

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091825\
 Data File : VW032194.D
 Acq On : 18 Sep 2025 10:58
 Operator : SY/MD
 Sample : VW0918SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/19/2025
 Supervised By :Semsettin Yesilyurt 09/19/2025

Quant Time: Sep 19 04:31:33 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	7.953	168	188934	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	337869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	309452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	167050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	140246	51.904	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 103.800%			
35) Dibromofluoromethane	7.898	113	115150	48.577	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 97.160%			
50) Toluene-d8	10.325	98	406257	48.820	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 97.640%			
62) 4-Bromofluorobenzene	12.617	95	147229	47.846	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 95.700%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	31523	25.271	ug/l	92
3) Chloromethane	2.253	50	34534	26.405	ug/l	95
4) Vinyl Chloride	2.399	62	45046	26.518	ug/l	98
5) Bromomethane	2.820	94	39463	26.015	ug/l	99
6) Chloroethane	2.966	64	31451	26.290	ug/l	99
7) Trichlorofluoromethane	3.302	101	36592	21.741	ug/l	95
8) Diethyl Ether	3.722	74	29065	23.140	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.094	101	44344	23.388	ug/l	99
10) Methyl Iodide	4.308	142	64254	22.256	ug/l	98
11) Tert butyl alcohol	5.216	59	19162	115.940	ug/l #	69
12) 1,1-Dichloroethene	4.070	96	48129	24.103	ug/l	94
13) Acrolein	3.923	56	15695	61.778	ug/l	97
14) Allyl chloride	4.698	41	61414	21.653	ug/l	96
15) Acrylonitrile	5.399	53	67769	110.975	ug/l	97
16) Acetone	4.155	43	87630	149.750	ug/l	96
17) Carbon Disulfide	4.411	76	113109	22.648	ug/l	98
18) Methyl Acetate	4.704	43	38495	20.647	ug/l	97
19) Methyl tert-butyl Ether	5.460	73	82690	21.930	ug/l	93
20) Methylene Chloride	4.948	84	57527	21.452	ug/l	94
21) trans-1,2-Dichloroethene	5.454	96	48951	21.945	ug/l	93
22) Diisopropyl ether	6.338	45	138994	22.516	ug/l	94
23) Vinyl Acetate	6.283	43	480411	114.463	ug/l	100
24) 1,1-Dichloroethane	6.246	63	91006	22.519	ug/l	98
25) 2-Butanone	7.191	43	105756	127.538	ug/l	96
26) 2,2-Dichloropropane	7.179	77	49949	23.339	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	58434	21.528	ug/l	97
28) Bromochloromethane	7.526	49	42988	23.237	ug/l	94
29) Tetrahydrofuran	7.551	42	58309	110.657	ug/l	98
30) Chloroform	7.691	83	104395	22.625	ug/l	97
31) Cyclohexane	7.971	56	72317	21.802	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	74760	22.195	ug/l	98
36) 1,1-Dichloropropene	8.093	75	66789	21.731	ug/l	98
37) Ethyl Acetate	7.276	43	37994	20.607	ug/l	98
38) Carbon Tetrachloride	8.081	117	70751	21.473	ug/l	98
39) Methylcyclohexane	9.343	83	74597	20.491	ug/l	93
40) Benzene	8.331	78	204255	21.499	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	21087	20.586	ug/l	97
42) 1,2-Dichloroethane	8.410	62	72894	22.133	ug/l	99
43) Isopropyl Acetate	8.435	43	74483	21.534	ug/l	100
44) Trichloroethene	9.099	130	50077	20.960	ug/l	98
45) 1,2-Dichloropropane	9.374	63	50070	21.862	ug/l	97
46) Dibromomethane	9.465	93	35256	21.948	ug/l	94
47) Bromodichloromethane	9.648	83	77459	21.219	ug/l	94
48) Methyl methacrylate	9.441	41	32629	20.470	ug/l	96
49) 1,4-Dioxane	9.465	88	7630	393.128	ug/l #	76
51) 4-Methyl-2-Pentanone	10.209	43	210892	107.979	ug/l	97
52) Toluene	10.386	92	131226	21.137	ug/l	100
53) t-1,3-Dichloropropene	10.605	75	66890	20.771	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	77314	21.041	ug/l	94
55) 1,1,2-Trichloroethane	10.788	97	43420	20.787	ug/l	98
56) Ethyl methacrylate	10.648	69	54647	20.463	ug/l	98
57) 1,3-Dichloropropane	10.934	76	74073	21.178	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	145379	101.992	ug/l	99
59) 2-Hexanone	10.971	43	154797	113.962	ug/l	97
60) Dibromochloromethane	11.129	129	51744	20.472	ug/l	99
61) 1,2-Dibromoethane	11.233	107	43010	20.938	ug/l	100
64) Tetrachloroethene	10.861	164	42451	20.843	ug/l	90
65) Chlorobenzene	11.660	112	143722	20.405	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	48397	20.870	ug/l	98
67) Ethyl Benzene	11.733	91	243181	21.072	ug/l	97
68) m/p-Xylenes	11.837	106	190841	42.968	ug/l	99
69) o-Xylene	12.166	106	87276	20.774	ug/l	99
70) Styrene	12.178	104	159510	21.538	ug/l	97
71) Bromoform	12.349	173	27999	20.329	ug/l #	95
73) Isopropylbenzene	12.458	105	224333	19.767	ug/l	99
74) N-amyl acetate	12.269	43	66282	20.117	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.715	83	55774	20.680	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	40400m	19.304	ug/l	
77) Bromobenzene	12.745	156	55123	19.047	ug/l	94
78) n-propylbenzene	12.800	91	290389	21.076	ug/l	97
79) 2-Chlorotoluene	12.891	91	169944	20.170	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	192506	20.035	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	15816	20.348	ug/l	94
82) 4-Chlorotoluene	12.989	91	179242	19.874	ug/l	100
83) tert-Butylbenzene	13.202	119	163718	20.095	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	191662	19.280	ug/l	97
85) sec-Butylbenzene	13.379	105	246386	20.256	ug/l	98
86) p-Isopropyltoluene	13.495	119	206869	19.998	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	118778	20.384	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	114009	19.520	ug/l	98
89) n-Butylbenzene	13.818	91	202900	20.574	ug/l	95
90) Hexachloroethane	14.086	117	38291	20.237	ug/l	92
91) 1,2-Dichlorobenzene	13.867	146	103744	20.109	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.483	75	9516	19.972	ug/l	93
93) 1,2,4-Trichlorobenzene	15.123	180	61997	18.809	ug/l	99
94) Hexachlorobutadiene	15.232	225	29268	17.904	ug/l	94
95) Naphthalene	15.360	128	132717	17.791	ug/l	97
96) 1,2,3-Trichlorobenzene	15.549	180	58764	19.170	ug/l	98

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

