

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032243.D
 Acq On : 24 Sep 2025 15:03
 Operator : SY/MD
 Sample : VW0924SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Manual Integrations
 APPROVED

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

Quant Time: Sep 25 05:04:37 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	188130	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	324992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	301220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	167865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	133448	49.600	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.200%		
35) Dibromofluoromethane	7.904	113	116929	51.282	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	102.560%		
50) Toluene-d8	10.325	98	393556	49.168	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	98.340%		
62) 4-Bromofluorobenzene	12.617	95	145892	49.290	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	98.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	25719	20.706	ug/l	96
3) Chloromethane	2.253	50	25465	19.554	ug/l	99
4) Vinyl Chloride	2.405	62	35099	20.750	ug/l	92
5) Bromomethane	2.820	94	30863	20.432	ug/l	99
6) Chloroethane	2.966	64	23986	20.136	ug/l	99
7) Trichlorofluoromethane	3.301	101	27981	16.695	ug/l	99
8) Diethyl Ether	3.722	74	25355	20.273	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	38533	20.410	ug/l	98
10) Methyl Iodide	4.307	142	59021	20.531	ug/l	100
11) Tert butyl alcohol	5.216	59	13291	80.761	ug/l #	85
12) 1,1-Dichloroethene	4.070	96	40831	20.536	ug/l	94
13) Acrolein	3.929	56	8596	33.980	ug/l	92
14) Allyl chloride	4.704	41	53110	18.805	ug/l	98
15) Acrylonitrile	5.405	53	58554	96.294	ug/l	98
16) Acetone	4.161	43	65626	112.627	ug/l	92
17) Carbon Disulfide	4.417	76	92232	18.547	ug/l	97
18) Methyl Acetate	4.710	43	38105	20.525	ug/l	97
19) Methyl tert-butyl Ether	5.466	73	71903	19.151	ug/l	97
20) Methylene Chloride	4.948	84	54029	19.989	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	45500	20.485	ug/l	91
22) Diisopropyl ether	6.338	45	123292	20.058	ug/l	96
23) Vinyl Acetate	6.283	43	382205	91.454	ug/l	98
24) 1,1-Dichloroethane	6.246	63	81848	20.339	ug/l	98
25) 2-Butanone	7.197	43	79607	96.413	ug/l	97
26) 2,2-Dichloropropane	7.191	77	42044	19.729	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	54116	20.022	ug/l	98
28) Bromochloromethane	7.532	49	38581	20.944	ug/l	98
29) Tetrahydrofuran	7.557	42	48708	92.832	ug/l	98
30) Chloroform	7.691	83	94126	20.487	ug/l	93
31) Cyclohexane	7.971	56	62247	18.846	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	68192	20.332	ug/l	99
36) 1,1-Dichloropropene	8.093	75	57438	19.429	ug/l	97
37) Ethyl Acetate	7.276	43	34736	19.586	ug/l	99
38) Carbon Tetrachloride	8.081	117	62396	19.688	ug/l	97
39) Methylcyclohexane	9.343	83	64790	18.503	ug/l	98
40) Benzene	8.337	78	186114	20.366	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	19269	19.556	ug/l	91
42) 1,2-Dichloroethane	8.410	62	65566	20.696	ug/l	99
43) Isopropyl Acetate	8.435	43	59814	17.978	ug/l	98
44) Trichloroethene	9.105	130	45897	19.971	ug/l	87
45) 1,2-Dichloropropane	9.374	63	45250	20.541	ug/l	97
46) Dibromomethane	9.465	93	31539	20.412	ug/l	98
47) Bromodichloromethane	9.654	83	70957	20.208	ug/l	99
48) Methyl methacrylate	9.441	41	27666	18.044	ug/l	93
49) 1,4-Dioxane	9.465	88	7177	384.439	ug/l #	71
51) 4-Methyl-2-Pentanone	10.215	43	180166	95.902	ug/l	98
52) Toluene	10.392	92	122386	20.494	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	59593	19.239	ug/l	96
54) cis-1,3-Dichloropropene	10.081	75	69975	19.798	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	41248	20.529	ug/l	88
56) Ethyl methacrylate	10.648	69	46712	18.185	ug/l	98
57) 1,3-Dichloropropane	10.934	76	66073	19.639	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	132038	96.303	ug/l	100
59) 2-Hexanone	10.971	43	124975	95.652	ug/l	98
60) Dibromochloromethane	11.129	129	47769	19.648	ug/l	96
61) 1,2-Dibromoethane	11.239	107	39041	19.759	ug/l	98
64) Tetrachloroethene	10.861	164	40975	20.668	ug/l	95
65) Chlorobenzene	11.660	112	136077	19.847	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	47500	21.043	ug/l	94
67) Ethyl Benzene	11.733	91	221550	19.722	ug/l	97
68) m/p-Xylenes	11.837	106	176714	40.874	ug/l	100
69) o-Xylene	12.166	106	81258	19.870	ug/l	100
70) Styrene	12.178	104	146130	20.271	ug/l	98
71) Bromoform	12.349	173	26907	20.070	ug/l #	97
73) Isopropylbenzene	12.464	105	207681	18.211	ug/l	99
74) N-amyl acetate	12.269	43	53951	16.295	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	51924	19.159	ug/l	98
76) 1,2,3-Trichloropropane	12.769	75	36887m	17.540	ug/l	
77) Bromobenzene	12.745	156	54082	18.597	ug/l	94
78) n-propylbenzene	12.800	91	256934	18.557	ug/l	99
79) 2-Chlorotoluene	12.891	91	157454	18.597	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	183385	18.993	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	13307	17.037	ug/l	96
82) 4-Chlorotoluene	12.989	91	170841	18.851	ug/l	98
83) tert-Butylbenzene	13.202	119	147545	18.022	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	189842	19.004	ug/l	100
85) sec-Butylbenzene	13.379	105	226231	18.508	ug/l	99
86) p-Isopropyltoluene	13.495	119	187801	18.067	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	114521	19.558	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	115750	19.721	ug/l	97
89) n-Butylbenzene	13.818	91	179474	18.110	ug/l	98
90) Hexachloroethane	14.086	117	34957	18.385	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	104149	20.089	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.482	75	8590	17.941	ug/l	92
93) 1,2,4-Trichlorobenzene	15.123	180	61818	18.663	ug/l	98
94) Hexachlorobutadiene	15.232	225	32015	19.489	ug/l	99
95) Naphthalene	15.360	128	126413	16.864	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	56366	18.298	ug/l	96

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

