

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041888.D
 Acq On : 14 Jan 2025 11:40
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jan 14 21:19:53 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 16:31:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	151983	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	455570	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	395574	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	317243	10.182	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	11222	0.542	ppbv	97
3) Chlorodifluoromethane	1.476	51	11427	0.527	ppbv	98
4) Chloromethane	1.534	50	4633	0.595	ppbv #	88
5) Vinyl Chloride	1.583	62	4109	0.521	ppbv	90
6) Bromomethane	1.670	94	1954	0.520	ppbv #	77
7) Chloroethane	1.709	64	1671	0.545	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	8917	0.493	ppbv	99
9) Propene	1.486	41	4949	0.554	ppbv	91
10) Heptane	4.994	43	11425	0.478	ppbv	97
11) Trichlorofluoromethane	1.881	101	9906	0.460	ppbv	89
12) 1,1,2-Trichlorotrifluo...	2.143	101	8347	0.495	ppbv	99
13) Ethanol	1.729	45	553	0.845	ppbv #	52
14) Bromoethene	1.784	108	2955	0.478	ppbv #	82
15) Acetone	1.842	43	10038	0.550	ppbv	90
16) 1,3-Butadiene	1.612	39	4829	0.589	ppbv	91
17) tert-Butyl alcohol	2.049	59	10637	0.473	ppbv #	88
18) 1,1-Dichloroethene	2.036	96	3626	0.477	ppbv	95
19) Isopropyl Alcohol	1.891	45	6365	0.588	ppbv #	32
20) Methylene Chloride	2.065	84	4359	0.604	ppbv	91
21) Allyl Chloride	2.101	41	6185	0.489	ppbv	95
22) trans-1,2-Dichloroethene	2.347	96	4132	0.481	ppbv	91
23) Vinyl Acetate	2.467	43	4508	0.567	ppbv #	92
24) 1,1-Dichloroethane	2.412	63	8388	0.505	ppbv #	94
25) Ethyl Acetate	2.849	43	24398	0.496	ppbv #	96
26) Hexane	2.836	57	10331	0.531	ppbv	99
27) Carbon Disulfide	2.153	76	8804	0.457	ppbv #	1
28) Methyl tert-Butyl Ether	2.447	73	6336	0.426	ppbv	95
29) Chloroform	2.855	83	15742	0.512	ppbv	95
30) Cyclohexane	3.868	84	6553	0.388	ppbv #	60
31) cis-1,2-Dichloroethene	2.344	61	7218	0.352	ppbv	96
32) 1,1,1-Trichloroethane	3.376	97	14604	0.496	ppbv	95
34) 2-Butanone	2.567	43	15277	0.527	ppbv	97
35) Carbon Tetrachloride	3.768	117	14044	0.490	ppbv	84
36) Benzene	3.664	78	21546	0.516	ppbv	96
37) 1,2-Dichloroethane	3.227	62	11973	0.510	ppbv	98
38) Trichloroethene	4.561	130	7688	0.463	ppbv #	89
39) 1,2-Dichloropropane	4.337	63	1610	0.110	ppbv	95
40) 1,4-Dioxane	4.613	88	1107	0.150	ppbv #	1
41) Tetrahydrofuran	3.069	42	8443	0.534	ppbv	97
42) Bromodichloromethane	4.502	83	15340	0.488	ppbv	89
43) Methyl Methacrylate	4.891	69	7309	0.471	ppbv #	90
44) 2,2,4-Trimethylpentane	4.648	57	20546	0.304	ppbv #	42
45) t-1,3-Dichloropropene	6.419	75	1770	0.122	ppbv #	86

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46) cis-1,3-Dichloropropene	5.609	75	4470	0.234	ppbv	95
47) 1,1,2-Trichloroethane	6.597	97	3651	0.235	ppbv #	91
48) Dibromochloromethane	7.399	129	11087	0.463	ppbv	99
49) Bromoform	9.490	173	9073	0.461	ppbv	97
50) 4-Methyl-2-Pentanone	5.774	43	4977	0.126	ppbv #	39
51) 2-Hexanone	7.458	43	7862	0.259	ppbv #	35
52) Tetrachloroethene	8.234	164	7221	0.498	ppbv #	85
53) Toluene	6.946	91	22160	0.487	ppbv	92
54) 1,2-Dibromoethane	7.661	107	10815	0.506	ppbv	85
56) 1,1,1,2-Tetrachloroethane	8.933	131	9870	0.500	ppbv #	1
57) Chlorobenzene	8.930	112	19334	0.530	ppbv #	88
58) Ethyl Benzene	9.361	91	30456	0.493	ppbv	97
59) m/p-Xylene	9.561	91	19790	0.399	ppbv #	1
60) o-Xylene	9.969	91	24142	0.491	ppbv	94
61) Styrene	9.879	104	10428	0.473	ppbv	99
62) Isopropylbenzene	10.549	105	38174	0.502	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	16637	0.537	ppbv	99
64) n-propylbenzene	10.995	120	8606	0.448	ppbv	85
65) tert-Butylbenzene	11.539	119	33232	0.479	ppbv	100
66) Benzyl Chloride	11.620	91	2397	0.558	ppbv #	96
67) sec-Butylbenzene	11.775	105	47437	0.497	ppbv	98
69) p-Isopropyltoluene	11.934	119	38770	0.493	ppbv	97
70) n-Butylbenzene	12.290	91	38146	0.489	ppbv	97
71) 2-Chlorotoluene	10.911	91	27534	0.489	ppbv	99
72) 4-Ethyltoluene	11.131	105	28313	0.481	ppbv	98
73) 1,3,5-Trimethylbenzene	11.209	105	25156	0.484	ppbv	95
74) 1,2,4-Trimethylbenzene	11.542	105	27444	0.488	ppbv	96
75) 1,3-Dichlorobenzene	11.617	146	17033	0.511	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	17963	0.551	ppbv	94
77) 1,2-Dichlorobenzene	11.953	146	17772	0.538	ppbv	98
78) Hexachloro-1,3-Butadiene	13.892	225	13201	0.487	ppbv	98
79) Naphthalene	13.523	128	32709	0.577	ppbv	98
80) Naphthalene,2-methyl-	14.468	142	15991	0.595	ppbv	96
81) 1,2,4-Trichlorobenzene	13.452	180	15628	0.565	ppbv	94

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

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