

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092325\
 Data File : VW032237.D
 Acq On : 23 Sep 2025 12:05
 Operator : SY/MD
 Sample : VW0923SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
 Supervised By :Semsettin Yesilyurt 09/26/2025

Quant Time: Sep 24 03:46:29 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	179711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	326020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	307968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	157299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	138429	53.861	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 107.720%			
35) Dibromofluoromethane	7.898	113	113647	49.685	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 99.380%			
50) Toluene-d8	10.331	98	395884	49.303	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 98.600%			
62) 4-Bromofluorobenzene	12.617	95	146370	49.296	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 98.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	26178	22.063	ug/l	99
3) Chloromethane	2.259	50	30667	24.652	ug/l	98
4) Vinyl Chloride	2.405	62	40493	25.061	ug/l	99
5) Bromomethane	2.820	94	35415	24.544	ug/l	91
6) Chloroethane	2.966	64	30366	26.686	ug/l	97
7) Trichlorofluoromethane	3.308	101	42464	26.524	ug/l	96
8) Diethyl Ether	3.722	74	28177	23.584	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	46853	25.979	ug/l	97
10) Methyl Iodide	4.314	142	58726	21.385	ug/l	98
11) Tert butyl alcohol	5.216	59	18001	114.505	ug/l #	87
12) 1,1-Dichloroethene	4.082	96	48498	25.534	ug/l	97
13) Acrolein	3.930	56	10963	45.367	ug/l	95
14) Allyl chloride	4.704	41	59160	21.928	ug/l	96
15) Acrylonitrile	5.399	53	64765	111.498	ug/l	99
16) Acetone	4.161	43	92883	166.873	ug/l	100
17) Carbon Disulfide	4.423	76	100066	21.065	ug/l	98
18) Methyl Acetate	4.716	43	36830	20.767	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	79858	22.266	ug/l	98
20) Methylene Chloride	4.954	84	56202	22.151	ug/l	98
21) trans-1,2-Dichloroethene	5.466	96	46852	22.082	ug/l	82
22) Diisopropyl ether	6.344	45	133387	22.716	ug/l	94
23) Vinyl Acetate	6.289	43	461446	115.587	ug/l	99
24) 1,1-Dichloroethane	6.246	63	85951	22.359	ug/l	99
25) 2-Butanone	7.197	43	97651	123.807	ug/l	98
26) 2,2-Dichloropropane	7.185	77	47711	23.437	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	56246	21.785	ug/l	98
28) Bromochloromethane	7.533	49	40380	22.947	ug/l	100
29) Tetrahydrofuran	7.557	42	58260	116.238	ug/l	97
30) Chloroform	7.697	83	99974	22.779	ug/l	95
31) Cyclohexane	7.972	56	68272	21.638	ug/l	95
32) 1,1,1-Trichloroethane	7.892	97	72098	22.503	ug/l	98
36) 1,1-Dichloropropene	8.093	75	62435	21.052	ug/l	98
37) Ethyl Acetate	7.277	43	38044	21.384	ug/l	97
38) Carbon Tetrachloride	8.087	117	66608	20.951	ug/l	96
39) Methylcyclohexane	9.343	83	69368	19.748	ug/l	97
40) Benzene	8.337	78	193100	21.064	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	19067	19.290	ug/l	96
42) 1,2-Dichloroethane	8.417	62	69988	22.023	ug/l	100
43) Isopropyl Acetate	8.441	43	71552	21.438	ug/l	100
44) Trichloroethene	9.105	130	47075	20.419	ug/l	92
45) 1,2-Dichloropropane	9.374	63	48801	22.083	ug/l	98
46) Dibromomethane	9.465	93	33304	21.486	ug/l	95
47) Bromodichloromethane	9.654	83	74602	21.179	ug/l	100
48) Methyl methacrylate	9.447	41	31824	20.690	ug/l	95
49) 1,4-Dioxane	9.465	88	7608	406.241	ug/l #	82
51) 4-Methyl-2-Pentanone	10.215	43	209548	111.190	ug/l	98
52) Toluene	10.392	92	125535	20.955	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	65367	21.036	ug/l	92
54) cis-1,3-Dichloropropene	10.081	75	74243	20.940	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	42948	21.308	ug/l	94
56) Ethyl methacrylate	10.648	69	51676	20.054	ug/l	97
57) 1,3-Dichloropropane	10.934	76	71980	21.328	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	144602	105.134	ug/l	99
59) 2-Hexanone	10.971	43	153440	117.068	ug/l	96
60) Dibromochloromethane	11.130	129	48771	19.997	ug/l	98
61) 1,2-Dibromoethane	11.233	107	42630	21.507	ug/l	99
64) Tetrachloroethene	10.867	164	40070	19.769	ug/l	90
65) Chlorobenzene	11.660	112	143552	20.479	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	46601	20.193	ug/l	97
67) Ethyl Benzene	11.733	91	232445	20.239	ug/l	99
68) m/p-Xylenes	11.837	106	180384	40.809	ug/l	97
69) o-Xylene	12.166	106	83041	19.861	ug/l	99
70) Styrene	12.178	104	151269	20.524	ug/l	99
71) Bromoform	12.349	173	26725	19.498	ug/l #	99
73) Isopropylbenzene	12.465	105	218579	20.454	ug/l	99
74) N-amyl acetate	12.270	43	64510	20.792	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.715	83	55460	21.838	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	41072m	20.842	ug/l	
77) Bromobenzene	12.745	156	55174	20.247	ug/l	95
78) n-propylbenzene	12.800	91	275518	21.236	ug/l	96
79) 2-Chlorotoluene	12.891	91	164621	20.750	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	187470	20.720	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	14689	20.069	ug/l	91
82) 4-Chlorotoluene	12.989	91	172761	20.343	ug/l	96
83) tert-Butylbenzene	13.202	119	160199	20.882	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	190741	20.377	ug/l	98
85) sec-Butylbenzene	13.379	105	238703	20.840	ug/l	99
86) p-Isopropyltoluene	13.495	119	198120	20.340	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	112715	20.542	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	115479	20.997	ug/l	98
89) n-Butylbenzene	13.818	91	191928	20.667	ug/l	96
90) Hexachloroethane	14.086	117	35989	20.200	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	102171	21.032	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	9563	21.315	ug/l	91
93) 1,2,4-Trichlorobenzene	15.129	180	61953	19.961	ug/l	94
94) Hexachlorobutadiene	15.226	225	28912	18.782	ug/l	96
95) Naphthalene	15.360	128	140073	19.941	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	59103	20.476	ug/l	96

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

