

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093025\
 Data File : VW032301.D
 Acq On : 30 Sep 2025 14:14
 Operator : SY/MD
 Sample : VW0930SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
 Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 01 00:53:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	220950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	413104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	389014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	194284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	178460	51.153	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 102.300%			
35) Dibromofluoromethane	7.904	113	143646	48.351	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 96.700%			
50) Toluene-d8	10.325	98	524246	48.962	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 97.920%			
62) 4-Bromofluorobenzene	12.617	95	200004	49.521	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 99.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	34115	22.348	ug/l	95
3) Chloromethane	2.253	50	47980	21.963	ug/l	93
4) Vinyl Chloride	2.405	62	55752	21.842	ug/l	91
5) Bromomethane	2.820	94	39640	22.743	ug/l	96
6) Chloroethane	2.966	64	38711	22.381	ug/l	99
7) Trichlorofluoromethane	3.302	101	40014	20.805	ug/l	95
8) Diethyl Ether	3.722	74	39180	21.545	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	53360	21.736	ug/l	98
10) Methyl Iodide	4.314	142	74400	22.407	ug/l	99
11) Tert butyl alcohol	5.228	59	29994	123.855	ug/l	97
12) 1,1-Dichloroethene	4.082	96	56160	21.401	ug/l	92
13) Acrolein	3.929	56	35137	81.519	ug/l	91
14) Allyl chloride	4.704	41	89120	21.883	ug/l	98
15) Acrylonitrile	5.405	53	104602	111.683	ug/l	100
16) Acetone	4.161	43	96582	107.797	ug/l	98
17) Carbon Disulfide	4.423	76	131557	21.804	ug/l	97
18) Methyl Acetate	4.710	43	70010	22.720	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	110781	22.774	ug/l	95
20) Methylene Chloride	4.954	84	77958	19.475	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	62389	22.048	ug/l	94
22) Diisopropyl ether	6.344	45	209222	23.120	ug/l	95
23) Vinyl Acetate	6.283	43	668053	114.752	ug/l	98
24) 1,1-Dichloroethane	6.246	63	126959	22.224	ug/l	98
25) 2-Butanone	7.197	43	144163	115.438	ug/l	95
26) 2,2-Dichloropropane	7.185	77	58357	20.730	ug/l	100
27) cis-1,2-Dichloroethene	7.197	96	77268	21.955	ug/l	99
28) Bromochloromethane	7.532	49	60469	22.183	ug/l #	98
29) Tetrahydrofuran	7.557	42	94750	116.868	ug/l	97
30) Chloroform	7.697	83	131444	22.053	ug/l	97
31) Cyclohexane	7.971	56	96153	21.345	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	88240	21.975	ug/l	99
36) 1,1-Dichloropropene	8.099	75	84586	21.118	ug/l	99
37) Ethyl Acetate	7.276	43	60426	22.747	ug/l	99
38) Carbon Tetrachloride	8.081	117	80158	21.271	ug/l	95
39) Methylcyclohexane	9.343	83	96591	20.841	ug/l	94
40) Benzene	8.337	78	272397	21.605	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	30834	20.267	ug/l	94
42) 1,2-Dichloroethane	8.416	62	90911	21.693	ug/l	99
43) Isopropyl Acetate	8.435	43	106976	22.497	ug/l	98
44) Trichloroethene	9.099	130	63420	21.521	ug/l	98
45) 1,2-Dichloropropane	9.380	63	70752	21.667	ug/l	96
46) Dibromomethane	9.465	93	44193	22.012	ug/l	96
47) Bromodichloromethane	9.654	83	97668	21.329	ug/l	96
48) Methyl methacrylate	9.447	41	50790	22.703	ug/l	97
49) 1,4-Dioxane	9.465	88	10983	408.468	ug/l #	89
51) 4-Methyl-2-Pentanone	10.215	43	318859	113.094	ug/l	98
52) Toluene	10.392	92	172751	22.107	ug/l	95
53) t-1,3-Dichloropropene	10.611	75	90072	21.469	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	102490	21.160	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	58176	21.229	ug/l	92
56) Ethyl methacrylate	10.648	69	77899	21.580	ug/l	98
57) 1,3-Dichloropropane	10.934	76	103957	21.959	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.928	63	211520	106.745	ug/l	99
59) 2-Hexanone	10.971	43	224768	116.741	ug/l	95
60) Dibromochloromethane	11.129	129	64734	21.509	ug/l	96
61) 1,2-Dibromoethane	11.239	107	57192	22.029	ug/l	100
64) Tetrachloroethene	10.861	164	51647	21.786	ug/l	94
65) Chlorobenzene	11.660	112	188531	21.040	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.727	131	60536	21.362	ug/l	99
67) Ethyl Benzene	11.733	91	317855	21.671	ug/l	99
68) m/p-Xylenes	11.843	106	246861	43.907	ug/l	96
69) o-Xylene	12.166	106	111165	21.038	ug/l	95
70) Styrene	12.178	104	200937	21.685	ug/l	98
71) Bromoform	12.349	173	33879	20.515	ug/l #	99
73) Isopropylbenzene	12.465	105	279709	20.685	ug/l	99
74) N-amyl acetate	12.269	43	94712	22.241	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	77279	21.797	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	57671m	21.576	ug/l	
77) Bromobenzene	12.745	156	68529	20.604	ug/l	87
78) n-propylbenzene	12.800	91	364050	21.433	ug/l	99
79) 2-Chlorotoluene	12.891	91	225518	21.918	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	243720	21.081	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	21386	20.782	ug/l	96
82) 4-Chlorotoluene	12.989	91	236415	21.741	ug/l	99
83) tert-Butylbenzene	13.202	119	204723	21.174	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	261854	22.308	ug/l	97
85) sec-Butylbenzene	13.379	105	309524	21.318	ug/l	99
86) p-Isopropyltoluene	13.495	119	262450	21.826	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	145593	22.130	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	149002	22.170	ug/l	95
89) n-Butylbenzene	13.818	91	252120	20.892	ug/l	98
90) Hexachloroethane	14.086	117	46894	20.924	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	133721	21.728	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.482	75	13199	21.765	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	78778	21.576	ug/l	98
94) Hexachlorobutadiene	15.232	225	34414	20.523	ug/l	91
95) Naphthalene	15.360	128	189890	21.669	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	72132	21.247	ug/l	97

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

