

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100125\
 Data File : VW032313.D
 Acq On : 01 Oct 2025 13:12
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Oct 02 21:12:34 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

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	284753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	526707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	478552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	234250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	21010	5.059	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	10.120%#		
35) Dibromofluoromethane	7.898	113	17458	5.118	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	10.240%#		
50) Toluene-d8	10.325	98	62281	4.947	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	9.900%#		
62) 4-Bromofluorobenzene	12.617	95	24882	5.229	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	10.460%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	9893	5.537	ug/l	96
3) Chloromethane	2.253	50	15140	5.491	ug/l	96
4) Vinyl Chloride	2.399	62	17809	5.410	ug/l	98
5) Bromomethane	2.832	94	13745	5.682	ug/l	87
6) Chloroethane	2.966	64	11537	5.309	ug/l	97
7) Trichlorofluoromethane	3.302	101	12133	4.923	ug/l	100
8) Diethyl Ether	3.722	74	11070	5.183	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.112	101	17336	5.865	ug/l #	87
10) Methyl Iodide	4.320	142	21442	5.084	ug/l	98
11) Tert butyl alcohol	5.210	59	8165	25.972	ug/l	97
12) 1,1-Dichloroethene	4.082	96	16745	5.218	ug/l	90
13) Acrolein	3.936	56	12931	25.344	ug/l	97
14) Allyl chloride	4.704	41	27986	5.163	ug/l	90
15) Acrylonitrile	5.411	53	26916	24.226	ug/l	98
16) Acetone	4.167	43	33407	29.049	ug/l	100
17) Carbon Disulfide	4.423	76	45031	5.143	ug/l	100
18) Methyl Acetate	4.710	43	13618	4.134	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	30951	4.897	ug/l	95
20) Methylene Chloride	4.954	84	36441	4.732	ug/l	94
21) trans-1,2-Dichloroethene	5.460	96	18485	5.203	ug/l	98
22) Diisopropyl ether	6.338	45	54095	4.799	ug/l #	87
23) Vinyl Acetate	6.289	43	177543	23.579	ug/l	100
24) 1,1-Dichloroethane	6.252	63	35264	5.149	ug/l	96
25) 2-Butanone	7.203	43	38549	24.612	ug/l	95
26) 2,2-Dichloropropane	7.191	77	18751	5.352	ug/l	97
27) cis-1,2-Dichloroethene	7.197	96	21855	5.120	ug/l	93
28) Bromochloromethane	7.533	49	16126	5.005	ug/l	87
29) Tetrahydrofuran	7.557	42	22855	23.204	ug/l	92
30) Chloroform	7.691	83	35798	5.154	ug/l	93
31) Cyclohexane	7.971	56	34981	5.983	ug/l #	87
32) 1,1,1-Trichloroethane	7.886	97	25812	5.244	ug/l	98
36) 1,1-Dichloropropene	8.093	75	24817	5.155	ug/l	98
37) Ethyl Acetate	7.276	43	15932	4.972	ug/l	96
38) Carbon Tetrachloride	8.087	117	23500	5.188	ug/l	99
39) Methylcyclohexane	9.343	83	30816	5.307	ug/l	95
40) Benzene	8.337	78	79933	5.297	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	7536	4.364	ug/l	99
42) 1,2-Dichloroethane	8.417	62	25632	5.192	ug/l	97
43) Isopropyl Acetate	8.441	43	26247	4.618	ug/l	97
44) Trichloroethene	9.099	130	18643	5.277	ug/l	98
45) 1,2-Dichloropropane	9.380	63	19476	5.171	ug/l	97
46) Dibromomethane	9.471	93	11793	5.092	ug/l	96
47) Bromodichloromethane	9.654	83	26693	5.039	ug/l	92
48) Methyl methacrylate	9.441	41	12470	4.512	ug/l #	90
49) 1,4-Dioxane	9.465	88	2732	86.306	ug/l #	86
51) 4-Methyl-2-Pentanone	10.215	43	76240	23.157	ug/l	97
52) Toluene	10.392	92	47870	5.094	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	23740	4.619	ug/l	95
54) cis-1,3-Dichloropropene	10.075	75	27985	4.727	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	16014	5.174	ug/l	93
56) Ethyl methacrylate	10.648	69	18666	4.308	ug/l	97
57) 1,3-Dichloropropane	10.934	76	27288	4.991	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	46589	20.206	ug/l	95
59) 2-Hexanone	10.971	43	53126	22.879	ug/l	96
60) Dibromochloromethane	11.129	129	16674	4.744	ug/l	95
61) 1,2-Dibromoethane	11.239	107	15062	4.990	ug/l	99
64) Tetrachloroethene	10.867	164	15638	5.461	ug/l	93
65) Chlorobenzene	11.660	112	55479	5.269	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	16206	4.942	ug/l	98
67) Ethyl Benzene	11.733	91	87214	4.969	ug/l	99
68) m/p-Xylenes	11.837	106	67346	9.951	ug/l	100
69) o-Xylene	12.166	106	30267	4.782	ug/l	98
70) Styrene	12.178	104	52147	4.719	ug/l	98
71) Bromoform	12.349	173	8566	4.557	ug/l #	99
73) Isopropylbenzene	12.465	105	77676	4.847	ug/l	100
74) N-amyl acetate	12.270	43	22577	4.416	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.715	83	20303	5.102	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	17510m	5.665	ug/l	
77) Bromobenzene	12.745	156	19313	4.999	ug/l	85
78) n-propylbenzene	12.800	91	100413	5.016	ug/l	96
79) 2-Chlorotoluene	12.891	91	61002	4.984	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	68864	4.969	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.507	75	4939	4.059	ug/l	87
82) 4-Chlorotoluene	12.989	91	66681	5.124	ug/l	99
83) tert-Butylbenzene	13.202	119	55879	4.914	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	69654	4.943	ug/l	100
85) sec-Butylbenzene	13.379	105	89212	5.134	ug/l	96
86) p-Isopropyltoluene	13.495	119	73385	5.090	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	41335	5.284	ug/l	94
88) 1,4-Dichlorobenzene	13.574	146	43076	5.507	ug/l	95
89) n-Butylbenzene	13.818	91	70466	5.006	ug/l	98
90) Hexachloroethane	14.086	117	13382	5.178	ug/l	96
91) 1,2-Dichlorobenzene	13.861	146	36095	5.104	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.483	75	3424	4.914	ug/l	84
93) 1,2,4-Trichlorobenzene	15.129	180	22385	5.279	ug/l	99
94) Hexachlorobutadiene	15.232	225	11196	5.775	ug/l	96
95) Naphthalene	15.360	128	45626	4.481	ug/l	98
96) 1,2,3-Trichlorobenzene	15.543	180	20926	5.236	ug/l	97

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

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