

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070825\
 Data File : VU063465.D
 Acq On : 08 Jul 2025 14:50
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 09 03:26:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 09 03:15:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.357	168	142998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.235	114	243360	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	229491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	125213	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.688	65	249967	137.007	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 274.020%#	
35) Dibromofluoromethane	5.274	113	212136	144.612	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 289.220%#	
50) Toluene-d8	7.888	98	700652	146.527	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 293.060%#	
62) 4-Bromofluorobenzene	10.624	95	311181	148.779	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 297.560%#	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.380	85	162100	142.532	ug/l	99
3) Chloromethane	1.515	50	184579	156.446	ug/l	99
4) Vinyl Chloride	1.599	62	216594	141.013	ug/l	97
5) Bromomethane	1.820	94	140650	130.698	ug/l	100
6) Chloroethane	1.907	64	140435	152.259	ug/l	99
7) Trichlorofluoromethane	2.116	101	350359	141.392	ug/l	98
8) Diethyl Ether	2.367	74	144723	140.143	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.563	101	206791	141.095	ug/l	99
10) Methyl Iodide	2.705	142	235966	154.137	ug/l	98
11) Tert butyl alcohol	3.200	59	510359	834.297	ug/l	98
12) 1,1-Dichloroethene	2.563	96	185677	134.674	ug/l	99
13) Acrolein	2.476	56	65624	760.029	ug/l	95
14) Allyl chloride	2.904	41	460929	138.430	ug/l	99
15) Acrylonitrile	3.303	53	1074925	820.359	ug/l	99
16) Acetone	2.618	43	1130156	738.432	ug/l	99
17) Carbon Disulfide	2.772	76	403871	155.484	ug/l	99
18) Methyl Acetate	2.939	43	613995	153.199	ug/l	99
19) Methyl tert-butyl Ether	3.357	73	863450	146.748	ug/l	99
20) Methylene Chloride	3.023	84	243769	153.891	ug/l	97
21) trans-1,2-Dichloroethene	3.328	96	195463	155.107	ug/l	95
22) Diisopropyl ether	3.988	45	819381	148.183	ug/l	94
23) Vinyl Acetate	3.943	43	3561688	830.120	ug/l	99
24) 1,1-Dichloroethane	3.846	63	447587	142.626	ug/l	98
25) 2-Butanone	4.701	43	1485588	864.662	ug/l	100
26) 2,2-Dichloropropane	4.644	77	397256	142.519	ug/l	98
27) cis-1,2-Dichloroethene	4.647	96	276913	143.128	ug/l	99
28) Bromochloromethane	4.955	49	211266	143.314	ug/l	100
29) Tetrahydrofuran	5.045	42	918903	807.149	ug/l	98
30) Chloroform	5.071	83	474049	143.078	ug/l	98
31) Cyclohexane	5.367	56	332637	131.673	ug/l	98
32) 1,1,1-Trichloroethane	5.296	97	410826	145.626	ug/l	99
36) 1,1-Dichloropropene	5.508	75	289188	145.084	ug/l	98
37) Ethyl Acetate	4.801	43	501300	152.200	ug/l	100
38) Carbon Tetrachloride	5.505	117	332384	151.344	ug/l	100
39) Methylcyclohexane	6.746	83	346302	143.788	ug/l	97
40) Benzene	5.756	78	939289	150.891	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.965	41	261953	177.281	ug/l	98
42) 1,2-Dichloroethane	5.779	62	360449	153.992	ug/l	99
43) Isopropyl Acetate	5.907	43	746463	174.093	ug/l	100
44) Trichloroethene	6.528	130	246024	147.686	ug/l	100
45) 1,2-Dichloropropane	6.778	63	263770	152.424	ug/l	99
46) Dibromomethane	6.904	93	192126	156.042	ug/l	99
47) Bromodichloromethane	7.094	83	393443	153.677	ug/l	99
48) Methyl methacrylate	6.952	41	345038	174.108	ug/l	98
49) 1,4-Dioxane	6.959	88	152673	3510.783	ug/l	98
51) 4-Methyl-2-Pentanone	7.785	43	2671372	860.785	ug/l	100
52) Toluene	7.958	92	617809	151.735	ug/l	93
53) t-1,3-Dichloropropene	8.200	75	401801	179.347	ug/l	98
54) cis-1,3-Dichloropropene	7.595	75	426736	170.154	ug/l	98
55) 1,1,2-Trichloroethane	8.389	97	266627	154.196	ug/l	97
56) Ethyl methacrylate	8.325	69	469203	168.214	ug/l	99
57) 1,3-Dichloropropane	8.563	76	439559	154.217	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.457	63	33140	1144.171	ug/l #	89
59) 2-Hexanone	8.675	43	2043995	870.786	ug/l	100
60) Dibromochloromethane	8.798	129	320220	165.312	ug/l	99
61) 1,2-Dibromoethane	8.913	107	263481	155.251	ug/l	100
64) Tetrachloroethene	8.540	164	226366	132.502	ug/l	99
65) Chlorobenzene	9.438	112	712929	149.318	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.524	131	253970	155.102	ug/l	97
67) Ethyl Benzene	9.560	91	1228255	149.678	ug/l	100
68) m/p-Xylenes	9.685	106	933142	297.958	ug/l	93
69) o-Xylene	10.090	106	476348	149.604	ug/l	99
70) Styrene	10.106	104	813688	160.721	ug/l	98
71) Bromoform	10.280	173	245104	171.735	ug/l #	99
73) Isopropylbenzene	10.473	105	1234075	144.847	ug/l	100
74) N-amyl acetate	10.312	43	653463	171.029	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.772	83	486363	155.085	ug/l	99
76) 1,2,3-Trichloropropane	10.814	75	505480	152.349	ug/l #	81
77) Bromobenzene	10.772	156	305771	146.413	ug/l	98
78) n-propylbenzene	10.897	91	1471786	148.955	ug/l	99
79) 2-Chlorotoluene	10.978	91	924722	149.225	ug/l	100
80) 1,3,5-Trimethylbenzene	11.077	105	1090429	146.327	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.534	75	110046	165.421	ug/l	98
82) 4-Chlorotoluene	11.087	91	1063014	151.100	ug/l	100
83) tert-Butylbenzene	11.412	119	1057297	147.948	ug/l	99
84) 1,2,4-Trimethylbenzene	11.457	105	1098330	150.092	ug/l	99
85) sec-Butylbenzene	11.634	105	1367941	145.061	ug/l	99
86) p-Isopropyltoluene	11.785	119	1142410	149.327	ug/l	100
87) 1,3-Dichlorobenzene	11.736	146	589333	146.440	ug/l	100
88) 1,4-Dichlorobenzene	11.826	146	590909	144.176	ug/l	100
89) n-Butylbenzene	12.199	91	1121910	158.445	ug/l	99
90) Hexachloroethane	12.466	117	207473	162.147	ug/l	99
91) 1,2-Dichlorobenzene	12.203	146	578949	147.528	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.984	75	124520	167.646	ug/l	97
93) 1,2,4-Trichlorobenzene	13.830	180	404419	160.918	ug/l	99
94) Hexachlorobutadiene	14.010	225	161250	150.097	ug/l	98
95) Naphthalene	14.077	128	1384089	168.167	ug/l	100
96) 1,2,3-Trichlorobenzene	14.318	180	394366	159.674	ug/l	100

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

