

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121625\
 Data File : VW032658.D
 Acq On : 16 Dec 2025 16:00
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: Dec 17 00:42:38 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	360804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	646647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	556640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	259405	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	265453	51.288	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 102.580%	
35) Dibromofluoromethane	7.892	113	219541	52.245	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 104.480%	
50) Toluene-d8	10.325	98	836304	52.814	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 105.620%	
62) 4-Bromofluorobenzene	12.617	95	307758	52.842	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 105.680%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.046	85	95904	45.679	ug/l	100
3) Chloromethane	2.247	50	177886	47.739	ug/l	97
4) Vinyl Chloride	2.399	62	232211	49.183	ug/l	100
5) Bromomethane	2.814	94	152391	49.394	ug/l	97
6) Chloroethane	2.960	64	150777	49.491	ug/l	96
7) Trichlorofluoromethane	3.302	101	190918	46.260	ug/l	89
8) Diethyl Ether	3.716	74	130858	50.056	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	204915	49.868	ug/l	98
10) Methyl Iodide	4.301	142	285981	49.272	ug/l	99
11) Tert butyl alcohol	5.210	59	87831	257.047	ug/l	99
12) 1,1-Dichloroethene	4.070	96	218888	50.712	ug/l	98
13) Acrolein	3.930	56	115909	237.396	ug/l	97
14) Allyl chloride	4.698	41	406708	51.822	ug/l	98
15) Acrylonitrile	5.393	53	372057	258.607	ug/l	98
16) Acetone	4.155	43	455834	256.409	ug/l	99
17) Carbon Disulfide	4.411	76	602239	49.611	ug/l	99
18) Methyl Acetate	4.704	43	181317	53.203	ug/l	99
19) Methyl tert-butyl Ether	5.454	73	461442	52.357	ug/l	99
20) Methylene Chloride	4.948	84	254629	52.919	ug/l	98
21) trans-1,2-Dichloroethene	5.448	96	236229	50.600	ug/l	97
22) Diisopropyl ether	6.332	45	822750	52.039	ug/l	99
23) Vinyl Acetate	6.277	43	2795027	266.214	ug/l	99
24) 1,1-Dichloroethane	6.240	63	467384	50.934	ug/l	98
25) 2-Butanone	7.185	43	543307	268.865	ug/l	99
26) 2,2-Dichloropropane	7.179	77	279890	50.954	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	278966	51.119	ug/l	98
28) Bromochloromethane	7.520	49	171175	49.294	ug/l	99
29) Tetrahydrofuran	7.545	42	321640	264.275	ug/l	99
30) Chloroform	7.691	83	463011	50.696	ug/l	99
31) Cyclohexane	7.965	56	413130	48.564	ug/l	98
32) 1,1,1-Trichloroethane	7.880	97	352111	50.621	ug/l	98
36) 1,1-Dichloropropene	8.094	75	333404	51.232	ug/l	99
37) Ethyl Acetate	7.264	43	224471	51.939	ug/l	100
38) Carbon Tetrachloride	8.075	117	314551	51.061	ug/l	97
39) Methylcyclohexane	9.337	83	419963	51.532	ug/l	93
40) Benzene	8.331	78	991547	50.724	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	122304	51.051	ug/l	99
42) 1,2-Dichloroethane	8.411	62	316711	51.203	ug/l	99
43) Isopropyl Acetate	8.429	43	394749	52.466	ug/l	99
44) Trichloroethene	9.093	130	228777	50.602	ug/l	96
45) 1,2-Dichloropropane	9.374	63	254034	50.956	ug/l	99
46) Dibromomethane	9.465	93	144627	50.429	ug/l	99
47) Bromodichloromethane	9.648	83	347490	51.410	ug/l	97
48) Methyl methacrylate	9.441	41	199307	55.022	ug/l	95
49) 1,4-Dioxane	9.459	88	39213	1077.658	ug/l #	97
51) 4-Methyl-2-Pentanone	10.209	43	1109852	262.644	ug/l	100
52) Toluene	10.386	92	626533	52.051	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	350150	53.243	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	402082	52.570	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	198902	51.154	ug/l	99
56) Ethyl methacrylate	10.648	69	289341	53.585	ug/l	99
57) 1,3-Dichloropropane	10.934	76	351514	51.033	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.929	63	669027	244.119	ug/l	100
59) 2-Hexanone	10.965	43	821693	269.925	ug/l	99
60) Dibromochloromethane	11.130	129	224531	52.111	ug/l	98
61) 1,2-Dibromoethane	11.239	107	185309	49.997	ug/l	96
64) Tetrachloroethene	10.861	164	184425	51.936	ug/l #	89
65) Chlorobenzene	11.654	112	679077	53.679	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	209691	54.146	ug/l	94
67) Ethyl Benzene	11.727	91	1195889	55.307	ug/l	94
68) m/p-Xylenes	11.837	106	913035	110.709	ug/l	99
69) o-Xylene	12.160	106	417555	55.420	ug/l	98
70) Styrene	12.178	104	738918	56.288	ug/l	100
71) Bromoform	12.349	173	122820	56.765	ug/l #	97
73) Isopropylbenzene	12.459	105	1090559	55.872	ug/l	99
74) N-amyl acetate	12.270	43	357721	56.097	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.709	83	247915	53.442	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	179602m	30.311	ug/l	
77) Bromobenzene	12.745	156	243293	54.096	ug/l	96
78) n-propylbenzene	12.800	91	1373231	55.527	ug/l	100
79) 2-Chlorotoluene	12.885	91	808322	54.871	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	895659	55.042	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	85140	56.270	ug/l	96
82) 4-Chlorotoluene	12.983	91	837494	53.537	ug/l	99
83) tert-Butylbenzene	13.202	119	768543	55.031	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	913543	55.255	ug/l	99
85) sec-Butylbenzene	13.379	105	1163428	54.603	ug/l	99
86) p-Isopropyltoluene	13.495	119	953166	54.631	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	476725	52.666	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	488062	53.672	ug/l	98
89) n-Butylbenzene	13.818	91	977287	55.700	ug/l	99
90) Hexachloroethane	14.086	117	177086	54.003	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	438580	53.522	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.477	75	42441	53.165	ug/l	99
93) 1,2,4-Trichlorobenzene	15.129	180	282088	58.156	ug/l	94
94) Hexachlorobutadiene	15.226	225	121878	53.768	ug/l	93
95) Naphthalene	15.360	128	661870	58.044	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	231772	53.185	ug/l	92

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

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