

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062725\
 Data File : VD080492.D
 Acq On : 27 Jun 2025 13:39
 Operator : RP/MD
 Sample : Q2126-03
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025
 Supervised By :Semsettin Yesilyurt 06/30/2025

Quant Time: Jun 28 03:08:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062625S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:16:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	387227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	715627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	614374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	273016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	209995	55.317	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.640%			
35) Dibromofluoromethane	7.805	113	224583	56.044	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.080%			
50) Toluene-d8	10.270	98	889563	54.950	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.900%			
62) 4-Bromofluorobenzene	12.570	95	279876	52.726	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	9168	2.663	ug/l	97
3) Chloromethane	2.147	50	13310	2.768	ug/l	95
4) Vinyl Chloride	2.288	62	12657	2.595	ug/l	99
5) Bromomethane	2.694	94	10439	3.873	ug/l	94
6) Chloroethane	2.847	64	9488	3.099	ug/l #	83
7) Trichlorofluoromethane	3.182	101	15214	2.480	ug/l	91
8) Diethyl Ether	3.600	74	13257	5.551	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.970	101	11727	2.889	ug/l	96
10) Methyl Iodide	4.170	142	10518	2.201	ug/l #	96
11) Tert butyl alcohol	5.047	59	3922	12.689	ug/l	99
12) 1,1-Dichloroethene	3.947	96	11657	2.660	ug/l	94
13) Acrolein	3.800	56	2424	5.755	ug/l #	71
14) Allyl chloride	4.570	41	18256	2.379	ug/l	90
15) Acrylonitrile	5.264	53	14516	12.775	ug/l	97
16) Acetone	4.023	43	13693	13.961	ug/l #	85
17) Carbon Disulfide	4.276	76	34185	2.470	ug/l	96
18) Methyl Acetate	4.570	43	10022	3.359	ug/l	92
19) Methyl tert-butyl Ether	5.317	73	27735	2.547	ug/l	100
20) Methylene Chloride	4.800	84	51770	6.941	ug/l	95
21) trans-1,2-Dichloroethene	5.323	96	12350	2.527	ug/l	90
22) Diisopropyl ether	6.211	45	38971	2.630	ug/l	94
23) Vinyl Acetate	6.158	43	100003	11.845	ug/l	99
24) 1,1-Dichloroethane	6.105	63	21630	2.488	ug/l	99
25) 2-Butanone	7.088	43	18352	12.748	ug/l	93
26) 2,2-Dichloropropane	7.082	77	17655	2.566	ug/l	97
27) cis-1,2-Dichloroethene	7.082	96	14178	2.426	ug/l	91
28) Bromochloromethane	7.429	49	10349	3.019	ug/l	90
29) Tetrahydrofuran	7.446	42	12573	13.863	ug/l	95
30) Chloroform	7.599	83	21516	2.585	ug/l	90
31) Cyclohexane	7.876	56	28295	3.359	ug/l #	62
32) 1,1,1-Trichloroethane	7.793	97	16693	2.399	ug/l	97
36) 1,1-Dichloropropene	8.011	75	16263	2.599	ug/l	95
37) Ethyl Acetate	7.176	43	9225m	3.033	ug/l	
38) Carbon Tetrachloride	7.988	117	14421	2.412	ug/l	97
39) Methylcyclohexane	9.276	83	22836	2.650	ug/l	97
40) Benzene	8.252	78	51280	2.553	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	3924	2.018	ug/l #	79
42) 1,2-Dichloroethane	8.323	62	11734	2.483	ug/l	90
43) Isopropyl Acetate	8.358	43	16278	2.719	ug/l	99
44) Trichloroethene	9.029	130	12429	2.553	ug/l	75
45) 1,2-Dichloropropane	9.305	63	12246	2.514	ug/l	98
46) Dibromomethane	9.399	93	6778	2.610	ug/l	96
47) Bromodichloromethane	9.582	83	16030	2.489	ug/l	96
48) Methyl methacrylate	9.382	41	7383	2.438	ug/l	97
49) 1,4-Dioxane	9.388	88	1869	55.468	ug/l #	73
51) 4-Methyl-2-Pentanone	10.158	43	38473	12.656	ug/l	95
52) Toluene	10.329	92	30956	2.466	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	15179	2.354	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	19529	2.520	ug/l	90
55) 1,1,2-Trichloroethane	10.729	97	8884	2.509	ug/l	94
56) Ethyl methacrylate	10.599	69	12616	2.496	ug/l	93
57) 1,3-Dichloropropane	10.882	76	16345	2.638	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.870	63	26754	13.860	ug/l	98
59) 2-Hexanone	10.917	43	28258	13.134	ug/l	94
60) Dibromochloromethane	11.076	129	10692	2.447	ug/l	98
61) 1,2-Dibromoethane	11.176	107	8510	2.514	ug/l	93
64) Tetrachloroethene	10.799	164	10722	2.812	ug/l #	73
65) Chlorobenzene	11.605	112	34901	2.634	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.676	131	9877	2.372	ug/l	95
67) Ethyl Benzene	11.682	91	58637	2.530	ug/l	99
68) m/p-Xylenes	11.793	106	42912	4.862	ug/l	96
69) o-Xylene	12.117	106	21795	2.559	ug/l	94
70) Styrene	12.134	104	36093	2.506	ug/l	99
71) Bromoform	12.305	173	5989	2.525	ug/l #	98
73) Isopropylbenzene	12.417	105	54869	2.585	ug/l	100
74) N-amyl acetate	12.234	43	14546	2.618	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.670	83	10381	2.627	ug/l	99
76) 1,2,3-Trichloropropane	12.723	75	7800m	3.361	ug/l	
77) Bromobenzene	12.699	156	11933	2.514	ug/l	97
78) n-propylbenzene	12.758	91	66765	2.613	ug/l	98
79) 2-Chlorotoluene	12.846	91	37793	2.572	ug/l	100
80) 1,3,5-Trimethylbenzene	12.905	105	44214	2.569	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.470	75	4033m	2.582	ug/l	
82) 4-Chlorotoluene	12.946	91	39697	2.630	ug/l	99
83) tert-Butylbenzene	13.164	119	40068	2.662	ug/l	97
84) 1,2,4-Trimethylbenzene	13.205	105	43242	2.517	ug/l	99
85) sec-Butylbenzene	13.340	105	57674	2.594	ug/l	100
86) p-Isopropyltoluene	13.458	119	47766	2.596	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	24114	2.627	ug/l	97
88) 1,4-Dichlorobenzene	13.534	146	24635	2.689	ug/l	88
89) n-Butylbenzene	13.781	91	47457	2.687	ug/l	97
90) Hexachloroethane	14.052	117	8920	2.509	ug/l	100
91) 1,2-Dichlorobenzene	13.828	146	20507	2.538	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.446	75	1810	3.037	ug/l	82
93) 1,2,4-Trichlorobenzene	15.093	180	14185	2.802	ug/l	98
94) Hexachlorobutadiene	15.199	225	6607	2.827	ug/l	96
95) Naphthalene	15.328	128	29197	2.595	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	11408	2.621	ug/l	99

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

