

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082725\
 Data File : VD080497.D
 Acq On : 27 Aug 2025 09:40
 Operator : RP/MD
 Sample : VSTDICC010
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Quant Time: Aug 28 02:47:43 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	452567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	886642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	810787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	380979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	71709	14.044	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	28.080%#		
35) Dibromofluoromethane	7.805	113	90850	15.690	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	31.380%#		
50) Toluene-d8	10.270	98	337171	14.690	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	29.380%#		
62) 4-Bromofluorobenzene	12.570	95	118924	16.059	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	32.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	42152	10.940	ug/l	91
3) Chloromethane	2.147	50	65746	10.809	ug/l	98
4) Vinyl Chloride	2.288	62	63759	10.157	ug/l	98
5) Bromomethane	2.694	94	34437	9.762	ug/l	98
6) Chloroethane	2.841	64	41151	10.043	ug/l	97
7) Trichlorofluoromethane	3.182	101	73169	10.008	ug/l	98
8) Diethyl Ether	3.600	74	29621	10.224	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.965	101	47177	9.945	ug/l	99
10) Methyl Iodide	4.159	142	49823	9.097	ug/l	97
11) Tert butyl alcohol	5.047	59	19555	52.923	ug/l	99
12) 1,1-Dichloroethene	3.941	96	47888	9.690	ug/l	95
13) Acrolein	3.800	56	19204	48.902	ug/l	90
14) Allyl chloride	4.564	41	85702	9.993	ug/l	99
15) Acrylonitrile	5.253	53	62010	48.062	ug/l	98
16) Acetone	4.017	43	58635	49.053	ug/l	92
17) Carbon Disulfide	4.276	76	166835	9.983	ug/l	99
18) Methyl Acetate	4.564	43	33769	10.039	ug/l	100
19) Methyl tert-butyl Ether	5.317	73	125637	9.687	ug/l	98
20) Methylene Chloride	4.806	84	68421	10.420	ug/l	92
21) trans-1,2-Dichloroethene	5.317	96	55765	9.856	ug/l	94
22) Diisopropyl ether	6.217	45	171928	9.740	ug/l	95
23) Vinyl Acetate	6.159	43	485668	48.349	ug/l	97
24) 1,1-Dichloroethane	6.117	63	98704	9.660	ug/l	94
25) 2-Butanone	7.082	43	84762	50.079	ug/l	98
26) 2,2-Dichloropropane	7.076	77	78198	9.665	ug/l	99
27) cis-1,2-Dichloroethene	7.082	96	65750	9.737	ug/l	99
28) Bromochloromethane	7.423	49	42331	10.166	ug/l	98
29) Tetrahydrofuran	7.447	42	51717	48.353	ug/l	99
30) Chloroform	7.600	83	94905	9.713	ug/l	98
31) Cyclohexane	7.882	56	95737	10.010	ug/l #	91
32) 1,1,1-Trichloroethane	7.794	97	79147	9.729	ug/l	99
36) 1,1-Dichloropropene	8.011	75	70338	9.053	ug/l	99
37) Ethyl Acetate	7.170	43	33701	9.020	ug/l #	91
38) Carbon Tetrachloride	7.994	117	66971	9.056	ug/l	93
39) Methylcyclohexane	9.276	83	94827	9.169	ug/l	96
40) Benzene	8.252	78	223946	9.057	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	20121	9.071	ug/l	94
42) 1,2-Dichloroethane	8.329	62	55623	9.287	ug/l	99
43) Isopropyl Acetate	8.358	43	68664	9.033	ug/l	100
44) Trichloroethene	9.029	130	53365	8.895	ug/l	90
45) 1,2-Dichloropropane	9.305	63	55908	9.117	ug/l	100
46) Dibromomethane	9.388	93	29890	9.098	ug/l	100
47) Bromodichloromethane	9.582	83	71525	8.930	ug/l	95
48) Methyl methacrylate	9.382	41	34030	9.030	ug/l	94
49) 1,4-Dioxane	9.388	88	7824	192.625	ug/l	94
51) 4-Methyl-2-Pentanone	10.158	43	171483	45.232	ug/l	99
52) Toluene	10.329	92	138478	8.980	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	74016	9.068	ug/l	100
54) cis-1,3-Dichloropropene	10.017	75	87324	8.946	ug/l	100
55) 1,1,2-Trichloroethane	10.735	97	40157	9.116	ug/l #	90
56) Ethyl methacrylate	10.599	69	55102	8.978	ug/l	98
57) 1,3-Dichloropropane	10.876	76	70234	9.085	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	100972	42.514	ug/l	98
59) 2-Hexanone	10.917	43	124993	46.402	ug/l	98
60) Dibromochloromethane	11.070	129	50416	9.082	ug/l	99
61) 1,2-Dibromoethane	11.176	107	38446	9.172	ug/l	99
64) Tetrachloroethene	10.805	164	43342	8.656	ug/l	96
65) Chlorobenzene	11.605	112	150495	8.710	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.676	131	46654	8.466	ug/l	98
67) Ethyl Benzene	11.682	91	262555	8.780	ug/l	97
68) m/p-Xylenes	11.788	106	201922	17.536	ug/l	99
69) o-Xylene	12.117	106	96232	8.758	ug/l	100
70) Styrene	12.135	104	161164	8.622	ug/l	100
71) Bromoform	12.299	173	26849	8.572	ug/l #	99
73) Isopropylbenzene	12.417	105	240003	8.598	ug/l	99
74) N-amyl acetate	12.229	43	64254	8.674	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	45718	8.810	ug/l	99
76) 1,2,3-Trichloropropane	12.723	75	34245m	11.013	ug/l	
77) Bromobenzene	12.699	156	55139	8.538	ug/l	96
78) n-propylbenzene	12.758	91	294759	8.696	ug/l	99
79) 2-Chlorotoluene	12.846	91	165751	8.582	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	195612	8.624	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	17754	8.666	ug/l	98
82) 4-Chlorotoluene	12.946	91	172115	8.664	ug/l	99
83) tert-Butylbenzene	13.164	119	169542	8.615	ug/l	99
84) 1,2,4-Trimethylbenzene	13.211	105	195668	8.568	ug/l	98
85) sec-Butylbenzene	13.340	105	254661	8.670	ug/l	99
86) p-Isopropyltoluene	13.458	119	210099	8.551	ug/l	100
87) 1,3-Dichlorobenzene	13.452	146	107530	8.635	ug/l	98
88) 1,4-Dichlorobenzene	13.535	146	108518	8.679	ug/l	96
89) n-Butylbenzene	13.782	91	203164	8.680	ug/l	99
90) Hexachloroethane	14.052	117	41697	8.774	ug/l	95
91) 1,2-Dichlorobenzene	13.829	146	96889	8.744	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	6819	8.756	ug/l	97
93) 1,2,4-Trichlorobenzene	15.093	180	58978	8.495	ug/l	100
94) Hexachlorobutadiene	15.199	225	27174	8.611	ug/l	99
95) Naphthalene	15.329	128	126590	8.571	ug/l	97
96) 1,2,3-Trichlorobenzene	15.517	180	49254	8.287	ug/l	97

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

