

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
 Data File : VW032618.D
 Acq On : 11 Dec 2025 08:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 12 00:38:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:56:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	355694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	639261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	561166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	277005	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	287418	51.296	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 102.600%	
35) Dibromofluoromethane	7.898	113	226988	49.833	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 99.660%	
50) Toluene-d8	10.325	98	886820	54.055	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 108.120%	
62) 4-Bromofluorobenzene	12.617	95	318707	52.912	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 105.820%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	100321	45.420	ug/l	100
3) Chloromethane	2.253	50	161415	41.427	ug/l	98
4) Vinyl Chloride	2.405	62	217363	46.751	ug/l	97
5) Bromomethane	2.820	94	143589	46.370	ug/l	98
6) Chloroethane	2.972	64	143411	47.804	ug/l	96
7) Trichlorofluoromethane	3.308	101	199504	49.014	ug/l	88
8) Diethyl Ether	3.716	74	127526	46.789	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	192939	47.335	ug/l	98
10) Methyl Iodide	4.308	142	273740	48.228	ug/l	100
11) Tert butyl alcohol	5.222	59	87788	237.658	ug/l	98
12) 1,1-Dichloroethene	4.082	96	211044	48.876	ug/l	98
13) Acrolein	3.930	56	203608	327.451	ug/l	100
14) Allyl chloride	4.704	41	384084	47.849	ug/l	100
15) Acrylonitrile	5.405	53	382558	251.171	ug/l	99
16) Acetone	4.161	43	461784	247.814	ug/l	99
17) Carbon Disulfide	4.417	76	595863	47.482	ug/l	99
18) Methyl Acetate	4.710	43	181777	50.005	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	435938	50.851	ug/l	98
20) Methylene Chloride	4.954	84	240300	42.240	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	226269	47.980	ug/l	94
22) Diisopropyl ether	6.338	45	808322	49.733	ug/l	99
23) Vinyl Acetate	6.283	43	2789755	253.847	ug/l	99
24) 1,1-Dichloroethane	6.246	63	448518	48.253	ug/l	99
25) 2-Butanone	7.191	43	567777	259.311	ug/l	99
26) 2,2-Dichloropropane	7.191	77	253579	48.586	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	270466	49.119	ug/l	99
28) Bromochloromethane	7.533	49	194874	52.773	ug/l	100
29) Tetrahydrofuran	7.551	42	343116	261.023	ug/l	99
30) Chloroform	7.691	83	442803	48.295	ug/l	100
31) Cyclohexane	7.972	56	398586	46.523	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	331488	49.167	ug/l	99
36) 1,1-Dichloropropene	8.093	75	323275	49.119	ug/l	99
37) Ethyl Acetate	7.270	43	235336	52.202	ug/l	99
38) Carbon Tetrachloride	8.081	117	298704	49.068	ug/l	98
39) Methylcyclohexane	9.343	83	400520	48.390	ug/l	95
40) Benzene	8.337	78	965362	48.350	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	124854	51.816	ug/l	99
42) 1,2-Dichloroethane	8.410	62	309517	48.689	ug/l	100
43) Isopropyl Acetate	8.435	43	404537	50.599	ug/l	99
44) Trichloroethene	9.099	130	220185	48.297	ug/l	97
45) 1,2-Dichloropropane	9.374	63	245708	48.634	ug/l	96
46) Dibromomethane	9.465	93	147610	49.868	ug/l	98
47) Bromodichloromethane	9.648	83	338327	49.137	ug/l	98
48) Methyl methacrylate	9.441	41	185235	49.087	ug/l	98
49) 1,4-Dioxane	9.465	88	40812	1027.768	ug/l #	96
51) 4-Methyl-2-Pentanone	10.209	43	1171717	262.866	ug/l	100
52) Toluene	10.392	92	591488	48.150	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	337891	49.771	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	381794	48.769	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	195913	49.329	ug/l	98
56) Ethyl methacrylate	10.648	69	288554	50.326	ug/l	99
57) 1,3-Dichloropropane	10.934	76	350279	49.104	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.928	63	768053	369.417	ug/l	100
59) 2-Hexanone	10.965	43	856014	265.154	ug/l	99
60) Dibromochloromethane	11.130	129	220989	49.956	ug/l	94
61) 1,2-Dibromoethane	11.233	107	188464	49.074	ug/l	98
64) Tetrachloroethene	10.867	164	184321	51.229	ug/l	84
65) Chlorobenzene	11.654	112	655120	51.126	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	200023	49.986	ug/l	93
67) Ethyl Benzene	11.727	91	1154078	52.114	ug/l	96
68) m/p-Xylenes	11.837	106	856105	100.732	ug/l	99
69) o-Xylene	12.166	106	404997	51.669	ug/l	98
70) Styrene	12.178	104	718584	52.586	ug/l	99
71) Bromoform	12.349	173	122675	52.798	ug/l #	99
73) Isopropylbenzene	12.465	105	1035995	49.172	ug/l	99
74) N-amyl acetate	12.270	43	368056	50.987	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.709	83	255045	50.282	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	188621m	50.744	ug/l	
77) Bromobenzene	12.745	156	238111	49.250	ug/l	95
78) n-propylbenzene	12.800	91	1334360	49.581	ug/l	100
79) 2-Chlorotoluene	12.891	91	780705	49.420	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	868733	49.090	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	87445	58.405	ug/l	98
82) 4-Chlorotoluene	12.983	91	808154	48.168	ug/l	99
83) tert-Butylbenzene	13.202	119	741378	49.178	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	886763	49.685	ug/l	98
85) sec-Butylbenzene	13.379	105	1111465	48.153	ug/l	99
86) p-Isopropyltoluene	13.495	119	929492	49.510	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	474309	47.930	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	469535	47.649	ug/l	96
89) n-Butylbenzene	13.818	91	935349	49.589	ug/l	100
90) Hexachloroethane	14.092	117	168763	48.129	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	443183	49.616	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	43613	48.411	ug/l	98
93) 1,2,4-Trichlorobenzene	15.123	180	252817	47.654	ug/l	99
94) Hexachlorobutadiene	15.226	225	119397	47.610	ug/l	97
95) Naphthalene	15.354	128	639534	57.906	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	244529	48.761	ug/l	98

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

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