

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW071125\
 Data File : VW038881.D
 Acq On : 11 Jul 2025 09:11
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 14 06:08:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 14 06:07:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	428693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	678379	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	657439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	388951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	96440	18.412	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	36.820%#
35) Dibromofluoromethane	4.507	113	89037	19.250	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	38.500%#
50) Toluene-d8	7.236	98	260257	18.616	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	37.240%#
62) 4-Bromofluorobenzene	10.002	95	105512	18.735	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	37.460%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	72360	19.210	ug/l	100
3) Chloromethane	1.230	50	72181	17.745	ug/l	99
4) Vinyl Chloride	1.298	62	85838	18.438	ug/l	99
5) Bromomethane	1.497	94	65548	21.057	ug/l	94
6) Chloroethane	1.561	64	58668	18.854	ug/l	98
7) Trichlorofluoromethane	1.725	101	160055	19.431	ug/l	99
8) Diethyl Ether	1.918	74	56328	19.016	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.082	101	97367	19.768	ug/l	98
10) Methyl Iodide	2.198	142	103271	18.263	ug/l	96
11) Tert butyl alcohol	2.568	59	115857	96.075	ug/l	99
12) 1,1-Dichloroethene	2.082	96	82350	18.349	ug/l	96
13) Acrolein	2.011	56	17478	100.225	ug/l	96
14) Allyl chloride	2.359	41	137460	19.226	ug/l	97
15) Acrylonitrile	2.674	53	302942	98.170	ug/l	98
16) Acetone	2.121	43	229384	101.204	ug/l	96
17) Carbon Disulfide	2.253	76	155941	20.351	ug/l	98
18) Methyl Acetate	2.381	43	161946	21.118	ug/l	99
19) Methyl tert-butyl Ether	2.709	73	334298	19.867	ug/l	99
20) Methylene Chloride	2.455	84	108074	18.795	ug/l	100
21) trans-1,2-Dichloroethene	2.703	96	86309	18.075	ug/l	97
22) Diisopropyl ether	3.214	45	291183	20.382	ug/l	88
23) Vinyl Acetate	3.191	43	1110950	99.175	ug/l	100
24) 1,1-Dichloroethane	3.118	63	188092	20.104	ug/l	98
25) 2-Butanone	3.867	43	324446	99.989	ug/l	98
26) 2,2-Dichloropropane	3.812	77	158840	19.391	ug/l	98
27) cis-1,2-Dichloroethene	3.822	96	103750	18.921	ug/l	99
28) Bromochloromethane	4.146	49	79408	21.926	ug/l	96
29) Tetrahydrofuran	4.236	42	212671	99.327	ug/l	97
30) Chloroform	4.278	83	206317	20.002	ug/l	94
31) Cyclohexane	4.587	56	110481	17.991	ug/l	95
32) 1,1,1-Trichloroethane	4.513	97	177354	19.706	ug/l	98
36) 1,1-Dichloropropene	4.748	75	106520	20.039	ug/l	99
37) Ethyl Acetate	3.979	43	123608	19.751	ug/l	99
38) Carbon Tetrachloride	4.735	117	141781	20.080	ug/l	94
39) Methylcyclohexane	6.047	83	113006	18.018	ug/l	99
40) Benzene	5.011	78	361289	20.050	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.162	41	56356	19.871	ug/l	95
42) 1,2-Dichloroethane	5.043	62	139681	20.337	ug/l	99
43) Isopropyl Acetate	5.195	43	194267	19.627	ug/l	100
44) Trichloroethene	5.834	130	91255	19.380	ug/l	95
45) 1,2-Dichloropropane	6.088	63	94632	19.881	ug/l	99
46) Dibromomethane	6.230	93	74011	20.096	ug/l	99
47) Bromodichloromethane	6.429	83	162415	20.779	ug/l	99
48) Methyl methacrylate	6.301	41	83488	19.261	ug/l	98
49) 1,4-Dioxane	6.291	88	36080	387.832	ug/l	98
51) 4-Methyl-2-Pentanone	7.150	43	725148	107.594	ug/l	100
52) Toluene	7.310	92	239153	21.068	ug/l	99
53) t-1,3-Dichloropropene	7.577	75	147281	20.825	ug/l	100
54) cis-1,3-Dichloropropene	6.950	75	155338	20.318	ug/l	98
55) 1,1,2-Trichloroethane	7.760	97	114398	21.084	ug/l	97
56) Ethyl methacrylate	7.719	69	131591	20.409	ug/l	98
57) 1,3-Dichloropropane	7.934	76	169353	20.816	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.812	63	440487	98.651	ug/l	99
59) 2-Hexanone	8.066	43	529388	105.518	ug/l	98
60) Dibromochloromethane	8.169	129	135966	21.279	ug/l	98
61) 1,2-Dibromoethane	8.275	107	115044	21.046	ug/l	97
64) Tetrachloroethene	7.899	164	84238	19.537	ug/l	96
65) Chlorobenzene	8.805	112	282670	19.677	ug/l	98
66) 1,1,1,2-Tetrachloroethane	8.899	131	111130	19.398	ug/l	97
67) Ethyl Benzene	8.937	91	432078	20.256	ug/l	100
68) m/p-Xylenes	9.063	106	349022	42.027	ug/l	99
69) o-Xylene	9.468	106	154386	19.696	ug/l	99
70) Styrene	9.487	104	291336	21.030	ug/l	99
71) Bromoform	9.654	173	99340	21.333	ug/l #	99
73) Isopropylbenzene	9.857	105	463560	19.946	ug/l	99
74) N-amyl acetate	9.725	43	167457	19.670	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.165	83	189160	19.432	ug/l	100
76) 1,2,3-Trichloropropane	10.198	75	146404	20.245	ug/l	79
77) Bromobenzene	10.143	156	116488	19.108	ug/l	97
78) n-propylbenzene	10.278	91	546662	20.126	ug/l	100
79) 2-Chlorotoluene	10.349	91	345959	20.028	ug/l	100
80) 1,3,5-Trimethylbenzene	10.464	105	402271	20.526	ug/l	98
81) trans-1,4-Dichloro-2-b...	9.931	75	57657	19.456	ug/l	96
82) 4-Chlorotoluene	10.464	91	403736	20.909	ug/l	99
83) tert-Butylbenzene	10.789	119	400398	19.486	ug/l	98
84) 1,2,4-Trimethylbenzene	10.841	105	392552	20.356	ug/l	98
85) sec-Butylbenzene	11.011	105	526164	20.063	ug/l	100
86) p-Isopropyltoluene	11.165	119	443993	19.941	ug/l	100
87) 1,3-Dichlorobenzene	11.108	146	246905	19.842	ug/l	100
88) 1,4-Dichlorobenzene	11.198	146	258973	19.132	ug/l	99
89) n-Butylbenzene	11.580	91	398744	19.617	ug/l	98
90) Hexachloroethane	11.821	117	99679	18.822	ug/l	96
91) 1,2-Dichlorobenzene	11.567	146	231832	19.192	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	41050	18.652	ug/l	97
93) 1,2,4-Trichlorobenzene	13.185	180	137109	19.229	ug/l	99
94) Hexachlorobutadiene	13.368	225	69797	19.008	ug/l	98
95) Naphthalene	13.426	128	444503	18.838	ug/l	100
96) 1,2,3-Trichlorobenzene	13.667	180	143923	19.473	ug/l	98

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

