

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092225\
 Data File : VW032232.D
 Acq On : 22 Sep 2025 16:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 23 06:08:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	188164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	321133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	310007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	155666	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	135464	50.340	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 100.680%	
35) Dibromofluoromethane	7.905	113	115438	51.236	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 102.480%	
50) Toluene-d8	10.331	98	400180	50.596	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 101.200%	
62) 4-Bromofluorobenzene	12.617	95	148643	50.823	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 101.640%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.046	85	50965	41.024	ug/l	98
3) Chloromethane	2.259	50	66642	51.163	ug/l	96
4) Vinyl Chloride	2.406	62	88482	52.301	ug/l	97
5) Bromomethane	2.826	94	74800	49.511	ug/l	96
6) Chloroethane	2.972	64	64328	53.992	ug/l	97
7) Trichlorofluoromethane	3.308	101	87607	52.263	ug/l	93
8) Diethyl Ether	3.722	74	66582	53.226	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	96198	50.944	ug/l	98
10) Methyl Iodide	4.314	142	141476	49.204	ug/l	98
11) Tert butyl alcohol	5.222	59	41052	249.403	ug/l	100
12) 1,1-Dichloroethene	4.082	96	99466	50.017	ug/l	95
13) Acrolein	3.930	56	9940	39.286	ug/l	84
14) Allyl chloride	4.710	41	140220	49.639	ug/l	99
15) Acrylonitrile	5.405	53	159542	262.326	ug/l	98
16) Acetone	4.161	43	146515	251.402	ug/l	97
17) Carbon Disulfide	4.423	76	222364	44.706	ug/l	100
18) Methyl Acetate	4.710	43	114648	61.742	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	195857	52.155	ug/l	98
20) Methylene Chloride	4.960	84	118082	49.458	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	107399	48.344	ug/l	99
22) Diisopropyl ether	6.344	45	321583	52.307	ug/l	98
23) Vinyl Acetate	6.283	43	1049080	250.978	ug/l	99
24) 1,1-Dichloroethane	6.246	63	198884	49.414	ug/l	100
25) 2-Butanone	7.197	43	215403	260.831	ug/l	97
26) 2,2-Dichloropropane	7.191	77	108564	50.935	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	132999	49.199	ug/l	100
28) Bromochloromethane	7.533	49	96307	52.271	ug/l	97
29) Tetrahydrofuran	7.551	42	139066	264.995	ug/l	99
30) Chloroform	7.697	83	232511	50.597	ug/l	99
31) Cyclohexane	7.972	56	148968	45.093	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	166666	49.683	ug/l	100
36) 1,1-Dichloropropene	8.094	75	141855	48.560	ug/l	98
37) Ethyl Acetate	7.277	43	91996	52.496	ug/l	96
38) Carbon Tetrachloride	8.081	117	153363	48.973	ug/l	97
39) Methylcyclohexane	9.343	83	167743	48.480	ug/l	96
40) Benzene	8.337	78	448770	49.698	ug/l	98

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41) Methacrylonitrile	7.502	41	50851	52.229	ug/l	95
42) 1,2-Dichloroethane	8.411	62	159033	50.803	ug/l	100
43) Isopropyl Acetate	8.435	43	169800	51.649	ug/l	99
44) Trichloroethene	9.099	130	108960	47.982	ug/l	97
45) 1,2-Dichloropropane	9.380	63	111261	51.112	ug/l	100
46) Dibromomethane	9.471	93	76731	50.257	ug/l	98
47) Bromodichloromethane	9.654	83	176814	50.961	ug/l	96
48) Methyl methacrylate	9.441	41	80720	53.278	ug/l	98
49) 1,4-Dioxane	9.459	88	18576	1006.989	ug/l #	82
51) 4-Methyl-2-Pentanone	10.215	43	515622	277.762	ug/l	98
52) Toluene	10.392	92	294378	49.887	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	159936	52.253	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	175540	50.263	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	99634	50.184	ug/l	97
56) Ethyl methacrylate	10.648	69	135302	53.306	ug/l	99
57) 1,3-Dichloropropane	10.934	76	170089	51.164	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.929	63	384221	283.601	ug/l	100
59) 2-Hexanone	10.971	43	359752	278.653	ug/l	98
60) Dibromochloromethane	11.130	129	123413	51.371	ug/l	99
61) 1,2-Dibromoethane	11.239	107	99592	51.010	ug/l	100
64) Tetrachloroethene	10.867	164	91820	45.002	ug/l	94
65) Chlorobenzene	11.660	112	336306	47.661	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.727	131	113007	48.645	ug/l	97
67) Ethyl Benzene	11.733	91	578700	50.056	ug/l	97
68) m/p-Xylenes	11.837	106	438658	98.587	ug/l	99
69) o-Xylene	12.166	106	203749	48.411	ug/l	98
70) Styrene	12.178	104	376169	50.703	ug/l	98
71) Bromoform	12.349	173	65907	47.767	ug/l #	95
73) Isopropylbenzene	12.459	105	540087	51.070	ug/l	100
74) N-amyl acetate	12.270	43	157169	51.189	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.715	83	130682	51.997	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	93757m	48.076	ug/l	
77) Bromobenzene	12.745	156	134608	49.914	ug/l	96
78) n-propylbenzene	12.800	91	659971	51.402	ug/l	98
79) 2-Chlorotoluene	12.891	91	393642	50.137	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	466614	52.114	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	39143	54.042	ug/l	99
82) 4-Chlorotoluene	12.989	91	413590	49.213	ug/l	99
83) tert-Butylbenzene	13.202	119	395186	52.054	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	466798	50.392	ug/l	99
85) sec-Butylbenzene	13.379	105	590158	52.065	ug/l	98
86) p-Isopropyltoluene	13.495	119	489978	50.831	ug/l	99
87) 1,3-Dichlorobenzene	13.501	146	262088	48.267	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	257264	47.267	ug/l	98
89) n-Butylbenzene	13.818	91	479368	52.162	ug/l	98
90) Hexachloroethane	14.092	117	88896	50.418	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	245797	51.127	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.477	75	23475	52.872	ug/l	92
93) 1,2,4-Trichlorobenzene	15.129	180	143885	46.844	ug/l	98
94) Hexachlorobutadiene	15.226	225	65460	42.971	ug/l	96
95) Naphthalene	15.361	128	358865	51.625	ug/l	99
96) 1,2,3-Trichlorobenzene	15.550	180	136040	47.624	ug/l	97

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

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