

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031725\
 Data File : VU063292.D
 Acq On : 17 Mar 2025 12:49
 Operator : MD/SY
 Sample : VSTD20031
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200031

Quant Time: Mar 21 08:37:43 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	293536	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	292557	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	158646	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	475234	213.17	ug/L	0.00
7) Chloroethane-d5	1.888	69	379722	299.60	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	63	853654	218.97	ug/L	0.00
21) 2-Butanone-d5	4.602	46	754736	520.18	ug/L	0.00
24) Chloroform-d	5.045	84	893357	219.94	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.685	65	553566	235.46	ug/L	0.00
32) Benzene-d6	5.711	84	1801478	209.21	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.676	67	584477	209.51	ug/L	0.00
41) Toluene-d8	7.888	98	1672575	211.23	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.168	79	282777	217.38	ug/L	0.00
47) 2-Hexanone-d5	8.621	63	569095	479.45	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.743	84	920858	221.37	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.183	152	626864	206.23	ug/L	0.00
Target Compounds						
2) Dichlorodifluoromethane	1.377	85	487382	213.29	ug/L	Qvalue 100
3) Chloromethane	1.518	50	537893	223.02	ug/L	100
5) Vinyl chloride	1.599	62	565913	206.63	ug/L	99
6) Bromomethane	1.827	94	330062	351.72	ug/L	99
8) Chloroethane	1.911	64	329743	298.27	ug/L	98
9) Trichlorofluoromethane	2.123	101	653110	217.84	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	400820	193.87	ug/L	99
12) 1,1-Dichloroethene	2.563	96	396052	194.83	ug/L	98
13) Acetone	2.611	43	489587	517.51	ug/L	100
14) Carbon disulfide	2.775	76	1237547	197.11	ug/L	99
15) Methyl Acetate	2.933	43	552828	248.20	ug/L #	100
16) Methylene chloride	3.029	84	470805	200.01	ug/L	98
17) trans-1,2-Dichloroethene	3.335	96	421662	202.76	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	1418276	220.22	ug/L	99
19) 1,1-Dichloroethane	3.849	63	841130	216.74	ug/L	99
20) cis-1,2-Dichloroethene	4.650	96	495433	210.12	ug/L	100
22) 2-Butanone	4.682	43	801483	537.45	ug/L	97
23) Bromochloromethane	4.955	128	246514	205.42	ug/L	98
25) Chloroform	5.071	83	848548	215.34	ug/L	99
27) 1,2-Dichloroethane	5.779	62	679334	232.17	ug/L	99
29) Cyclohexane	5.373	56	753461	205.25	ug/L	99
30) 1,1,1-Trichloroethane	5.299	97	693084	197.93	ug/L	99
31) Carbon tetrachloride	5.508	117	584903	194.76	ug/L	99
33) Benzene	5.759	78	1903545	205.44	ug/L	100
34) Trichloroethene	6.528	95	482108	193.00	ug/L	97
35) Methylcyclohexane	6.750	83	763059	201.86	ug/L	98
37) 1,2-Dichloropropane	6.775	63	525706	204.69	ug/L	100
38) Bromodichloromethane	7.094	83	652169	212.79	ug/L	99
39) cis-1,3-Dichloropropene	7.595	75	850997	222.42	ug/L	100
40) 4-Methyl-2-pentanone	7.775	43	1565521	497.61	ug/L	99
42) Toluene	7.959	91	2065404	207.37	ug/L	100
44) trans-1,3-Dichloropropene	8.196	75	788256	222.23	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.386	97	501863	202.89	ug/L	99
46) Tetrachloroethene	8.544	164	347805	195.94	ug/L	99
48) 2-Hexanone	8.672	43	1246916	514.88	ug/L	100
49) Dibromochloromethane	8.798	129	508346	204.24	ug/L	100
50) 1,2-Dibromoethane	8.910	107	549087	207.47	ug/L	99
51) Chlorobenzene	9.434	112	1260487	203.40	ug/L	99
52) Ethylbenzene	9.560	91	2286949	213.26	ug/L	99
53) m,p-Xylene	9.682	106	856183	214.45	ug/L	98
54) o-Xylene	10.090	106	843144	210.38	ug/L	98
55) Styrene	10.103	104	1469717	215.31	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.769	83	920161	212.40	ug/L	98
59) Bromoform	10.280	173	428209	202.18	ug/L	99
60) 1,2,3-Trichloropropane	10.810	75	705565	207.12	ug/L	99
61) Isopropylbenzene	10.473	105	2250231	208.11	ug/L	100
62) 1,3,5-Trimethylbenzene	11.077	105	1895760	215.29	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	1888562	216.91	ug/L	99
64) 1,3-Dichlorobenzene	11.733	146	1019487	197.31	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	1033126	192.75	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	1019683	199.70	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.984	75	213434	231.63	ug/L	96
69) 1,3,5-Trichlorobenzene	13.209	180	715951	205.34	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	617428	207.01	ug/L	99
71) Naphthalene	14.074	128	1948654	215.90	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	611587	211.76	ug/L	99

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

