

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092225\
 Data File : VW032226.D
 Acq On : 22 Sep 2025 11:35
 Operator : SY/MD
 Sample : VW0922SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0922SBSD01

Quant Time: Sep 23 06:04:49 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	7.965	168	177120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	322196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	306484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	154747	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	139607	55.114	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 110.220%	
35) Dibromofluoromethane	7.898	113	115821	51.237	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 102.480%	
50) Toluene-d8	10.325	98	401258	50.565	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 101.140%	
62) 4-Bromofluorobenzene	12.617	95	146944	50.076	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 100.160%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	27907	23.865	ug/l	93
3) Chloromethane	2.259	50	31815	25.949	ug/l	98
4) Vinyl Chloride	2.405	62	45061	28.296	ug/l	95
5) Bromomethane	2.820	94	38040	26.749	ug/l	89
6) Chloroethane	2.972	64	30933	27.582	ug/l	93
7) Trichlorofluoromethane	3.308	101	43370	27.486	ug/l	99
8) Diethyl Ether	3.722	74	32275	27.410	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.100	101	48104	27.063	ug/l	94
10) Methyl Iodide	4.307	142	62344	23.035	ug/l	99
11) Tert butyl alcohol	5.222	59	17570	113.399	ug/l	98
12) 1,1-Dichloroethene	4.076	96	49696	26.548	ug/l	96
13) Acrolein	3.935	56	15144	63.585	ug/l	99
14) Allyl chloride	4.704	41	63722	23.965	ug/l	99
15) Acrylonitrile	5.405	53	69200	120.876	ug/l	99
16) Acetone	4.155	43	81608	148.761	ug/l	97
17) Carbon Disulfide	4.417	76	106257	22.695	ug/l	100
18) Methyl Acetate	4.710	43	40780	23.331	ug/l	99
19) Methyl tert-butyl Ether	5.472	73	83068	23.499	ug/l	93
20) Methylene Chloride	4.960	84	54458	21.704	ug/l	99
21) trans-1,2-Dichloroethene	5.466	96	48734	23.305	ug/l	91
22) Diisopropyl ether	6.344	45	141753	24.494	ug/l	96
23) Vinyl Acetate	6.283	43	469030	119.206	ug/l	100
24) 1,1-Dichloroethane	6.246	63	88943	23.476	ug/l	98
25) 2-Butanone	7.197	43	93946	120.852	ug/l	99
26) 2,2-Dichloropropane	7.185	77	50125	24.983	ug/l	99
27) cis-1,2-Dichloroethene	7.197	96	57797	22.713	ug/l	99
28) Bromochloromethane	7.526	49	39888	22.999	ug/l #	9
29) Tetrahydrofuran	7.557	42	60230	121.927	ug/l	97
30) Chloroform	7.697	83	104289	24.110	ug/l	93
31) Cyclohexane	7.971	56	70330	22.617	ug/l	96
32) 1,1,1-Trichloroethane	7.892	97	76005	24.070	ug/l	99
36) 1,1-Dichloropropene	8.099	75	64409	21.976	ug/l	98
37) Ethyl Acetate	7.276	43	41137	23.397	ug/l	99
38) Carbon Tetrachloride	8.081	117	69507	22.122	ug/l	96
39) Methylcyclohexane	9.343	83	71999	20.740	ug/l	97
40) Benzene	8.337	78	202023	22.299	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	23246	23.797	ug/l	88
42) 1,2-Dichloroethane	8.410	62	69921	22.263	ug/l	99
43) Isopropyl Acetate	8.435	43	71546	21.691	ug/l	97
44) Trichloroethene	9.105	130	49110	21.555	ug/l	92
45) 1,2-Dichloropropane	9.380	63	48815	22.351	ug/l	99
46) Dibromomethane	9.465	93	33827	22.083	ug/l	97
47) Bromodichloromethane	9.648	83	76978	22.113	ug/l	100
48) Methyl methacrylate	9.441	41	33753	22.205	ug/l	99
49) 1,4-Dioxane	9.465	88	8218	444.021	ug/l #	78
51) 4-Methyl-2-Pentanone	10.215	43	216926	116.471	ug/l	97
52) Toluene	10.392	92	128377	21.684	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	66154	21.542	ug/l	95
54) cis-1,3-Dichloropropene	10.075	75	74425	21.240	ug/l	92
55) 1,1,2-Trichloroethane	10.788	97	45123	22.653	ug/l	92
56) Ethyl methacrylate	10.648	69	53338	20.945	ug/l	97
57) 1,3-Dichloropropane	10.934	76	72368	21.697	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	138292	101.739	ug/l	99
59) 2-Hexanone	10.971	43	151466	116.934	ug/l	96
60) Dibromochloromethane	11.129	129	53060	22.013	ug/l	97
61) 1,2-Dibromoethane	11.239	107	43667	22.292	ug/l	100
64) Tetrachloroethene	10.867	164	42251	20.946	ug/l	96
65) Chlorobenzene	11.660	112	145691	20.885	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.727	131	48651	21.183	ug/l	99
67) Ethyl Benzene	11.733	91	239230	20.930	ug/l	99
68) m/p-Xylenes	11.836	106	184338	41.906	ug/l	98
69) o-Xylene	12.166	106	86485	20.785	ug/l	99
70) Styrene	12.178	104	152860	20.840	ug/l	99
71) Bromoform	12.349	173	28312	20.755	ug/l #	99
73) Isopropylbenzene	12.464	105	221051	21.026	ug/l	99
74) N-amyl acetate	12.269	43	65832	21.568	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	55214	22.100	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	43374m	22.373	ug/l	
77) Bromobenzene	12.745	156	56367	21.025	ug/l	96
78) n-propylbenzene	12.800	91	276019	21.626	ug/l	98
79) 2-Chlorotoluene	12.891	91	165489	21.203	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	192350	21.610	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	14905	20.700	ug/l	97
82) 4-Chlorotoluene	12.989	91	175283	20.981	ug/l	99
83) tert-Butylbenzene	13.202	119	154463	20.467	ug/l	93
84) 1,2,4-Trimethylbenzene	13.245	105	200407	21.763	ug/l	99
85) sec-Butylbenzene	13.379	105	242262	21.500	ug/l	97
86) p-Isopropyltoluene	13.495	119	209040	21.815	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	113161	20.964	ug/l	97
88) 1,4-Dichlorobenzene	13.580	146	114260	21.118	ug/l	99
89) n-Butylbenzene	13.818	91	192055	21.022	ug/l	98
90) Hexachloroethane	14.092	117	38124	21.751	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	105637	22.104	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.482	75	10358	23.467	ug/l	82
93) 1,2,4-Trichlorobenzene	15.129	180	60528	19.823	ug/l	98
94) Hexachlorobutadiene	15.226	225	27510	18.166	ug/l	87
95) Naphthalene	15.360	128	141058	20.412	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	58023	20.433	ug/l	97

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

