750	ppbv	96
6) Bromomethane	1.667	94	38883	9.136	ppbv	95
7) Chloroethane	1.703	64	35019	9.290	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	193376	9.882	ppbv	92
9) Propene	1.483	41	92247	8.573	ppbv	98
10) Heptane	4.972	43	280156	9.789	ppbv	99
11) Trichlorofluoromethane	1.874	101	218729	9.783	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.137	101	178752	9.726	ppbv	98
13) Ethanol	1.719	45	4608	4.530	ppbv	92
14) Bromoethene	1.781	108	61204	8.693	ppbv	97
15) Acetone	1.832	43	196063	9.008	ppbv	96
16) 1,3-Butadiene	1.606	39	94932	8.931	ppbv	98
17) tert-Butyl alcohol	2.040	59	220187	8.122	ppbv	98
18) 1,1-Dichloroethene	2.033	96	77686	9.042	ppbv	98
19) Isopropyl Alcohol	1.884	45	103348	8.415	ppbv	93
20) Methylene Chloride	2.059	84	68588	8.461	ppbv	95
21) Allyl Chloride	2.095	41	139965	9.118	ppbv	96
22) trans-1,2-Dichloroethene	2.337	96	88334	8.896	ppbv	94
23) Vinyl Acetate	2.460	43	73162	7.766	ppbv #	96
24) 1,1-Dichloroethane	2.405	63	180404	9.801	ppbv	99
25) Ethyl Acetate	2.833	43	567125	10.039	ppbv	98
26) Hexane	2.823	57	214891	9.848	ppbv	97
27) Carbon Disulfide	2.146	76	216499	9.253	ppbv	97
28) Methyl tert-Butyl Ether	2.438	73	109726	8.077	ppbv	94
29) Chloroform	2.845	83	340889	10.675	ppbv	99
30) Cyclohexane	3.852	84	170359	8.991	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	201796	9.110	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	332252	9.088	ppbv	98
34) 2-Butanone	2.554	43	313515	10.886	ppbv	98
35) Carbon Tetrachloride	3.758	117	349240	11.256	ppbv	100
36) Benzene	3.651	78	425324	10.802	ppbv	97
37) 1,2-Dichloroethane	3.214	62	256791	11.391	ppbv	99
38) Trichloroethene	4.541	130	170362	10.370	ppbv	97
39) 1,2-Dichloropropane	4.312	63	153583	10.710	ppbv	95
40) 1,4-Dioxane	4.577	88	72604	9.539	ppbv #	95
41) Tetrahydrofuran	3.053	42	175060	10.556	ppbv	95
42) Bromodichloromethane	4.483	83	358962	11.551	ppbv	100
43) Methyl Methacrylate	4.875	69	154975	9.297	ppbv	97
44) 2,2,4-Trimethylpentane	4.635	57	742388	11.157	ppbv	96
45) t-1,3-Dichloropropene	6.412	75	147204	8.231	ppbv	98

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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	5.593	75	195802	8.932	ppbv	98
47) 1,1,2-Trichloroethane	6.574	97	172343	11.369	ppbv	97
48) Dibromochloromethane	7.380	129	280199	10.907	ppbv	100
49) Bromoform	9.481	173	250227	10.849	ppbv	99
50) 4-Methyl-2-Pentanone	5.745	43	445454	9.760	ppbv	95
51) 2-Hexanone	7.432	43	353706	9.437	ppbv #	94
52) Tetrachloroethene	8.222	164	141976	9.092	ppbv	95
53) Toluene	6.927	91	464948	9.961	ppbv	99
54) 1,2-Dibromoethane	7.649	107	229720	10.871	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.921	131	231041	11.987	ppbv	98
57) Chlorobenzene	8.917	112	399227	12.021	ppbv	93
58) Ethyl Benzene	9.351	91	673801	10.834	ppbv	98
59) m/p-Xylene	9.549	91	1161067m	23.379	ppbv	
60) o-Xylene	9.960	91	581045	11.671	ppbv	97
61) Styrene	9.869	104	251525	10.212	ppbv	98
62) Isopropylbenzene	10.536	105	859013	11.538	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.960	83	381841	12.623	ppbv	99
64) n-propylbenzene	10.986	120	228532	11.925	ppbv	100
65) tert-Butylbenzene	11.529	119	784483	11.393	ppbv	100
66) Benzyl Chloride	11.614	91	57966	7.934	ppbv	100
67) sec-Butylbenzene	11.766	105	1128106	11.787	ppbv	100
69) p-Isopropyltoluene	11.924	119	961623	11.669	ppbv	99
70) n-Butylbenzene	12.280	91	998455	11.847	ppbv	99
71) 2-Chlorotoluene	10.898	91	654276	11.323	ppbv	98
72) 4-Ethyltoluene	11.122	105	728517	11.753	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	620415	11.460	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	709204	11.371	ppbv	97
75) 1,3-Dichlorobenzene	11.607	146	426300	12.462	ppbv	98
76) 1,4-Dichlorobenzene	11.669	146	423561	12.442	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	419286	12.589	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	334414	9.864	ppbv	99
79) Naphthalene	13.513	128	808459	11.851	ppbv	99
80) Naphthalene,2-methyl-	14.459	142	373298	11.158	ppbv	100
81) 1,2,4-Trichlorobenzene	13.439	180	355741	11.305	ppbv	100

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

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