

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111025\
 Data File : VU063696.D
 Acq On : 10 Nov 2025 15:38
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU111025

Quant Time: Nov 11 01:47:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 01:41:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.341	168	211087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.222	114	351509	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	334466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	193105	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.669	65	146457	46.968	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.940%
35) Dibromofluoromethane	5.258	113	116574	47.350	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.700%
50) Toluene-d8	7.872	98	403845	45.660	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.320%#
62) 4-Bromofluorobenzene	10.608	95	178381	48.755	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.500%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.374	85	56172	44.064	ug/l	98
3) Chloromethane	1.509	50	61112	49.040	ug/l	100
4) Vinyl Chloride	1.589	62	69894	44.577	ug/l	99
5) Bromomethane	1.830	94	51941	54.629	ug/l	97
6) Chloroethane	1.911	64	52570	44.334	ug/l	99
7) Trichlorofluoromethane	2.116	101	133876	44.624	ug/l	98
8) Diethyl Ether	2.354	74	56964	44.661	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.554	101	87546	45.927	ug/l	98
10) Methyl Iodide	2.695	142	88264	42.305	ug/l	99
11) Tert butyl alcohol	3.155	59	152044	208.986	ug/l	100
12) 1,1-Dichloroethene	2.554	96	73703	44.904	ug/l	97
13) Acrolein	2.464	56	10335	218.856	ug/l	86
14) Allyl chloride	2.894	41	139704	45.638	ug/l	99
15) Acrylonitrile	3.280	53	359634	241.370	ug/l	99
16) Acetone	2.602	43	403708	235.385	ug/l	100
17) Carbon Disulfide	2.766	76	100974	48.279	ug/l	98
18) Methyl Acetate	2.923	43	257227	47.075	ug/l	100
19) Methyl tert-butyl Ether	3.335	73	349836	47.237	ug/l	100
20) Methylene Chloride	3.017	84	98713	49.073	ug/l	98
21) trans-1,2-Dichloroethene	3.322	96	77310	45.878	ug/l	97
22) Diisopropyl ether	3.959	45	312133	46.296	ug/l	96
23) Vinyl Acetate	3.920	43	1075997	234.015	ug/l	99
24) 1,1-Dichloroethane	3.833	63	180194	46.340	ug/l	99
25) 2-Butanone	4.669	43	501090	233.389	ug/l	100
26) 2,2-Dichloropropane	4.627	77	154569	46.283	ug/l	99
27) cis-1,2-Dichloroethene	4.634	96	115435	46.888	ug/l	99
28) Bromochloromethane	4.939	49	83396	53.593	ug/l	99
29) Tetrahydrofuran	5.020	42	291622	233.427	ug/l	99
30) Chloroform	5.055	83	203070	47.668	ug/l	100
31) Cyclohexane	5.354	56	118788	47.817	ug/l	98
32) 1,1,1-Trichloroethane	5.283	97	165076	47.222	ug/l	98
36) 1,1-Dichloropropene	5.496	75	111057	44.320	ug/l	100
37) Ethyl Acetate	4.775	43	155462	43.815	ug/l	99
38) Carbon Tetrachloride	5.492	117	122921	45.387	ug/l	99
39) Methylcyclohexane	6.733	83	129917	45.666	ug/l	96
40) Benzene	5.743	78	366169	45.283	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.939	41	87629	47.520	ug/l	99
42) 1,2-Dichloroethane	5.762	62	151542	47.517	ug/l	100
43) Isopropyl Acetate	5.881	43	245313	47.170	ug/l	100
44) Trichloroethene	6.515	130	96601	42.581	ug/l	99
45) 1,2-Dichloropropane	6.759	63	103535	47.101	ug/l	99
46) Dibromomethane	6.891	93	78328	47.456	ug/l	97
47) Bromodichloromethane	7.078	83	159710	47.728	ug/l	98
48) Methyl methacrylate	6.933	41	121828	47.724	ug/l	100
49) 1,4-Dioxane	6.936	88	57145	844.946	ug/l	98
51) 4-Methyl-2-Pentanone	7.762	43	931884	234.159	ug/l	99
52) Toluene	7.942	92	245784	46.836	ug/l	100
53) t-1,3-Dichloropropene	8.184	75	130622	46.355	ug/l	96
54) cis-1,3-Dichloropropene	7.582	75	149165	47.229	ug/l	99
55) 1,1,2-Trichloroethane	8.373	97	114226	47.432	ug/l	99
56) Ethyl methacrylate	8.309	69	175789	49.472	ug/l	99
57) 1,3-Dichloropropane	8.547	76	183895	46.807	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.447	63	7186	168.182	ug/l #	86
59) 2-Hexanone	8.656	43	703565	237.359	ug/l	99
60) Dibromochloromethane	8.782	129	121896	48.327	ug/l	99
61) 1,2-Dibromoethane	8.897	107	110380	47.567	ug/l	98
64) Tetrachloroethene	8.528	164	97967	45.400	ug/l	98
65) Chlorobenzene	9.421	112	296391	45.352	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.508	131	102331	46.036	ug/l	99
67) Ethyl Benzene	9.547	91	502985	46.207	ug/l	98
68) m/p-Xylenes	9.669	106	377099	93.852	ug/l	100
69) o-Xylene	10.077	106	190786	46.016	ug/l	99
70) Styrene	10.090	104	320770	48.165	ug/l	99
71) Bromoform	10.264	173	85388	47.704	ug/l #	100
73) Isopropylbenzene	10.460	105	513493	42.325	ug/l	99
74) N-amyl acetate	10.299	43	189624	44.861	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.756	83	194432	41.733	ug/l	98
76) 1,2,3-Trichloropropane	10.798	75	199583	41.014	ug/l #	100
77) Bromobenzene	10.759	156	127935	41.913	ug/l	99
78) n-propylbenzene	10.881	91	595731	42.805	ug/l	99
79) 2-Chlorotoluene	10.962	91	377769	41.994	ug/l	98
80) 1,3,5-Trimethylbenzene	11.065	105	441320	43.383	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.521	75	38606	42.264	ug/l	95
82) 4-Chlorotoluene	11.071	91	432128	42.273	ug/l	100
83) tert-Butylbenzene	11.396	119	453816	42.828	ug/l	100
84) 1,2,4-Trimethylbenzene	11.444	105	438443	43.919	ug/l	99
85) sec-Butylbenzene	11.618	105	574806	42.943	ug/l	100
86) p-Isopropyltoluene	11.769	119	471877	43.915	ug/l	99
87) 1,3-Dichlorobenzene	11.720	146	249263	43.465	ug/l	99
88) 1,4-Dichlorobenzene	11.810	146	251301	41.885	ug/l	100
89) n-Butylbenzene	12.183	91	426211	43.190	ug/l	99
90) Hexachloroethane	12.450	117	70739	43.153	ug/l	98
91) 1,2-Dichlorobenzene	12.187	146	246140	42.988	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.968	75	42898	44.937	ug/l	97
93) 1,2,4-Trichlorobenzene	13.814	180	159644	43.734	ug/l	100
94) Hexachlorobutadiene	13.994	225	79089	43.000	ug/l	98
95) Naphthalene	14.058	128	489735	49.525	ug/l	100
96) 1,2,3-Trichlorobenzene	14.302	180	150299	44.287	ug/l	98

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

