

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032146.D
 Acq On : 26 Aug 2025 13:55
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082625

Quant Time: Aug 27 04:20:10 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
 Supervised By :Semsettin Yesilyurt 08/27/2025

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	236475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	392388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	355176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	185134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	142013	41.992	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	83.980%		
35) Dibromofluoromethane	7.898	113	119103	43.264	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	86.520%		
50) Toluene-d8	10.325	98	439822	45.510	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	91.020%		
62) 4-Bromofluorobenzene	12.617	95	160725	44.975	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	89.940%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	71027	45.493	ug/l	94
3) Chloromethane	2.253	50	74645	45.600	ug/l	97
4) Vinyl Chloride	2.405	62	98427	46.293	ug/l	94
5) Bromomethane	2.820	94	83324	43.886	ug/l	98
6) Chloroethane	2.966	64	67597	45.145	ug/l	98
7) Trichlorofluoromethane	3.308	101	95752	45.452	ug/l	97
8) Diethyl Ether	3.716	74	69352	44.114	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	116342	49.024	ug/l	97
10) Methyl Iodide	4.313	142	167339	46.309	ug/l	100
11) Tert butyl alcohol	5.216	59	46191	223.294	ug/l	98
12) 1,1-Dichloroethene	4.076	96	121250	48.515	ug/l	93
13) Acrolein	3.929	56	64957	204.279	ug/l	98
14) Allyl chloride	4.704	41	174391	49.124	ug/l	99
15) Acrylonitrile	5.405	53	178789	233.915	ug/l	98
16) Acetone	4.161	43	191131	260.957	ug/l	100
17) Carbon Disulfide	4.423	76	304371	48.692	ug/l	100
18) Methyl Acetate	4.704	43	106336	45.567	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	228547	48.426	ug/l	99
20) Methylene Chloride	4.948	84	142919	47.403	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	133792	47.921	ug/l	90
22) Diisopropyl ether	6.344	45	378823	49.029	ug/l	96
23) Vinyl Acetate	6.283	43	1286517	244.903	ug/l	99
24) 1,1-Dichloroethane	6.240	63	233811	46.223	ug/l	99
25) 2-Butanone	7.191	43	258276	248.853	ug/l	97
26) 2,2-Dichloropropane	7.185	77	137122	51.190	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	160482	47.237	ug/l	99
28) Bromochloromethane	7.532	49	103711	44.789	ug/l	100
29) Tetrahydrofuran	7.551	42	152131	230.667	ug/l	100
30) Chloroform	7.691	83	272139	47.122	ug/l	99
31) Cyclohexane	7.965	56	193679	46.650	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	205549	48.756	ug/l	99
36) 1,1-Dichloropropene	8.093	75	179756	50.360	ug/l	98
37) Ethyl Acetate	7.270	43	103297	48.241	ug/l	98
38) Carbon Tetrachloride	8.081	117	195403	51.066	ug/l	99
39) Methylcyclohexane	9.343	83	230384	54.492	ug/l	99
40) Benzene	8.331	78	545356	49.427	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	59390	49.922	ug/l	93
42) 1,2-Dichloroethane	8.410	62	185296	48.444	ug/l	100
43) Isopropyl Acetate	8.435	43	195050	48.555	ug/l	99
44) Trichloroethene	9.099	130	139951	50.438	ug/l	95
45) 1,2-Dichloropropane	9.374	63	127962	48.110	ug/l	99
46) Dibromomethane	9.465	93	88183	47.269	ug/l	97
47) Bromodichloromethane	9.648	83	205595	48.496	ug/l	96
48) Methyl methacrylate	9.441	41	91140	49.232	ug/l	96
49) 1,4-Dioxane	9.465	88	23894	1060.060	ug/l	98
51) 4-Methyl-2-Pentanone	10.209	43	558035	246.021	ug/l	99
52) Toluene	10.392	92	351771	48.788	ug/l	97
53) t-1,3-Dichloropropene	10.605	75	192451	51.459	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	213648	50.066	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	111445	45.940	ug/l	95
56) Ethyl methacrylate	10.648	69	159388	51.392	ug/l	98
57) 1,3-Dichloropropane	10.934	76	197423	48.602	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	385600	232.934	ug/l	98
59) 2-Hexanone	10.965	43	408079	258.687	ug/l	99
60) Dibromochloromethane	11.129	129	144311	49.161	ug/l	98
61) 1,2-Dibromoethane	11.233	107	115042	48.223	ug/l	100
64) Tetrachloroethene	10.861	164	122798	52.531	ug/l	93
65) Chlorobenzene	11.660	112	392099	48.501	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	134657	50.593	ug/l	100
67) Ethyl Benzene	11.727	91	705560	53.267	ug/l	99
68) m/p-Xylenes	11.837	106	534982	104.945	ug/l	99
69) o-Xylene	12.166	106	257061	53.311	ug/l	95
70) Styrene	12.178	104	445155	52.371	ug/l	98
71) Bromoform	12.349	173	79989	50.601	ug/l #	97
73) Isopropylbenzene	12.464	105	650395	51.711	ug/l	98
74) N-amyl acetate	12.269	43	182802	50.061	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	140426	46.980	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	121030m	52.182	ug/l	
77) Bromobenzene	12.745	156	159112	49.609	ug/l	99
78) n-propylbenzene	12.800	91	801192	52.469	ug/l	99
79) 2-Chlorotoluene	12.891	91	473888	50.751	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	565093	53.066	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	44983	52.219	ug/l	93
82) 4-Chlorotoluene	12.989	91	495627	49.587	ug/l	97
83) tert-Butylbenzene	13.202	119	483165	53.512	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	571607	51.884	ug/l	99
85) sec-Butylbenzene	13.379	105	715657	53.088	ug/l	99
86) p-Isopropyltoluene	13.495	119	604413	52.722	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	316514	49.012	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	309536	47.819	ug/l	95
89) n-Butylbenzene	13.818	91	583819	53.415	ug/l	100
90) Hexachloroethane	14.086	117	106416	50.748	ug/l	92
91) 1,2-Dichlorobenzene	13.867	146	273088	47.762	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	25127	47.585	ug/l	98
93) 1,2,4-Trichlorobenzene	15.129	180	178389	48.833	ug/l	98
94) Hexachlorobutadiene	15.226	225	84151	46.448	ug/l	90
95) Naphthalene	15.360	128	431564	52.201	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	171251	50.408	ug/l	99

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

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