

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021125\
 Data File : VL041995.D
 Acq On : 11 Feb 2025 09:21
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Feb 11 22:16:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 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	2.780	49	165067	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.949	114	461899	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.872	117	409502	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	323600	10.033	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.495	85	184578	8.209	ppbv	98
3) Chlorodifluoromethane	1.473	51	217978	9.254	ppbv	100
4) Chloromethane	1.531	50	78735	9.311	ppbv	94
5) Vinyl Chloride	1.576	62	75718	8.840	ppbv	100
6) Bromomethane	1.664	94	34751	8.513	ppbv	100
7) Chloroethane	1.699	64	30577	9.176	ppbv	99
8) Dichlorotetrafluoroethane	1.550	85	174152	8.863	ppbv	97
9) Propene	1.479	41	86973	8.964	ppbv	98
10) Heptane	4.968	43	249915	9.636	ppbv	99
11) Trichlorofluoromethane	1.874	101	197409	8.440	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.133	101	161792	8.826	ppbv	100
13) Ethanol	1.719	45	4207	5.919	ppbv	98
14) Bromoethene	1.777	108	56091	8.358	ppbv	100
15) Acetone	1.832	43	169197	8.534	ppbv	100
16) 1,3-Butadiene	1.605	39	80979	9.100	ppbv	99
17) tert-Butyl alcohol	2.036	59	194020	7.951	ppbv	99
18) 1,1-Dichloroethene	2.030	96	68340	8.272	ppbv	97
19) Isopropyl Alcohol	1.881	45	100549	8.554	ppbv	97
20) Methylene Chloride	2.055	84	58417	7.456	ppbv	93
21) Allyl Chloride	2.091	41	125320	9.129	ppbv	97
22) trans-1,2-Dichloroethene	2.334	96	81044	8.692	ppbv	95
23) Vinyl Acetate	2.457	43	91374	9.298	ppbv	97
24) 1,1-Dichloroethane	2.402	63	163843	9.085	ppbv	98
25) Ethyl Acetate	2.829	43	526507	9.848	ppbv	99
26) Hexane	2.819	57	204080	9.652	ppbv	95
27) Carbon Disulfide	2.146	76	194622	9.301	ppbv	99
28) Methyl tert-Butyl Ether	2.437	73	129783	8.030	ppbv	100
29) Chloroform	2.842	83	315379	9.436	ppbv	99
30) Cyclohexane	3.848	84	171649	9.359	ppbv	99
31) cis-1,2-Dichloroethene	2.716	61	196842	8.841	ppbv	91
32) 1,1,1-Trichloroethane	3.360	97	293390	9.173	ppbv	99
34) 2-Butanone	2.554	43	295348	10.055	ppbv	99
35) Carbon Tetrachloride	3.751	117	295193	10.174	ppbv	99
36) Benzene	3.648	78	411802	9.720	ppbv	98
37) 1,2-Dichloroethane	3.211	62	229357	9.640	ppbv	99
38) Trichloroethene	4.538	130	164845	9.805	ppbv	97
39) 1,2-Dichloropropane	4.305	63	149071	10.031	ppbv	99
40) 1,4-Dioxane	4.573	88	72996	9.727	ppbv #	96
41) Tetrahydrofuran	3.049	42	168274	10.541	ppbv	96
42) Bromodichloromethane	4.476	83	315744	9.897	ppbv	96
43) Methyl Methacrylate	4.868	69	149235	9.482	ppbv	96
44) 2,2,4-Trimethylpentane	4.629	57	698939	10.200	ppbv	99
45) t-1,3-Dichloropropene	6.399	75	138557	9.406	ppbv	97

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 ClientSampleId :
 VSTDCCC010

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	188644	9.753	ppbv	98
47) 1,1,2-Trichloroethane	6.567	97	158381	10.056	ppbv	96
48) Dibromochloromethane	7.376	129	250346	10.302	ppbv	99
49) Bromoform	9.474	173	207303	10.385	ppbv	99
50) 4-Methyl-2-Pentanone	5.739	43	409441	10.210	ppbv	99
51) 2-Hexanone	7.425	43	314376	10.203	ppbv #	96
52) Tetrachloroethene	8.215	164	131972	8.984	ppbv	94
53) Toluene	6.920	91	455647	9.874	ppbv	99
54) 1,2-Dibromoethane	7.639	107	215163	9.937	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.914	131	207137	10.139	ppbv	99
57) Chlorobenzene	8.911	112	367808	9.737	ppbv	99
58) Ethyl Benzene	9.348	91	626798	9.794	ppbv	98
59) m/p-Xylene	9.542	91	1039345m	20.261	ppbv	
60) o-Xylene	9.953	91	516475	10.144	ppbv	99
61) Styrene	9.862	104	228821	10.018	ppbv	99
62) Isopropylbenzene	10.532	105	780031	9.900	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.953	83	335938	10.325	ppbv	100
64) n-propylbenzene	10.982	120	198421	9.967	ppbv	99
65) tert-Butylbenzene	11.526	119	706366	9.838	ppbv	99
66) Benzyl Chloride	11.610	91	40436	9.099	ppbv	97
67) sec-Butylbenzene	11.762	105	980941	9.922	ppbv	99
69) p-Isopropyltoluene	11.921	119	799390	9.819	ppbv	99
70) n-Butylbenzene	12.277	91	788018	9.760	ppbv	99
71) 2-Chlorotoluene	10.895	91	564442	9.685	ppbv	99
72) 4-Ethyltoluene	11.118	105	613118	10.067	ppbv	100
73) 1,3,5-Trimethylbenzene	11.196	105	531202	9.877	ppbv	97
74) 1,2,4-Trimethylbenzene	11.532	105	578544	9.933	ppbv #	88
75) 1,3-Dichlorobenzene	11.600	146	332173	9.624	ppbv	98
76) 1,4-Dichlorobenzene	11.665	146	328424	9.726	ppbv	99
77) 1,2-Dichlorobenzene	11.940	146	332574	9.722	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	223042	7.944	ppbv	98
79) Naphthalene	13.510	128	504119	8.596	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	144752	5.206	ppbv	97
81) 1,2,4-Trichlorobenzene	13.435	180	225437	7.875	ppbv	98

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

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