

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090425\
 Data File : VD080511.D
 Acq On : 04 Sep 2025 12:43
 Operator : RP/MD
 Sample : Q2893-02
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

Quant Time: Sep 05 03:53:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 05 03:51:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	367167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	650974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.576	117	579690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	278299	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	185539	44.790	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.580%
35) Dibromofluoromethane	7.806	113	185312	43.018	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.040%
50) Toluene-d8	10.270	98	753555	44.314	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.620%
62) 4-Bromofluorobenzene	12.570	95	236165	42.643	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.280%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	17353	5.551	ug/l	100
3) Chloromethane	2.153	50	27764	5.626	ug/l	97
4) Vinyl Chloride	2.288	62	27487	5.397	ug/l	98
5) Bromomethane	2.694	94	16829	5.880	ug/l	97
6) Chloroethane	2.841	64	20273	6.099	ug/l	97
7) Trichlorofluoromethane	3.176	101	30126	5.079	ug/l	97
8) Diethyl Ether	3.594	74	12791	5.442	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.976	101	18935	4.920	ug/l	94
10) Methyl Iodide	4.170	142	17819	4.010	ug/l	98
11) Tert butyl alcohol	5.059	59	7868	26.246	ug/l #	85
12) 1,1-Dichloroethene	3.941	96	20167	5.030	ug/l	89
13) Acrolein	3.800	56	7532	23.641	ug/l	98
14) Allyl chloride	4.564	41	32348	4.649	ug/l	96
15) Acrylonitrile	5.264	53	27146	25.934	ug/l	98
16) Acetone	4.023	43	28044	28.918	ug/l	97
17) Carbon Disulfide	4.270	76	66255	4.887	ug/l	96
18) Methyl Acetate	4.570	43	14460	5.298	ug/l	95
19) Methyl tert-butyl Ether	5.323	73	51842	4.927	ug/l	94
20) Methylene Chloride	4.800	84	47958	9.002	ug/l	95
21) trans-1,2-Dichloroethene	5.317	96	23153	5.044	ug/l	90
22) Diisopropyl ether	6.217	45	70435	4.918	ug/l	97
23) Vinyl Acetate	6.159	43	195593	24.000	ug/l	100
24) 1,1-Dichloroethane	6.117	63	41544	5.011	ug/l	97
25) 2-Butanone	7.088	43	36227	26.382	ug/l	94
26) 2,2-Dichloropropane	7.076	77	32100	4.890	ug/l	98
27) cis-1,2-Dichloroethene	7.082	96	26642	4.863	ug/l	98
28) Bromochloromethane	7.429	49	17089	5.058	ug/l #	13
29) Tetrahydrofuran	7.453	42	23199	26.735	ug/l	95
30) Chloroform	7.600	83	39813	5.023	ug/l	99
31) Cyclohexane	7.882	56	42332	5.455	ug/l #	86
32) 1,1,1-Trichloroethane	7.794	97	33909	5.138	ug/l	96
36) 1,1-Dichloropropene	8.011	75	28752	5.040	ug/l	96
37) Ethyl Acetate	7.176	43	15482	5.644	ug/l #	95
38) Carbon Tetrachloride	7.994	117	28126	5.180	ug/l	91
39) Methylcyclohexane	9.276	83	38195	5.030	ug/l	93
40) Benzene	8.253	78	89603	4.935	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.406	41	9472	5.816	ug/l #	92
42) 1,2-Dichloroethane	8.323	62	22722	5.167	ug/l	97
43) Isopropyl Acetate	8.358	43	28705	5.143	ug/l	99
44) Trichloroethene	9.029	130	21726	4.933	ug/l	88
45) 1,2-Dichloropropane	9.305	63	21966	4.879	ug/l	98
46) Dibromomethane	9.394	93	12934	5.362	ug/l	99
47) Bromodichloromethane	9.588	83	30027	5.106	ug/l	95
48) Methyl methacrylate	9.382	41	14165	5.120	ug/l	94
49) 1,4-Dioxane	9.388	88	3149	105.595	ug/l #	87
51) 4-Methyl-2-Pentanone	10.158	43	73093	26.260	ug/l	98
52) Toluene	10.335	92	56685	5.007	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	29902	4.989	ug/l	97
54) cis-1,3-Dichloropropene	10.017	75	35096	4.897	ug/l	94
55) 1,1,2-Trichloroethane	10.729	97	16261	5.028	ug/l	91
56) Ethyl methacrylate	10.594	69	22614	5.019	ug/l	98
57) 1,3-Dichloropropane	10.882	76	29573	5.210	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	41841	23.995	ug/l	97
59) 2-Hexanone	10.923	43	52913	26.754	ug/l	99
60) Dibromochloromethane	11.076	129	21649	5.311	ug/l	98
61) 1,2-Dibromoethane	11.176	107	16972	5.515	ug/l	98
64) Tetrachloroethene	10.811	164	19612	5.478	ug/l	83
65) Chlorobenzene	11.605	112	64439	5.216	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.676	131	20574	5.222	ug/l	96
67) Ethyl Benzene	11.682	91	107389	5.023	ug/l	99
68) m/p-Xylenes	11.788	106	83138	10.099	ug/l	99
69) o-Xylene	12.117	106	39580	5.038	ug/l	99
70) Styrene	12.135	104	66803	4.998	ug/l	99
71) Bromoform	12.294	173	12226	5.460	ug/l #	94
73) Isopropylbenzene	12.417	105	99500	4.880	ug/l	100
74) N-amyl acetate	12.229	43	26195	4.841	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	19532	5.152	ug/l	99
76) 1,2,3-Trichloropropane	12.717	75	12456m	5.484	ug/l	
77) Bromobenzene	12.693	156	23746	5.033	ug/l	99
78) n-propylbenzene	12.758	91	121558	4.910	ug/l	100
79) 2-Chlorotoluene	12.846	91	68533	4.858	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	80743	4.873	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.464	75	7678	5.131	ug/l	95
82) 4-Chlorotoluene	12.941	91	70585	4.864	ug/l	99
83) tert-Butylbenzene	13.164	119	70651	4.915	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	81550	4.888	ug/l	98
85) sec-Butylbenzene	13.341	105	106129	4.947	ug/l	99
86) p-Isopropyltoluene	13.458	119	86159	4.801	ug/l	99
87) 1,3-Dichlorobenzene	13.452	146	47484	5.220	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	45784	5.013	ug/l	92
89) n-Butylbenzene	13.782	91	82777	4.842	ug/l	98
90) Hexachloroethane	14.052	117	17126	4.933	ug/l	98
91) 1,2-Dichlorobenzene	13.829	146	41230	5.094	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	2986	5.249	ug/l	96
93) 1,2,4-Trichlorobenzene	15.099	180	25756	5.079	ug/l	98
94) Hexachlorobutadiene	15.199	225	11295	4.900	ug/l	97
95) Naphthalene	15.329	128	53338	4.944	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	22041	5.077	ug/l	97

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

