

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041915.D
 Acq On : 15 Jan 2025 08:37
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Jan 15 09:07:38 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

Reviewed By : Semsettin Yesilyurt 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

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

Internal Standards						
1) Bromochloromethane	2.787	49	133682	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.959	114	381046	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.882	117	340533	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 269067 10.032 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	190883	10.483	ppbv	100
3) Chlorodifluoromethane	1.476	51	191030	10.014	ppbv	98
4) Chloromethane	1.531	50	70529	10.299	ppbv	100
5) Vinyl Chloride	1.580	62	69817	10.065	ppbv	98
6) Bromomethane	1.667	94	33785	10.220	ppbv	94
7) Chloroethane	1.703	64	28932	10.720	ppbv	90
8) Dichlorotetrafluoroethane	1.554	85	158159	9.939	ppbv	99
9) Propene	1.483	41	78676	10.012	ppbv	97
10) Heptane	4.978	43	219182	10.435	ppbv	100
11) Trichlorofluoromethane	1.877	101	188824	9.969	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	152608	10.280	ppbv	98
13) Ethanol	1.722	45	3770	6.550	ppbv	97
14) Bromoethene	1.780	108	53044	9.759	ppbv	100
15) Acetone	1.835	43	145440	9.058	ppbv	99
16) 1,3-Butadiene	1.609	39	72808	10.103	ppbv	97
17) tert-Butyl alcohol	2.042	59	192032	9.717	ppbv	98
18) 1,1-Dichloroethene	2.033	96	67994	10.162	ppbv	96
19) Isopropyl Alcohol	1.887	45	87066	9.145	ppbv	99
20) Methylene Chloride	2.062	84	56906	8.968	ppbv	97
21) Allyl Chloride	2.098	41	115171	10.359	ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	75854	10.045	ppbv	97
23) Vinyl Acetate	2.463	43	69930	10.004	ppbv	99
24) 1,1-Dichloroethane	2.408	63	148619	10.175	ppbv	99
25) Ethyl Acetate	2.839	43	447057	10.325	ppbv	100
26) Hexane	2.826	57	179182	10.464	ppbv	98
27) Carbon Disulfide	2.149	76	177726	10.488	ppbv	99
28) Methyl tert-Butyl Ether	2.441	73	111344	8.507	ppbv	100
29) Chloroform	2.848	83	283771	10.483	ppbv	98
30) Cyclohexane	3.858	84	152094	10.240	ppbv	99
31) cis-1,2-Dichloroethene	2.722	61	182222	10.106	ppbv	98
32) 1,1,1-Trichloroethane	3.366	97	276080	10.659	ppbv	100
34) 2-Butanone	2.557	43	256230	10.574	ppbv	100
35) Carbon Tetrachloride	3.764	117	277215	11.560	ppbv	99
36) Benzene	3.658	78	367339	10.511	ppbv	99
37) 1,2-Dichloroethane	3.221	62	210552	10.727	ppbv	99
38) Trichloroethene	4.551	130	145917	10.517	ppbv	95
39) 1,2-Dichloropropane	4.315	63	126885	10.350	ppbv	98
40) 1,4-Dioxane	4.583	88	62719	10.137	ppbv #	89
41) Tetrahydrofuran	3.056	42	142078	10.753	ppbv	99
42) Bromodichloromethane	4.489	83	290849	11.052	ppbv	96
43) Methyl Methacrylate	4.884	69	142726	10.993	ppbv	99
44) 2,2,4-Trimethylpentane	4.641	57	600177	10.617	ppbv	99
45) t-1,3-Dichloropropene	6.418	75	137142	11.285	ppbv	100

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46) cis-1,3-Dichloropropene	5.600	75	178837	11.208	ppbv	97
47) 1,1,2-Trichloroethane	6.583	97	139382	10.726	ppbv	98
48) Dibromochloromethane	7.389	129	229205	11.433	ppbv	98
49) Bromoform	9.484	173	186276	11.311	ppbv	99
50) 4-Methyl-2-Pentanone	5.758	43	359777	10.897	ppbv	99
51) 2-Hexanone	7.441	43	287760	11.321	ppbv #	98
52) Tetrachloroethene	8.224	164	122829	10.136	ppbv	97
53) Toluene	6.936	91	413947	10.873	ppbv	99
54) 1,2-Dibromoethane	7.652	107	194641	10.896	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.927	131	186173	10.958	ppbv	98
57) Chlorobenzene	8.924	112	325559	10.364	ppbv	99
58) Ethyl Benzene	9.357	91	594748	11.176	ppbv	98
59) m/p-Xylene	9.532	91	964154m	22.570	ppbv	
60) o-Xylene	9.966	91	480219	11.342	ppbv	100
61) Styrene	9.872	104	222529	11.716	ppbv	99
62) Isopropylbenzene	10.542	105	714600	10.907	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	284076	10.659	ppbv	99
64) n-propylbenzene	10.992	120	185193	11.186	ppbv	99
65) tert-Butylbenzene	11.532	119	643420	10.776	ppbv	99
66) Benzyl Chloride	11.616	91	36853	9.972	ppbv	98
67) sec-Butylbenzene	11.769	105	885752	10.774	ppbv	99
69) p-Isopropyltoluene	11.927	119	738290	10.905	ppbv	100
70) n-Butylbenzene	12.283	91	714292	10.638	ppbv	99
71) 2-Chlorotoluene	10.904	91	533935	11.017	ppbv	100
72) 4-Ethyltoluene	11.128	105	575036	11.354	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	491905	10.998	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	535878	11.063	ppbv	94
75) 1,3-Dichlorobenzene	11.610	146	305274	10.636	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	304097	10.829	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	288196	10.131	ppbv	97
78) Hexachloro-1,3-Butadiene	13.885	225	197004	8.438	ppbv	100
79) Naphthalene	13.516	128	443650	9.097	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	188081	8.134	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	205739	8.643	ppbv	96

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

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