

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032138.D
 Acq On : 26 Aug 2025 10:23
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
 Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 03:48:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 03:44:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	211234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	363619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	338426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	30225	10.005	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	20.020%#		
35) Dibromofluoromethane	7.898	113	25460	9.980	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	19.960%#		
50) Toluene-d8	10.331	98	88342	9.864	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	19.720%#		
62) 4-Bromofluorobenzene	12.617	95	31333	9.461	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	18.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	14618	10.482	ug/l	89
3) Chloromethane	2.253	50	14677	10.037	ug/l	99
4) Vinyl Chloride	2.405	62	20537	10.813	ug/l	95
5) Bromomethane	2.826	94	17493	10.314	ug/l	94
6) Chloroethane	2.966	64	14154	10.582	ug/l	98
7) Trichlorofluoromethane	3.308	101	18838	10.011	ug/l	97
8) Diethyl Ether	3.722	74	14749	10.503	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	21714	10.243	ug/l	98
10) Methyl Iodide	4.307	142	33798	10.471	ug/l	98
11) Tert butyl alcohol	5.222	59	8976	48.576	ug/l #	84
12) 1,1-Dichloroethene	4.082	96	21754	9.744	ug/l	94
13) Acrolein	3.929	56	14491	51.017	ug/l	99
14) Allyl chloride	4.704	41	31497	9.932	ug/l	99
15) Acrylonitrile	5.399	53	34723	50.858	ug/l	99
16) Acetone	4.161	43	33956	51.901	ug/l	94
17) Carbon Disulfide	4.417	76	56470	10.113	ug/l	99
18) Methyl Acetate	4.710	43	19652	9.428	ug/l	97
19) Methyl tert-butyl Ether	5.472	73	41859	9.929	ug/l	99
20) Methylene Chloride	4.948	84	37160	10.662	ug/l	92
21) trans-1,2-Dichloroethene	5.454	96	25148	10.084	ug/l	96
22) Diisopropyl ether	6.338	45	67403	9.766	ug/l #	87
23) Vinyl Acetate	6.289	43	225264	48.006	ug/l	97
24) 1,1-Dichloroethane	6.240	63	45759	10.127	ug/l	98
25) 2-Butanone	7.197	43	45718	49.314	ug/l	96
26) 2,2-Dichloropropane	7.185	77	23694	9.902	ug/l	96
27) cis-1,2-Dichloroethene	7.197	96	30439	10.030	ug/l	98
28) Bromochloromethane	7.532	49	20056	9.697	ug/l	97
29) Tetrahydrofuran	7.551	42	28428	48.254	ug/l	100
30) Chloroform	7.697	83	52596	10.195	ug/l	97
31) Cyclohexane	7.965	56	39275	10.590	ug/l #	86
32) 1,1,1-Trichloroethane	7.886	97	38320	10.176	ug/l	100
36) 1,1-Dichloropropene	8.093	75	33450	10.113	ug/l	98
37) Ethyl Acetate	7.276	43	19121	9.636	ug/l	97
38) Carbon Tetrachloride	8.081	117	35561	10.029	ug/l	97
39) Methylcyclohexane	9.343	83	38190	9.748	ug/l	92
40) Benzene	8.337	78	103343	10.107	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	10841	9.834	ug/l	93
42) 1,2-Dichloroethane	8.416	62	35957	10.144	ug/l	97
43) Isopropyl Acetate	8.441	43	35470	9.528	ug/l	96
44) Trichloroethene	9.099	130	26114	10.156	ug/l	85
45) 1,2-Dichloropropane	9.374	63	25046	10.162	ug/l	100
46) Dibromomethane	9.465	93	17993	10.408	ug/l	98
47) Bromodichloromethane	9.654	83	39005	9.928	ug/l	100
48) Methyl methacrylate	9.441	41	15484	9.026	ug/l	88
49) 1,4-Dioxane	9.465	88	3437	164.547	ug/l #	77
51) 4-Methyl-2-Pentanone	10.215	43	101528	48.302	ug/l	98
52) Toluene	10.392	92	66895	10.012	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	32461	9.366	ug/l	96
54) cis-1,3-Dichloropropene	10.081	75	37752	9.547	ug/l	97
55) 1,1,2-Trichloroethane	10.794	97	22801	10.143	ug/l	94
56) Ethyl methacrylate	10.648	69	26610	9.259	ug/l	97
57) 1,3-Dichloropropane	10.934	76	38090	10.119	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	73697	48.041	ug/l	99
59) 2-Hexanone	10.971	43	68690	46.989	ug/l	97
60) Dibromochloromethane	11.129	129	26185	9.626	ug/l	95
61) 1,2-Dibromoethane	11.239	107	22442	10.151	ug/l	100
64) Tetrachloroethene	10.861	164	22486	10.095	ug/l	92
65) Chlorobenzene	11.654	112	76630	9.948	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	25682	10.127	ug/l	98
67) Ethyl Benzene	11.733	91	123370	9.775	ug/l	97
68) m/p-Xylenes	11.843	106	94822	19.521	ug/l	99
69) o-Xylene	12.166	106	44610	9.709	ug/l	95
70) Styrene	12.178	104	78501	9.692	ug/l	98
71) Bromoform	12.349	173	14353	9.529	ug/l #	96
73) Isopropylbenzene	12.464	105	113135	9.615	ug/l	99
74) N-amyl acetate	12.276	43	31026	9.082	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	27712	9.910	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	20674m	9.219	ug/l	
77) Bromobenzene	12.745	156	29230	9.741	ug/l	99
78) n-propylbenzene	12.800	91	140832	9.858	ug/l	97
79) 2-Chlorotoluene	12.891	91	85542	9.792	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	96634	9.700	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	6880	8.537	ug/l	91
82) 4-Chlorotoluene	12.989	91	92476	9.890	ug/l	99
83) tert-Butylbenzene	13.202	119	80888	9.576	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	97711	9.480	ug/l	99
85) sec-Butylbenzene	13.379	105	119897	9.507	ug/l	98
86) p-Isopropyltoluene	13.495	119	102643	9.570	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	62937	10.417	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	62683	10.351	ug/l	98
89) n-Butylbenzene	13.818	91	96382	9.426	ug/l	97
90) Hexachloroethane	14.086	117	19253	9.814	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	52479	9.811	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	4440	8.988	ug/l	99
93) 1,2,4-Trichlorobenzene	15.129	180	34429	10.074	ug/l	96
94) Hexachlorobutadiene	15.226	225	16347	9.644	ug/l	92
95) Naphthalene	15.360	128	68744	8.888	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	31730	9.983	ug/l	99

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

