

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121625\
 Data File : VW032659.D
 Acq On : 16 Dec 2025 16:22
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW121625

Quant Time: Dec 17 01:04:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 00:58:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	360242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	624751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	554239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	261475	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	233130	45.113	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	90.220%
35) Dibromofluoromethane	7.898	113	185928	45.796	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	91.600%
50) Toluene-d8	10.325	98	718820	46.986	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	93.980%
62) 4-Bromofluorobenzene	12.617	95	266907	47.434	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	94.860%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.040	85	101140	48.248	ug/l	99
3) Chloromethane	2.253	50	170609	45.858	ug/l	97
4) Vinyl Chloride	2.399	62	226473	48.042	ug/l	99
5) Bromomethane	2.814	94	147019	47.727	ug/l	95
6) Chloroethane	2.960	64	149588	49.177	ug/l	95
7) Trichlorofluoromethane	3.308	101	213414	51.792	ug/l	97
8) Diethyl Ether	3.716	74	131380	50.334	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.106	101	198723	48.436	ug/l	99
10) Methyl Iodide	4.308	142	280051	48.326	ug/l	99
11) Tert butyl alcohol	5.210	59	98964	290.081	ug/l	99
12) 1,1-Dichloroethene	4.076	96	212633	49.340	ug/l	93
13) Acrolein	3.930	56	107416	220.345	ug/l	97
14) Allyl chloride	4.704	41	399457	50.978	ug/l	100
15) Acrylonitrile	5.405	53	393614	274.018	ug/l	99
16) Acetone	4.161	43	479673	270.240	ug/l	98
17) Carbon Disulfide	4.417	76	592252	48.865	ug/l	97
18) Methyl Acetate	4.704	43	195165	57.355	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	466967	53.066	ug/l	98
20) Methylene Chloride	4.954	84	247185	51.299	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	234156	50.235	ug/l	96
22) Diisopropyl ether	6.338	45	814485	51.597	ug/l	98
23) Vinyl Acetate	6.283	43	2845075	271.403	ug/l	100
24) 1,1-Dichloroethane	6.246	63	463583	50.599	ug/l	99
25) 2-Butanone	7.191	43	581178	288.054	ug/l	98
26) 2,2-Dichloropropane	7.185	77	275987	50.321	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	276309	50.711	ug/l	99
28) Bromochloromethane	7.526	49	196664	56.723	ug/l	96
29) Tetrahydrofuran	7.551	42	348631	286.899	ug/l	99
30) Chloroform	7.691	83	459642	50.406	ug/l	99
31) Cyclohexane	7.971	56	407646	47.994	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	350267	50.434	ug/l	99
36) 1,1-Dichloropropene	8.093	75	327899	52.152	ug/l	99
37) Ethyl Acetate	7.270	43	231599	55.467	ug/l	99
38) Carbon Tetrachloride	8.081	117	306628	51.520	ug/l	98
39) Methylcyclohexane	9.343	83	423505	53.787	ug/l	96
40) Benzene	8.337	78	972588	51.498	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	132135	57.087	ug/l	96
42) 1,2-Dichloroethane	8.410	62	317601	53.146	ug/l	99
43) Isopropyl Acetate	8.435	43	412479	56.744	ug/l	98
44) Trichloroethene	9.099	130	227277	52.032	ug/l	89
45) 1,2-Dichloropropane	9.374	63	247292	51.342	ug/l	96
46) Dibromomethane	9.465	93	143537	51.803	ug/l	99
47) Bromodichloromethane	9.648	83	345578	52.919	ug/l	97
48) Methyl methacrylate	9.441	41	209722	59.927	ug/l	93
49) 1,4-Dioxane	9.465	88	41992	1194.477	ug/l #	99
51) 4-Methyl-2-Pentanone	10.209	43	1186653	290.660	ug/l	100
52) Toluene	10.392	92	611878	52.615	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	345482	54.374	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	391811	53.023	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	198522	52.846	ug/l	95
56) Ethyl methacrylate	10.648	69	306354	58.724	ug/l	98
57) 1,3-Dichloropropane	10.934	76	356109	53.512	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	717923	269.395	ug/l	100
59) 2-Hexanone	10.971	43	870809	296.085	ug/l	99
60) Dibromochloromethane	11.129	129	227861	54.738	ug/l	97
61) 1,2-Dibromoethane	11.239	107	189166	52.826	ug/l	97
64) Tetrachloroethene	10.861	164	187017	52.894	ug/l	90
65) Chlorobenzene	11.660	112	684171	54.316	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	209647	54.370	ug/l	97
67) Ethyl Benzene	11.727	91	1198761	55.680	ug/l	93
68) m/p-Xylenes	11.837	106	879189	107.067	ug/l	99
69) o-Xylene	12.166	106	427196	56.946	ug/l	99
70) Styrene	12.178	104	722046	55.241	ug/l	99
71) Bromoform	12.349	173	121064	56.195	ug/l #	97
73) Isopropylbenzene	12.465	105	1077134	54.748	ug/l	100
74) N-amyl acetate	12.269	43	374100	58.201	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	253688	54.253	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	189753m	53.014	ug/l	
77) Bromobenzene	12.745	156	240769	53.111	ug/l	97
78) n-propylbenzene	12.800	91	1353308	54.288	ug/l	99
79) 2-Chlorotoluene	12.891	91	795452	53.570	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	898773	54.796	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	86445	56.681	ug/l	99
82) 4-Chlorotoluene	12.983	91	832013	52.765	ug/l	99
83) tert-Butylbenzene	13.202	119	767490	54.520	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	900222	54.018	ug/l	100
85) sec-Butylbenzene	13.379	105	1160512	54.035	ug/l	100
86) p-Isopropyltoluene	13.495	119	959862	54.579	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	484471	53.098	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	481604	52.543	ug/l	99
89) n-Butylbenzene	13.818	91	973973	55.071	ug/l	99
90) Hexachloroethane	14.086	117	174924	52.922	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	419166	50.748	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.483	75	45814	56.936	ug/l	96
93) 1,2,4-Trichlorobenzene	15.123	180	258175	52.804	ug/l	98
94) Hexachlorobutadiene	15.226	225	130258	57.011	ug/l	96
95) Naphthalene	15.360	128	681960	59.333	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	244097	55.570	ug/l	96

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

