

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090525\
 Data File : VD080518.D
 Acq On : 05 Sep 2025 11:29
 Operator : RP/MD
 Sample : Q2893-03
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Sep 06 03:43:29 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

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	349175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	620846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	544004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	257057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	173594	44.066	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.140%		
35) Dibromofluoromethane	7.806	113	171681	41.788	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.580%		
50) Toluene-d8	10.270	98	692484	42.699	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	85.400%		
62) 4-Bromofluorobenzene	12.570	95	213634	40.447	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	80.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	6961	2.342	ug/l	91
3) Chloromethane	2.153	50	10671	2.274	ug/l	92
4) Vinyl Chloride	2.288	62	11035	2.278	ug/l	99
5) Bromomethane	2.694	94	8493	3.120	ug/l	94
6) Chloroethane	2.847	64	8100	2.562	ug/l #	79
7) Trichlorofluoromethane	3.182	101	13795	2.446	ug/l #	81
8) Diethyl Ether	3.600	74	4756	2.128	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.976	101	9968	2.723	ug/l	99
10) Methyl Iodide	4.165	142	8658	2.049	ug/l	96
11) Tert butyl alcohol	5.059	59	4153m	14.568	ug/l	
12) 1,1-Dichloroethene	3.941	96	8787	2.304	ug/l	83
13) Acrolein	3.794	56	684m	2.257	ug/l	
14) Allyl chloride	4.553	41	13955	2.109	ug/l	95
15) Acrylonitrile	5.259	53	10938	10.988	ug/l	97
16) Acetone	4.017	43	17632	19.118	ug/l	94
17) Carbon Disulfide	4.270	76	25368	1.967	ug/l	99
18) Methyl Acetate	4.564	43	6402	2.467	ug/l	99
19) Methyl tert-butyl Ether	5.312	73	21563	2.155	ug/l	95
20) Methylene Chloride	4.800	84	19448	3.839	ug/l	92
21) trans-1,2-Dichloroethene	5.312	96	10209	2.339	ug/l	96
22) Diisopropyl ether	6.211	45	27773	2.039	ug/l	96
23) Vinyl Acetate	6.153	43	73699	9.509	ug/l	99
24) 1,1-Dichloroethane	6.111	63	17504	2.220	ug/l #	87
25) 2-Butanone	7.088	43	18495	14.163	ug/l	94
26) 2,2-Dichloropropane	7.076	77	14078	2.255	ug/l	97
27) cis-1,2-Dichloroethene	7.076	96	10914	2.095	ug/l	88
28) Bromochloromethane	7.423	49	8229	2.561	ug/l #	95
29) Tetrahydrofuran	7.441	42	9346	11.325	ug/l	98
30) Chloroform	7.594	83	16827	2.232	ug/l	96
31) Cyclohexane	7.876	56	22197	3.008	ug/l #	67
32) 1,1,1-Trichloroethane	7.794	97	15447	2.461	ug/l	94
36) 1,1-Dichloropropene	8.005	75	12762	2.346	ug/l	97
37) Ethyl Acetate	7.170	43	7610	2.909	ug/l #	85
38) Carbon Tetrachloride	7.994	117	12716	2.456	ug/l #	79
39) Methylcyclohexane	9.270	83	18582	2.566	ug/l	96
40) Benzene	8.247	78	39395	2.275	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.406	41	4132	2.660	ug/l #	96
42) 1,2-Dichloroethane	8.329	62	10828	2.582	ug/l	96
43) Isopropyl Acetate	8.364	43	12015	2.257	ug/l #	88
44) Trichloroethene	9.023	130	9679	2.304	ug/l	100
45) 1,2-Dichloropropane	9.305	63	9807	2.284	ug/l #	77
46) Dibromomethane	9.394	93	5754	2.501	ug/l	98
47) Bromodichloromethane	9.582	83	12816	2.285	ug/l	92
48) Methyl methacrylate	9.382	41	6294	2.385	ug/l #	95
49) 1,4-Dioxane	9.388	88	1359	47.782	ug/l #	79
51) 4-Methyl-2-Pentanone	10.158	43	30846	11.620	ug/l	97
52) Toluene	10.335	92	25556	2.367	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	13479	2.358	ug/l	98
54) cis-1,3-Dichloropropene	10.017	75	15545	2.274	ug/l	95
55) 1,1,2-Trichloroethane	10.735	97	7005	2.271	ug/l #	92
56) Ethyl methacrylate	10.599	69	9192	2.139	ug/l	90
57) 1,3-Dichloropropane	10.882	76	12582	2.324	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	18994	11.421	ug/l	96
59) 2-Hexanone	10.917	43	26441	14.018	ug/l	94
60) Dibromochloromethane	11.070	129	8584	2.208	ug/l	94
61) 1,2-Dibromoethane	11.170	107	6666	2.271	ug/l	98
64) Tetrachloroethene	10.811	164	8345	2.484	ug/l #	89
65) Chlorobenzene	11.605	112	28022	2.417	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.676	131	9042	2.445	ug/l	95
67) Ethyl Benzene	11.682	91	46285	2.307	ug/l	95
68) m/p-Xylenes	11.794	106	37764	4.888	ug/l	95
69) o-Xylene	12.117	106	16561	2.246	ug/l	95
70) Styrene	12.135	104	29352	2.340	ug/l	98
71) Bromoform	12.294	173	5527	2.630	ug/l #	96
73) Isopropylbenzene	12.417	105	45208	2.400	ug/l	100
74) N-amyl acetate	12.229	43	11412	2.283	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.670	83	8399	2.399	ug/l	99
76) 1,2,3-Trichloropropane	12.723	75	6510m	3.103	ug/l	
77) Bromobenzene	12.699	156	10923	2.507	ug/l	98
78) n-propylbenzene	12.758	91	56355	2.464	ug/l	98
79) 2-Chlorotoluene	12.846	91	31117	2.388	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	35653	2.330	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.464	75	3034m	2.195	ug/l	
82) 4-Chlorotoluene	12.946	91	33243	2.480	ug/l	100
83) tert-Butylbenzene	13.164	119	33028	2.487	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	37875	2.458	ug/l	98
85) sec-Butylbenzene	13.341	105	48951	2.470	ug/l	99
86) p-Isopropyltoluene	13.458	119	41070	2.477	ug/l	99
87) 1,3-Dichlorobenzene	13.452	146	22926	2.729	ug/l	96
88) 1,4-Dichlorobenzene	13.535	146	22846	2.708	ug/l	92
89) n-Butylbenzene	13.782	91	40963	2.594	ug/l	100
90) Hexachloroethane	14.046	117	7977	2.488	ug/l	98
91) 1,2-Dichlorobenzene	13.829	146	19243	2.574	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.440	75	1140	2.169	ug/l	93
93) 1,2,4-Trichlorobenzene	15.099	180	13545	2.892	ug/l	93
94) Hexachlorobutadiene	15.199	225	6037	2.835	ug/l	92
95) Naphthalene	15.329	128	26274	2.637	ug/l	97
96) 1,2,3-Trichlorobenzene	15.523	180	11055	2.757	ug/l	88

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

