

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031725\
 Data File : VU063291.D
 Acq On : 17 Mar 2025 12:25
 Operator : MD/SY
 Sample : VSTD10030
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100030

Quant Time: Mar 21 08:37:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 21 08:30:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	292013	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	282351	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	147204	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	236555	106.66	ug/L	0.00
7) Chloroethane-d5	1.891	69	194182	154.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	63	405805	104.63	ug/L	0.00
21) 2-Butanone-d5	4.605	46	362901	251.42	ug/L	0.00
24) Chloroform-d	5.046	84	441066	109.16	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.686	65	274998	117.58	ug/L	0.00
32) Benzene-d6	5.711	84	893214	107.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.676	67	285984	106.22	ug/L	0.00
41) Toluene-d8	7.885	98	823423	107.75	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.168	79	134077	106.80	ug/L	0.00
47) 2-Hexanone-d5	8.621	63	252479	220.40	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.743	84	437073	108.87	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.184	152	294369	104.37	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	214554	94.39	ug/L	99
3) Chloromethane	1.518	50	235506	98.15	ug/L	100
5) Vinyl chloride	1.599	62	245137	89.97	ug/L	99
6) Bromomethane	1.827	94	138187	148.02	ug/L	99
8) Chloroethane	1.914	64	146901	133.57	ug/L	99
9) Trichlorofluoromethane	2.123	101	282872	94.84	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	173931	84.57	ug/L	99
12) 1,1-Dichloroethene	2.563	96	170398	84.26	ug/L	90
13) Acetone	2.612	43	208688	221.74	ug/L	99
14) Carbon disulfide	2.779	76	532478	85.25	ug/L	99
15) Methyl Acetate	2.933	43	228947	103.32	ug/L #	100
16) Methylene chloride	3.030	84	202636	86.53	ug/L	98
17) trans-1,2-Dichloroethene	3.338	96	180487	87.24	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	585195	91.34	ug/L	100
19) 1,1-Dichloroethane	3.850	63	361320	93.59	ug/L	99
20) cis-1,2-Dichloroethene	4.650	96	207822	88.60	ug/L	98
22) 2-Butanone	4.686	43	333820	225.02	ug/L	96
23) Bromochloromethane	4.959	128	105219	88.14	ug/L	99
25) Chloroform	5.071	83	361249	92.15	ug/L	100
27) 1,2-Dichloroethane	5.779	62	293944	100.98	ug/L	99
29) Cyclohexane	5.374	56	314250	88.70	ug/L	100
30) 1,1,1-Trichloroethane	5.300	97	296800	87.82	ug/L	100
31) Carbon tetrachloride	5.509	117	253486	87.46	ug/L	99
33) Benzene	5.759	78	820874	91.80	ug/L	100
34) Trichloroethene	6.528	95	205594	85.28	ug/L	98
35) Methylcyclohexane	6.753	83	309915	84.95	ug/L	99
37) 1,2-Dichloropropane	6.776	63	225702	91.06	ug/L	100
38) Bromodichloromethane	7.094	83	274498	92.80	ug/L	99
39) cis-1,3-Dichloropropene	7.595	75	349004	94.52	ug/L	98
40) 4-Methyl-2-pentanone	7.779	43	630996	207.82	ug/L	100
42) Toluene	7.959	91	881653	91.72	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	325877	95.20	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.386	97	213237	89.32	ug/L	98
46) Tetrachloroethene	8.541	164	149303	87.15	ug/L	99
48) 2-Hexanone	8.673	43	505423	216.25	ug/L	99
49) Dibromochloromethane	8.798	129	210990	87.84	ug/L	97
50) 1,2-Dibromoethane	8.910	107	226474	88.67	ug/L	99
51) Chlorobenzene	9.435	112	526966	88.11	ug/L	98
52) Ethylbenzene	9.560	91	941571	90.98	ug/L	99
53) m,p-Xylene	9.682	106	353805	91.82	ug/L	98
54) o-Xylene	10.090	106	339030	87.65	ug/L	99
55) Styrene	10.103	104	596734	90.58	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.769	83	380984	91.12	ug/L	98
59) Bromoform	10.280	173	172550	87.80	ug/L	100
60) 1,2,3-Trichloropropane	10.811	75	292023	92.39	ug/L	99
61) Isopropylbenzene	10.473	105	897861	89.49	ug/L	100
62) 1,3,5-Trimethylbenzene	11.078	105	739405	90.50	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	729491	90.30	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	414127	86.38	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	414061	83.25	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	415236	87.64	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	81928	95.83	ug/L	96
69) 1,3,5-Trichlorobenzene	13.209	180	278743	86.16	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	227679	82.27	ug/L	99
71) Naphthalene	14.077	128	714487	85.32	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	231778	86.49	ug/L	99

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

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