

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032062.D
 Acq On : 11 Aug 2025 13:10
 Operator : SY/MD
 Sample : VW0811SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0811SBSD01

Quant Time: Aug 12 04:24:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
 Supervised By :Semsettin Yesilyurt 08/12/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	226773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	441696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	400240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	195548	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	163196	49.758	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	99.520%
35) Dibromofluoromethane	7.904	113	134207	47.032	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.060%
50) Toluene-d8	10.331	98	509734	48.296	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	96.600%
62) 4-Bromofluorobenzene	12.617	95	193625	49.782	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	99.560%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	33141	20.433	ug/l	95
3) Chloromethane	2.253	50	46903	21.468	ug/l	96
4) Vinyl Chloride	2.405	62	54316	20.553	ug/l	95
5) Bromomethane	2.820	94	41922	21.144	ug/l	99
6) Chloroethane	2.972	64	36568	20.911	ug/l	100
7) Trichlorofluoromethane	3.308	101	43905	20.739	ug/l	93
8) Diethyl Ether	3.722	74	36629	21.118	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	49478	19.810	ug/l	99
10) Methyl Iodide	4.307	142	73761	20.829	ug/l	98
11) Tert butyl alcohol	5.222	59	22637	106.589	ug/l	98
12) 1,1-Dichloroethene	4.076	96	55617	20.223	ug/l	92
13) Acrolein	3.929	56	36383	107.518	ug/l	99
14) Allyl chloride	4.698	41	83613	20.889	ug/l	99
15) Acrylonitrile	5.405	53	88342	106.933	ug/l	99
16) Acetone	4.155	43	82994	109.296	ug/l	99
17) Carbon Disulfide	4.423	76	147711	20.010	ug/l	98
18) Methyl Acetate	4.710	43	51758	21.540	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	105734	21.820	ug/l	96
20) Methylene Chloride	4.947	84	75897	21.617	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	59755	20.474	ug/l	93
22) Diisopropyl ether	6.337	45	181364	21.493	ug/l	92
23) Vinyl Acetate	6.283	43	596458	107.662	ug/l	99
24) 1,1-Dichloroethane	6.246	63	110715	20.536	ug/l	98
25) 2-Butanone	7.191	43	119355	110.592	ug/l	100
26) 2,2-Dichloropropane	7.191	77	57308	21.188	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	71058	20.829	ug/l	99
28) Bromochloromethane	7.532	49	49164	20.039	ug/l	99
29) Tetrahydrofuran	7.557	42	77560	108.972	ug/l	100
30) Chloroform	7.691	83	119914	20.980	ug/l	97
31) Cyclohexane	7.971	56	94081	20.129	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	84762	20.417	ug/l	98
36) 1,1-Dichloropropene	8.099	75	79280	19.708	ug/l	99
37) Ethyl Acetate	7.276	43	48057	20.284	ug/l	98
38) Carbon Tetrachloride	8.087	117	76962	19.825	ug/l	88
39) Methylcyclohexane	9.343	83	98634	20.117	ug/l	95
40) Benzene	8.337	78	252942	20.229	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	27124	20.188	ug/l	93
42) 1,2-Dichloroethane	8.416	62	83160	20.784	ug/l	99
43) Isopropyl Acetate	8.435	43	88890	20.393	ug/l	100
44) Trichloroethene	9.105	130	59840	20.095	ug/l	97
45) 1,2-Dichloropropane	9.373	63	60825	20.135	ug/l	95
46) Dibromomethane	9.465	93	39289	20.151	ug/l	98
47) Bromodichloromethane	9.654	83	89761	19.980	ug/l	96
48) Methyl methacrylate	9.441	41	43222	20.539	ug/l	99
49) 1,4-Dioxane	9.465	88	10586	419.936	ug/l	87
51) 4-Methyl-2-Pentanone	10.215	43	257970	104.852	ug/l	100
52) Toluene	10.392	92	161185	20.465	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	84143	19.991	ug/l	99
54) cis-1,3-Dichloropropene	10.081	75	97621	20.444	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	53687	20.722	ug/l	97
56) Ethyl methacrylate	10.648	69	72299	20.854	ug/l	97
57) 1,3-Dichloropropane	10.934	76	90595	20.061	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	192035	100.139	ug/l	99
59) 2-Hexanone	10.971	43	180946	106.193	ug/l	100
60) Dibromochloromethane	11.129	129	59430	20.081	ug/l	100
61) 1,2-Dibromoethane	11.233	107	52100	20.693	ug/l	99
64) Tetrachloroethene	10.867	164	47470	20.534	ug/l	91
65) Chlorobenzene	11.660	112	176392	20.247	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.733	131	54330	19.988	ug/l	96
67) Ethyl Benzene	11.727	91	302504	20.500	ug/l	97
68) m/p-Xylenes	11.836	106	231893	40.725	ug/l	96
69) o-Xylene	12.166	106	107543	20.434	ug/l	99
70) Styrene	12.178	104	194078	20.761	ug/l	100
71) Bromoform	12.349	173	31350	20.163	ug/l #	99
73) Isopropylbenzene	12.464	105	266409	19.494	ug/l	99
74) N-amyl acetate	12.269	43	79492	20.275	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	66644	20.539	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	57672m	21.730	ug/l	
77) Bromobenzene	12.745	156	67682	20.736	ug/l	97
78) n-propylbenzene	12.800	91	340328	20.228	ug/l	100
79) 2-Chlorotoluene	12.891	91	209148	20.142	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	234936	20.250	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	19731	19.247	ug/l	92
82) 4-Chlorotoluene	12.989	91	220054	19.946	ug/l	98
83) tert-Butylbenzene	13.202	119	194628	20.213	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	247687	20.972	ug/l	99
85) sec-Butylbenzene	13.379	105	295479	20.297	ug/l	98
86) p-Isopropyltoluene	13.495	119	247079	20.359	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	134680	20.737	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	136123	20.740	ug/l	98
89) n-Butylbenzene	13.818	91	235344	19.961	ug/l	99
90) Hexachloroethane	14.086	117	41787	18.827	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	122421	20.808	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	11304	19.597	ug/l	99
93) 1,2,4-Trichlorobenzene	15.122	180	71854	20.416	ug/l	95
94) Hexachlorobutadiene	15.226	225	30590	19.444	ug/l	99
95) Naphthalene	15.360	128	174401	20.223	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	65985	20.606	ug/l	98

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

