

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
 Data File : VW031898.D
 Acq On : 22 Jul 2025 14:47
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072225

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/24/2025
 Supervised By : Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:20:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.953	168	226226	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	417980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	364156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	154942	45.275	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	90.560%		
35) Dibromofluoromethane	7.898	113	131485	46.294	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	92.580%		
50) Toluene-d8	10.325	98	495878	46.131	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	92.260%		
62) 4-Bromofluorobenzene	12.617	95	188746	45.728	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	91.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	79412	47.231	ug/l	97
3) Chloromethane	2.253	50	104231	48.299	ug/l	96
4) Vinyl Chloride	2.405	62	136473	48.682	ug/l	99
5) Bromomethane	2.826	94	98945	47.931	ug/l	99
6) Chloroethane	2.972	64	89035	48.122	ug/l	98
7) Trichlorofluoromethane	3.308	101	134264	47.287	ug/l	100
8) Diethyl Ether	3.722	74	88950	46.898	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	131248	48.057	ug/l	99
10) Methyl Iodide	4.314	142	194455	47.621	ug/l	100
11) Tert butyl alcohol	5.216	59	55051	273.664	ug/l	100
12) 1,1-Dichloroethene	4.076	96	146332	48.510	ug/l	98
13) Acrolein	3.929	56	66037	243.737	ug/l	99
14) Allyl chloride	4.704	41	227478	48.442	ug/l	99
15) Acrylonitrile	5.405	53	213745	252.071	ug/l	99
16) Acetone	4.161	43	212311	261.441	ug/l	99
17) Carbon Disulfide	4.417	76	383835	49.063	ug/l	97
18) Methyl Acetate	4.710	43	116092	51.889	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	262205	50.308	ug/l	97
20) Methylene Chloride	4.948	84	170521	49.004	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	154329	48.220	ug/l	98
22) Diisopropyl ether	6.338	45	458677	48.814	ug/l	96
23) Vinyl Acetate	6.277	43	1580961	257.536	ug/l	98
24) 1,1-Dichloroethane	6.246	63	285778	48.848	ug/l	99
25) 2-Butanone	7.191	43	295784	266.207	ug/l	98
26) 2,2-Dichloropropane	7.185	77	159426	48.135	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	183416	48.747	ug/l	97
28) Bromochloromethane	7.526	49	120307	49.115	ug/l	98
29) Tetrahydrofuran	7.551	42	189833	260.591	ug/l	99
30) Chloroform	7.691	83	305201	49.755	ug/l	99
31) Cyclohexane	7.971	56	246141	46.897	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	227258	48.687	ug/l	99
36) 1,1-Dichloropropene	8.093	75	216329	49.596	ug/l	98
37) Ethyl Acetate	7.270	43	126677	50.911	ug/l	99
38) Carbon Tetrachloride	8.087	117	205709	49.141	ug/l	96
39) Methylcyclohexane	9.343	83	279446	50.909	ug/l	96
40) Benzene	8.331	78	638121	49.422	ug/l	99

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41) Methacrylonitrile	7.502	41	73360	49.252	ug/l	95
42) 1,2-Dichloroethane	8.410	62	203485	49.242	ug/l	100
43) Isopropyl Acetate	8.435	43	233100	51.748	ug/l	100
44) Trichloroethene	9.099	130	150370	48.996	ug/l	97
45) 1,2-Dichloropropane	9.374	63	151921	48.855	ug/l	97
46) Dibromomethane	9.465	93	96302	49.959	ug/l	97
47) Bromodichloromethane	9.648	83	233260	50.465	ug/l	99
48) Methyl methacrylate	9.441	41	111759	52.150	ug/l	99
49) 1,4-Dioxane	9.465	88	20081	1044.021	ug/l #	81
51) 4-Methyl-2-Pentanone	10.209	43	646271	262.159	ug/l	100
52) Toluene	10.392	92	411023	49.520	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	227133	51.226	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	256794	50.715	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	128088	50.025	ug/l	91
56) Ethyl methacrylate	10.648	69	190747	52.748	ug/l	99
57) 1,3-Dichloropropane	10.934	76	226448	50.201	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	495366	266.689	ug/l	98
59) 2-Hexanone	10.965	43	463102	270.260	ug/l	100
60) Dibromochloromethane	11.129	129	148718	49.816	ug/l	99
61) 1,2-Dibromoethane	11.233	107	125012	49.410	ug/l	97
64) Tetrachloroethene	10.867	164	116825	48.658	ug/l	92
65) Chlorobenzene	11.660	112	424231	47.600	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	143748	52.026	ug/l	97
67) Ethyl Benzene	11.733	91	772618	49.339	ug/l	98
68) m/p-Xylenes	11.837	106	582795	98.862	ug/l	98
69) o-Xylene	12.166	106	286822	51.412	ug/l	98
70) Styrene	12.178	104	477401	50.260	ug/l	98
71) Bromoform	12.343	173	78568	51.994	ug/l #	97
73) Isopropylbenzene	12.458	105	737512	49.484	ug/l	100
74) N-amyl acetate	12.269	43	211747	52.553	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	157475	49.778	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	112806m	47.566	ug/l	
77) Bromobenzene	12.745	156	160635	49.814	ug/l	94
78) n-propylbenzene	12.800	91	901700	49.260	ug/l	99
79) 2-Chlorotoluene	12.891	91	535719	49.018	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	626726	50.139	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	53527	52.109	ug/l	98
82) 4-Chlorotoluene	12.983	91	560575	48.892	ug/l	99
83) tert-Butylbenzene	13.202	119	530770	49.850	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	621802	49.148	ug/l	99
85) sec-Butylbenzene	13.379	105	802831	50.210	ug/l	100
86) p-Isopropyltoluene	13.489	119	664260	50.261	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	316200	47.106	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	320113	48.681	ug/l	98
89) n-Butylbenzene	13.818	91	638513	49.250	ug/l	98
90) Hexachloroethane	14.086	117	113450	49.643	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	286039	48.082	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	28523	49.905	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	177038	49.346	ug/l	93
94) Hexachlorobutadiene	15.232	225	78966	46.450	ug/l	92
95) Naphthalene	15.360	128	462913	52.482	ug/l	98
96) 1,2,3-Trichlorobenzene	15.543	180	164194	50.512	ug/l	96

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

