

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111825\
 Data File : VD080537.D
 Acq On : 18 Nov 2025 12:58
 Operator : RP/MD
 Sample : Q3530-02
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 08:26:00 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

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	268381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	450410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	380539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	170133	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	113434	50.338	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.680%			
35) Dibromofluoromethane	7.805	113	132862	50.105	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.220%			
50) Toluene-d8	10.270	98	528315	49.251	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.500%			
62) 4-Bromofluorobenzene	12.570	95	150689	48.863	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.720%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	10235	5.117	ug/l	94
3) Chloromethane	2.147	50	18369	5.688	ug/l	95
4) Vinyl Chloride	2.288	62	20051	5.241	ug/l	92
5) Bromomethane	2.700	94	17379	6.126	ug/l	93
6) Chloroethane	2.841	64	13872	5.282	ug/l	96
7) Trichlorofluoromethane	3.182	101	22643	5.201	ug/l	95
8) Diethyl Ether	3.606	74	5584	4.654	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.976	101	14528	5.280	ug/l	94
10) Methyl Iodide	4.170	142	15448	4.366	ug/l	99
11) Tert butyl alcohol	5.029	59	4150m	39.543	ug/l	
12) 1,1-Dichloroethene	3.941	96	14919	5.152	ug/l	88
13) Acrolein	3.806	56	4768	26.116	ug/l	95
14) Allyl chloride	4.570	41	21014	4.647	ug/l	88
15) Acrylonitrile	5.270	53	12782	26.391	ug/l #	83
16) Acetone	4.017	43	8379	25.434	ug/l	100
17) Carbon Disulfide	4.276	76	45463	4.879	ug/l	97
18) Methyl Acetate	4.564	43	4683	4.622	ug/l	99
19) Methyl tert-butyl Ether	5.329	73	26090	5.082	ug/l	98
20) Methylene Chloride	4.811	84	25719	7.733	ug/l	91
21) trans-1,2-Dichloroethene	5.317	96	16698	5.171	ug/l	94
22) Diisopropyl ether	6.211	45	40002	4.895	ug/l #	91
23) Vinyl Acetate	6.158	43	101093	23.755	ug/l	95
24) 1,1-Dichloroethane	6.117	63	27338	4.893	ug/l #	95
25) 2-Butanone	7.082	43	13876	26.862	ug/l #	88
26) 2,2-Dichloropropane	7.076	77	25232	5.251	ug/l	96
27) cis-1,2-Dichloroethene	7.088	96	18918	5.028	ug/l	98
28) Bromochloromethane	7.429	49	10781	5.272	ug/l #	98
29) Tetrahydrofuran	7.452	42	8073	23.458	ug/l #	66
30) Chloroform	7.600	83	28816	5.259	ug/l	97
31) Cyclohexane	7.876	56	30253	5.652	ug/l #	88
32) 1,1,1-Trichloroethane	7.794	97	24951	5.184	ug/l	98
36) 1,1-Dichloropropene	8.011	75	21404	5.222	ug/l	99
37) Ethyl Acetate	7.170	43	5705	4.601	ug/l #	92
38) Carbon Tetrachloride	8.000	117	20673	5.019	ug/l	91
39) Methylcyclohexane	9.276	83	27627	5.108	ug/l	95
40) Benzene	8.252	78	63666	5.016	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	4171m	5.150	ug/l	
42) 1,2-Dichloroethane	8.329	62	14759	5.572	ug/l	96
43) Isopropyl Acetate	8.364	43	11974	4.923	ug/l	96
44) Trichloroethene	9.029	130	17093	5.327	ug/l	99
45) 1,2-Dichloropropane	9.305	63	14271	4.911	ug/l	94
46) Dibromomethane	9.394	93	7166	4.999	ug/l	96
47) Bromodichloromethane	9.588	83	19574	5.056	ug/l #	95
48) Methyl methacrylate	9.382	41	6147	5.092	ug/l	89
49) 1,4-Dioxane	9.394	88	1642	122.887	ug/l #	78
51) 4-Methyl-2-Pentanone	10.158	43	27378	24.261	ug/l	98
52) Toluene	10.335	92	39901	4.971	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	17207	5.016	ug/l	92
54) cis-1,3-Dichloropropene	10.017	75	20967	4.739	ug/l #	88
55) 1,1,2-Trichloroethane	10.735	97	9603	5.237	ug/l	91
56) Ethyl methacrylate	10.594	69	10099	4.773	ug/l	99
57) 1,3-Dichloropropane	10.876	76	16790	5.251	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	32056	27.002	ug/l	97
59) 2-Hexanone	10.917	43	19025	24.117	ug/l	99
60) Dibromochloromethane	11.070	129	12524	5.140	ug/l	96
61) 1,2-Dibromoethane	11.182	107	9091	5.154	ug/l	94
64) Tetrachloroethene	10.811	164	12937	4.726	ug/l	96
65) Chlorobenzene	11.605	112	43834	5.173	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.676	131	13694	5.167	ug/l	95
67) Ethyl Benzene	11.682	91	75563	4.920	ug/l	97
68) m/p-Xylenes	11.793	106	57573	9.801	ug/l	100
69) o-Xylene	12.117	106	26484	4.877	ug/l	99
70) Styrene	12.135	104	43896	4.897	ug/l	99
71) Bromoform	12.293	173	6456	5.215	ug/l #	97
73) Isopropylbenzene	12.417	105	70766	4.900	ug/l	98
74) N-amyl acetate	12.229	43	10891	4.865	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.676	83	9485	5.237	ug/l	98
76) 1,2,3-Trichloropropane	12.723	75	8544m	6.448	ug/l	
77) Bromobenzene	12.693	156	14866	4.850	ug/l	93
78) n-propylbenzene	12.758	91	84241	4.862	ug/l	98
79) 2-Chlorotoluene	12.846	91	46632	4.893	ug/l	96
80) 1,3,5-Trimethylbenzene	12.899	105	56332	4.934	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.458	75	3050	4.395	ug/l	89
82) 4-Chlorotoluene	12.946	91	47688	4.921	ug/l	99
83) tert-Butylbenzene	13.164	119	50004	4.871	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	53517	4.764	ug/l	99
85) sec-Butylbenzene	13.340	105	76502	5.034	ug/l	100
86) p-Isopropyltoluene	13.458	119	60984	4.839	ug/l	97
87) 1,3-Dichlorobenzene	13.452	146	30939	5.080	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	30376	5.100	ug/l	92
89) n-Butylbenzene	13.787	91	57996	4.826	ug/l	98
90) Hexachloroethane	14.052	117	11915	4.846	ug/l	95
91) 1,2-Dichlorobenzene	13.829	146	25386	5.043	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.446	75	1065	4.271	ug/l	67
93) 1,2,4-Trichlorobenzene	15.093	180	16140	5.192	ug/l	98
94) Hexachlorobutadiene	15.199	225	9292	5.369	ug/l	92
95) Naphthalene	15.329	128	25337	5.009	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.511	180	13224	5.251	ug/l	98

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

