

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111925\
 Data File : VD080545.D
 Acq On : 19 Nov 2025 12:01
 Operator : RP/MD
 Sample : Q3530-03
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Nov 20 04:08:49 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

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	258425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	428410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	362815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.511	152	162828	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	104842	48.318	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.640%
35) Dibromofluoromethane	7.806	113	121902	48.333	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.660%
50) Toluene-d8	10.270	98	488516	47.879	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.760%
62) 4-Bromofluorobenzene	12.570	95	138079	47.073	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.140%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	7604	3.948	ug/l	96
3) Chloromethane	2.147	50	12517	4.026	ug/l	100
4) Vinyl Chloride	2.282	62	14387	3.905	ug/l	94
5) Bromomethane	2.700	94	12433	4.552	ug/l	98
6) Chloroethane	2.841	64	11163	4.414	ug/l	100
7) Trichlorofluoromethane	3.188	101	16722	3.989	ug/l	91
8) Diethyl Ether	3.600	74	3836	3.320	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.970	101	10783	4.070	ug/l	98
10) Methyl Iodide	4.165	142	10792	3.168	ug/l	95
11) Tert butyl alcohol	5.047	59	2965	29.340	ug/l #	83
12) 1,1-Dichloroethene	3.947	96	10747	3.854	ug/l #	86
13) Acrolein	3.800	56	2832	16.109	ug/l	88
14) Allyl chloride	4.565	41	15014	3.448	ug/l	96
15) Acrylonitrile	5.247	53	8045	17.250	ug/l	99
16) Acetone	4.018	43	5073	15.992	ug/l	98
17) Carbon Disulfide	4.276	76	32134	3.581	ug/l	99
18) Methyl Acetate	4.565	43	4490	4.602	ug/l #	78
19) Methyl tert-butyl Ether	5.329	73	17777	3.596	ug/l	97
20) Methylene Chloride	4.812	84	18372	5.737	ug/l #	93
21) trans-1,2-Dichloroethene	5.317	96	12205	3.925	ug/l	86
22) Diisopropyl ether	6.229	45	27482	3.492	ug/l	96
23) Vinyl Acetate	6.159	43	66059m	16.121	ug/l	
24) 1,1-Dichloroethane	6.112	63	19132	3.556	ug/l	99
25) 2-Butanone	7.088	43	9327	18.752	ug/l #	84
26) 2,2-Dichloropropane	7.082	77	17285	3.735	ug/l #	73
27) cis-1,2-Dichloroethene	7.076	96	13393	3.697	ug/l	94
28) Bromochloromethane	7.429	49	7283	3.699	ug/l #	92
29) Tetrahydrofuran	7.453	42	5929	17.892	ug/l	91
30) Chloroform	7.600	83	20187	3.826	ug/l	94
31) Cyclohexane	7.882	56	22653	4.395	ug/l #	79
32) 1,1,1-Trichloroethane	7.800	97	18594	4.012	ug/l	96
36) 1,1-Dichloropropene	8.011	75	15250	3.911	ug/l	94
37) Ethyl Acetate	7.164	43	1305	1.107	ug/l #	59
38) Carbon Tetrachloride	7.994	117	16270	4.153	ug/l #	85
39) Methylcyclohexane	9.270	83	19731	3.836	ug/l	92
40) Benzene	8.253	78	45626	3.779	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	2322m	3.014	ug/l	
42) 1,2-Dichloroethane	8.329	62	10831	4.299	ug/l	94
43) Isopropyl Acetate	8.358	43	8499	3.674	ug/l	91
44) Trichloroethene	9.035	130	12126	3.973	ug/l	82
45) 1,2-Dichloropropane	9.300	63	10726	3.881	ug/l	98
46) Dibromomethane	9.394	93	5536	4.060	ug/l	97
47) Bromodichloromethane	9.582	83	13904	3.776	ug/l #	91
48) Methyl methacrylate	9.382	41	4361	3.798	ug/l	90
49) 1,4-Dioxane	9.394	88	913	71.838	ug/l #	79
51) 4-Methyl-2-Pentanone	10.152	43	19246	17.931	ug/l	98
52) Toluene	10.335	92	28979	3.796	ug/l	98
53) t-1,3-Dichloropropene	10.547	75	11285	3.459	ug/l #	86
54) cis-1,3-Dichloropropene	10.017	75	15354	3.649	ug/l	96
55) 1,1,2-Trichloroethane	10.729	97	6917	3.966	ug/l	91
56) Ethyl methacrylate	10.600	69	7737	3.844	ug/l	99
57) 1,3-Dichloropropane	10.876	76	11082	3.644	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.870	63	20268	17.949	ug/l	96
59) 2-Hexanone	10.917	43	13434	17.904	ug/l	88
60) Dibromochloromethane	11.070	129	8674	3.743	ug/l	97
61) 1,2-Dibromoethane	11.182	107	6305	3.758	ug/l	92
64) Tetrachloroethene	10.805	164	9955	3.814	ug/l	91
65) Chlorobenzene	11.605	112	30025	3.716	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.676	131	10152	4.018	ug/l	99
67) Ethyl Benzene	11.682	91	54052	3.691	ug/l	94
68) m/p-Xylenes	11.788	106	42103	7.518	ug/l	98
69) o-Xylene	12.117	106	20003	3.863	ug/l	88
70) Styrene	12.135	104	30916	3.618	ug/l	98
71) Bromoform	12.299	173	4555	3.859	ug/l #	99
73) Isopropylbenzene	12.417	105	53066	3.839	ug/l	99
74) N-amyl acetate	12.229	43	6760	3.155	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.670	83	6050	3.490	ug/l	92
76) 1,2,3-Trichloropropane	12.723	75	5900m	4.652	ug/l	
77) Bromobenzene	12.694	156	11347	3.868	ug/l	98
78) n-propylbenzene	12.758	91	60457	3.646	ug/l	99
79) 2-Chlorotoluene	12.846	91	34960	3.832	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	40782	3.732	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.464	75	2392	3.602	ug/l	95
82) 4-Chlorotoluene	12.946	91	34337	3.703	ug/l	99
83) tert-Butylbenzene	13.164	119	36806	3.746	ug/l	98
84) 1,2,4-Trimethylbenzene	13.205	105	39003	3.628	ug/l	97
85) sec-Butylbenzene	13.341	105	53567	3.683	ug/l	99
86) p-Isopropyltoluene	13.458	119	43684	3.622	ug/l	97
87) 1,3-Dichlorobenzene	13.458	146	22857	3.921	ug/l	100
88) 1,4-Dichlorobenzene	13.535	146	22691	3.981	ug/l	95
89) n-Butylbenzene	13.782	91	42752	3.717	ug/l	98
90) Hexachloroethane	14.052	117	9226	3.921	ug/l	100
91) 1,2-Dichlorobenzene	13.829	146	19193	3.984	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.435	75	1044	4.374	ug/l	91
93) 1,2,4-Trichlorobenzene	15.099	180	12074	4.059	ug/l	98
94) Hexachlorobutadiene	15.199	225	6179	3.730	ug/l	97
95) Naphthalene	15.329	128	18299	3.780	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.511	180	9645	4.002	ug/l	92

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

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