

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111825\
 Data File : VD080535.D
 Acq On : 18 Nov 2025 12:07
 Operator : RP/MD
 Sample : Q3530-01
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

Quant Time: Nov 19 08:23:41 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 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	287149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	477596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	404000	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	178039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	112884	46.820	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.640%		
35) Dibromofluoromethane	7.806	113	136972	48.715	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.420%		
50) Toluene-d8	10.270	98	555444	48.832	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.660%		
62) 4-Bromofluorobenzene	12.570	95	158912	48.596	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	5168	2.415	ug/l	89
3) Chloromethane	2.147	50	9608	2.781	ug/l	95
4) Vinyl Chloride	2.288	62	10179	2.487	ug/l	95
5) Bromomethane	2.700	94	8872	2.923	ug/l	96
6) Chloroethane	2.841	64	7831	2.787	ug/l	96
7) Trichlorofluoromethane	3.182	101	12441	2.671	ug/l	85
8) Diethyl Ether	3.600	74	3613	2.814	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.971	101	8229	2.795	ug/l	93
10) Methyl Iodide	4.165	142	8027	2.121	ug/l	99
11) Tert butyl alcohol	5.018	59	2733m	24.339	ug/l	
12) 1,1-Dichloroethene	3.953	96	7770	2.508	ug/l	93
13) Acrolein	3.812	56	2227m	11.401	ug/l	
14) Allyl chloride	4.570	41	11589	2.395	ug/l	94
15) Acrylonitrile	5.265	53	5891	11.368	ug/l	99
16) Acetone	4.029	43	4626	13.124	ug/l	89
17) Carbon Disulfide	4.271	76	23963	2.403	ug/l	97
18) Methyl Acetate	4.565	43	2966	2.736	ug/l #	62
19) Methyl tert-butyl Ether	5.323	73	13176	2.399	ug/l	99
20) Methylene Chloride	4.812	84	21759	6.115	ug/l	98
21) trans-1,2-Dichloroethene	5.312	96	8855	2.563	ug/l	88
22) Diisopropyl ether	6.212	45	20179	2.308	ug/l #	94
23) Vinyl Acetate	6.165	43	50779	11.152	ug/l	94
24) 1,1-Dichloroethane	6.117	63	15101	2.526	ug/l #	94
25) 2-Butanone	7.076	43	7435m	13.452	ug/l	
26) 2,2-Dichloropropane	7.076	77	15395	2.994	ug/l	91
27) cis-1,2-Dichloroethene	7.076	96	10323	2.564	ug/l	95
28) Bromochloromethane	7.429	49	5785	2.644	ug/l #	96
29) Tetrahydrofuran	7.447	42	4637	12.593	ug/l #	88
30) Chloroform	7.594	83	13996	2.387	ug/l	91
31) Cyclohexane	7.876	56	18752	3.275	ug/l #	70
32) 1,1,1-Trichloroethane	7.794	97	13002	2.525	ug/l	92
36) 1,1-Dichloropropene	8.006	75	11679	2.687	ug/l	96
37) Ethyl Acetate	7.170	43	3415	2.597	ug/l #	71
38) Carbon Tetrachloride	7.994	117	11597	2.655	ug/l	89
39) Methylcyclohexane	9.276	83	15677	2.734	ug/l #	88
40) Benzene	8.253	78	33397	2.481	ug/l	96

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41) Methacrylonitrile	7.429	41	2524	2.939	ug/l #	23
42) 1,2-Dichloroethane	8.329	62	7088	2.523	ug/l	98
43) Isopropyl Acetate	8.359	43	6026	2.337	ug/l #	59
44) Trichloroethene	9.029	130	9189	2.701	ug/l	92
45) 1,2-Dichloropropane	9.311	63	7520	2.440	ug/l #	86
46) Dibromomethane	9.394	93	3694	2.430	ug/l	93
47) Bromodichloromethane	9.588	83	10066	2.452	ug/l	99
48) Methyl methacrylate	9.382	41	3227	2.521	ug/l	87
49) 1,4-Dioxane	9.400	88	594m	41.924	ug/l	
51) 4-Methyl-2-Pentanone	10.158	43	13680	11.433	ug/l	94
52) Toluene	10.329	92	21653	2.544	ug/l	98
53) t-1,3-Dichloropropene	10.553	75	8542	2.348	ug/l	95
54) cis-1,3-Dichloropropene	10.011	75	11840	2.524	ug/l	92
55) 1,1,2-Trichloroethane	10.735	97	4914	2.527	ug/l	88
56) Ethyl methacrylate	10.594	69	5265	2.347	ug/l #	92
57) 1,3-Dichloropropane	10.882	76	8270	2.439	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.870	63	13749	10.922	ug/l	100
59) 2-Hexanone	10.917	43	8883	10.619	ug/l	91
60) Dibromochloromethane	11.076	129	6804	2.633	ug/l	94
61) 1,2-Dibromoethane	11.176	107	4734	2.531	ug/l	98
64) Tetrachloroethene	10.811	164	7860	2.705	ug/l	95
65) Chlorobenzene	11.605	112	22628	2.515	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.682	131	6955	2.472	ug/l	94
67) Ethyl Benzene	11.682	91	40784	2.501	ug/l	99
68) m/p-Xylenes	11.788	106	30727	4.927	ug/l	93
69) o-Xylene	12.123	106	15273	2.649	ug/l	92
70) Styrene	12.135	104	22910	2.408	ug/l	98
71) Bromoform	12.299	173	3569	2.715	ug/l #	99
73) Isopropylbenzene	12.423	105	39794	2.633	ug/l	99
74) N-amyl acetate	12.235	43	6387	2.726	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.676	83	4502	2.375	ug/l	98
76) 1,2,3-Trichloropropane	12.729	75	3754m	2.707	ug/l	
77) Bromobenzene	12.699	156	8474	2.642	ug/l	97
78) n-propylbenzene	12.758	91	49177	2.712	ug/l	100
79) 2-Chlorotoluene	12.852	91	25776	2.584	ug/l	99
80) 1,3,5-Trimethylbenzene	12.905	105	31022	2.597	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.470	75	1909m	2.629	ug/l	
82) 4-Chlorotoluene	12.947	91	26700	2.633	ug/l	97
83) tert-Butylbenzene	13.164	119	27817	2.589	ug/l	97
84) 1,2,4-Trimethylbenzene	13.211	105	31034	2.640	ug/l	96
85) sec-Butylbenzene	13.341	105	42163	2.651	ug/l	98
86) p-Isopropyltoluene	13.458	119	34145	2.589	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	17315	2.717	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	16987	2.726	ug/l	87
89) n-Butylbenzene	13.788	91	33894	2.695	ug/l	99
90) Hexachloroethane	14.058	117	6446	2.505	ug/l	98
91) 1,2-Dichlorobenzene	13.829	146	13799	2.620	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.441	75	590	2.261	ug/l	90
93) 1,2,4-Trichlorobenzene	15.099	180	9799	3.012	ug/l	97
94) Hexachlorobutadiene	15.205	225	5143	2.839	ug/l	98
95) Naphthalene	15.329	128	15178	2.867	ug/l	97
96) 1,2,3-Trichlorobenzene	15.523	180	7705	2.924	ug/l	96

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

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