

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
 Data File : VV038715.D
 Acq On : 17 Mar 2025 13:42
 Operator : SY/MD
 Sample : VSTD10016
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100216

Quant Time: Mar 17 14:50:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 17 13:51:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	424095	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	445230	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	257228	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	402703	113.64	ug/L	0.00
7) Chloroethane-d5	1.526	69	329166	110.25	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	175803	117.02	ug/L	0.00
21) 2-Butanone-d5	3.773	46	298462	176.98	ug/L	0.00
24) Chloroform-d	4.236	84	727132	112.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.928	65	429033	112.72	ug/L	0.00
32) Benzene-d6	4.947	84	1426403	111.20	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.976	67	460608	115.48	ug/L	0.00
41) Toluene-d8	7.233	98	1312845	113.16	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.542	79	203955	105.72	ug/L	0.00
47) 2-Hexanone-d5	8.014	63	223271	183.29	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.143	84	550573	98.69	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.551	152	485185	97.56	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	316054	81.15	ug/L	100
3) Chloromethane	1.214	50	393233	97.32	ug/L	100
5) Vinyl chloride	1.281	62	422412	102.49	ug/L	97
6) Bromomethane	1.481	94	227012	88.90	ug/L	97
8) Chloroethane	1.545	64	261634	100.33	ug/L	99
9) Trichlorofluoromethane	1.709	101	530690	97.63	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	319117	101.96	ug/L	96
12) 1,1-Dichloroethene	2.063	96	307238	103.08	ug/L	94
13) Acetone	2.105	43	340554	146.42	ug/L	97
14) Carbon disulfide	2.233	76	940340	95.86	ug/L	100
15) Methyl Acetate	2.365	43	295053	98.01	ug/L	93
16) Methylene chloride	2.439	84	373350	103.81	ug/L	91
17) trans-1,2-Dichloroethene	2.687	96	327449	100.75	ug/L	95
18) Methyl tert-butyl Ether	2.696	73	966218	102.93	ug/L	98
19) 1,1-Dichloroethane	3.101	63	667071	111.91	ug/L	99
20) cis-1,2-Dichloroethene	3.802	96	369567	108.12	ug/L	92
22) 2-Butanone	3.854	43	376650	170.41	ug/L	95
23) Bromochloromethane	4.137	128	187652	101.00	ug/L	85
25) Chloroform	4.262	83	671208	107.88	ug/L	100
27) 1,2-Dichloroethane	5.031	62	513697	113.18	ug/L	99
29) Cyclohexane	4.571	56	620212	129.66	ug/L	94
30) 1,1,1-Trichloroethane	4.500	97	554905	98.63	ug/L	96
31) Carbon tetrachloride	4.722	117	479753	97.03	ug/L	99
33) Benzene	4.998	78	1461590	108.76	ug/L	100
34) Trichloroethene	5.821	95	364310	101.47	ug/L	96
35) Methylcyclohexane	6.040	83	606826	117.70	ug/L	96
37) 1,2-Dichloropropane	6.082	63	410575	117.50	ug/L	98
38) Bromodichloromethane	6.423	83	503519	103.83	ug/L	99
39) cis-1,3-Dichloropropene	6.944	75	643895	118.75	ug/L	100
40) 4-Methyl-2-pentanone	7.146	43	777340	198.77	ug/L	95
42) Toluene	7.304	91	1582026	113.31	ug/L	98
44) trans-1,3-Dichloropropene	7.571	75	593923	113.38	ug/L	99

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45) 1,1,2-Trichloroethane	7.757	97	361604	99.74	ug/L	98
46) Tetrachloroethene	7.895	164	261361	94.29	ug/L	97
48) 2-Hexanone	8.063	43	584179	179.03	ug/L	91
49) Dibromochloromethane	8.165	129	371380	99.31	ug/L	99
50) 1,2-Dibromoethane	8.272	107	366404	95.90	ug/L	100
51) Chlorobenzene	8.802	112	1002976	104.55	ug/L	98
52) Ethylbenzene	8.937	91	1776237	118.62	ug/L	100
53) m,p-Xylene	9.063	106	668829	117.83	ug/L	100
54) o-Xylene	9.468	106	646812	118.45	ug/L	100
55) Styrene	9.487	104	1170905	122.14	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.169	83	540318	95.94	ug/L	99
59) Bromoform	9.654	173	234097	84.66	ug/L	99
60) Isopropylbenzene	9.857	105	1764849	112.20	ug/L	99
61) 1,2,3-Trichloropropane	10.198	75	396664	88.58	ug/L	98
62) 1,3,5-Trimethylbenzene	10.468	105	1443115	114.34	ug/L	100
63) 1,2,4-Trimethylbenzene	10.841	105	1466541	118.20	ug/L	99
64) 1,3-Dichlorobenzene	11.107	146	801020	99.21	ug/L	98
65) 1,4-Dichlorobenzene	11.197	146	835486	97.34	ug/L	99
67) 1,2-Dichlorobenzene	11.567	146	794927	96.57	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.352	75	95194	80.66	ug/L	89
69) 1,3,5-Trichlorobenzene	12.570	180	528648	95.99	ug/L	99
70) 1,2,4-trichlorobenzene	13.188	180	467836	100.84	ug/L	98
71) Naphthalene	13.429	128	1288582	102.44	ug/L	100
72) 1,2,3-Trichlorobenzene	13.670	180	456894	100.38	ug/L	100

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

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