

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092625\
 Data File : VU063651.D
 Acq On : 25 Sep 2025 19:09
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 26 06:42:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 06:28:53 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.357	168	156835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.235	114	260835	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	254880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	141792	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.685	65	228851	150.139	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 300.280%#	
35) Dibromofluoromethane	5.271	113	202463	143.332	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 286.660%#	
50) Toluene-d8	7.885	98	635604	139.038	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 278.080%#	
62) 4-Bromofluorobenzene	10.624	95	309581	151.014	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 302.020%#	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.377	85	219125	150.081	ug/l	98
3) Chloromethane	1.512	50	266853	139.385	ug/l	98
4) Vinyl Chloride	1.595	62	307240	140.905	ug/l	99
5) Bromomethane	1.817	94	226898	142.271	ug/l	98
6) Chloroethane	1.898	64	204970	138.437	ug/l	98
7) Trichlorofluoromethane	2.110	101	440318	137.366	ug/l	100
8) Diethyl Ether	2.364	74	173375	138.000	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.557	101	233714	133.751	ug/l	98
10) Methyl Iodide	2.698	142	355260	164.004	ug/l	100
11) Tert butyl alcohol	3.184	59	344189	748.385	ug/l	100
12) 1,1-Dichloroethene	2.557	96	231876	134.223	ug/l	97
13) Acrolein	2.473	56	53820	680.970	ug/l	91
14) Allyl chloride	2.901	41	385747	150.668	ug/l	98
15) Acrylonitrile	3.296	53	931752	762.318	ug/l	100
16) Acetone	2.615	43	777445	747.658	ug/l	99
17) Carbon Disulfide	2.769	76	598939	169.606	ug/l	100
18) Methyl Acetate	2.933	43	439612	153.455	ug/l	99
19) Methyl tert-butyl Ether	3.351	73	795614	149.248	ug/l	100
20) Methylene Chloride	3.023	84	275217	150.742	ug/l	98
21) trans-1,2-Dichloroethene	3.332	96	252564	148.723	ug/l	97
22) Diisopropyl ether	3.978	45	789361	149.828	ug/l	87
23) Vinyl Acetate	3.936	43	3453766	898.445	ug/l	99
24) 1,1-Dichloroethane	3.846	63	475860	143.890	ug/l	99
25) 2-Butanone	4.685	43	1250803	809.182	ug/l	100
26) 2,2-Dichloropropane	4.644	77	327214	154.741	ug/l	100
27) cis-1,2-Dichloroethene	4.644	96	306729	144.994	ug/l	98
28) Bromochloromethane	4.952	49	233384	162.975	ug/l	99
29) Tetrahydrofuran	5.033	42	797202	751.007	ug/l	99
30) Chloroform	5.068	83	505337	143.022	ug/l	98
31) Cyclohexane	5.367	56	425844	142.022	ug/l	97
32) 1,1,1-Trichloroethane	5.296	97	419058	151.408	ug/l	98
36) 1,1-Dichloropropene	5.509	75	350484	158.196	ug/l	99
37) Ethyl Acetate	4.788	43	447252	147.694	ug/l	96
38) Carbon Tetrachloride	5.505	117	343995	164.558	ug/l	99
39) Methylcyclohexane	6.746	83	446293	160.210	ug/l	99
40) Benzene	5.756	78	1088211	151.332	ug/l	99

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41) Methacrylonitrile	4.955	41	226273	172.941	ug/l	98
42) 1,2-Dichloroethane	5.775	62	384681	146.391	ug/l	98
43) Isopropyl Acetate	5.898	43	624806	166.319	ug/l	99
44) Trichloroethene	6.528	130	287864	154.278	ug/l	96
45) 1,2-Dichloropropane	6.775	63	277106	153.338	ug/l	100
46) Dibromomethane	6.904	93	213274	152.096	ug/l	97
47) Bromodichloromethane	7.090	83	382706	166.548	ug/l	99
48) Methyl methacrylate	6.949	41	317088	157.838	ug/l	98
49) 1,4-Dioxane	6.949	88	165511	3127.942	ug/l	97
51) 4-Methyl-2-Pentanone	7.779	43	2399752	808.698	ug/l	100
52) Toluene	7.955	92	696104	159.375	ug/l	99
53) t-1,3-Dichloropropene	8.197	75	354768	193.603	ug/l	99
54) cis-1,3-Dichloropropene	7.592	75	407717	187.569	ug/l	100
55) 1,1,2-Trichloroethane	8.386	97	275213	153.105	ug/l	98
56) Ethyl methacrylate	8.322	69	457881	149.983	ug/l	99
57) 1,3-Dichloropropane	8.563	76	468092	154.231	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.451	63	80138	750.507	ug/l	96
59) 2-Hexanone	8.672	43	1838676	844.888	ug/l	100
60) Dibromochloromethane	8.798	129	304053	185.649	ug/l	99
61) 1,2-Dibromoethane	8.910	107	297408	164.530	ug/l	100
64) Tetrachloroethene	8.541	164	279698	148.694	ug/l	98
65) Chlorobenzene	9.434	112	801901	153.138	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.521	131	259168	171.546	ug/l	98
67) Ethyl Benzene	9.560	91	1380804	157.064	ug/l	99
68) m/p-Xylenes	9.682	106	1078786	328.742	ug/l	98
69) o-Xylene	10.090	106	528527	166.344	ug/l	96
70) Styrene	10.103	104	878088	170.390	ug/l	99
71) Bromoform	10.280	173	220228	154.794	ug/l #	99
73) Isopropylbenzene	10.473	105	1351498	150.071	ug/l	100
74) N-amyl acetate	10.312	43	566217	180.904	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.772	83	493003	148.219	ug/l	99
76) 1,2,3-Trichloropropane	10.811	75	506735	147.649	ug/l #	100
77) Bromobenzene	10.772	156	347148	151.306	ug/l	98
78) n-propylbenzene	10.894	91	1632301	153.435	ug/l	99
79) 2-Chlorotoluene	10.975	91	984047	145.323	ug/l	99
80) 1,3,5-Trimethylbenzene	11.077	105	1191041	156.601	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.534	75	99298	183.257	ug/l	91
82) 4-Chlorotoluene	11.087	91	1151073	154.764	ug/l	98
83) tert-Butylbenzene	11.409	119	1159584	158.507	ug/l	97
84) 1,2,4-Trimethylbenzene	11.457	105	1189083	158.792	ug/l	100
85) sec-Butylbenzene	11.634	105	1493390	156.367	ug/l	100
86) p-Isopropyltoluene	11.785	119	1279893	163.044	ug/l	99
87) 1,3-Dichlorobenzene	11.737	146	661732	154.883	ug/l	99
88) 1,4-Dichlorobenzene	11.827	146	662472	147.775	ug/l	99
89) n-Butylbenzene	12.200	91	1171232	167.407	ug/l	99
90) Hexachloroethane	12.466	117	177822	155.827	ug/l	94
91) 1,2-Dichlorobenzene	12.203	146	641417	153.634	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.984	75	111014	180.019	ug/l	92
93) 1,2,4-Trichlorobenzene	13.830	180	437877	183.122	ug/l	98
94) Hexachlorobutadiene	14.010	225	193036	160.294	ug/l	99
95) Naphthalene	14.077	128	1346999	150.265	ug/l	99
96) 1,2,3-Trichlorobenzene	14.318	180	422836	176.351	ug/l	99

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

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