

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031725\
 Data File : VU063290.D
 Acq On : 17 Mar 2025 12:00
 Operator : MD/SY
 Sample : VSTD05029
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050029

Quant Time: Mar 21 08:36:35 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	6.238	114	286127	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	281885	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	141666	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	115837	53.31	ug/L	0.00
7) Chloroethane-d5	1.894	69	93786	75.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	203020	53.42	ug/L	0.00
21) 2-Butanone-d5	4.608	46	162178	114.67	ug/L	0.00
24) Chloroform-d	5.049	84	216556	54.70	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.689	65	133174	58.11	ug/L	0.00
32) Benzene-d6	5.714	84	435648	52.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	138381	51.48	ug/L	0.00
41) Toluene-d8	7.888	98	395877	51.89	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	63181	50.41	ug/L	0.00
47) 2-Hexanone-d5	8.624	63	101359	88.63	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	200994	50.15	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.183	152	135646	49.97	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	122000	54.77	ug/L	100
3) Chloromethane	1.518	50	133587	56.82	ug/L	100
5) Vinyl chloride	1.599	62	136723	51.21	ug/L	100
6) Bromomethane	1.833	94	74788	81.76	ug/L	100
8) Chloroethane	1.917	64	82868	76.90	ug/L	100
9) Trichlorofluoromethane	2.126	101	160138	54.80	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	98322	48.79	ug/L	100
12) 1,1-Dichloroethene	2.566	96	94979	47.93	ug/L	100
13) Acetone	2.615	43	109431	118.67	ug/L	100
14) Carbon disulfide	2.782	76	297199	48.56	ug/L	100
15) Methyl Acetate	2.936	43	124630	57.40	ug/L #	100
16) Methylene chloride	3.029	84	113074	49.28	ug/L	100
17) trans-1,2-Dichloroethene	3.341	96	98914	48.80	ug/L	100
18) Methyl tert-butyl Ether	3.351	73	311429	49.61	ug/L	100
19) 1,1-Dichloroethane	3.853	63	198969	52.60	ug/L	100
20) cis-1,2-Dichloroethene	4.653	96	112862	49.10	ug/L	100
22) 2-Butanone	4.689	43	161729	111.26	ug/L	100
23) Bromochloromethane	4.959	128	58229	49.78	ug/L	100
25) Chloroform	5.074	83	203004	52.85	ug/L	100
27) 1,2-Dichloroethane	5.782	62	161193	56.52	ug/L	100
29) Cyclohexane	5.377	56	170331	48.16	ug/L	100
30) 1,1,1-Trichloroethane	5.303	97	163056	48.33	ug/L	100
31) Carbon tetrachloride	5.512	117	140717	48.63	ug/L	100
33) Benzene	5.762	78	447445	50.12	ug/L	100
34) Trichloroethene	6.531	95	113725	47.25	ug/L	100
35) Methylcyclohexane	6.753	83	171396	47.06	ug/L	100
37) 1,2-Dichloropropane	6.779	63	126503	51.12	ug/L	100
38) Bromodichloromethane	7.094	83	153117	51.85	ug/L	100
39) cis-1,3-Dichloropropene	7.598	75	182942	49.63	ug/L	100
40) 4-Methyl-2-pentanone	7.778	43	316090	104.27	ug/L	100
42) Toluene	7.959	91	482049	50.23	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	171032	50.04	ug/L	100

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45) 1,1,2-Trichloroethane	8.389	97	116050	48.69	ug/L	100
46) Tetrachloroethene	8.544	164	84245	49.26	ug/L	100
48) 2-Hexanone	8.672	43	245946	105.40	ug/L	100
49) Dibromochloromethane	8.801	129	114282	47.65	ug/L	100
50) 1,2-Dibromoethane	8.913	107	121959	47.83	ug/L	100
51) Chlorobenzene	9.438	112	289068	48.41	ug/L	100
52) Ethylbenzene	9.563	91	501337	48.52	ug/L	100
53) m,p-Xylene	9.685	106	187703	48.80	ug/L	100
54) o-Xylene	10.090	106	182390	47.23	ug/L	100
55) Styrene	10.106	104	312531	47.52	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.772	83	199339	47.75	ug/L	100
59) Bromoform	10.280	173	90112	47.65	ug/L	100
60) 1,2,3-Trichloropropane	10.810	75	153148	50.34	ug/L	100
61) Isopropylbenzene	10.476	105	486343	50.37	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	388104	49.36	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	374676	48.19	ug/L	100
64) 1,3-Dichlorobenzene	11.736	146	220197	47.73	ug/L	100
65) 1,4-Dichlorobenzene	11.827	146	222372	46.46	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	217295	47.66	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	41282	50.17	ug/L	100
69) 1,3,5-Trichlorobenzene	13.212	180	150446	48.32	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	117883	44.26	ug/L	100
71) Naphthalene	14.080	128	301117	37.36	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	114927	44.56	ug/L	100

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

