

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062725\
 Data File : VD080491.D
 Acq On : 27 Jun 2025 12:34
 Operator : RP/MD
 Sample : VD0627SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

Manual Integrations
 APPROVED

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

Quant Time: Jun 28 03:07:38 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	391277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	708395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	608264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	278449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	210472	54.869	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.740%			
35) Dibromofluoromethane	7.806	113	220914	55.692	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.380%			
50) Toluene-d8	10.270	98	894779	55.837	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.680%			
62) 4-Bromofluorobenzene	12.570	95	282550	53.774	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	71790	20.638	ug/l	99
3) Chloromethane	2.147	50	105413	21.699	ug/l	99
4) Vinyl Chloride	2.288	62	106635	21.638	ug/l	94
5) Bromomethane	2.688	94	66598	24.451	ug/l	99
6) Chloroethane	2.841	64	69353	22.421	ug/l	97
7) Trichlorofluoromethane	3.182	101	129237	20.846	ug/l	95
8) Diethyl Ether	3.594	74	53101	22.004	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.970	101	87039	21.223	ug/l	98
10) Methyl Iodide	4.165	142	96748	20.032	ug/l	99
11) Tert butyl alcohol	5.047	59	30027	96.140	ug/l	96
12) 1,1-Dichloroethene	3.941	96	90005	20.325	ug/l	94
13) Acrolein	3.800	56	42696	100.315	ug/l	97
14) Allyl chloride	4.565	41	161608	20.842	ug/l	99
15) Acrylonitrile	5.259	53	115365	100.476	ug/l	98
16) Acetone	4.023	43	129558	130.723	ug/l	97
17) Carbon Disulfide	4.276	76	272651	19.497	ug/l	100
18) Methyl Acetate	4.565	43	55222	18.318	ug/l	98
19) Methyl tert-butyl Ether	5.312	73	223455	20.305	ug/l	99
20) Methylene Chloride	4.806	84	139997	24.012	ug/l	98
21) trans-1,2-Dichloroethene	5.312	96	99028	20.049	ug/l	92
22) Diisopropyl ether	6.211	45	311656	20.817	ug/l	94
23) Vinyl Acetate	6.153	43	904087	105.978	ug/l	98
24) 1,1-Dichloroethane	6.111	63	184745	21.030	ug/l	100
25) 2-Butanone	7.082	43	167438	115.106	ug/l	97
26) 2,2-Dichloropropane	7.076	77	146612	21.090	ug/l	99
27) cis-1,2-Dichloroethene	7.082	96	117345	19.873	ug/l	97
28) Bromochloromethane	7.429	49	77364	22.338	ug/l	94
29) Tetrahydrofuran	7.447	42	93856	102.415	ug/l	97
30) Chloroform	7.594	83	174304	20.728	ug/l	93
31) Cyclohexane	7.876	56	170878	20.075	ug/l	98
32) 1,1,1-Trichloroethane	7.794	97	146216	20.797	ug/l	99
36) 1,1-Dichloropropene	8.011	75	128929	20.811	ug/l	98
37) Ethyl Acetate	7.164	43	59020	19.601	ug/l	97
38) Carbon Tetrachloride	7.994	117	121597	20.543	ug/l	96
39) Methylcyclohexane	9.270	83	172204	20.189	ug/l	98
40) Benzene	8.253	78	408730	20.556	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	43396	22.550	ug/l	90
42) 1,2-Dichloroethane	8.323	62	96324	20.592	ug/l	100
43) Isopropyl Acetate	8.358	43	123575	20.854	ug/l	99
44) Trichloroethene	9.029	130	101414	21.045	ug/l	96
45) 1,2-Dichloropropane	9.305	63	100795	20.902	ug/l	97
46) Dibromomethane	9.394	93	52722	20.505	ug/l	99
47) Bromodichloromethane	9.588	83	133780	20.987	ug/l	98
48) Methyl methacrylate	9.382	41	61600	20.549	ug/l	97
49) 1,4-Dioxane	9.382	88	12284	368.282	ug/l	98
51) 4-Methyl-2-Pentanone	10.158	43	315168	104.735	ug/l	97
52) Toluene	10.335	92	254876	20.509	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	130604	20.457	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	159344	20.776	ug/l	99
55) 1,1,2-Trichloroethane	10.729	97	72426	20.664	ug/l	98
56) Ethyl methacrylate	10.594	69	100693	20.126	ug/l	98
57) 1,3-Dichloropropane	10.882	76	124520	20.305	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.870	63	201413	105.411	ug/l	99
59) 2-Hexanone	10.917	43	235551	110.600	ug/l	99
60) Dibromochloromethane	11.070	129	89090	20.594	ug/l	100
61) 1,2-Dibromoethane	11.176	107	67383	20.106	ug/l	98
64) Tetrachloroethene	10.811	164	79816	21.142	ug/l	99
65) Chlorobenzene	11.605	112	271563	20.700	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.682	131	88262	21.407	ug/l	97
67) Ethyl Benzene	11.682	91	481268	20.974	ug/l	100
68) m/p-Xylenes	11.788	106	366072	41.897	ug/l	99
69) o-Xylene	12.117	106	173265	20.550	ug/l	99
70) Styrene	12.135	104	298408	20.924	ug/l	99
71) Bromoform	12.299	173	48643	20.715	ug/l #	99
73) Isopropylbenzene	12.417	105	453096	20.932	ug/l	99
74) N-amyl acetate	12.229	43	117723	20.771	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	79723	19.780	ug/l	99
76) 1,2,3-Trichloropropane	12.723	75	48946m	20.679	ug/l	
77) Bromobenzene	12.699	156	98714	20.392	ug/l	99
78) n-propylbenzene	12.758	91	544033	20.879	ug/l	99
79) 2-Chlorotoluene	12.846	91	305206	20.366	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	362511	20.652	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	30282	19.011	ug/l	93
82) 4-Chlorotoluene	12.946	91	312923	20.329	ug/l	100
83) tert-Butylbenzene	13.164	119	315954	20.579	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	358934	20.482	ug/l	100
85) sec-Butylbenzene	13.341	105	478035	21.081	ug/l	100
86) p-Isopropyltoluene	13.458	119	388635	20.710	ug/l	99
87) 1,3-Dichlorobenzene	13.452	146	191948	20.503	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	193310	20.686	ug/l	99
89) n-Butylbenzene	13.782	91	379943	21.096	ug/l	99
90) Hexachloroethane	14.052	117	73967	20.401	ug/l	97
91) 1,2-Dichlorobenzene	13.829	146	170051	20.636	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	11480	18.885	ug/l	96
93) 1,2,4-Trichlorobenzene	15.093	180	104603	20.259	ug/l	99
94) Hexachlorobutadiene	15.199	225	49007	20.560	ug/l	99
95) Naphthalene	15.329	128	223337	19.466	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	89557	20.172	ug/l	99

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

