

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082725\
 Data File : VD080501.D
 Acq On : 27 Aug 2025 12:22
 Operator : RP/MD
 Sample : VSTDICC150
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 28 02:51:30 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

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	403910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	738679	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	646418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	295430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	638448	140.104	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 280.200%#			
35) Dibromofluoromethane	7.805	113	665340	152.336	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 304.680%#			
50) Toluene-d8	10.270	98	2654952	152.659	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 305.320%#			
62) 4-Bromofluorobenzene	12.570	95	826682	152.805	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 305.620%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.935	85	468543	136.249	ug/l	97
3) Chloromethane	2.147	50	750456	138.244	ug/l	100
4) Vinyl Chloride	2.288	62	832545	148.605	ug/l	98
5) Bromomethane	2.676	94	459568	145.965	ug/l	98
6) Chloroethane	2.835	64	531029	145.215	ug/l	98
7) Trichlorofluoromethane	3.170	101	990071	151.735	ug/l	95
8) Diethyl Ether	3.588	74	392607	151.841	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.964	101	632718	149.442	ug/l	99
10) Methyl Iodide	4.164	142	814695	166.679	ug/l	99
11) Tert butyl alcohol	5.052	59	242655	735.826	ug/l	99
12) 1,1-Dichloroethene	3.941	96	682636	154.765	ug/l	97
13) Acrolein	3.794	56	253761	724.025	ug/l	99
14) Allyl chloride	4.558	41	1179583	154.105	ug/l	99
15) Acrylonitrile	5.247	53	905414	786.302	ug/l	100
16) Acetone	4.017	43	813014	762.081	ug/l	95
17) Carbon Disulfide	4.270	76	2246821	150.640	ug/l	99
18) Methyl Acetate	4.558	43	444390	148.018	ug/l	99
19) Methyl tert-butyl Ether	5.317	73	1800641	155.565	ug/l	100
20) Methylene Chloride	4.800	84	812181	138.587	ug/l	96
21) trans-1,2-Dichloroethene	5.311	96	777088	153.894	ug/l	97
22) Diisopropyl ether	6.217	45	2434755	154.545	ug/l	98
23) Vinyl Acetate	6.152	43	7115535	793.693	ug/l	99
24) 1,1-Dichloroethane	6.111	63	1394205	152.879	ug/l	98
25) 2-Butanone	7.082	43	1175429	778.117	ug/l	99
26) 2,2-Dichloropropane	7.076	77	1110318	153.770	ug/l	99
27) cis-1,2-Dichloroethene	7.082	96	944295	156.695	ug/l	100
28) Bromochloromethane	7.423	49	573811	154.396	ug/l	98
29) Tetrahydrofuran	7.446	42	739952	775.161	ug/l	100
30) Chloroform	7.594	83	1364343	156.462	ug/l	99
31) Cyclohexane	7.876	56	1241611	145.452	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	1132243	155.941	ug/l	100
36) 1,1-Dichloropropene	8.005	75	999993	154.484	ug/l	99
37) Ethyl Acetate	7.170	43	500539	160.803	ug/l	99
38) Carbon Tetrachloride	7.993	117	968991	157.282	ug/l	96
39) Methylcyclohexane	9.276	83	1336099	155.071	ug/l	96
40) Benzene	8.252	78	3189711	154.832	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	298762	161.663	ug/l	96
42) 1,2-Dichloroethane	8.323	62	771061	154.522	ug/l	99
43) Isopropyl Acetate	8.358	43	993725	156.906	ug/l	100
44) Trichloroethene	9.029	130	778295	155.722	ug/l	99
45) 1,2-Dichloropropane	9.305	63	792860	155.186	ug/l	99
46) Dibromomethane	9.393	93	434633	158.788	ug/l	99
47) Bromodichloromethane	9.582	83	1065944	159.742	ug/l	99
48) Methyl methacrylate	9.376	41	486782	155.045	ug/l	97
49) 1,4-Dioxane	9.382	88	107341	3172.072	ug/l	96
51) 4-Methyl-2-Pentanone	10.158	43	2470799	782.271	ug/l	100
52) Toluene	10.335	92	2016179	156.931	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	1067188	156.926	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	1278784	157.241	ug/l	99
55) 1,1,2-Trichloroethane	10.729	97	572744	156.065	ug/l	96
56) Ethyl methacrylate	10.593	69	815696	159.529	ug/l	98
57) 1,3-Dichloropropane	10.876	76	1007435	156.414	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	1594125	805.647	ug/l	99
59) 2-Hexanone	10.917	43	1740687	775.642	ug/l	98
60) Dibromochloromethane	11.070	129	735072	158.934	ug/l	100
61) 1,2-Dibromoethane	11.176	107	554779	158.873	ug/l	99
64) Tetrachloroethene	10.805	164	631388	158.162	ug/l	99
65) Chlorobenzene	11.605	112	2168764	157.443	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.676	131	709039	161.376	ug/l	99
67) Ethyl Benzene	11.682	91	3759644	157.689	ug/l	100
68) m/p-Xylenes	11.793	106	2898172	315.697	ug/l	99
69) o-Xylene	12.117	106	1390404	158.713	ug/l	98
70) Styrene	12.134	104	2363636	158.597	ug/l	99
71) Bromoform	12.299	173	405856	162.532	ug/l #	99
73) Isopropylbenzene	12.417	105	3429059	158.421	ug/l	100
74) N-amyl acetate	12.229	43	928204	161.595	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	645165	160.319	ug/l	100
76) 1,2,3-Trichloropropane	12.723	75	387097m	160.541	ug/l	
77) Bromobenzene	12.699	156	803293	160.398	ug/l	98
78) n-propylbenzene	12.758	91	4123091	156.871	ug/l	100
79) 2-Chlorotoluene	12.846	91	2373907	158.502	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	2784366	158.304	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	256735	161.609	ug/l	99
82) 4-Chlorotoluene	12.946	91	2426456	157.507	ug/l	99
83) tert-Butylbenzene	13.164	119	2453592	160.782	ug/l	100
84) 1,2,4-Trimethylbenzene	13.211	105	2863340	161.679	ug/l	99
85) sec-Butylbenzene	13.340	105	3620961	158.982	ug/l	99
86) p-Isopropyltoluene	13.458	119	3061175	160.674	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	1573366	162.940	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	1542627	159.097	ug/l	99
89) n-Butylbenzene	13.781	91	2925691	161.202	ug/l	99
90) Hexachloroethane	14.052	117	599253	162.613	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	1368366	159.244	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	97918	162.139	ug/l	97
93) 1,2,4-Trichlorobenzene	15.093	180	896121	166.451	ug/l	100
94) Hexachlorobutadiene	15.199	225	407981	166.729	ug/l	100
95) Naphthalene	15.328	128	1891624	165.172	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	781067	169.477	ug/l	99

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

