

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121625\
 Data File : VW032653.D
 Acq On : 16 Dec 2025 13:49
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Dec 17 00:39:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 00:33:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	364149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	635071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	580863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	275082	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	120156	23.002	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	46.000%#
35) Dibromofluoromethane	7.898	113	96687	23.428	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	46.860%#
50) Toluene-d8	10.325	98	371252	23.873	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	47.740%#
62) 4-Bromofluorobenzene	12.617	95	134826	23.571	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	47.140%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.046	85	41741	19.699	ug/l	100
3) Chloromethane	2.247	50	71598	19.038	ug/l	99
4) Vinyl Chloride	2.399	62	93291	19.578	ug/l	100
5) Bromomethane	2.820	94	60738	19.506	ug/l	90
6) Chloroethane	2.960	64	61141	19.884	ug/l	90
7) Trichlorofluoromethane	3.302	101	81274	19.512	ug/l	99
8) Diethyl Ether	3.722	74	51773	19.623	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.112	101	80410	19.389	ug/l	98
10) Methyl Iodide	4.301	142	113321	19.345	ug/l	99
11) Tert butyl alcohol	5.222	59	33976	98.521	ug/l	99
12) 1,1-Dichloroethene	4.076	96	84463	19.389	ug/l	97
13) Acrolein	3.936	56	57779	117.252	ug/l	99
14) Allyl chloride	4.704	41	154282	19.478	ug/l	99
15) Acrylonitrile	5.405	53	142598	98.206	ug/l	100
16) Acetone	4.161	43	172432	96.103	ug/l	100
17) Carbon Disulfide	4.411	76	240488	19.629	ug/l	100
18) Methyl Acetate	4.710	43	65628	19.080	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	175873	19.772	ug/l	99
20) Methylene Chloride	4.948	84	108926	19.244	ug/l	95
21) trans-1,2-Dichloroethene	5.460	96	90331	19.171	ug/l	98
22) Diisopropyl ether	6.338	45	316928	19.862	ug/l	99
23) Vinyl Acetate	6.283	43	1059624	99.997	ug/l	100
24) 1,1-Dichloroethane	6.246	63	179078	19.336	ug/l	100
25) 2-Butanone	7.197	43	206601	101.301	ug/l	100
26) 2,2-Dichloropropane	7.185	77	105723	19.070	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	104462	18.966	ug/l	98
28) Bromochloromethane	7.533	49	72808	20.774	ug/l	100
29) Tetrahydrofuran	7.551	42	124690	101.510	ug/l	98
30) Chloroform	7.691	83	177366	19.242	ug/l	94
31) Cyclohexane	7.971	56	162511	18.928	ug/l	94
32) 1,1,1-Trichloroethane	7.886	97	136157	19.395	ug/l	99
36) 1,1-Dichloropropene	8.093	75	126848	19.847	ug/l	99
37) Ethyl Acetate	7.277	43	88407	20.829	ug/l	99
38) Carbon Tetrachloride	8.087	117	116805	19.307	ug/l	100
39) Methylcyclohexane	9.343	83	153346	19.159	ug/l	97
40) Benzene	8.337	78	383432	19.973	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	51096	21.717	ug/l	91
42) 1,2-Dichloroethane	8.410	62	124757	20.537	ug/l	99
43) Isopropyl Acetate	8.435	43	149703	20.260	ug/l	100
44) Trichloroethene	9.099	130	89663	20.194	ug/l	93
45) 1,2-Dichloropropane	9.374	63	97683	19.951	ug/l	97
46) Dibromomethane	9.465	93	57319	20.351	ug/l	100
47) Bromodichloromethane	9.654	83	131056	19.743	ug/l	98
48) Methyl methacrylate	9.441	41	66650	18.735	ug/l	98
49) 1,4-Dioxane	9.465	88	14488	405.419	ug/l #	94
51) 4-Methyl-2-Pentanone	10.215	43	435376	104.909	ug/l	99
52) Toluene	10.392	92	239837	20.288	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	126388	19.569	ug/l	98
54) cis-1,3-Dichloropropene	10.081	75	148831	19.814	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	77308	20.245	ug/l	95
56) Ethyl methacrylate	10.648	69	105449	19.885	ug/l	98
57) 1,3-Dichloropropane	10.934	76	137140	20.273	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	274354	111.119	ug/l	99
59) 2-Hexanone	10.971	43	318216	106.439	ug/l	99
60) Dibromochloromethane	11.123	129	82693	19.542	ug/l	94
61) 1,2-Dibromoethane	11.239	107	74127	20.364	ug/l	99
64) Tetrachloroethene	10.861	164	73021	19.706	ug/l	93
65) Chlorobenzene	11.660	112	260255	19.714	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.733	131	77726	19.233	ug/l	93
67) Ethyl Benzene	11.727	91	444241	19.688	ug/l	97
68) m/p-Xylenes	11.837	106	347208	40.345	ug/l	97
69) o-Xylene	12.166	106	153315	19.500	ug/l	98
70) Styrene	12.178	104	275531	20.113	ug/l	98
71) Bromoform	12.349	173	41682	18.461	ug/l #	96
73) Isopropylbenzene	12.465	105	389582	18.822	ug/l	100
74) N-amyl acetate	12.270	43	134054	19.824	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.715	83	98795	20.083	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	73447m	11.689	ug/l	
77) Bromobenzene	12.745	156	91595	19.205	ug/l	99
78) n-propylbenzene	12.800	91	504319	19.230	ug/l	98
79) 2-Chlorotoluene	12.891	91	301913	19.327	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	337367	19.551	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	30223	18.836	ug/l	93
82) 4-Chlorotoluene	12.983	91	326117	19.659	ug/l	98
83) tert-Butylbenzene	13.202	119	278694	18.818	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	348686	19.888	ug/l	98
85) sec-Butylbenzene	13.379	105	435666	19.282	ug/l	98
86) p-Isopropyltoluene	13.495	119	359034	19.405	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	190635	19.860	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	185388	19.225	ug/l	92
89) n-Butylbenzene	13.818	91	351893	18.913	ug/l	99
90) Hexachloroethane	14.092	117	64846	18.648	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	171294	19.712	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.476	75	16731	19.764	ug/l	97
93) 1,2,4-Trichlorobenzene	15.123	180	93897	18.255	ug/l	97
94) Hexachlorobutadiene	15.232	225	41702	17.349	ug/l	92
95) Naphthalene	15.360	128	228728	18.916	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	84385	18.260	ug/l	93

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

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