

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012725\
 Data File : VL041947.D
 Acq On : 27 Jan 2025 12:19
 Operator : SY/MD
 Sample : VL0127ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABS01

Quant Time: Jan 28 02:34:21 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.797	49	143025	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	399567	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	348759	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	276515	10.066	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.700%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	206901	10.620	ppbv	99
3) Chlorodifluoromethane	1.480	51	214338	10.502	ppbv	99
4) Chloromethane	1.538	50	76820	10.485	ppbv	96
5) Vinyl Chloride	1.583	62	76382	10.292	ppbv	97
6) Bromomethane	1.671	94	35162	9.941	ppbv	96
7) Chloroethane	1.709	64	30210	10.463	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	172692	10.143	ppbv	100
9) Propene	1.486	41	86511	10.290	ppbv	97
10) Heptane	4.998	43	253457	11.279	ppbv	98
11) Trichlorofluoromethane	1.884	101	197641	9.753	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.146	101	156498	9.853	ppbv	98
13) Ethanol	1.729	45	4346	7.057	ppbv	90
14) Bromoethene	1.787	108	57049	9.810	ppbv	99
15) Acetone	1.842	43	158965	9.254	ppbv	99
16) 1,3-Butadiene	1.612	39	83092	10.777	ppbv	97
17) tert-Butyl alcohol	2.049	59	194278	9.189	ppbv	98
18) 1,1-Dichloroethene	2.040	96	69693	9.736	ppbv	96
19) Isopropyl Alcohol	1.894	45	92836	9.115	ppbv	94
20) Methylene Chloride	2.069	84	60388	8.895	ppbv	95
21) Allyl Chloride	2.104	41	116571	9.800	ppbv	99
22) trans-1,2-Dichloroethene	2.347	96	81007	10.027	ppbv	97
23) Vinyl Acetate	2.470	43	79222	9.304	ppbv #	96
24) 1,1-Dichloroethane	2.418	63	162663	10.409	ppbv	99
25) Ethyl Acetate	2.849	43	513887	11.094	ppbv	99
26) Hexane	2.836	57	200961	10.969	ppbv	95
27) Carbon Disulfide	2.156	76	192704	10.629	ppbv	99
28) Methyl tert-Butyl Ether	2.451	73	124946	8.923	ppbv	99
29) Chloroform	2.858	83	315137	10.881	ppbv	97
30) Cyclohexane	3.872	84	171665	10.802	ppbv	100
31) cis-1,2-Dichloroethene	2.732	61	198570	10.293	ppbv	92
32) 1,1,1-Trichloroethane	3.380	97	299609	10.811	ppbv	99
34) 2-Butanone	2.567	43	290154	11.419	ppbv	99
35) Carbon Tetrachloride	3.778	117	308983	12.311	ppbv	98
36) Benzene	3.671	78	414621	11.314	ppbv	99
37) 1,2-Dichloroethane	3.231	62	230482	11.198	ppbv	99
38) Trichloroethene	4.567	130	164755	11.329	ppbv	95
39) 1,2-Dichloropropane	4.334	63	143940	11.197	ppbv	97
40) 1,4-Dioxane	4.606	88	69223	10.663	ppbv #	97
41) Tetrahydrofuran	3.069	42	160711	11.637	ppbv	99
42) Bromodichloromethane	4.509	83	328091	11.889	ppbv	95
43) Methyl Methacrylate	4.901	69	156642	11.506	ppbv	99
44) 2,2,4-Trimethylpentane	4.661	57	691648	11.668	ppbv	99
45) t-1,3-Dichloropropene	6.435	75	146256	11.477	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.626	75	197114	11.781	ppbv	100
47) 1,1,2-Trichloroethane	6.607	97	162420	11.921	ppbv	96
48) Dibromochloromethane	7.406	129	248197	11.806	ppbv	99
49) Bromoform	9.497	173	205170	11.881	ppbv	99
50) 4-Methyl-2-Pentanone	5.778	43	396687	11.436	ppbv	100
51) 2-Hexanone	7.461	43	320223	12.014	ppbv #	97
52) Tetrachloroethene	8.238	164	137187	10.796	ppbv	95
53) Toluene	6.953	91	467674	11.715	ppbv	100
54) 1,2-Dibromoethane	7.671	107	215083	11.483	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.940	131	206531	11.870	ppbv	100
57) Chlorobenzene	8.937	112	373904	11.623	ppbv	97
58) Ethyl Benzene	9.371	91	647487	11.880	ppbv	96
59) m/p-Xylene	9.545	91	1065769m	24.395	ppbv	
60) o-Xylene	9.979	91	529149	12.203	ppbv	99
61) Styrene	9.885	104	243068	12.495	ppbv	99
62) Isopropylbenzene	10.552	105	793281	11.822	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.976	83	323789	11.685	ppbv	99
64) n-propylbenzene	11.002	120	206392	12.173	ppbv	99
65) tert-Butylbenzene	11.542	119	702412	11.487	ppbv	99
66) Benzyl Chloride	11.627	91	39829	10.523	ppbv	99
67) sec-Butylbenzene	11.779	105	980787	11.648	ppbv	100
69) p-Isopropyltoluene	11.937	119	813693	11.735	ppbv	100
70) n-Butylbenzene	12.293	91	802930	11.677	ppbv	99
71) 2-Chlorotoluene	10.914	91	587822	11.843	ppbv	100
72) 4-Ethyltoluene	11.138	105	644084	12.417	ppbv	99
73) 1,3,5-Trimethylbenzene	11.215	105	543491	11.865	ppbv	96
74) 1,2,4-Trimethylbenzene	11.549	105	591073	11.915	ppbv	95
75) 1,3-Dichlorobenzene	11.620	146	342442	11.649	ppbv	99
76) 1,4-Dichlorobenzene	11.682	146	338784	11.780	ppbv	99
77) 1,2-Dichlorobenzene	11.960	146	327583	11.244	ppbv	100
78) Hexachloro-1,3-Butadiene	13.895	225	217546	9.098	ppbv	99
79) Naphthalene	13.526	128	498588	9.982	ppbv	99
80) Naphthalene,2-methyl-	14.472	142	203477	8.593	ppbv	97
81) 1,2,4-Trichlorobenzene	13.452	180	220567	9.047	ppbv	99

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

