

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111925\
 Data File : VD080544.D
 Acq On : 19 Nov 2025 11:36
 Operator : RP/MD
 Sample : Q3530-03
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2025

Quant Time: Nov 20 04:07:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111725S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 18 00:45:54 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/20/2025
 Supervised By :Mahesh Dadoda 11/20/2025

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	260069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	433642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	362117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	157986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	103294	47.303	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.600%		
35) Dibromofluoromethane	7.805	113	126235	49.447	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.900%		
50) Toluene-d8	10.270	98	499339	48.350	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.700%		
62) 4-Bromofluorobenzene	12.570	95	140874	47.447	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.929	85	4673	2.411	ug/l	89
3) Chloromethane	2.147	50	8157	2.607	ug/l	93
4) Vinyl Chloride	2.288	62	9063	2.445	ug/l	89
5) Bromomethane	2.700	94	7903	2.875	ug/l	98
6) Chloroethane	2.841	64	7754	3.047	ug/l	96
7) Trichlorofluoromethane	3.182	101	11046	2.618	ug/l	84
8) Diethyl Ether	3.588	74	2981	2.564	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.964	101	6927	2.598	ug/l #	82
10) Methyl Iodide	4.170	142	6927	2.020	ug/l	98
11) Tert butyl alcohol	5.017	59	1999m	19.656	ug/l	
12) 1,1-Dichloroethene	3.953	96	6219	2.216	ug/l #	89
13) Acrolein	3.800	56	1833	10.361	ug/l	96
14) Allyl chloride	4.564	41	9850	2.248	ug/l	96
15) Acrylonitrile	5.253	53	4618	9.839	ug/l #	23
16) Acetone	4.023	43	3930	12.310	ug/l	92
17) Carbon Disulfide	4.270	76	20754	2.298	ug/l #	85
18) Methyl Acetate	4.570	43	2202	2.243	ug/l	98
19) Methyl tert-butyl Ether	5.323	73	10194	2.049	ug/l #	75
20) Methylene Chloride	4.806	84	14635	4.541	ug/l #	76
21) trans-1,2-Dichloroethene	5.306	96	7300	2.333	ug/l	91
22) Diisopropyl ether	6.205	45	17032	2.151	ug/l	92
23) Vinyl Acetate	6.164	43	41473	10.057	ug/l #	83
24) 1,1-Dichloroethane	6.106	63	12308	2.273	ug/l #	93
25) 2-Butanone	7.076	43	5587	11.161	ug/l #	85
26) 2,2-Dichloropropane	7.064	77	11939	2.564	ug/l	96
27) cis-1,2-Dichloroethene	7.076	96	8452	2.318	ug/l	94
28) Bromochloromethane	7.429	49	4898	2.472	ug/l #	100
29) Tetrahydrofuran	7.452	42	3852	11.551	ug/l #	89
30) Chloroform	7.605	83	12593	2.372	ug/l #	78
31) Cyclohexane	7.882	56	15641	3.016	ug/l #	71
32) 1,1,1-Trichloroethane	7.794	97	10989	2.356	ug/l	96
36) 1,1-Dichloropropene	8.017	75	10145	2.571	ug/l	97
37) Ethyl Acetate	7.182	43	3156m	2.644	ug/l	
38) Carbon Tetrachloride	8.000	117	10063	2.537	ug/l #	86
39) Methylcyclohexane	9.276	83	14018	2.692	ug/l	97
40) Benzene	8.247	78	29400	2.406	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.388	41	1754	2.249	ug/l #	86
42) 1,2-Dichloroethane	8.323	62	6071	2.380	ug/l	95
43) Isopropyl Acetate	8.364	43	5087	2.173	ug/l #	52
44) Trichloroethene	9.035	130	7464	2.416	ug/l	94
45) 1,2-Dichloropropane	9.305	63	6184	2.210	ug/l	98
46) Dibromomethane	9.394	93	3334	2.416	ug/l	95
47) Bromodichloromethane	9.588	83	8618	2.312	ug/l	98
48) Methyl methacrylate	9.388	41	2644	2.275	ug/l	92
49) 1,4-Dioxane	9.388	88	445	34.592	ug/l	91
51) 4-Methyl-2-Pentanone	10.158	43	10919	10.050	ug/l	99
52) Toluene	10.329	92	17879	2.314	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	7045	2.133	ug/l #	74
54) cis-1,3-Dichloropropene	10.011	75	9403	2.208	ug/l #	89
55) 1,1,2-Trichloroethane	10.735	97	4311	2.442	ug/l	95
56) Ethyl methacrylate	10.594	69	4121	2.023	ug/l #	90
57) 1,3-Dichloropropane	10.882	76	6813	2.213	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.876	63	12601	11.025	ug/l	95
59) 2-Hexanone	10.923	43	7092	9.338	ug/l	98
60) Dibromochloromethane	11.076	129	4924	2.099	ug/l	87
61) 1,2-Dibromoethane	11.182	107	3838	2.260	ug/l	99
64) Tetrachloroethene	10.811	164	6975	2.678	ug/l	95
65) Chlorobenzene	11.605	112	19592	2.430	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.682	131	6274	2.488	ug/l	97
67) Ethyl Benzene	11.682	91	33825	2.314	ug/l	95
68) m/p-Xylenes	11.793	106	26827	4.799	ug/l	98
69) o-Xylene	12.123	106	12052	2.332	ug/l	97
70) Styrene	12.135	104	19476	2.283	ug/l	98
71) Bromoform	12.305	173	2575	2.186	ug/l #	89
73) Isopropylbenzene	12.417	105	33248	2.479	ug/l	99
74) N-amyl acetate	12.235	43	4479	2.155	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.676	83	3823	2.273	ug/l	98
76) 1,2,3-Trichloropropane	12.717	75	3354m	2.726	ug/l	
77) Bromobenzene	12.699	156	7281	2.558	ug/l	94
78) n-propylbenzene	12.758	91	40514	2.518	ug/l	100
79) 2-Chlorotoluene	12.846	91	22173	2.505	ug/l	99
80) 1,3,5-Trimethylbenzene	12.905	105	26478	2.498	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	1361m	2.112	ug/l	
82) 4-Chlorotoluene	12.946	91	22037	2.449	ug/l	96
83) tert-Butylbenzene	13.164	119	23047	2.418	ug/l	94
84) 1,2,4-Trimethylbenzene	13.211	105	25660	2.460	ug/l	99
85) sec-Butylbenzene	13.340	105	36226	2.567	ug/l	97
86) p-Isopropyltoluene	13.458	119	29205	2.495	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	14396	2.545	ug/l	95
88) 1,4-Dichlorobenzene	13.535	146	15058	2.723	ug/l	89
89) n-Butylbenzene	13.782	91	27624	2.475	ug/l	97
90) Hexachloroethane	14.052	117	5966	2.613	ug/l	94
91) 1,2-Dichlorobenzene	13.829	146	10779	2.306	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.440	75	403	1.740	ug/l	59
93) 1,2,4-Trichlorobenzene	15.093	180	8438	2.923	ug/l	97
94) Hexachlorobutadiene	15.205	225	4447	2.767	ug/l	98
95) Naphthalene	15.329	128	12217	2.601	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.523	180	6711	2.870	ug/l	91

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

