

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
 Data File : VW032603.D
 Acq On : 08 Dec 2025 17:41
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/09/2025
 Supervised By : Mahesh Dadoda 12/11/2025

Quant Time: Dec 09 02:22:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 04:04:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	387699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	695072	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	632300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	290057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	275418	47.735	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	95.480%		
35) Dibromofluoromethane	7.904	113	218431	47.754	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	95.500%		
50) Toluene-d8	10.325	98	841572	48.896	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	97.800%		
62) 4-Bromofluorobenzene	12.617	95	313900	49.363	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	98.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	96061	40.029	ug/l	91
3) Chloromethane	2.253	50	154498	35.021	ug/l	98
4) Vinyl Chloride	2.405	62	215733	40.307	ug/l	98
5) Bromomethane	2.826	94	140746	39.597	ug/l	99
6) Chloroethane	2.972	64	137740	39.843	ug/l	98
7) Trichlorofluoromethane	3.308	101	187872	45.286	ug/l	95
8) Diethyl Ether	3.722	74	136814	44.611	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.106	101	189349	43.172	ug/l	99
10) Methyl Iodide	4.307	142	282184	42.659	ug/l	99
11) Tert butyl alcohol	5.216	59	96760	218.034	ug/l #	88
12) 1,1-Dichloroethene	4.076	96	205897	41.636	ug/l	96
13) Acrolein	3.929	56	168290	213.956	ug/l	99
14) Allyl chloride	4.710	41	389201	42.995	ug/l	98
15) Acrylonitrile	5.399	53	383603	238.182	ug/l	99
16) Acetone	4.161	43	370860	205.699	ug/l	100
17) Carbon Disulfide	4.423	76	571696	39.023	ug/l	96
18) Methyl Acetate	4.710	43	183430	49.398	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	450252	48.848	ug/l	96
20) Methylene Chloride	4.954	84	258528	40.097	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	221459	40.986	ug/l	91
22) Diisopropyl ether	6.337	45	818505	45.306	ug/l	93
23) Vinyl Acetate	6.283	43	2807909	234.561	ug/l	99
24) 1,1-Dichloroethane	6.246	63	446543	42.573	ug/l	99
25) 2-Butanone	7.191	43	527268	227.880	ug/l	98
26) 2,2-Dichloropropane	7.191	77	240305	39.521	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	276369	43.935	ug/l	97
28) Bromochloromethane	7.532	49	190775	40.490	ug/l	98
29) Tetrahydrofuran	7.551	42	343926	248.944	ug/l	99
30) Chloroform	7.697	83	444732	42.723	ug/l	97
31) Cyclohexane	7.971	56	395341	42.745	ug/l	96
32) 1,1,1-Trichloroethane	7.892	97	325524	43.087	ug/l	99
36) 1,1-Dichloropropene	8.099	75	317695	45.536	ug/l	99
37) Ethyl Acetate	7.276	43	233024	48.263	ug/l	99
38) Carbon Tetrachloride	8.081	117	284341	43.868	ug/l	99
39) Methylcyclohexane	9.343	83	406227	47.684	ug/l	97
40) Benzene	8.337	78	968924	43.580	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	141109	54.014	ug/l	97
42) 1,2-Dichloroethane	8.410	62	310592	45.563	ug/l	99
43) Isopropyl Acetate	8.435	43	416106	50.139	ug/l	99
44) Trichloroethene	9.099	130	228245	45.932	ug/l	90
45) 1,2-Dichloropropane	9.373	63	248168	44.939	ug/l	96
46) Dibromomethane	9.465	93	148255	46.425	ug/l	98
47) Bromodichloromethane	9.648	83	331527	44.293	ug/l	97
48) Methyl methacrylate	9.441	41	193307	51.241	ug/l	91
49) 1,4-Dioxane	9.465	88	39770	1042.236	ug/l #	97
51) 4-Methyl-2-Pentanone	10.215	43	1164313	253.547	ug/l	99
52) Toluene	10.392	92	592800	44.250	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	336324	46.838	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	387271	45.958	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	196939	46.044	ug/l	92
56) Ethyl methacrylate	10.648	69	305804	51.700	ug/l	99
57) 1,3-Dichloropropane	10.934	76	354816	46.482	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	830999	268.124	ug/l	100
59) 2-Hexanone	10.971	43	822370	251.461	ug/l	98
60) Dibromochloromethane	11.129	129	217162	45.300	ug/l	98
61) 1,2-Dibromoethane	11.239	107	193149	47.484	ug/l	97
64) Tetrachloroethene	10.861	164	181824	43.114	ug/l	97
65) Chlorobenzene	11.660	112	665248	44.527	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	206987	44.793	ug/l	98
67) Ethyl Benzene	11.727	91	1136498	44.816	ug/l	95
68) m/p-Xylenes	11.836	106	880062	91.279	ug/l	100
69) o-Xylene	12.166	106	413727	46.856	ug/l	93
70) Styrene	12.178	104	732369	47.286	ug/l	100
71) Bromoform	12.349	173	121082	47.649	ug/l	100
73) Isopropylbenzene	12.458	105	1048732	48.740	ug/l	99
74) N-amyl acetate	12.269	43	374159	52.532	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	249562	49.271	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	186822m	47.599	ug/l	
77) Bromobenzene	12.745	156	238960	46.981	ug/l	98
78) n-propylbenzene	12.800	91	1316697	47.966	ug/l	100
79) 2-Chlorotoluene	12.891	91	787112	48.092	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	868193	47.289	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	83735	50.178	ug/l	97
82) 4-Chlorotoluene	12.989	91	824052	47.078	ug/l	100
83) tert-Butylbenzene	13.202	119	752075	49.669	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	873195	47.612	ug/l	99
85) sec-Butylbenzene	13.379	105	1104825	47.307	ug/l	99
86) p-Isopropyltoluene	13.495	119	919739	47.814	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	470319	45.225	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	455104	44.090	ug/l	97
89) n-Butylbenzene	13.818	91	900959	46.122	ug/l	99
90) Hexachloroethane	14.086	117	163259	44.315	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	424592	46.546	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	42060	48.161	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	271130	48.802	ug/l	94
94) Hexachlorobutadiene	15.226	225	107247	41.937	ug/l	96
95) Naphthalene	15.360	128	668398	53.205	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	244030	48.349	ug/l	93

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

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