

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082725\
 Data File : VD080496.D
 Acq On : 27 Aug 2025 09:14
 Operator : RP/MD
 Sample : VSTDICC005
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/28/2025
 Supervised By :Semsettin Yesilyurt 08/28/2025

Quant Time: Aug 28 02:46:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082725S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 28 02:42:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	447825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	794201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	689417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	318150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	24064	4.763	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.520%#		
35) Dibromofluoromethane	7.806	113	23592	3.235	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	6.460%#		
50) Toluene-d8	10.270	98	97744	3.649	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	7.300%#		
62) 4-Bromofluorobenzene	12.570	95	32652	3.146	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	6.300%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	22497	5.900	ug/l	92
3) Chloromethane	2.147	50	34237	5.688	ug/l	99
4) Vinyl Chloride	2.288	62	33617	5.412	ug/l	98
5) Bromomethane	2.700	94	21029	6.024	ug/l	99
6) Chloroethane	2.841	64	22434	5.533	ug/l	95
7) Trichlorofluoromethane	3.182	101	38687	5.348	ug/l	91
8) Diethyl Ether	3.600	74	15140	5.281	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.976	101	26444	5.633	ug/l	99
10) Methyl Iodide	4.165	142	23903	4.411	ug/l	98
11) Tert butyl alcohol	5.047	59	10541m	28.830	ug/l	
12) 1,1-Dichloroethene	3.953	96	25538	5.222	ug/l	95
13) Acrolein	3.800	56	11003	28.315	ug/l	98
14) Allyl chloride	4.565	41	42787	5.042	ug/l	95
15) Acrylonitrile	5.253	53	32869	25.746	ug/l	99
16) Acetone	4.023	43	33394	28.232	ug/l	100
17) Carbon Disulfide	4.270	76	89298	5.400	ug/l	99
18) Methyl Acetate	4.565	43	17501	5.258	ug/l	98
19) Methyl tert-butyl Ether	5.323	73	67052	5.225	ug/l	98
20) Methylene Chloride	4.800	84	39947	6.148	ug/l	97
21) trans-1,2-Dichloroethene	5.312	96	29434	5.257	ug/l	96
22) Diisopropyl ether	6.217	45	89877	5.145	ug/l	97
23) Vinyl Acetate	6.153	43	252173	25.370	ug/l	97
24) 1,1-Dichloroethane	6.117	63	53733	5.314	ug/l	99
25) 2-Butanone	7.088	43	44354	26.482	ug/l	97
26) 2,2-Dichloropropane	7.076	77	42835	5.351	ug/l	97
27) cis-1,2-Dichloroethene	7.082	96	33994	5.088	ug/l	95
28) Bromochloromethane	7.429	49	20466	4.967	ug/l	99
29) Tetrahydrofuran	7.453	42	28021	26.476	ug/l	94
30) Chloroform	7.600	83	49846	5.156	ug/l	97
31) Cyclohexane	7.882	56	57089	6.032	ug/l #	79
32) 1,1,1-Trichloroethane	7.788	97	42456	5.274	ug/l	98
36) 1,1-Dichloropropene	8.011	75	38571	5.542	ug/l	97
37) Ethyl Acetate	7.164	43	17218	5.145	ug/l	97
38) Carbon Tetrachloride	7.994	117	35604	5.375	ug/l	93
39) Methylcyclohexane	9.276	83	50984	5.504	ug/l	95
40) Benzene	8.253	78	119326	5.387	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	8854	4.456	ug/l #	90
42) 1,2-Dichloroethane	8.329	62	28538	5.319	ug/l	98
43) Isopropyl Acetate	8.358	43	36718	5.392	ug/l	99
44) Trichloroethene	9.029	130	29545	5.498	ug/l	100
45) 1,2-Dichloropropane	9.305	63	29620	5.392	ug/l #	87
46) Dibromomethane	9.394	93	15227	5.174	ug/l	97
47) Bromodichloromethane	9.582	83	36345	5.066	ug/l #	99
48) Methyl methacrylate	9.382	41	18176	5.385	ug/l	98
49) 1,4-Dioxane	9.376	88	3583	98.480	ug/l #	74
51) 4-Methyl-2-Pentanone	10.153	43	90932	26.777	ug/l	99
52) Toluene	10.335	92	74975	5.428	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	37922	5.186	ug/l	97
54) cis-1,3-Dichloropropene	10.017	75	46626	5.332	ug/l	99
55) 1,1,2-Trichloroethane	10.735	97	21000	5.322	ug/l	98
56) Ethyl methacrylate	10.594	69	28887	5.255	ug/l	96
57) 1,3-Dichloropropane	10.876	76	36786	5.312	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.870	63	53705	25.244	ug/l	100
59) 2-Hexanone	10.917	43	64945	26.916	ug/l	99
60) Dibromochloromethane	11.070	129	26229	5.275	ug/l	99
61) 1,2-Dibromoethane	11.182	107	19058	5.076	ug/l	99
64) Tetrachloroethene	10.805	164	23484	5.516	ug/l	94
65) Chlorobenzene	11.605	112	79593	5.418	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.682	131	25272	5.393	ug/l	99
67) Ethyl Benzene	11.682	91	136904	5.384	ug/l	97
68) m/p-Xylenes	11.794	106	104681	10.692	ug/l	98
69) o-Xylene	12.117	106	49687	5.318	ug/l	99
70) Styrene	12.129	104	84266	5.301	ug/l	99
71) Bromoform	12.294	173	13939	5.234	ug/l #	99
73) Isopropylbenzene	12.417	105	127564	5.473	ug/l	100
74) N-amyl acetate	12.229	43	33621	5.435	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	22562	5.206	ug/l	90
76) 1,2,3-Trichloropropane	12.723	75	10866m	4.185	ug/l	
77) Bromobenzene	12.699	156	29036	5.384	ug/l	97
78) n-propylbenzene	12.758	91	157188	5.553	ug/l	99
79) 2-Chlorotoluene	12.846	91	88397	5.481	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	104904	5.538	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.464	75	9560	5.588	ug/l	99
82) 4-Chlorotoluene	12.946	91	91061	5.489	ug/l	100
83) tert-Butylbenzene	13.164	119	89108	5.422	ug/l	100
84) 1,2,4-Trimethylbenzene	13.211	105	103894	5.447	ug/l	98
85) sec-Butylbenzene	13.341	105	135636	5.530	ug/l	98
86) p-Isopropyltoluene	13.458	119	113150	5.515	ug/l	98
87) 1,3-Dichlorobenzene	13.458	146	54705	5.261	ug/l	97
88) 1,4-Dichlorobenzene	13.535	146	57608	5.517	ug/l	96
89) n-Butylbenzene	13.782	91	106442	5.446	ug/l	98
90) Hexachloroethane	14.052	117	21674	5.461	ug/l	99
91) 1,2-Dichlorobenzene	13.829	146	50578	5.466	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.446	75	3643	5.602	ug/l	91
93) 1,2,4-Trichlorobenzene	15.093	180	31510	5.435	ug/l	100
94) Hexachlorobutadiene	15.199	225	14577	5.532	ug/l	98
95) Naphthalene	15.329	128	66462	5.389	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	26484	5.336	ug/l	98

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

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