

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111025\
 Data File : VW032407.D
 Acq On : 10 Nov 2025 15:33
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

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

Quant Time: Nov 11 03:34:23 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	450836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	819351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	741941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	349708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	59003	10.151	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	20.300%#		
35) Dibromofluoromethane	7.904	113	49546	10.100	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	20.200%#		
50) Toluene-d8	10.325	98	192718	10.240	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	20.480%#		
62) 4-Bromofluorobenzene	12.617	95	72758	10.234	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	20.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	25392m	10.997	ug/l	
3) Chloromethane	2.253	50	39572	10.093	ug/l	99
4) Vinyl Chloride	2.405	62	51167	10.341	ug/l	95
5) Bromomethane	2.826	94	33455	10.108	ug/l	92
6) Chloroethane	2.972	64	32585	10.065	ug/l	98
7) Trichlorofluoromethane	3.308	101	37511	9.669	ug/l	98
8) Diethyl Ether	3.722	74	32396	10.214	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	44628	10.560	ug/l	99
10) Methyl Iodide	4.313	142	68681	10.090	ug/l	100
11) Tert butyl alcohol	5.216	59	28210	56.129	ug/l	100
12) 1,1-Dichloroethene	4.076	96	48802	10.071	ug/l	99
13) Acrolein	3.935	56	42661	50.591	ug/l	99
14) Allyl chloride	4.710	41	93239	10.005	ug/l	99
15) Acrylonitrile	5.405	53	93953	51.232	ug/l	99
16) Acetone	4.161	43	87310	50.210	ug/l	97
17) Carbon Disulfide	4.417	76	141915	9.909	ug/l	97
18) Methyl Acetate	4.710	43	44520	10.339	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	104889	10.268	ug/l	95
20) Methylene Chloride	4.954	84	66798	10.741	ug/l	100
21) trans-1,2-Dichloroethene	5.466	96	55842	10.078	ug/l	97
22) Diisopropyl ether	6.337	45	192206	10.130	ug/l	96
23) Vinyl Acetate	6.283	43	646655	49.745	ug/l	97
24) 1,1-Dichloroethane	6.246	63	104196	10.023	ug/l	98
25) 2-Butanone	7.197	43	129968	50.732	ug/l	98
26) 2,2-Dichloropropane	7.191	77	61367	10.593	ug/l	96
27) cis-1,2-Dichloroethene	7.191	96	65574	9.904	ug/l	95
28) Bromochloromethane	7.532	49	50794	10.338	ug/l	99
29) Tetrahydrofuran	7.551	42	81885	50.359	ug/l	99
30) Chloroform	7.697	83	105045	10.322	ug/l	98
31) Cyclohexane	7.965	56	102879	10.699	ug/l #	92
32) 1,1,1-Trichloroethane	7.892	97	73948	10.172	ug/l	98
36) 1,1-Dichloropropene	8.099	75	73275	10.138	ug/l	97
37) Ethyl Acetate	7.276	43	56863	10.580	ug/l	98
38) Carbon Tetrachloride	8.081	117	65150	10.144	ug/l	92
39) Methylcyclohexane	9.343	83	94305	10.071	ug/l	86
40) Benzene	8.337	78	241413	10.371	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	28465	9.641	ug/l	94
42) 1,2-Dichloroethane	8.416	62	69346	10.143	ug/l	99
43) Isopropyl Acetate	8.435	43	95514	10.036	ug/l	99
44) Trichloroethene	9.099	130	55649	10.274	ug/l	93
45) 1,2-Dichloropropane	9.374	63	59038	10.186	ug/l	98
46) Dibromomethane	9.471	93	34419	10.162	ug/l	97
47) Bromodichloromethane	9.648	83	76814	9.942	ug/l	95
48) Methyl methacrylate	9.441	41	42787	9.461	ug/l	95
49) 1,4-Dioxane	9.465	88	9540	201.067	ug/l #	97
51) 4-Methyl-2-Pentanone	10.215	43	269178	51.163	ug/l	99
52) Toluene	10.392	92	146853	10.214	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	78747	9.897	ug/l	97
54) cis-1,3-Dichloropropene	10.081	75	90589	9.845	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	46448	9.997	ug/l	94
56) Ethyl methacrylate	10.648	69	70122	9.836	ug/l	99
57) 1,3-Dichloropropane	10.934	76	84750	10.213	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	193282	50.910	ug/l	99
59) 2-Hexanone	10.971	43	200376	52.056	ug/l	99
60) Dibromochloromethane	11.129	129	51945	10.011	ug/l	98
61) 1,2-Dibromoethane	11.239	107	47906	10.586	ug/l	94
64) Tetrachloroethene	10.861	164	45145	10.275	ug/l	94
65) Chlorobenzene	11.660	112	161494	10.099	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	48692	9.839	ug/l	98
67) Ethyl Benzene	11.733	91	275018	9.939	ug/l	98
68) m/p-Xylenes	11.836	106	211539	20.362	ug/l	97
69) o-Xylene	12.166	106	97756	9.827	ug/l	100
70) Styrene	12.178	104	170000	9.935	ug/l	99
71) Bromoform	12.343	173	29843	10.181	ug/l #	92
73) Isopropylbenzene	12.464	105	249133	9.700	ug/l	98
74) N-amyl acetate	12.269	43	84064	9.419	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	60803	9.975	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	52388m	10.924	ug/l	
77) Bromobenzene	12.745	156	60481	9.946	ug/l	97
78) n-propylbenzene	12.800	91	305079	9.754	ug/l	99
79) 2-Chlorotoluene	12.891	91	188782	9.887	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	208642	9.847	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	19619	9.371	ug/l	94
82) 4-Chlorotoluene	12.989	91	194147	9.776	ug/l	97
83) tert-Butylbenzene	13.202	119	176992	9.602	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	213291	9.897	ug/l	99
85) sec-Butylbenzene	13.379	105	268972	9.798	ug/l	99
86) p-Isopropyltoluene	13.495	119	224526	9.906	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	113975	9.886	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	117480	9.946	ug/l	93
89) n-Butylbenzene	13.818	91	214914	9.705	ug/l	100
90) Hexachloroethane	14.086	117	39430	9.649	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	106855	10.096	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10231	9.743	ug/l	99
93) 1,2,4-Trichlorobenzene	15.123	180	64111	9.519	ug/l	94
94) Hexachlorobutadiene	15.226	225	27012	9.655	ug/l	92
95) Naphthalene	15.360	128	160481	9.555	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	58107	9.503	ug/l	95

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

