

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032406.D
 Acq On : 10 Nov 2025 15:11
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 03:33:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:33:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	446044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	861919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	746442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	357631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	30808	5.357	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	10.720%#		
35) Dibromofluoromethane	7.904	113	27089	5.249	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	10.500%#		
50) Toluene-d8	10.325	98	100946	5.099	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	10.200%#		
62) 4-Bromofluorobenzene	12.617	95	38253	5.115	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	10.220%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	12853m	5.626	ug/l	
3) Chloromethane	2.253	50	21252	5.479	ug/l	96
4) Vinyl Chloride	2.405	62	26343	5.381	ug/l	97
5) Bromomethane	2.826	94	17936	5.477	ug/l	86
6) Chloroethane	2.978	64	17036	5.319	ug/l	99
7) Trichlorofluoromethane	3.308	101	18735	4.881	ug/l	94
8) Diethyl Ether	3.716	74	16754	5.339	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	22551	5.394	ug/l	98
10) Methyl Iodide	4.307	142	34394	5.107	ug/l	99
11) Tert butyl alcohol	5.216	59	12284	24.704	ug/l #	94
12) 1,1-Dichloroethene	4.076	96	25678	5.356	ug/l	98
13) Acrolein	3.929	56	21243	25.462	ug/l	97
14) Allyl chloride	4.710	41	46866	5.083	ug/l	98
15) Acrylonitrile	5.405	53	46350	25.546	ug/l	99
16) Acetone	4.161	43	48252	28.046	ug/l	93
17) Carbon Disulfide	4.417	76	71547	5.049	ug/l	98
18) Methyl Acetate	4.716	43	21679	5.089	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	52903	5.235	ug/l	96
20) Methylene Chloride	4.954	84	35179	5.718	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	28795	5.253	ug/l	96
22) Diisopropyl ether	6.338	45	96076	5.118	ug/l	94
23) Vinyl Acetate	6.289	43	315880	24.561	ug/l	99
24) 1,1-Dichloroethane	6.246	63	54281	5.278	ug/l	99
25) 2-Butanone	7.197	43	65204	25.725	ug/l	95
26) 2,2-Dichloropropane	7.191	77	32052	5.592	ug/l	96
27) cis-1,2-Dichloroethene	7.191	96	34097	5.205	ug/l	96
28) Bromochloromethane	7.532	49	27041	5.563	ug/l	98
29) Tetrahydrofuran	7.557	42	41010	25.492	ug/l	98
30) Chloroform	7.691	83	51922	5.157	ug/l	98
31) Cyclohexane	7.965	56	55149	5.797	ug/l #	75
32) 1,1,1-Trichloroethane	7.886	97	37069	5.154	ug/l	97
36) 1,1-Dichloropropene	8.093	75	37460	4.927	ug/l	96
37) Ethyl Acetate	7.276	43	27118	4.796	ug/l	96
38) Carbon Tetrachloride	8.087	117	33800	5.003	ug/l	95
39) Methylcyclohexane	9.343	83	48247	4.898	ug/l	97
40) Benzene	8.337	78	121492	4.962	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	13857	4.462	ug/l	93
42) 1,2-Dichloroethane	8.410	62	36648	5.095	ug/l	100
43) Isopropyl Acetate	8.435	43	47925	4.787	ug/l	98
44) Trichloroethene	9.099	130	28965	5.084	ug/l	92
45) 1,2-Dichloropropane	9.374	63	30643	5.026	ug/l	97
46) Dibromomethane	9.465	93	17884	5.020	ug/l	98
47) Bromodichloromethane	9.648	83	39690	4.884	ug/l	96
48) Methyl methacrylate	9.441	41	22511	4.732	ug/l	98
49) 1,4-Dioxane	9.465	88	4928	98.734	ug/l #	98
51) 4-Methyl-2-Pentanone	10.209	43	130944	23.659	ug/l	99
52) Toluene	10.392	92	75426	4.987	ug/l	97
53) t-1,3-Dichloropropene	10.605	75	38349	4.582	ug/l	97
54) cis-1,3-Dichloropropene	10.081	75	45809	4.733	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	24841	5.082	ug/l	95
56) Ethyl methacrylate	10.648	69	33566	4.476	ug/l	97
57) 1,3-Dichloropropane	10.934	76	42638	4.884	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	93963	23.527	ug/l	97
59) 2-Hexanone	10.971	43	96031	23.716	ug/l	99
60) Dibromochloromethane	11.129	129	26381	4.833	ug/l	99
61) 1,2-Dibromoethane	11.233	107	22493	4.725	ug/l	97
64) Tetrachloroethene	10.867	164	22220	5.027	ug/l	93
65) Chlorobenzene	11.660	112	81174	5.045	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	25207	5.063	ug/l	99
67) Ethyl Benzene	11.727	91	139985	5.029	ug/l	98
68) m/p-Xylenes	11.837	106	103326	9.886	ug/l	99
69) o-Xylene	12.166	106	49846	4.981	ug/l	99
70) Styrene	12.178	104	82403	4.787	ug/l	98
71) Bromoform	12.343	173	13933	4.724	ug/l #	99
73) Isopropylbenzene	12.458	105	125978	4.796	ug/l	100
74) N-amyl acetate	12.269	43	42020	4.604	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	31677	5.082	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	26298m	5.362	ug/l	
77) Bromobenzene	12.745	156	31353	5.042	ug/l	99
78) n-propylbenzene	12.800	91	153312	4.793	ug/l	99
79) 2-Chlorotoluene	12.891	91	95466	4.889	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	104405	4.818	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	9398	4.390	ug/l	88
82) 4-Chlorotoluene	12.983	91	100291	4.938	ug/l	97
83) tert-Butylbenzene	13.202	119	91812	4.871	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	108985	4.945	ug/l	100
85) sec-Butylbenzene	13.379	105	140828	5.016	ug/l	97
86) p-Isopropyltoluene	13.495	119	112594	4.858	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	59538	5.050	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	63512	5.258	ug/l	96
89) n-Butylbenzene	13.818	91	109389	4.831	ug/l	98
90) Hexachloroethane	14.092	117	20141	4.819	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	55317	5.111	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	5174	4.818	ug/l	98
93) 1,2,4-Trichlorobenzene	15.129	180	33710	4.894	ug/l	95
94) Hexachlorobutadiene	15.220	225	14601	5.103	ug/l	91
95) Naphthalene	15.360	128	78029	4.543	ug/l	100
96) 1,2,3-Trichlorobenzene	15.543	180	31907	5.102	ug/l	95

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

