

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092625\
 Data File : VU063653.D
 Acq On : 25 Sep 2025 20:23
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU092625

Quant Time: Sep 26 07:06:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:03:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.357	168	146487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.235	114	249097	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	237307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	125129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.685	65	74499	48.791	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.580%
35) Dibromofluoromethane	5.274	113	64420	47.755	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.500%
50) Toluene-d8	7.888	98	197125	45.153	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.300%#
62) 4-Bromofluorobenzene	10.624	95	94980	48.514	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	70122	51.420	ug/l	98
3) Chloromethane	1.515	50	85347	47.728	ug/l	100
4) Vinyl Chloride	1.595	62	99766	48.987	ug/l	98
5) Bromomethane	1.824	94	70128	47.078	ug/l	99
6) Chloroethane	1.911	64	65959	47.696	ug/l	99
7) Trichlorofluoromethane	2.119	101	144582	48.292	ug/l	98
8) Diethyl Ether	2.367	74	56877	48.470	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.563	101	74556	45.681	ug/l	98
10) Methyl Iodide	2.705	142	102586	50.704	ug/l	99
11) Tert butyl alcohol	3.177	59	117147	260.396	ug/l	98
12) 1,1-Dichloroethene	2.560	96	75893	47.035	ug/l	95
13) Acrolein	2.473	56	19518	264.401	ug/l	90
14) Allyl chloride	2.907	41	122146	51.079	ug/l	98
15) Acrylonitrile	3.296	53	292151	254.421	ug/l	100
16) Acetone	2.615	43	261882	256.126	ug/l	97
17) Carbon Disulfide	2.775	76	178163	54.016	ug/l	98
18) Methyl Acetate	2.936	43	134566	50.291	ug/l	100
19) Methyl tert-butyl Ether	3.351	73	249205	50.050	ug/l	99
20) Methylene Chloride	3.026	84	91795	52.630	ug/l	97
21) trans-1,2-Dichloroethene	3.335	96	81642	51.471	ug/l	96
22) Diisopropyl ether	3.978	45	247660	50.329	ug/l	98
23) Vinyl Acetate	3.939	43	1000361	278.612	ug/l	100
24) 1,1-Dichloroethane	3.853	63	154239	49.933	ug/l	100
25) 2-Butanone	4.685	43	385072	266.712	ug/l	98
26) 2,2-Dichloropropane	4.647	77	93058	47.116	ug/l	99
27) cis-1,2-Dichloroethene	4.650	96	99441	50.328	ug/l	95
28) Bromochloromethane	4.955	49	76525	57.213	ug/l	98
29) Tetrahydrofuran	5.036	42	253256	255.434	ug/l	99
30) Chloroform	5.071	83	163707	49.606	ug/l	98
31) Cyclohexane	5.370	56	134902	48.169	ug/l	98
32) 1,1,1-Trichloroethane	5.299	97	131492	50.865	ug/l	99
36) 1,1-Dichloropropene	5.512	75	108569	51.314	ug/l	97
37) Ethyl Acetate	4.791	43	129263	45.747	ug/l #	93
38) Carbon Tetrachloride	5.508	117	101706	50.946	ug/l	99
39) Methylcyclohexane	6.750	83	134668	50.621	ug/l	98
40) Benzene	5.759	78	350590	51.052	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.959	41	68448	54.780	ug/l	96
42) 1,2-Dichloroethane	5.779	62	126118	50.256	ug/l	100
43) Isopropyl Acetate	5.901	43	187098	52.151	ug/l	98
44) Trichloroethene	6.531	130	91000	51.069	ug/l	97
45) 1,2-Dichloropropane	6.778	63	89101	51.628	ug/l	100
46) Dibromomethane	6.904	93	69607	51.979	ug/l	99
47) Bromodichloromethane	7.090	83	116360	53.024	ug/l	99
48) Methyl methacrylate	6.949	41	97026	50.573	ug/l	98
49) 1,4-Dioxane	6.952	88	58483	1157.334	ug/l	98
51) 4-Methyl-2-Pentanone	7.778	43	752122	265.403	ug/l	99
52) Toluene	7.958	92	214618	51.453	ug/l	95
53) t-1,3-Dichloropropene	8.200	75	91093	52.053	ug/l	97
54) cis-1,3-Dichloropropene	7.595	75	111871	53.891	ug/l	99
55) 1,1,2-Trichloroethane	8.386	97	87231	50.815	ug/l	98
56) Ethyl methacrylate	8.322	69	131274	51.226	ug/l	100
57) 1,3-Dichloropropane	8.563	76	149278	51.503	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.457	63	16231	243.301	ug/l	97
59) 2-Hexanone	8.672	43	561749	270.292	ug/l	98
60) Dibromochloromethane	8.798	129	85240	54.499	ug/l	98
61) 1,2-Dibromoethane	8.913	107	92950	53.844	ug/l	98
64) Tetrachloroethene	8.540	164	91166	52.055	ug/l	98
65) Chlorobenzene	9.438	112	249792	51.235	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.524	131	75057	53.360	ug/l	98
67) Ethyl Benzene	9.560	91	421741	51.525	ug/l	100
68) m/p-Xylenes	9.685	106	329290	107.777	ug/l	100
69) o-Xylene	10.090	106	158996	53.747	ug/l	99
70) Styrene	10.103	104	260847	54.365	ug/l	99
71) Bromoform	10.280	173	57305	46.502	ug/l #	99
73) Isopropylbenzene	10.473	105	414335	52.135	ug/l	100
74) N-amyl acetate	10.312	43	154477	55.927	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.772	83	152571	51.978	ug/l	100
76) 1,2,3-Trichloropropane	10.810	75	151508	50.024	ug/l #	100
77) Bromobenzene	10.772	156	103569	51.152	ug/l	99
78) n-propylbenzene	10.894	91	490812	52.280	ug/l	99
79) 2-Chlorotoluene	10.974	91	302973	50.701	ug/l	100
80) 1,3,5-Trimethylbenzene	11.077	105	357808	53.310	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.537	75	24975	52.230	ug/l	98
82) 4-Chlorotoluene	11.087	91	351361	53.532	ug/l	99
83) tert-Butylbenzene	11.409	119	340957	52.813	ug/l	99
84) 1,2,4-Trimethylbenzene	11.457	105	356270	53.913	ug/l	100
85) sec-Butylbenzene	11.634	105	444288	52.715	ug/l	100
86) p-Isopropyltoluene	11.785	119	371813	53.672	ug/l	100
87) 1,3-Dichlorobenzene	11.736	146	198718	52.705	ug/l	100
88) 1,4-Dichlorobenzene	11.826	146	202754	51.250	ug/l	99
89) n-Butylbenzene	12.199	91	332953	53.927	ug/l	99
90) Hexachloroethane	12.466	117	47220	49.200	ug/l	98
91) 1,2-Dichlorobenzene	12.203	146	196437	53.317	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.987	75	30284	55.648	ug/l	97
93) 1,2,4-Trichlorobenzene	13.833	180	118040	56.534	ug/l	100
94) Hexachlorobutadiene	14.013	225	51771	48.715	ug/l	97
95) Naphthalene	14.080	128	353918	54.343	ug/l	100
96) 1,2,3-Trichlorobenzene	14.322	180	114467	55.235	ug/l	98

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

