

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082725\
 Data File : VD080503.D
 Acq On : 27 Aug 2025 13:40
 Operator : RP/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD082725

Quant Time: Aug 28 03:04:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082725S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 28 03:02:37 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	421611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	743840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	643880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.511	152	305824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	201635	42.390	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.780%		
35) Dibromofluoromethane	7.805	113	210525	46.598	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.200%		
50) Toluene-d8	10.264	98	843864	47.066	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.140%		
62) 4-Bromofluorobenzene	12.570	95	264213	46.750	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	153194	42.677	ug/l	97
3) Chloromethane	2.147	50	247775	43.727	ug/l	99
4) Vinyl Chloride	2.282	62	267580	45.756	ug/l	99
5) Bromomethane	2.694	94	150929	45.924	ug/l	99
6) Chloroethane	2.841	64	175326	45.932	ug/l	99
7) Trichlorofluoromethane	3.176	101	320339	47.033	ug/l	97
8) Diethyl Ether	3.594	74	122627	45.435	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.976	101	204902	46.364	ug/l	97
10) Methyl Iodide	4.165	142	244958	48.012	ug/l	99
11) Tert butyl alcohol	5.047	59	77395	224.839	ug/l	98
12) 1,1-Dichloroethene	3.941	96	216990	47.130	ug/l	99
13) Acrolein	3.794	56	87096	238.067	ug/l	97
14) Allyl chloride	4.564	41	368879	46.169	ug/l	100
15) Acrylonitrile	5.253	53	280120	233.055	ug/l	99
16) Acetone	4.023	43	241559	216.920	ug/l	96
17) Carbon Disulfide	4.270	76	712278	45.750	ug/l	99
18) Methyl Acetate	4.564	43	169323	54.031	ug/l	100
19) Methyl tert-butyl Ether	5.317	73	569466	47.133	ug/l	98
20) Methylene Chloride	4.806	84	252528	41.281	ug/l	96
21) trans-1,2-Dichloroethene	5.311	96	246793	46.823	ug/l	98
22) Diisopropyl ether	6.217	45	768834	46.752	ug/l	98
23) Vinyl Acetate	6.153	43	2110234	225.501	ug/l	97
24) 1,1-Dichloroethane	6.117	63	442081	46.440	ug/l	99
25) 2-Butanone	7.076	43	358523	227.373	ug/l	97
26) 2,2-Dichloropropane	7.076	77	351081	46.581	ug/l	100
27) cis-1,2-Dichloroethene	7.082	96	293212	46.612	ug/l	99
28) Bromochloromethane	7.429	49	181878	46.884	ug/l	97
29) Tetrahydrofuran	7.441	42	234316	235.160	ug/l	99
30) Chloroform	7.594	83	431498	47.406	ug/l	99
31) Cyclohexane	7.876	56	406709	45.645	ug/l	97
32) 1,1,1-Trichloroethane	7.794	97	362130	47.781	ug/l	100
36) 1,1-Dichloropropene	8.011	75	319218	48.972	ug/l	98
37) Ethyl Acetate	7.170	43	148406	47.346	ug/l	97
38) Carbon Tetrachloride	7.994	117	307328	49.538	ug/l	96
39) Methylcyclohexane	9.276	83	426656	49.175	ug/l	98
40) Benzene	8.253	78	1001773	48.290	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	101464	54.522	ug/l	89
42) 1,2-Dichloroethane	8.323	62	245100	48.778	ug/l	100
43) Isopropyl Acetate	8.358	43	305347	47.879	ug/l	99
44) Trichloroethene	9.029	130	246930	49.063	ug/l	97
45) 1,2-Dichloropropane	9.305	63	248371	48.276	ug/l	100
46) Dibromomethane	9.394	93	138656	50.305	ug/l	99
47) Bromodichloromethane	9.582	83	334037	49.711	ug/l	99
48) Methyl methacrylate	9.382	41	156276	49.430	ug/l	98
49) 1,4-Dioxane	9.382	88	33435	981.194	ug/l	97
51) 4-Methyl-2-Pentanone	10.158	43	772024	242.732	ug/l	100
52) Toluene	10.335	92	629956	48.693	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	336059	49.073	ug/l	100
54) cis-1,3-Dichloropropene	10.017	75	396311	48.393	ug/l	98
55) 1,1,2-Trichloroethane	10.729	97	180366	48.806	ug/l	97
56) Ethyl methacrylate	10.594	69	252166	48.975	ug/l	99
57) 1,3-Dichloropropane	10.876	76	318633	49.128	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.870	63	498660	250.267	ug/l	100
59) 2-Hexanone	10.917	43	542514	240.064	ug/l	99
60) Dibromochloromethane	11.070	129	228562	49.076	ug/l	100
61) 1,2-Dibromoethane	11.176	107	173005	49.200	ug/l	100
64) Tetrachloroethene	10.811	164	202536	50.935	ug/l	96
65) Chlorobenzene	11.605	112	682688	49.755	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.676	131	221276	50.561	ug/l	98
67) Ethyl Benzene	11.682	91	1190717	50.138	ug/l	100
68) m/p-Xylenes	11.788	106	913617	99.912	ug/l	99
69) o-Xylene	12.117	106	433649	49.696	ug/l	99
70) Styrene	12.135	104	747219	50.335	ug/l	99
71) Bromoform	12.293	173	126533	50.872	ug/l #	99
73) Isopropylbenzene	12.417	105	1109538	49.518	ug/l	99
74) N-amyl acetate	12.229	43	279983	47.087	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	209473	50.283	ug/l	98
76) 1,2,3-Trichloropropane	12.723	75	117664m	47.141	ug/l	
77) Bromobenzene	12.699	156	256930	49.559	ug/l	99
78) n-propylbenzene	12.758	91	1349133	49.586	ug/l	99
79) 2-Chlorotoluene	12.846	91	755190	48.709	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	903109	49.601	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.464	75	77941	47.395	ug/l	99
82) 4-Chlorotoluene	12.946	91	774102	48.541	ug/l	99
83) tert-Butylbenzene	13.164	119	793236	50.214	ug/l	99
84) 1,2,4-Trimethylbenzene	13.205	105	901160	49.155	ug/l	99
85) sec-Butylbenzene	13.340	105	1182802	50.167	ug/l	100
86) p-Isopropyltoluene	13.458	119	984645	49.925	ug/l	100
87) 1,3-Dichlorobenzene	13.452	146	498265	49.847	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	493137	49.131	ug/l	99
89) n-Butylbenzene	13.782	91	948678	50.495	ug/l	99
90) Hexachloroethane	14.052	117	189673	49.720	ug/l	100
91) 1,2-Dichlorobenzene	13.829	146	434911	48.893	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	30493	48.776	ug/l	98
93) 1,2,4-Trichlorobenzene	15.093	180	282505	50.691	ug/l	100
94) Hexachlorobutadiene	15.199	225	134422	53.067	ug/l	99
95) Naphthalene	15.329	128	595365	50.219	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	247479	51.873	ug/l	100

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

