

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090525\
 Data File : VD080519.D
 Acq On : 05 Sep 2025 11:55
 Operator : RP/MD
 Sample : Q2893-03
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

Quant Time: Sep 06 03:44:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082725S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 06 03:43:14 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/08/2025
 Supervised By :Semsettin Yesilyurt 09/08/2025

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	337314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	601783	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.576	117	527661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	251092	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	166122	43.652	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.300%		
35) Dibromofluoromethane	7.806	113	171999	43.191	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.380%		
50) Toluene-d8	10.270	98	678495	43.161	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.320%		
62) 4-Bromofluorobenzene	12.570	95	209802	40.979	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	10488	3.652	ug/l	100
3) Chloromethane	2.147	50	16087	3.549	ug/l	98
4) Vinyl Chloride	2.282	62	17606	3.763	ug/l	100
5) Bromomethane	2.688	94	12155	4.623	ug/l	98
6) Chloroethane	2.835	64	13999	4.584	ug/l	96
7) Trichlorofluoromethane	3.176	101	19949	3.661	ug/l	96
8) Diethyl Ether	3.594	74	7610	3.524	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.976	101	13271	3.753	ug/l	96
10) Methyl Iodide	4.171	142	11739	2.876	ug/l	98
11) Tert butyl alcohol	5.059	59	6050	21.968	ug/l #	83
12) 1,1-Dichloroethene	3.941	96	12505	3.395	ug/l	97
13) Acrolein	3.894	56	310m	1.059	ug/l	
14) Allyl chloride	4.565	41	21071	3.296	ug/l	93
15) Acrylonitrile	5.265	53	17205	17.892	ug/l	97
16) Acetone	4.023	43	24220	27.185	ug/l	93
17) Carbon Disulfide	4.271	76	37554	3.015	ug/l	98
18) Methyl Acetate	4.570	43	11717	4.673	ug/l	97
19) Methyl tert-butyl Ether	5.317	73	32929	3.407	ug/l	94
20) Methylene Chloride	4.794	84	26279	5.369	ug/l	90
21) trans-1,2-Dichloroethene	5.317	96	15556	3.689	ug/l	91
22) Diisopropyl ether	6.212	45	46121	3.505	ug/l	96
23) Vinyl Acetate	6.159	43	113357	15.141	ug/l	95
24) 1,1-Dichloroethane	6.106	63	27647	3.630	ug/l	93
25) 2-Butanone	7.082	43	28428	22.534	ug/l	92
26) 2,2-Dichloropropane	7.076	77	22400	3.715	ug/l	99
27) cis-1,2-Dichloroethene	7.082	96	18051	3.587	ug/l	96
28) Bromochloromethane	7.423	49	11344	3.655	ug/l	93
29) Tetrahydrofuran	7.447	42	15222	19.095	ug/l	98
30) Chloroform	7.594	83	26648	3.659	ug/l	96
31) Cyclohexane	7.876	56	29632	4.157	ug/l #	74
32) 1,1,1-Trichloroethane	7.794	97	22941	3.783	ug/l	97
36) 1,1-Dichloropropene	8.011	75	19729	3.741	ug/l	98
37) Ethyl Acetate	7.170	43	10105m	3.985	ug/l	
38) Carbon Tetrachloride	7.988	117	18914	3.768	ug/l	87
39) Methylcyclohexane	9.270	83	24953	3.555	ug/l	99
40) Benzene	8.253	78	61736	3.678	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.412	41	5311	3.528	ug/l	89
42) 1,2-Dichloroethane	8.329	62	15159	3.729	ug/l	95
43) Isopropyl Acetate	8.359	43	19430	3.766	ug/l #	86
44) Trichloroethene	9.023	130	15258	3.747	ug/l	81
45) 1,2-Dichloropropane	9.306	63	14603	3.508	ug/l	100
46) Dibromomethane	9.400	93	8397	3.766	ug/l	98
47) Bromodichloromethane	9.582	83	21063	3.875	ug/l #	93
48) Methyl methacrylate	9.382	41	9164	3.583	ug/l	96
49) 1,4-Dioxane	9.394	88	2185	79.258	ug/l #	92
51) 4-Methyl-2-Pentanone	10.158	43	48875	18.994	ug/l	100
52) Toluene	10.329	92	37771	3.609	ug/l	96
53) t-1,3-Dichloropropene	10.553	75	19762	3.567	ug/l	100
54) cis-1,3-Dichloropropene	10.017	75	23297	3.516	ug/l	95
55) 1,1,2-Trichloroethane	10.729	97	11134	3.724	ug/l	93
56) Ethyl methacrylate	10.600	69	14189	3.406	ug/l #	94
57) 1,3-Dichloropropane	10.882	76	19098	3.640	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	29251	18.146	ug/l	100
59) 2-Hexanone	10.923	43	37680	20.609	ug/l	98
60) Dibromochloromethane	11.070	129	14743	3.913	ug/l	100
61) 1,2-Dibromoethane	11.176	107	10581	3.719	ug/l	98
64) Tetrachloroethene	10.805	164	12515	3.841	ug/l	92
65) Chlorobenzene	11.605	112	43543	3.872	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.682	131	13621	3.798	ug/l	98
67) Ethyl Benzene	11.682	91	71413	3.669	ug/l	93
68) m/p-Xylenes	11.788	106	54655	7.293	ug/l	100
69) o-Xylene	12.117	106	26496	3.705	ug/l	100
70) Styrene	12.135	104	44704	3.675	ug/l	99
71) Bromoform	12.299	173	8596	4.217	ug/l #	99
73) Isopropylbenzene	12.417	105	66791	3.631	ug/l	100
74) N-amyl acetate	12.229	43	18092	3.706	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.670	83	12579	3.678	ug/l	95
76) 1,2,3-Trichloropropane	12.723	75	9807m	4.786	ug/l	
77) Bromobenzene	12.699	156	15831	3.719	ug/l	97
78) n-propylbenzene	12.758	91	82561	3.696	ug/l	99
79) 2-Chlorotoluene	12.847	91	46428	3.647	ug/l	97
80) 1,3,5-Trimethylbenzene	12.899	105	54271	3.630	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	4976	3.685	ug/l	93
82) 4-Chlorotoluene	12.941	91	48752	3.723	ug/l	95
83) tert-Butylbenzene	13.164	119	46775	3.606	ug/l	98
84) 1,2,4-Trimethylbenzene	13.205	105	55934	3.716	ug/l	100
85) sec-Butylbenzene	13.341	105	70103	3.621	ug/l	100
86) p-Isopropyltoluene	13.458	119	59425	3.670	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	32325	3.939	ug/l	98
88) 1,4-Dichlorobenzene	13.535	146	32381	3.929	ug/l	92
89) n-Butylbenzene	13.782	91	56334	3.652	ug/l	99
90) Hexachloroethane	14.052	117	11552	3.688	ug/l	99
91) 1,2-Dichlorobenzene	13.823	146	28618	3.919	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.446	75	2177	4.241	ug/l	92
93) 1,2,4-Trichlorobenzene	15.099	180	17778	3.885	ug/l	97
94) Hexachlorobutadiene	15.199	225	7800	3.750	ug/l	87
95) Naphthalene	15.329	128	37968	3.901	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	15765	4.025	ug/l	99

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

