

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121625\
 Data File : VW032655.D
 Acq On : 16 Dec 2025 14:31
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: Dec 17 00:40:42 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	403905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	718075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	641878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	286883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	428798	74.007	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 148.020%	
35) Dibromofluoromethane	7.898	113	351067	75.234	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 150.460%#	
50) Toluene-d8	10.325	98	1353610	76.980	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 153.960%#	
62) 4-Bromofluorobenzene	12.617	95	496798	76.815	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 153.620%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	197201	83.904	ug/l	98
3) Chloromethane	2.253	50	331128	79.382	ug/l	99
4) Vinyl Chloride	2.399	62	443388	83.890	ug/l	99
5) Bromomethane	2.814	94	293237	84.903	ug/l	91
6) Chloroethane	2.960	64	295077	86.520	ug/l	98
7) Trichlorofluoromethane	3.302	101	426757	92.371	ug/l	98
8) Diethyl Ether	3.716	74	261049	89.202	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	394861	85.838	ug/l	98
10) Methyl Iodide	4.307	142	570560	87.813	ug/l	99
11) Tert butyl alcohol	5.216	59	172233	450.270	ug/l	99
12) 1,1-Dichloroethene	4.076	96	417810	86.469	ug/l	96
13) Acrolein	3.929	56	212310	388.435	ug/l	100
14) Allyl chloride	4.704	41	807726	91.937	ug/l	100
15) Acrylonitrile	5.399	53	746963	463.791	ug/l	99
16) Acetone	4.161	43	753825	378.782	ug/l	100
17) Carbon Disulfide	4.417	76	1184114	87.136	ug/l	98
18) Methyl Acetate	4.704	43	366848	96.156	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	918554	93.101	ug/l	100
20) Methylene Chloride	4.948	84	493879	95.740	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	461681	88.339	ug/l	95
22) Diisopropyl ether	6.338	45	1632154	92.218	ug/l	97
23) Vinyl Acetate	6.277	43	5593216	475.881	ug/l	100
24) 1,1-Dichloroethane	6.246	63	917304	89.298	ug/l	99
25) 2-Butanone	7.191	43	1034440	457.284	ug/l	94
26) 2,2-Dichloropropane	7.185	77	546928	88.943	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	553197	90.552	ug/l	98
28) Bromochloromethane	7.532	49	373661	96.122	ug/l	100
29) Tetrahydrofuran	7.551	42	647992	475.606	ug/l	100
30) Chloroform	7.691	83	899151	87.945	ug/l	99
31) Cyclohexane	7.971	56	800797	84.090	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	676615	86.892	ug/l	98
36) 1,1-Dichloropropene	8.093	75	650242	89.980	ug/l	100
37) Ethyl Acetate	7.270	43	433001	90.224	ug/l	99
38) Carbon Tetrachloride	8.081	117	608230	88.913	ug/l	93
39) Methylcyclohexane	9.343	83	852467	94.197	ug/l	97
40) Benzene	8.331	78	1970209	90.764	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	257803	96.905	ug/l	95
42) 1,2-Dichloroethane	8.410	62	617905	89.960	ug/l	99
43) Isopropyl Acetate	8.435	43	803602	96.183	ug/l	98
44) Trichloroethene	9.099	130	452639	90.158	ug/l	94
45) 1,2-Dichloropropane	9.374	63	501363	90.564	ug/l	97
46) Dibromomethane	9.465	93	286325	89.906	ug/l	99
47) Bromodichloromethane	9.648	83	676498	90.129	ug/l	99
48) Methyl methacrylate	9.441	41	380523	94.601	ug/l	100
49) 1,4-Dioxane	9.465	88	77657	1921.892	ug/l #	98
51) 4-Methyl-2-Pentanone	10.209	43	2204754	469.850	ug/l	100
52) Toluene	10.392	92	1214239	90.842	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	703658	96.354	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	802897	94.533	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	389971	90.318	ug/l	97
56) Ethyl methacrylate	10.648	69	612296	102.116	ug/l	98
57) 1,3-Dichloropropane	10.934	76	691534	90.410	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.928	63	1498537	476.364	ug/l	99
59) 2-Hexanone	10.965	43	1579057	467.120	ug/l	99
60) Dibromochloromethane	11.129	129	450195	94.092	ug/l	99
61) 1,2-Dibromoethane	11.239	107	382641	92.969	ug/l	100
64) Tetrachloroethene	10.867	164	351304	85.793	ug/l	91
65) Chlorobenzene	11.654	112	1359303	93.180	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	429509	96.180	ug/l	96
67) Ethyl Benzene	11.727	91	2367063	94.934	ug/l	96
68) m/p-Xylenes	11.837	106	1775968	186.747	ug/l	98
69) o-Xylene	12.166	106	839804	96.662	ug/l	100
70) Styrene	12.178	104	1469747	97.091	ug/l	99
71) Bromoform	12.349	173	230426	92.355	ug/l #	99
73) Isopropylbenzene	12.458	105	2145976	99.414	ug/l	99
74) N-amyl acetate	12.269	43	722669	102.473	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	480253	93.610	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	409198m	62.445	ug/l	
77) Bromobenzene	12.739	156	476261	95.753	ug/l	95
78) n-propylbenzene	12.800	91	2681639	98.047	ug/l	100
79) 2-Chlorotoluene	12.891	91	1571132	96.437	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	1761210	97.866	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	172385	103.019	ug/l	95
82) 4-Chlorotoluene	12.983	91	1625967	93.984	ug/l	100
83) tert-Butylbenzene	13.202	119	1600427	103.621	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	1790976	97.951	ug/l	98
85) sec-Butylbenzene	13.379	105	2272922	96.457	ug/l	100
86) p-Isopropyltoluene	13.495	119	1833167	95.005	ug/l	98
87) 1,3-Dichlorobenzene	13.489	146	909632	90.867	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	917343	91.217	ug/l	98
89) n-Butylbenzene	13.818	91	1896823	97.753	ug/l	98
90) Hexachloroethane	14.092	117	344035	94.867	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	843606	93.089	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	85966	97.373	ug/l	95
93) 1,2,4-Trichlorobenzene	15.123	180	503577	93.874	ug/l	97
94) Hexachlorobutadiene	15.232	225	244086	97.369	ug/l	100
95) Naphthalene	15.360	128	1338142	106.112	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	473210	98.187	ug/l	92

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

