

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062625\
 Data File : VD080483.D
 Acq On : 26 Jun 2025 15:58
 Operator : RP/MD
 Sample : Q2126-02
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

Quant Time: Jun 27 05:45:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062625S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:45:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
 Supervised By :Semsettin Yesilyurt 06/27/2025

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	409581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	781522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.576	117	682949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	308244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	233440	58.137	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.280%			
35) Dibromofluoromethane	7.806	113	242359	55.381	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.760%			
50) Toluene-d8	10.264	98	961894	54.408	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.820%			
62) 4-Bromofluorobenzene	12.570	95	312622	53.930	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	18707	5.138	ug/l	95
3) Chloromethane	2.147	50	28916	5.686	ug/l	92
4) Vinyl Chloride	2.288	62	28919	5.606	ug/l	97
5) Bromomethane	2.694	94	18663	6.546	ug/l	99
6) Chloroethane	2.841	64	21114m	6.521	ug/l	
7) Trichlorofluoromethane	3.182	101	32849	5.062	ug/l	98
8) Diethyl Ether	3.594	74	14155	5.603	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.976	101	22739	5.297	ug/l	98
10) Methyl Iodide	4.170	142	23840	4.716	ug/l	99
11) Tert butyl alcohol	5.059	59	9327	28.528	ug/l #	82
12) 1,1-Dichloroethene	3.947	96	23512	5.072	ug/l	94
13) Acrolein	3.806	56	12684	28.469	ug/l	92
14) Allyl chloride	4.559	41	42903	5.286	ug/l	97
15) Acrylonitrile	5.259	53	33270	27.681	ug/l	97
16) Acetone	4.018	43	29709	28.637	ug/l	94
17) Carbon Disulfide	4.276	76	73685	5.034	ug/l	98
18) Methyl Acetate	4.565	43	18803	5.959	ug/l	97
19) Methyl tert-butyl Ether	5.317	73	62592	5.433	ug/l	97
20) Methylene Chloride	4.806	84	57066	8.787	ug/l	96
21) trans-1,2-Dichloroethene	5.317	96	28502	5.513	ug/l	88
22) Diisopropyl ether	6.217	45	87467	5.581	ug/l #	96
23) Vinyl Acetate	6.159	43	239835	26.857	ug/l	99
24) 1,1-Dichloroethane	6.112	63	49472	5.380	ug/l	99
25) 2-Butanone	7.082	43	41532	27.275	ug/l	96
26) 2,2-Dichloropropane	7.076	77	37801	5.195	ug/l	97
27) cis-1,2-Dichloroethene	7.082	96	33623	5.440	ug/l	98
28) Bromochloromethane	7.429	49	21593	5.956	ug/l	92
29) Tetrahydrofuran	7.441	42	26841	27.980	ug/l	97
30) Chloroform	7.594	83	48120	5.467	ug/l	100
31) Cyclohexane	7.876	56	51463	5.776	ug/l #	81
32) 1,1,1-Trichloroethane	7.788	97	39104	5.313	ug/l	96
36) 1,1-Dichloropropene	8.006	75	34423	5.036	ug/l	99
37) Ethyl Acetate	7.170	43	17977m	5.412	ug/l	
38) Carbon Tetrachloride	7.988	117	31971	4.896	ug/l	97
39) Methylcyclohexane	9.270	83	44338	4.712	ug/l	95
40) Benzene	8.253	78	113213	5.161	ug/l	96

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Reviewed By :Mahesh Dadoda 06/27/2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.406	41	11481	5.408	ug/l	94
42) 1,2-Dichloroethane	8.323	62	28064	5.438	ug/l	97
43) Isopropyl Acetate	8.364	43	34463	5.272	ug/l	97
44) Trichloroethene	9.029	130	26389	4.964	ug/l	94
45) 1,2-Dichloropropane	9.305	63	28950	5.442	ug/l	94
46) Dibromomethane	9.394	93	14001	4.936	ug/l	93
47) Bromodichloromethane	9.582	83	36366	5.171	ug/l	95
48) Methyl methacrylate	9.382	41	17540	5.304	ug/l	96
49) 1,4-Dioxane	9.382	88	4358	118.430	ug/l	90
51) 4-Methyl-2-Pentanone	10.158	43	85810	25.848	ug/l	100
52) Toluene	10.335	92	71667	5.227	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	36406	5.169	ug/l	94
54) cis-1,3-Dichloropropene	10.017	75	44263	5.231	ug/l	98
55) 1,1,2-Trichloroethane	10.735	97	20046	5.184	ug/l	93
56) Ethyl methacrylate	10.600	69	29298	5.308	ug/l	94
57) 1,3-Dichloropropane	10.876	76	36079	5.333	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	58770	27.880	ug/l	97
59) 2-Hexanone	10.917	43	62296	26.513	ug/l	99
60) Dibromochloromethane	11.070	129	24229	5.077	ug/l	100
61) 1,2-Dibromoethane	11.176	107	18957	5.127	ug/l	98
64) Tetrachloroethene	10.811	164	21410	5.051	ug/l	95
65) Chlorobenzene	11.605	112	78076	5.301	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.676	131	25391	5.485	ug/l	96
67) Ethyl Benzene	11.682	91	132317	5.136	ug/l	98
68) m/p-Xylenes	11.788	106	100934	10.289	ug/l	99
69) o-Xylene	12.117	106	48487	5.122	ug/l	98
70) Styrene	12.135	104	83042	5.186	ug/l	99
71) Bromoform	12.299	173	14078	5.340	ug/l #	94
73) Isopropylbenzene	12.417	105	122571	5.115	ug/l	100
74) N-amyl acetate	12.229	43	33208	5.293	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	21897	4.908	ug/l	93
76) 1,2,3-Trichloropropane	12.717	75	13381m	5.107	ug/l	
77) Bromobenzene	12.699	156	28294	5.280	ug/l	97
78) n-propylbenzene	12.758	91	148022	5.132	ug/l	100
79) 2-Chlorotoluene	12.846	91	86118	5.191	ug/l	98
80) 1,3,5-Trimethylbenzene	12.899	105	101657	5.232	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	8508	4.825	ug/l	91
82) 4-Chlorotoluene	12.941	91	90637	5.319	ug/l	99
83) tert-Butylbenzene	13.164	119	85892	5.054	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	99750	5.142	ug/l	99
85) sec-Butylbenzene	13.341	105	127777	5.090	ug/l	99
86) p-Isopropyltoluene	13.458	119	105183	5.063	ug/l	99
87) 1,3-Dichlorobenzene	13.452	146	54761	5.284	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	54771	5.295	ug/l	94
89) n-Butylbenzene	13.782	91	102798	5.156	ug/l	98
90) Hexachloroethane	14.046	117	20426	5.089	ug/l	96
91) 1,2-Dichlorobenzene	13.829	146	47016	5.154	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.440	75	3740	5.558	ug/l	86
93) 1,2,4-Trichlorobenzene	15.093	180	31144	5.449	ug/l	96
94) Hexachlorobutadiene	15.199	225	13981	5.299	ug/l	98
95) Naphthalene	15.329	128	68045	5.358	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	27263	5.547	ug/l	98

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

