

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111825\
 Data File : VD080536.D
 Acq On : 18 Nov 2025 12:32
 Operator : RP/MD
 Sample : Q3530-01
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Nov 19 08:24:41 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	283800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	482086	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	400390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	176975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	115488	48.465	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.940%		
35) Dibromofluoromethane	7.805	113	136738	48.179	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.360%		
50) Toluene-d8	10.264	98	546781	47.623	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.240%		
62) 4-Bromofluorobenzene	12.570	95	154659	46.855	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	7863	3.718	ug/l	90
3) Chloromethane	2.147	50	13271	3.886	ug/l	97
4) Vinyl Chloride	2.288	62	15341	3.792	ug/l	95
5) Bromomethane	2.694	94	13691	4.564	ug/l	96
6) Chloroethane	2.847	64	11221	4.040	ug/l	96
7) Trichlorofluoromethane	3.182	101	17630	3.829	ug/l	100
8) Diethyl Ether	3.594	74	4413	3.478	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.970	101	11348	3.900	ug/l	95
10) Methyl Iodide	4.176	142	12075	3.228	ug/l #	93
11) Tert butyl alcohol	5.047	59	3816	34.385	ug/l #	83
12) 1,1-Dichloroethene	3.953	96	11629	3.797	ug/l	94
13) Acrolein	3.800	56	3688	19.103	ug/l	94
14) Allyl chloride	4.570	41	16794	3.512	ug/l	92
15) Acrylonitrile	5.270	53	9412	18.377	ug/l #	80
16) Acetone	4.023	43	6895	19.792	ug/l	95
17) Carbon Disulfide	4.282	76	37662	3.822	ug/l	97
18) Methyl Acetate	4.576	43	4444	4.148	ug/l #	83
19) Methyl tert-butyl Ether	5.317	73	21099	3.887	ug/l #	79
20) Methylene Chloride	4.800	84	25012	7.112	ug/l #	82
21) trans-1,2-Dichloroethene	5.317	96	13242	3.878	ug/l	88
22) Diisopropyl ether	6.223	45	32200	3.726	ug/l #	92
23) Vinyl Acetate	6.164	43	80412	17.869	ug/l	100
24) 1,1-Dichloroethane	6.117	63	23360	3.954	ug/l	96
25) 2-Butanone	7.094	43	11203	20.509	ug/l #	61
26) 2,2-Dichloropropane	7.082	77	20653	4.064	ug/l	96
27) cis-1,2-Dichloroethene	7.082	96	14996	3.769	ug/l	94
28) Bromochloromethane	7.435	49	8055	3.725	ug/l #	89
29) Tetrahydrofuran	7.458	42	6640m	18.246	ug/l	
30) Chloroform	7.600	83	23349	4.030	ug/l	85
31) Cyclohexane	7.876	56	23916	4.226	ug/l #	71
32) 1,1,1-Trichloroethane	7.788	97	19893	3.908	ug/l	99
36) 1,1-Dichloropropene	8.011	75	16462	3.752	ug/l	97
37) Ethyl Acetate	7.188	43	3826	2.883	ug/l #	69
38) Carbon Tetrachloride	7.994	117	17390	3.944	ug/l	97
39) Methylcyclohexane	9.276	83	22225	3.839	ug/l	90
40) Benzene	8.252	78	50761	3.736	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	3303m	3.810	ug/l	
42) 1,2-Dichloroethane	8.323	62	11929	4.207	ug/l	99
43) Isopropyl Acetate	8.358	43	9565	3.674	ug/l #	77
44) Trichloroethene	9.029	130	12817	3.732	ug/l	87
45) 1,2-Dichloropropane	9.305	63	12136	3.902	ug/l #	83
46) Dibromomethane	9.394	93	6352	4.140	ug/l	96
47) Bromodichloromethane	9.582	83	16136	3.894	ug/l	96
48) Methyl methacrylate	9.382	41	4322	3.345	ug/l #	91
49) 1,4-Dioxane	9.382	88	982	68.664	ug/l #	87
51) 4-Methyl-2-Pentanone	10.158	43	22249	18.421	ug/l	99
52) Toluene	10.335	92	32690	3.805	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	13750	3.745	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	17822	3.764	ug/l	98
55) 1,1,2-Trichloroethane	10.729	97	7665	3.905	ug/l	94
56) Ethyl methacrylate	10.599	69	8367	3.695	ug/l	93
57) 1,3-Dichloropropane	10.882	76	12248	3.579	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.870	63	23652	18.614	ug/l	98
59) 2-Hexanone	10.917	43	14682	17.388	ug/l	99
60) Dibromochloromethane	11.076	129	10115	3.878	ug/l	98
61) 1,2-Dibromoethane	11.176	107	7053	3.736	ug/l	91
64) Tetrachloroethene	10.811	164	11656	4.047	ug/l #	87
65) Chlorobenzene	11.605	112	35832	4.019	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.676	131	10965	3.932	ug/l	98
67) Ethyl Benzene	11.682	91	61245	3.790	ug/l	99
68) m/p-Xylenes	11.793	106	46356	7.500	ug/l	99
69) o-Xylene	12.117	106	21484	3.760	ug/l	100
70) Styrene	12.135	104	35631	3.778	ug/l	98
71) Bromoform	12.299	173	5296	4.066	ug/l #	92
73) Isopropylbenzene	12.417	105	56472	3.759	ug/l	99
74) N-amyl acetate	12.235	43	8686	3.730	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	7523	3.993	ug/l	97
76) 1,2,3-Trichloropropane	12.729	75	7199m	5.223	ug/l	
77) Bromobenzene	12.699	156	12376	3.881	ug/l	97
78) n-propylbenzene	12.758	91	69108	3.835	ug/l	99
79) 2-Chlorotoluene	12.846	91	38352	3.868	ug/l	98
80) 1,3,5-Trimethylbenzene	12.899	105	42813	3.605	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.470	75	2671	3.700	ug/l	90
82) 4-Chlorotoluene	12.946	91	37085	3.679	ug/l	98
83) tert-Butylbenzene	13.164	119	41334	3.871	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	44688	3.824	ug/l	98
85) sec-Butylbenzene	13.340	105	59520	3.765	ug/l	99
86) p-Isopropyltoluene	13.458	119	48189	3.676	ug/l	97
87) 1,3-Dichlorobenzene	13.458	146	24239	3.826	ug/l	96
88) 1,4-Dichlorobenzene	13.535	146	24055	3.883	ug/l	90
89) n-Butylbenzene	13.787	91	45693	3.655	ug/l	97
90) Hexachloroethane	14.052	117	9751	3.813	ug/l	95
91) 1,2-Dichlorobenzene	13.829	146	20664	3.947	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.452	75	908	3.500	ug/l	96
93) 1,2,4-Trichlorobenzene	15.093	180	12981	4.015	ug/l	99
94) Hexachlorobutadiene	15.205	225	6911	3.839	ug/l	97
95) Naphthalene	15.334	128	20796	3.952	ug/l	96
96) 1,2,3-Trichlorobenzene	15.517	180	10802	4.124	ug/l	99

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

