

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121625\
 Data File : VW032654.D
 Acq On : 16 Dec 2025 14:10
 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 00:40:04 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	373258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	658699	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	597814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	285950	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.313	65	206501	38.566	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	77.140%
35) Dibromofluoromethane	7.898	113	173208	40.464	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	80.920%
50) Toluene-d8	10.325	98	646936	40.108	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	80.220%
62) 4-Bromofluorobenzene	12.617	95	242784	40.923	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	81.840%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.040	85	86073	39.629	ug/l	99
3) Chloromethane	2.253	50	146150	37.913	ug/l	99
4) Vinyl Chloride	2.399	62	199260	40.796	ug/l	98
5) Bromomethane	2.820	94	133727	41.898	ug/l	99
6) Chloroethane	2.966	64	135331	42.939	ug/l	98
7) Trichlorofluoromethane	3.302	101	186219	43.616	ug/l	97
8) Diethyl Ether	3.716	74	113439	41.945	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	184645	43.436	ug/l	97
10) Methyl Iodide	4.301	142	255010	42.470	ug/l	100
11) Tert butyl alcohol	5.216	59	67919	192.140	ug/l	100
12) 1,1-Dichloroethene	4.076	96	188299	42.170	ug/l	94
13) Acrolein	3.930	56	101432	200.814	ug/l	99
14) Allyl chloride	4.710	41	353696	43.564	ug/l	99
15) Acrylonitrile	5.405	53	304396	204.518	ug/l	100
16) Acetone	4.155	43	326507	177.534	ug/l	100
17) Carbon Disulfide	4.417	76	536581	42.728	ug/l	98
18) Methyl Acetate	4.704	43	151914	43.088	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	391836	42.976	ug/l	98
20) Methylene Chloride	4.948	84	230617	45.641	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	206129	42.680	ug/l	97
22) Diisopropyl ether	6.338	45	730379	44.655	ug/l	97
23) Vinyl Acetate	6.283	43	2373544	218.526	ug/l	99
24) 1,1-Dichloroethane	6.246	63	413215	43.529	ug/l	100
25) 2-Butanone	7.191	43	423786	202.720	ug/l	99
26) 2,2-Dichloropropane	7.185	77	244004	42.939	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	250565	44.382	ug/l	100
28) Bromochloromethane	7.526	49	207019	57.627	ug/l	99
29) Tetrahydrofuran	7.551	42	260338	206.769	ug/l	99
30) Chloroform	7.691	83	409582	43.350	ug/l	99
31) Cyclohexane	7.971	56	363961	41.357	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	312268	43.395	ug/l	99
36) 1,1-Dichloropropene	8.100	75	295922	44.641	ug/l	100
37) Ethyl Acetate	7.270	43	180617	41.028	ug/l	100
38) Carbon Tetrachloride	8.081	117	273267	43.548	ug/l	100
39) Methylcyclohexane	9.343	83	364414	43.897	ug/l	92
40) Benzene	8.337	78	875605	43.974	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	103608	42.455	ug/l	97
42) 1,2-Dichloroethane	8.410	62	277018	43.966	ug/l	99
43) Isopropyl Acetate	8.435	43	327699	42.758	ug/l	99
44) Trichloroethene	9.099	130	201114	43.670	ug/l	96
45) 1,2-Dichloropropane	9.374	63	224315	44.172	ug/l	95
46) Dibromomethane	9.465	93	128965	44.145	ug/l	99
47) Bromodichloromethane	9.648	83	305660	44.394	ug/l	98
48) Methyl methacrylate	9.441	41	152098	41.221	ug/l	99
49) 1,4-Dioxane	9.465	88	31612	852.871	ug/l #	95
51) 4-Methyl-2-Pentanone	10.209	43	903924	209.997	ug/l	100
52) Toluene	10.392	92	556693	45.403	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	295241	44.072	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	347562	44.611	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	170829	43.131	ug/l	97
56) Ethyl methacrylate	10.648	69	247595	45.015	ug/l	99
57) 1,3-Dichloropropane	10.934	76	305813	43.586	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	525735	191.928	ug/l	99
59) 2-Hexanone	10.971	43	645703	208.231	ug/l	100
60) Dibromochloromethane	11.129	129	197457	44.989	ug/l	95
61) 1,2-Dibromoethane	11.233	107	168947	44.749	ug/l	98
64) Tetrachloroethene	10.867	164	167674	43.966	ug/l	92
65) Chlorobenzene	11.654	112	575794	42.380	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	184048	44.252	ug/l	93
67) Ethyl Benzene	11.727	91	1072328	46.177	ug/l	96
68) m/p-Xylenes	11.837	106	802123	90.562	ug/l	99
69) o-Xylene	12.166	106	373466	46.155	ug/l	97
70) Styrene	12.178	104	649841	46.093	ug/l	99
71) Bromoform	12.349	173	101145	43.527	ug/l #	100
73) Isopropylbenzene	12.459	105	951866	44.240	ug/l	100
74) N-amyl acetate	12.270	43	297522	42.326	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	211399	41.340	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	153494m	23.500	ug/l	
77) Bromobenzene	12.745	156	213564	43.078	ug/l	96
78) n-propylbenzene	12.800	91	1222551	44.845	ug/l	99
79) 2-Chlorotoluene	12.891	91	709124	43.668	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	802037	44.713	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	71116	42.638	ug/l	97
82) 4-Chlorotoluene	12.983	91	747177	43.329	ug/l	99
83) tert-Butylbenzene	13.202	119	704318	45.750	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	800649	43.931	ug/l	100
85) sec-Butylbenzene	13.379	105	1042544	44.387	ug/l	100
86) p-Isopropyltoluene	13.495	119	872940	45.388	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	435747	43.670	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	422282	42.127	ug/l	97
89) n-Butylbenzene	13.818	91	847978	43.843	ug/l	99
90) Hexachloroethane	14.092	117	157101	43.461	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	399062	44.179	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.483	75	34411	39.104	ug/l	99
93) 1,2,4-Trichlorobenzene	15.123	180	224494	41.986	ug/l	94
94) Hexachlorobutadiene	15.226	225	98081	39.253	ug/l	88
95) Naphthalene	15.360	128	549462	43.713	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	220433	45.887	ug/l	98

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

