

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
 Data File : VL042326.D
 Acq On : 15 Apr 2025 11:30
 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 04/16/2025
 Supervised By : Mahesh Dadoda 04/16/2025

Quant Time: Apr 16 01:29:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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)

Internal Standards						
1) Bromochloromethane	2.806	49	172263	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.988	114	457227	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.911	117	411493	10.000	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.403 95 325960 9.646 ppbv 0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	214541	8.435	ppbv	99
3) Chlorodifluoromethane	1.483	51	235250	9.054	ppbv	98
4) Chloromethane	1.541	50	89653	8.625	ppbv	98
5) Vinyl Chloride	1.589	62	83204	7.554	ppbv	96
6) Bromomethane	1.677	94	36297	7.705	ppbv	99
7) Chloroethane	1.716	64	32145	7.704	ppbv	97
8) Dichlorotetrafluoroethane	1.564	85	182884	8.443	ppbv	94
9) Propene	1.492	41	101034	8.483	ppbv	98
10) Heptane	5.020	43	276748	8.736	ppbv	98
11) Trichlorofluoromethane	1.887	101	202387	8.178	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.153	101	157030	7.719	ppbv	98
13) Ethanol	1.732	45	4440	3.944	ppbv	93
14) Bromoethene	1.793	108	59588	7.646	ppbv	99
15) Acetone	1.845	43	183439	7.614	ppbv	96
16) 1,3-Butadiene	1.619	39	90954	7.731	ppbv	100
17) tert-Butyl alcohol	2.052	59	209737	6.990	ppbv	100
18) 1,1-Dichloroethene	2.046	96	72322	7.605	ppbv	96
19) Isopropyl Alcohol	1.897	45	104424	7.682	ppbv	98
20) Methylene Chloride	2.075	84	60337	6.725	ppbv	90
21) Allyl Chloride	2.111	41	132956	7.825	ppbv	98
22) trans-1,2-Dichloroethene	2.357	96	81572	7.422	ppbv	96
23) Vinyl Acetate	2.480	43	72160	6.920	ppbv	97
24) 1,1-Dichloroethane	2.425	63	169411	8.315	ppbv	100
25) Ethyl Acetate	2.855	43	564611	9.030	ppbv	99
26) Hexane	2.845	57	213782	8.851	ppbv	98
27) Carbon Disulfide	2.166	76	195452	7.547	ppbv	97
28) Methyl tert-Butyl Ether	2.457	73	116301	7.734	ppbv	96
29) Chloroform	2.868	83	314164	8.888	ppbv	100
30) Cyclohexane	3.884	84	173360	8.266	ppbv	98
31) cis-1,2-Dichloroethene	2.739	61	208160	8.490	ppbv	96
32) 1,1,1-Trichloroethane	3.392	97	311758	7.704	ppbv	98
34) 2-Butanone	2.577	43	317117	9.565	ppbv	97
35) Carbon Tetrachloride	3.790	117	317942	8.902	ppbv	99
36) Benzene	3.684	78	424254	9.360	ppbv	94
37) 1,2-Dichloroethane	3.243	62	239556	9.231	ppbv	100
38) Trichloroethene	4.583	130	172146	9.102	ppbv	96
39) 1,2-Dichloropropane	4.350	63	151707	9.190	ppbv	96
40) 1,4-Dioxane	4.622	88	72075	8.226	ppbv #	98
41) Tetrahydrofuran	3.075	42	181471	9.505	ppbv	95
42) Bromodichloromethane	4.525	83	333167	9.313	ppbv	97
43) Methyl Methacrylate	4.923	69	155399	8.098	ppbv	96
44) 2,2,4-Trimethylpentane	4.677	57	728571	9.511	ppbv	99
45) t-1,3-Dichloropropene	6.461	75	151063	7.338	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.648	75	204339	8.097	ppbv	98
47) 1,1,2-Trichloroethane	6.626	97	163132	9.348	ppbv	97
48) Dibromochloromethane	7.425	129	272592	9.217	ppbv	99
49) Bromoform	9.513	173	238880	8.997	ppbv	100
50) 4-Methyl-2-Pentanone	5.800	43	442851	8.428	ppbv	97
51) 2-Hexanone	7.474	43	353471	8.192	ppbv #	97
52) Tetrachloroethene	8.260	164	144481	8.037	ppbv	98
53) Toluene	6.975	91	461854	8.595	ppbv	100
54) 1,2-Dibromoethane	7.687	107	220075	9.047	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.956	131	214175	9.455	ppbv	99
57) Chlorobenzene	8.953	112	375357	9.617	ppbv	97
58) Ethyl Benzene	9.383	91	639857	8.754	ppbv	99
59) m/p-Xylene	9.581	91	1063509m	18.222	ppbv	
60) o-Xylene	9.992	91	528896	9.040	ppbv	95
61) Styrene	9.898	104	245300	8.474	ppbv	97
62) Isopropylbenzene	10.565	105	794408	9.079	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.992	83	343786	9.671	ppbv	100
64) n-propylbenzene	11.015	120	212879	9.452	ppbv	95
65) tert-Butylbenzene	11.555	119	721078	8.911	ppbv	97
66) Benzyl Chloride	11.639	91	54427	6.339	ppbv	98
67) sec-Butylbenzene	11.791	105	1026079	9.123	ppbv	99
69) p-Isopropyltoluene	11.947	119	865385	8.935	ppbv	99
70) n-Butylbenzene	12.303	91	884265	8.928	ppbv	99
71) 2-Chlorotoluene	10.927	91	599592	8.830	ppbv	98
72) 4-Ethyltoluene	11.147	105	657765	9.029	ppbv	99
73) 1,3,5-Trimethylbenzene	11.228	105	557593	8.764	ppbv	99
74) 1,2,4-Trimethylbenzene	11.558	105	623563	8.507	ppbv #	86
75) 1,3-Dichlorobenzene	11.630	146	381572	9.492	ppbv	98
76) 1,4-Dichlorobenzene	11.694	146	380035	9.499	ppbv	98
77) 1,2-Dichlorobenzene	11.969	146	379896	9.706	ppbv	97
78) Hexachloro-1,3-Butadiene	13.902	225	311900	7.828	ppbv	99
79) Naphthalene	13.533	128	760876	9.490	ppbv	99
80) Naphthalene,2-methyl-	14.478	142	365398	9.294	ppbv	98
81) 1,2,4-Trichlorobenzene	13.461	180	337032	9.114	ppbv	99

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

