

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062625\
 Data File : VD080482.D
 Acq On : 26 Jun 2025 15:06
 Operator : RP/MD
 Sample : VD0626SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

Quant Time: Jun 27 05:28:25 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

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	435504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	807335	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.576	117	702297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.511	152	316333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	227798	53.355	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.720%			
35) Dibromofluoromethane	7.800	113	240925	53.293	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.580%			
50) Toluene-d8	10.264	98	969353	53.077	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.160%			
62) 4-Bromofluorobenzene	12.570	95	313295	52.318	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.929	85	78767	20.345	ug/l	99
3) Chloromethane	2.147	50	115232	21.311	ug/l	98
4) Vinyl Chloride	2.288	62	110774	20.195	ug/l	99
5) Bromomethane	2.688	94	67248	22.182	ug/l	98
6) Chloroethane	2.835	64	73182	21.256	ug/l	95
7) Trichlorofluoromethane	3.176	101	137114	19.871	ug/l	99
8) Diethyl Ether	3.594	74	55808	20.777	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.965	101	93022	20.378	ug/l	99
10) Methyl Iodide	4.165	142	104854	19.506	ug/l	98
11) Tert butyl alcohol	5.053	59	35519	102.175	ug/l	96
12) 1,1-Dichloroethene	3.941	96	99483	20.184	ug/l	98
13) Acrolein	3.794	56	48657	102.711	ug/l	97
14) Allyl chloride	4.559	41	175811	20.371	ug/l	99
15) Acrylonitrile	5.247	53	130339	101.990	ug/l	100
16) Acetone	4.017	43	105392	95.541	ug/l	96
17) Carbon Disulfide	4.270	76	303616	19.506	ug/l	100
18) Methyl Acetate	4.559	43	77090	22.975	ug/l	98
19) Methyl tert-butyl Ether	5.312	73	251289	20.515	ug/l	97
20) Methylene Chloride	4.806	84	135936	20.534	ug/l	99
21) trans-1,2-Dichloroethene	5.317	96	110215	20.048	ug/l	97
22) Diisopropyl ether	6.217	45	347387	20.847	ug/l	97
23) Vinyl Acetate	6.153	43	942578	99.270	ug/l	99
24) 1,1-Dichloroethane	6.111	63	200839	20.541	ug/l	99
25) 2-Butanone	7.076	43	163282	100.849	ug/l	98
26) 2,2-Dichloropropane	7.082	77	153639	19.856	ug/l	97
27) cis-1,2-Dichloroethene	7.082	96	137469	20.917	ug/l	99
28) Bromochloromethane	7.423	49	84176	21.837	ug/l	99
29) Tetrahydrofuran	7.447	42	102356	100.348	ug/l	99
30) Chloroform	7.600	83	197626	21.115	ug/l	98
31) Cyclohexane	7.876	56	188942	19.943	ug/l	98
32) 1,1,1-Trichloroethane	7.794	97	158337	20.234	ug/l	100
36) 1,1-Dichloropropene	8.005	75	140078	19.840	ug/l	99
37) Ethyl Acetate	7.170	43	67356m	19.628	ug/l	
38) Carbon Tetrachloride	7.994	117	133827	19.839	ug/l	94
39) Methylcyclohexane	9.270	83	190880	19.636	ug/l	96
40) Benzene	8.253	78	457453	20.187	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	37237	16.978	ug/l #	86
42) 1,2-Dichloroethane	8.323	62	107410	20.148	ug/l	97
43) Isopropyl Acetate	8.358	43	132152	19.568	ug/l	98
44) Trichloroethene	9.029	130	108756	19.803	ug/l	100
45) 1,2-Dichloropropane	9.305	63	113198	20.597	ug/l	100
46) Dibromomethane	9.394	93	59308	20.240	ug/l	99
47) Bromodichloromethane	9.582	83	148282	20.412	ug/l	99
48) Methyl methacrylate	9.376	41	67473	19.750	ug/l	96
49) 1,4-Dioxane	9.382	88	15033	395.465	ug/l	97
51) 4-Methyl-2-Pentanone	10.158	43	343654	100.206	ug/l	100
52) Toluene	10.329	92	286293	20.213	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	146701	20.162	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	177760	20.336	ug/l	96
55) 1,1,2-Trichloroethane	10.729	97	81603	20.429	ug/l	95
56) Ethyl methacrylate	10.594	69	114865	20.146	ug/l	99
57) 1,3-Dichloropropane	10.876	76	144055	20.612	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.864	63	224807	103.236	ug/l	99
59) 2-Hexanone	10.917	43	240994	99.289	ug/l	98
60) Dibromochloromethane	11.070	129	100277	20.339	ug/l	100
61) 1,2-Dibromoethane	11.176	107	76083	19.920	ug/l	99
64) Tetrachloroethene	10.805	164	87168	19.998	ug/l	98
65) Chlorobenzene	11.605	112	307275	20.286	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.676	131	99600	20.923	ug/l	98
67) Ethyl Benzene	11.682	91	539100	20.349	ug/l	99
68) m/p-Xylenes	11.788	106	408853	40.528	ug/l	99
69) o-Xylene	12.117	106	195880	20.121	ug/l	100
70) Styrene	12.135	104	338536	20.559	ug/l	99
71) Bromoform	12.294	173	52220	19.261	ug/l #	98
73) Isopropylbenzene	12.417	105	500775	20.364	ug/l	99
74) N-amyl acetate	12.229	43	126536	19.652	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	93510	20.422	ug/l	98
76) 1,2,3-Trichloropropane	12.723	75	53331m	19.833	ug/l	
77) Bromobenzene	12.699	156	114243	20.774	ug/l	97
78) n-propylbenzene	12.758	91	606210	20.479	ug/l	99
79) 2-Chlorotoluene	12.846	91	346911	20.377	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	405231	20.321	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.464	75	36456	20.146	ug/l	100
82) 4-Chlorotoluene	12.941	91	350485	20.043	ug/l	99
83) tert-Butylbenzene	13.164	119	353829	20.286	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	411379	20.664	ug/l	100
85) sec-Butylbenzene	13.341	105	531729	20.640	ug/l	99
86) p-Isopropyltoluene	13.458	119	437371	20.516	ug/l	100
87) 1,3-Dichlorobenzene	13.452	146	220972	20.776	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	223495	21.052	ug/l	99
89) n-Butylbenzene	13.782	91	422472	20.648	ug/l	99
90) Hexachloroethane	14.046	117	82400	20.005	ug/l	99
91) 1,2-Dichlorobenzene	13.829	146	193306	20.648	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.440	75	13778	19.951	ug/l	94
93) 1,2,4-Trichlorobenzene	15.093	180	125338	21.367	ug/l	98
94) Hexachlorobutadiene	15.199	225	53338	19.697	ug/l	97
95) Naphthalene	15.329	128	264814	20.317	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	106119	21.040	ug/l	99

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

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