

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092225\
 Data File : VW032225.D
 Acq On : 22 Sep 2025 11:13
 Operator : SY/MD
 Sample : VW0922SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0922SBS01

Quant Time: Sep 23 10:29:44 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	187927	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	311645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	278316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	149741	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	133390	49.632	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	99.260%
35) Dibromofluoromethane	7.898	113	112847	51.611	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	103.220%
50) Toluene-d8	10.324	98	388258	50.583	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	101.160%
62) 4-Bromofluorobenzene	12.617	95	140259	49.416	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	98.840%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.039	85	28449	22.929	ug/l	99
3) Chloromethane	2.253	50	30897	23.751	ug/l	98
4) Vinyl Chloride	2.405	62	44803	26.516	ug/l	99
5) Bromomethane	2.820	94	36439	24.150	ug/l	99
6) Chloroethane	2.972	64	31263	26.273	ug/l	99
7) Trichlorofluoromethane	3.301	101	32781	19.581	ug/l	85
8) Diethyl Ether	3.722	74	26577	21.273	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	44105	23.386	ug/l	97
10) Methyl Iodide	4.301	142	66325	23.096	ug/l	99
11) Tert butyl alcohol	5.203	59	16844	102.461	ug/l	97
12) 1,1-Dichloroethene	4.076	96	45112	22.713	ug/l	93
13) Acrolein	3.923	56	12309	48.710	ug/l	94
14) Allyl chloride	4.704	41	60707	21.518	ug/l	99
15) Acrylonitrile	5.405	53	65654	108.087	ug/l	98
16) Acetone	4.155	43	74094	127.297	ug/l	98
17) Carbon Disulfide	4.411	76	105274	21.192	ug/l	100
18) Methyl Acetate	4.704	43	40173	21.662	ug/l	97
19) Methyl tert-butyl Ether	5.466	73	82113	21.893	ug/l	99
20) Methylene Chloride	4.947	84	55706	20.770	ug/l	97
21) trans-1,2-Dichloroethene	5.459	96	48578	21.894	ug/l	94
22) Diisopropyl ether	6.337	45	135065	21.997	ug/l	96
23) Vinyl Acetate	6.276	43	445676	106.756	ug/l	99
24) 1,1-Dichloroethane	6.246	63	88010	21.894	ug/l	99
25) 2-Butanone	7.191	43	95300	115.544	ug/l	98
26) 2,2-Dichloropropane	7.185	77	48154	22.621	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	58029	21.493	ug/l	99
28) Bromochloromethane	7.526	49	40232	21.863	ug/l	98
29) Tetrahydrofuran	7.544	42	56754	108.283	ug/l	99
30) Chloroform	7.691	83	100842	21.972	ug/l	98
31) Cyclohexane	7.965	56	68291	20.698	ug/l	94
32) 1,1,1-Trichloroethane	7.886	97	72198	21.549	ug/l	99
36) 1,1-Dichloropropene	8.093	75	63738	22.483	ug/l	97
37) Ethyl Acetate	7.276	43	38274	22.505	ug/l	98
38) Carbon Tetrachloride	8.081	117	70220	23.106	ug/l	93
39) Methylcyclohexane	9.343	83	72720	21.657	ug/l	98
40) Benzene	8.337	78	203724	23.248	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	21852	23.127	ug/l #	89
42) 1,2-Dichloroethane	8.410	62	69217	22.785	ug/l	97
43) Isopropyl Acetate	8.435	43	68648	21.517	ug/l	99
44) Trichloroethene	9.099	130	51023	23.153	ug/l	88
45) 1,2-Dichloropropane	9.373	63	47745	22.601	ug/l	99
46) Dibromomethane	9.465	93	34979	23.608	ug/l	94
47) Bromodichloromethane	9.648	83	74758	22.203	ug/l	93
48) Methyl methacrylate	9.440	41	31189	21.213	ug/l	95
49) 1,4-Dioxane	9.459	88	7828	437.268	ug/l #	81
51) 4-Methyl-2-Pentanone	10.215	43	207549	115.209	ug/l	98
52) Toluene	10.392	92	125831	21.973	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	63823	21.487	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	75920	22.400	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	42163	21.883	ug/l	96
56) Ethyl methacrylate	10.648	69	50570	20.530	ug/l	99
57) 1,3-Dichloropropane	10.934	76	71180	22.063	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	142908	108.695	ug/l	99
59) 2-Hexanone	10.971	43	146967	117.302	ug/l	96
60) Dibromochloromethane	11.129	129	50939	21.849	ug/l	99
61) 1,2-Dibromoethane	11.239	107	41797	22.060	ug/l	99
64) Tetrachloroethene	10.867	164	41068	22.420	ug/l	94
65) Chlorobenzene	11.660	112	142211	22.449	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	45715	21.919	ug/l	94
67) Ethyl Benzene	11.727	91	234526	22.596	ug/l	96
68) m/p-Xylenes	11.836	106	181059	45.326	ug/l	98
69) o-Xylene	12.166	106	82569	21.853	ug/l	98
70) Styrene	12.178	104	152436	22.886	ug/l	99
71) Bromoform	12.348	173	26276	21.212	ug/l #	99
73) Isopropylbenzene	12.464	105	213428	20.980	ug/l	100
74) N-amyl acetate	12.269	43	62428	21.137	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.708	83	55501	22.957	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	39564m	21.090	ug/l	
77) Bromobenzene	12.745	156	55551	21.414	ug/l	99
78) n-propylbenzene	12.800	91	274564	22.231	ug/l	97
79) 2-Chlorotoluene	12.891	91	162879	21.566	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	190145	22.077	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	14759	21.183	ug/l	99
82) 4-Chlorotoluene	12.989	91	173833	21.503	ug/l	100
83) tert-Butylbenzene	13.202	119	159402	21.827	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	191894	21.535	ug/l	99
85) sec-Butylbenzene	13.379	105	233605	21.425	ug/l	98
86) p-Isopropyltoluene	13.495	119	196140	21.153	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	114203	21.864	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	112551	21.497	ug/l	98
89) n-Butylbenzene	13.818	91	188875	21.365	ug/l	97
90) Hexachloroethane	14.086	117	35948	21.195	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	103752	22.435	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	9189	21.515	ug/l	93
93) 1,2,4-Trichlorobenzene	15.128	180	57017	19.297	ug/l	99
94) Hexachlorobutadiene	15.226	225	27502	18.768	ug/l	93
95) Naphthalene	15.360	128	132654	19.838	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	53332	19.409	ug/l	96

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

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