

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
 Data File : VW032315.D
 Acq On : 01 Oct 2025 14:15
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Quant Time: Oct 02 21:14:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:10:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	281404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	536489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	481502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	241841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.312	65	86104	20.978	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	41.960%#		
35) Dibromofluoromethane	7.898	113	70270	20.225	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	40.460%#		
50) Toluene-d8	10.324	98	250144	19.507	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	39.020%#		
62) 4-Bromofluorobenzene	12.617	95	93567	19.305	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	38.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.045	85	38800	21.972	ug/l	95
3) Chloromethane	2.253	50	58031	21.298	ug/l	99
4) Vinyl Chloride	2.405	62	68214	20.970	ug/l	97
5) Bromomethane	2.813	94	48996	20.496	ug/l	99
6) Chloroethane	2.960	64	44339	20.645	ug/l	99
7) Trichlorofluoromethane	3.295	101	48412	19.877	ug/l	93
8) Diethyl Ether	3.716	74	43506	20.614	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.094	101	59004	20.198	ug/l	95
10) Methyl Iodide	4.301	142	88957	21.342	ug/l	97
11) Tert butyl alcohol	5.215	59	34233	110.188	ug/l	96
12) 1,1-Dichloroethene	4.075	96	67001	21.126	ug/l	97
13) Acrolein	3.923	56	57603	114.243	ug/l	96
14) Allyl chloride	4.697	41	107824	20.129	ug/l	91
15) Acrylonitrile	5.392	53	112746	102.687	ug/l	99
16) Acetone	4.155	43	117625	103.498	ug/l	94
17) Carbon Disulfide	4.417	76	177979	20.568	ug/l	99
18) Methyl Acetate	4.703	43	68880	21.157	ug/l	95
19) Methyl tert-butyl Ether	5.459	73	129438	20.722	ug/l	92
20) Methylene Chloride	4.947	84	91257	21.174	ug/l	90
21) trans-1,2-Dichloroethene	5.453	96	71565	20.381	ug/l	98
22) Diisopropyl ether	6.337	45	234704	21.068	ug/l	94
23) Vinyl Acetate	6.276	43	773956	104.011	ug/l	98
24) 1,1-Dichloroethane	6.234	63	140018	20.687	ug/l	98
25) 2-Butanone	7.191	43	160713	103.830	ug/l	98
26) 2,2-Dichloropropane	7.179	77	71502	20.653	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	86196	20.434	ug/l	93
28) Bromochloromethane	7.526	49	65600	20.601	ug/l	85
29) Tetrahydrofuran	7.550	42	101422	104.194	ug/l	94
30) Chloroform	7.691	83	143028	20.837	ug/l	99
31) Cyclohexane	7.965	56	117320	20.304	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	100837	20.731	ug/l	99
36) 1,1-Dichloropropene	8.093	75	97586	19.902	ug/l	97
37) Ethyl Acetate	7.276	43	64814	19.859	ug/l	99
38) Carbon Tetrachloride	8.081	117	91643	19.861	ug/l	100
39) Methylcyclohexane	9.343	83	113500	19.190	ug/l	96
40) Benzene	8.331	78	309105	20.112	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	37010	21.042	ug/l	90
42) 1,2-Dichloroethane	8.410	62	101383	20.160	ug/l	100
43) Isopropyl Acetate	8.434	43	115725	19.988	ug/l	99
44) Trichloroethene	9.099	130	70719	19.651	ug/l	98
45) 1,2-Dichloropropane	9.373	63	77815	20.284	ug/l	98
46) Dibromomethane	9.459	93	47632	20.192	ug/l	95
47) Bromodichloromethane	9.654	83	107295	19.886	ug/l	97
48) Methyl methacrylate	9.440	41	55063	19.561	ug/l	95
49) 1,4-Dioxane	9.465	88	13352	414.108	ug/l #	85
51) 4-Methyl-2-Pentanone	10.208	43	341386	101.802	ug/l	98
52) Toluene	10.391	92	192396	20.102	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	100559	19.211	ug/l	97
54) cis-1,3-Dichloropropene	10.074	75	117968	19.565	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	63272	20.068	ug/l	98
56) Ethyl methacrylate	10.647	69	85643	19.407	ug/l	94
57) 1,3-Dichloropropane	10.934	76	112943	20.283	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	219091	93.287	ug/l	96
59) 2-Hexanone	10.971	43	242814	102.664	ug/l	97
60) Dibromochloromethane	11.129	129	71782	20.051	ug/l	100
61) 1,2-Dibromoethane	11.233	107	61899	20.135	ug/l	98
64) Tetrachloroethene	10.867	164	57503	19.958	ug/l	97
65) Chlorobenzene	11.653	112	213655	20.167	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	66918	20.280	ug/l	98
67) Ethyl Benzene	11.727	91	355003	20.103	ug/l	97
68) m/p-Xylenes	11.836	106	275521	40.461	ug/l	96
69) o-Xylene	12.165	106	125849	19.762	ug/l	95
70) Styrene	12.178	104	230999	20.776	ug/l	97
71) Bromoform	12.348	173	37059	19.593	ug/l #	97
73) Isopropylbenzene	12.464	105	325413	19.668	ug/l	99
74) N-amyl acetate	12.269	43	104472	19.793	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	82334	20.041	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	61898m	19.396	ug/l	
77) Bromobenzene	12.745	156	78072	19.575	ug/l	88
78) n-propylbenzene	12.799	91	414530	20.057	ug/l	97
79) 2-Chlorotoluene	12.891	91	251889	19.933	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	276218	19.307	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	23628	18.808	ug/l	98
82) 4-Chlorotoluene	12.982	91	268736	20.002	ug/l	99
83) tert-Butylbenzene	13.202	119	231081	19.685	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	294630	20.253	ug/l	97
85) sec-Butylbenzene	13.379	105	344593	19.209	ug/l	99
86) p-Isopropyltoluene	13.494	119	298543	20.057	ug/l	99
87) 1,3-Dichlorobenzene	13.501	146	157169	19.461	ug/l	94
88) 1,4-Dichlorobenzene	13.574	146	164453	20.364	ug/l	96
89) n-Butylbenzene	13.818	91	284638	19.585	ug/l	98
90) Hexachloroethane	14.086	117	50102	18.779	ug/l	94
91) 1,2-Dichlorobenzene	13.866	146	150657	20.636	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.482	75	14474	20.123	ug/l	84
93) 1,2,4-Trichlorobenzene	15.122	180	83681	19.115	ug/l	99
94) Hexachlorobutadiene	15.226	225	36708	18.340	ug/l	90
95) Naphthalene	15.360	128	209101	19.889	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	81141	19.664	ug/l	99

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

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