

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121625\
 Data File : VW032651.D
 Acq On : 16 Dec 2025 13:06
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Quant Time: Dec 17 00:37:59 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	7.959	168	323167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	616231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	561272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	259146	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	23577	5.086	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	10.180%#
35) Dibromofluoromethane	7.898	113	18023	4.501	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	9.000%#
50) Toluene-d8	10.325	98	65895	4.367	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	8.740%#
62) 4-Bromofluorobenzene	12.617	95	25092	4.521	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	9.040%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.040	85	9401	4.999	ug/l	93
3) Chloromethane	2.253	50	18732	5.613	ug/l	99
4) Vinyl Chloride	2.399	62	21825	5.161	ug/l	98
5) Bromomethane	2.820	94	13721	4.965	ug/l	96
6) Chloroethane	2.966	64	12821	4.698	ug/l	99
7) Trichlorofluoromethane	3.302	101	15811	4.277	ug/l	98
8) Diethyl Ether	3.716	74	11851	5.061	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	17823	4.843	ug/l	98
10) Methyl Iodide	4.308	142	24811	4.773	ug/l	96
11) Tert butyl alcohol	5.222	59	7803	25.496	ug/l #	84
12) 1,1-Dichloroethene	4.076	96	18513	4.789	ug/l	93
13) Acrolein	3.930	56	12821	29.317	ug/l	97
14) Allyl chloride	4.704	41	30753	4.375	ug/l	92
15) Acrylonitrile	5.405	53	30525	23.688	ug/l	97
16) Acetone	4.167	43	52040	32.682	ug/l	93
17) Carbon Disulfide	4.417	76	50998	4.690	ug/l	99
18) Methyl Acetate	4.710	43	14834	4.860	ug/l #	76
19) Methyl tert-butyl Ether	5.472	73	35523	4.500	ug/l	95
20) Methylene Chloride	4.948	84	33739	3.117	ug/l	95
21) trans-1,2-Dichloroethene	5.460	96	19469	4.656	ug/l	99
22) Diisopropyl ether	6.332	45	60617	4.281	ug/l #	80
23) Vinyl Acetate	6.289	43	197217	20.972	ug/l	96
24) 1,1-Dichloroethane	6.246	63	37955	4.618	ug/l	99
25) 2-Butanone	7.197	43	42484	23.472	ug/l	98
26) 2,2-Dichloropropane	7.191	77	23616	4.800	ug/l	97
27) cis-1,2-Dichloroethene	7.185	96	22586	4.621	ug/l	98
28) Bromochloromethane	7.533	49	14291	4.595	ug/l	93
29) Tetrahydrofuran	7.563	42	24780	22.732	ug/l	99
30) Chloroform	7.697	83	38175	4.667	ug/l	99
31) Cyclohexane	7.972	56	41013	5.383	ug/l #	89
32) 1,1,1-Trichloroethane	7.880	97	28825	4.627	ug/l	98
36) 1,1-Dichloropropene	8.100	75	26751	4.314	ug/l	96
37) Ethyl Acetate	7.277	43	18547	4.503	ug/l	95
38) Carbon Tetrachloride	8.087	117	26379	4.493	ug/l	97
39) Methylcyclohexane	9.343	83	32863	4.231	ug/l	91
40) Benzene	8.337	78	80466	4.320	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	9788	4.287	ug/l	98
42) 1,2-Dichloroethane	8.417	62	25764	4.371	ug/l	98
43) Isopropyl Acetate	8.435	43	30208	4.213	ug/l	97
44) Trichloroethene	9.099	130	19365	4.495	ug/l	89
45) 1,2-Dichloropropane	9.374	63	20495	4.314	ug/l	96
46) Dibromomethane	9.465	93	12298	4.500	ug/l	98
47) Bromodichloromethane	9.654	83	27710	4.302	ug/l #	97
48) Methyl methacrylate	9.447	41	14153	4.100	ug/l	92
49) 1,4-Dioxane	9.471	88	2493	71.895	ug/l #	92
51) 4-Methyl-2-Pentanone	10.215	43	86912	21.583	ug/l	97
52) Toluene	10.392	92	47680	4.157	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	25089	4.003	ug/l	98
54) cis-1,3-Dichloropropene	10.081	75	29373	4.030	ug/l	94
55) 1,1,2-Trichloroethane	10.788	97	16471	4.445	ug/l	96
56) Ethyl methacrylate	10.648	69	19077	3.707	ug/l	98
57) 1,3-Dichloropropane	10.934	76	28558	4.351	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.928	63	42778	31.093	ug/l	97
59) 2-Hexanone	10.971	43	60642	20.904	ug/l	93
60) Dibromochloromethane	11.130	129	17291	4.211	ug/l	93
61) 1,2-Dibromoethane	11.239	107	15675	4.438	ug/l	94
64) Tetrachloroethene	10.861	164	15692	4.383	ug/l	95
65) Chlorobenzene	11.654	112	53712	4.211	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.733	131	16826	4.309	ug/l	96
67) Ethyl Benzene	11.733	91	87570	4.017	ug/l	94
68) m/p-Xylenes	11.837	106	64106	7.709	ug/l	98
69) o-Xylene	12.166	106	29126	3.834	ug/l	98
70) Styrene	12.178	104	47759	3.608	ug/l	99
71) Bromoform	12.349	173	9684	4.439	ug/l #	100
73) Isopropylbenzene	12.465	105	74824	3.837	ug/l	99
74) N-amyl acetate	12.270	43	23303	3.658	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.708	83	21454	4.629	ug/l	97
76) 1,2,3-Trichloropropane	12.769	75	16609m	2.806	ug/l	
77) Bromobenzene	12.745	156	19238	4.282	ug/l	98
78) n-propylbenzene	12.800	91	95635	3.871	ug/l	99
79) 2-Chlorotoluene	12.891	91	60002	4.077	ug/l	96
80) 1,3,5-Trimethylbenzene	12.940	105	62143	3.823	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	6213	4.110	ug/l	92
82) 4-Chlorotoluene	12.989	91	67094	4.293	ug/l	98
83) tert-Butylbenzene	13.202	119	53199	3.813	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	62604	3.790	ug/l	99
85) sec-Butylbenzene	13.379	105	85592	4.021	ug/l	99
86) p-Isopropyltoluene	13.495	119	68332	3.920	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	40001	4.424	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	40791	4.490	ug/l	91
89) n-Butylbenzene	13.818	91	67864	3.872	ug/l	99
90) Hexachloroethane	14.092	117	13432	4.100	ug/l	95
91) 1,2-Dichlorobenzene	13.861	146	34635	4.231	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	3611	4.528	ug/l	97
93) 1,2,4-Trichlorobenzene	15.123	180	19465	4.017	ug/l	98
94) Hexachlorobutadiene	15.232	225	10204	4.506	ug/l	91
95) Naphthalene	15.360	128	42683	3.747	ug/l	98
96) 1,2,3-Trichlorobenzene	15.543	180	17666	4.058	ug/l	91

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

