

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091725\
 Data File : VW032182.D
 Acq On : 17 Sep 2025 12:03
 Operator : SY/MD
 Sample : VW0917SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0917SBS01

Quant Time: Sep 18 04:31:55 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 09/18/2025
 Supervised By :Semsettin Yesilyurt 09/18/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	199749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	340394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	321402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	164787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	151509	53.037	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 106.080%			
35) Dibromofluoromethane	7.898	113	121396	50.832	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 101.660%			
50) Toluene-d8	10.325	98	431424	51.460	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.920%			
62) 4-Bromofluorobenzene	12.617	95	159093	51.318	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 102.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	31137	23.610	ug/l	100
3) Chloromethane	2.253	50	35272	25.509	ug/l	98
4) Vinyl Chloride	2.399	62	46250	25.752	ug/l	99
5) Bromomethane	2.820	94	39419	24.579	ug/l	99
6) Chloroethane	2.966	64	31798	25.141	ug/l	97
7) Trichlorofluoromethane	3.301	101	37076	20.835	ug/l	98
8) Diethyl Ether	3.716	74	33369	25.128	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.100	101	49158	24.523	ug/l	97
10) Methyl Iodide	4.307	142	59937	19.637	ug/l	96
11) Tert butyl alcohol	5.216	59	17730	101.468	ug/l	98
12) 1,1-Dichloroethene	4.076	96	51197	24.251	ug/l	94
13) Acrolein	3.929	56	20141	74.986	ug/l	90
14) Allyl chloride	4.704	41	60406	20.144	ug/l	91
15) Acrylonitrile	5.405	53	70177	108.696	ug/l	98
16) Acetone	4.155	43	113213	182.993	ug/l	95
17) Carbon Disulfide	4.417	76	109640	20.765	ug/l	99
18) Methyl Acetate	4.710	43	40010	20.297	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	84832	21.280	ug/l	100
20) Methylene Chloride	4.954	84	62702	22.250	ug/l	97
21) trans-1,2-Dichloroethene	5.453	96	47851	20.290	ug/l	97
22) Diisopropyl ether	6.337	45	141973	21.753	ug/l	94
23) Vinyl Acetate	6.283	43	493311	111.173	ug/l	99
24) 1,1-Dichloroethane	6.240	63	90934	21.283	ug/l	99
25) 2-Butanone	7.191	43	111608	127.308	ug/l	97
26) 2,2-Dichloropropane	7.185	77	51562	22.788	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	59384	20.693	ug/l	98
28) Bromochloromethane	7.532	49	43332	22.154	ug/l	88
29) Tetrahydrofuran	7.551	42	60941	109.390	ug/l	98
30) Chloroform	7.691	83	104099	21.339	ug/l	99
31) Cyclohexane	7.965	56	74034	21.111	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	75802	21.286	ug/l	98
36) 1,1-Dichloropropene	8.093	75	66298	21.411	ug/l	99
37) Ethyl Acetate	7.270	43	43081	23.193	ug/l	99
38) Carbon Tetrachloride	8.081	117	70762	21.317	ug/l	95
39) Methylcyclohexane	9.343	83	75819	20.673	ug/l	97
40) Benzene	8.337	78	201186	21.019	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	22244	21.554	ug/l	95
42) 1,2-Dichloroethane	8.410	62	73607	22.183	ug/l	99
43) Isopropyl Acetate	8.435	43	75511	21.669	ug/l	98
44) Trichloroethene	9.099	130	48414	20.113	ug/l	97
45) 1,2-Dichloropropane	9.373	63	50199	21.756	ug/l	99
46) Dibromomethane	9.465	93	34551	21.349	ug/l	97
47) Bromodichloromethane	9.648	83	77830	21.163	ug/l	95
48) Methyl methacrylate	9.441	41	33749	21.015	ug/l	99
49) 1,4-Dioxane	9.465	88	7742	395.939	ug/l #	72
51) 4-Methyl-2-Pentanone	10.215	43	224656	114.173	ug/l	97
52) Toluene	10.392	92	128995	20.623	ug/l	95
53) t-1,3-Dichloropropene	10.611	75	71358	21.995	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	79091	21.365	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	45191	21.474	ug/l	90
56) Ethyl methacrylate	10.648	69	56356	20.947	ug/l	98
57) 1,3-Dichloropropane	10.934	76	74893	21.254	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	147120	102.447	ug/l	100
59) 2-Hexanone	10.971	43	168102	122.839	ug/l	96
60) Dibromochloromethane	11.129	129	53674	21.078	ug/l	97
61) 1,2-Dibromoethane	11.233	107	43147	20.849	ug/l	99
64) Tetrachloroethene	10.861	164	42814	20.240	ug/l	94
65) Chlorobenzene	11.660	112	148205	20.259	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	48497	20.136	ug/l	99
67) Ethyl Benzene	11.733	91	248126	20.701	ug/l	96
68) m/p-Xylenes	11.836	106	182739	39.614	ug/l	94
69) o-Xylene	12.166	106	86431	19.808	ug/l	98
70) Styrene	12.178	104	156142	20.300	ug/l	99
71) Bromoform	12.349	173	29385	20.542	ug/l #	99
73) Isopropylbenzene	12.464	105	219284	19.588	ug/l	97
74) N-amyl acetate	12.269	43	69558	21.401	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	56536	21.250	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	42622m	20.646	ug/l	
77) Bromobenzene	12.745	156	57830	20.257	ug/l	96
78) n-propylbenzene	12.800	91	284978	20.967	ug/l	99
79) 2-Chlorotoluene	12.891	91	171606	20.647	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	193289	20.393	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	16274	21.225	ug/l	94
82) 4-Chlorotoluene	12.989	91	182320	20.493	ug/l	98
83) tert-Butylbenzene	13.202	119	162725	20.248	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	198363	20.228	ug/l	98
85) sec-Butylbenzene	13.379	105	247124	20.595	ug/l	98
86) p-Isopropyltoluene	13.495	119	210194	20.599	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	115501	20.094	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	116558	20.230	ug/l	98
89) n-Butylbenzene	13.818	91	198034	20.356	ug/l	97
90) Hexachloroethane	14.086	117	38062	20.392	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	107681	21.159	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10035	21.350	ug/l	92
93) 1,2,4-Trichlorobenzene	15.129	180	65581	20.169	ug/l	96
94) Hexachlorobutadiene	15.226	225	29279	18.156	ug/l	94
95) Naphthalene	15.360	128	143190	19.459	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	58260	19.266	ug/l	96

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

