

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW082125\
 Data File : VW038980.D
 Acq On : 21 Aug 2025 12:56
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVV082125

Quant Time: Aug 22 04:19:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 04:15:04 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/22/2025
 Supervised By : Mahesh Dadoda 08/25/2025

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

Internal Standards						
1) Pentafluorobenzene	4.597	168	544035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	881253	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	827681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	454705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	363314	47.593	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	95.180%		
35) Dibromofluoromethane	4.500	113	308210	46.635	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery =	93.280%		
50) Toluene-d8	7.236	98	1080134	46.869	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	93.740%		
62) 4-Bromofluorobenzene	9.998	95	408953	48.508	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	97.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.118	85	347348	42.710	ug/l	100
3) Chloromethane	1.227	50	359246	42.764	ug/l	100
4) Vinyl Chloride	1.294	62	387256	43.690	ug/l	98
5) Bromomethane	1.494	94	208404	43.505	ug/l	99
6) Chloroethane	1.558	64	181077	40.090	ug/l	100
7) Trichlorofluoromethane	1.722	101	507358	41.782	ug/l	99
8) Diethyl Ether	1.915	74	162505	43.518	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.079	101	274153	40.902	ug/l	100
10) Methyl Iodide	2.195	142	395970	47.484	ug/l	98
11) Tert butyl alcohol	2.561	59	241933	234.158	ug/l	98
12) 1,1-Dichloroethene	2.079	96	263935	42.747	ug/l	100
13) Acrolein	2.008	56	79822	237.538	ug/l	93
14) Allyl chloride	2.356	41	372217	45.151	ug/l	98
15) Acrylonitrile	2.671	53	730894	234.076	ug/l	99
16) Acetone	2.114	43	637800	208.169	ug/l	100
17) Carbon Disulfide	2.249	76	734660	42.779	ug/l	100
18) Methyl Acetate	2.378	43	307081	47.286	ug/l	99
19) Methyl tert-butyl Ether	2.706	73	900963	49.349	ug/l	100
20) Methylene Chloride	2.455	84	291011	40.872	ug/l	97
21) trans-1,2-Dichloroethene	2.700	96	282867	43.985	ug/l	97
22) Diisopropyl ether	3.211	45	797796	44.077	ug/l	91
23) Vinyl Acetate	3.185	43	3407108	234.596	ug/l	98
24) 1,1-Dichloroethane	3.118	63	489892	40.860	ug/l	99
25) 2-Butanone	3.857	43	1134837	284.677	ug/l	99
26) 2,2-Dichloropropane	3.809	77	522402	45.420	ug/l	99
27) cis-1,2-Dichloroethene	3.818	96	384522	49.539	ug/l	97
28) Bromochloromethane	4.146	49	149849	58.111	ug/l	88
29) Tetrahydrofuran	4.227	42	749656	281.713	ug/l	91
30) Chloroform	4.275	83	630089	45.988	ug/l	97
31) Cyclohexane	4.584	56	524195	49.002	ug/l	94
32) 1,1,1-Trichloroethane	4.510	97	572073	44.442	ug/l	99
36) 1,1-Dichloropropene	4.745	75	422468	49.222	ug/l	98
37) Ethyl Acetate	3.966	43	455051	54.265	ug/l	95
38) Carbon Tetrachloride	4.732	117	502523	43.722	ug/l	97
39) Methylcyclohexane	6.047	83	569225	51.904	ug/l	97
40) Benzene	5.008	78	1332784	49.579	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.153	41	204984	64.871	ug/l	92
42) 1,2-Dichloroethane	5.037	62	452424	46.035	ug/l	100
43) Isopropyl Acetate	5.185	43	709186	55.426	ug/l	97
44) Trichloroethene	5.828	130	339372	46.541	ug/l	95
45) 1,2-Dichloropropane	6.085	63	328975	51.027	ug/l	98
46) Dibromomethane	6.224	93	250499	46.305	ug/l	98
47) Bromodichloromethane	6.426	83	508309	46.169	ug/l	98
48) Methyl methacrylate	6.291	41	334970	58.402	ug/l	93
49) 1,4-Dioxane	6.285	88	103128m	1075.328	ug/l	
51) 4-Methyl-2-Pentanone	7.143	43	2317760	275.881	ug/l	99
52) Toluene	7.307	92	849767	49.913	ug/l	99
53) t-1,3-Dichloropropene	7.571	75	519087	50.434	ug/l	99
54) cis-1,3-Dichloropropene	6.947	75	556800	52.213	ug/l	99
55) 1,1,2-Trichloroethane	7.757	97	341785	46.043	ug/l	99
56) Ethyl methacrylate	7.712	69	515486	45.941	ug/l	99
57) 1,3-Dichloropropane	7.931	76	554694	47.922	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.809	63	1365481	260.454	ug/l	96
59) 2-Hexanone	8.059	43	1728882	216.977	ug/l	99
60) Dibromochloromethane	8.166	129	404445	45.122	ug/l	98
61) 1,2-Dibromoethane	8.272	107	365548	47.466	ug/l	99
64) Tetrachloroethene	7.896	164	294548	47.826	ug/l	99
65) Chlorobenzene	8.802	112	945294	47.369	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.895	131	337941	47.173	ug/l	99
67) Ethyl Benzene	8.934	91	1595682	52.378	ug/l	99
68) m/p-Xylenes	9.063	106	1268818	107.238	ug/l	99
69) o-Xylene	9.468	106	591993	54.895	ug/l	100
70) Styrene	9.484	104	1050003	56.752	ug/l	100
71) Bromoform	9.654	173	284998	48.285	ug/l #	100
73) Isopropylbenzene	9.854	105	1614424	52.911	ug/l	100
74) N-amyl acetate	9.722	43	634384	56.749	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.166	83	542309	44.753	ug/l	99
76) 1,2,3-Trichloropropane	10.198	75	413770	49.059	ug/l	99
77) Bromobenzene	10.140	156	389618	49.700	ug/l	99
78) n-propylbenzene	10.278	91	1947393	53.456	ug/l	100
79) 2-Chlorotoluene	10.346	91	1135066	51.894	ug/l	100
80) 1,3,5-Trimethylbenzene	10.465	105	1385983	53.976	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.928	75	195104	53.110	ug/l	99
82) 4-Chlorotoluene	10.461	91	1346502	53.411	ug/l	100
83) tert-Butylbenzene	10.789	119	1372168	53.817	ug/l	100
84) 1,2,4-Trimethylbenzene	10.838	105	1384661	56.349	ug/l	99
85) sec-Butylbenzene	11.011	105	1797022	54.194	ug/l	100
86) p-Isopropyltoluene	11.165	119	1501670	53.775	ug/l	99
87) 1,3-Dichlorobenzene	11.104	146	765914	49.478	ug/l	100
88) 1,4-Dichlorobenzene	11.194	146	790885	47.896	ug/l	100
89) n-Butylbenzene	11.580	91	1446548	53.170	ug/l	99
90) Hexachloroethane	11.821	117	291559	45.178	ug/l	100
91) 1,2-Dichlorobenzene	11.567	146	729176	49.400	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	117774	49.973	ug/l	97
93) 1,2,4-Trichlorobenzene	13.185	180	470541	53.420	ug/l	99
94) Hexachlorobutadiene	13.368	225	209798	46.202	ug/l	99
95) Naphthalene	13.423	128	1632588	58.733	ug/l	100
96) 1,2,3-Trichlorobenzene	13.664	180	426932	48.069	ug/l	99

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

