

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023388.D
 Acq On : 07 Oct 2025 12:09
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/10/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:44:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 04:39:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	595770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	855682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	764361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	400285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	467005	90.510	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 181.020%#			
35) Dibromofluoromethane	7.634	113	511478	98.497	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 197.000%#			
50) Toluene-d8	10.103	98	1919872	98.031	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 196.060%#			
62) 4-Bromofluorobenzene	12.401	95	636435	103.007	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 206.020%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	368985	78.627	ug/l	96
3) Chloromethane	2.068	50	521606	78.195	ug/l	96
4) Vinyl Chloride	2.202	62	711235	84.438	ug/l	100
5) Bromomethane	2.586	94	574957	83.210	ug/l	99
6) Chloroethane	2.732	64	491625	85.968	ug/l	99
7) Trichlorofluoromethane	3.049	101	1012851	93.610	ug/l	99
8) Diethyl Ether	3.452	74	266779	94.266	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	511482	88.441	ug/l	100
10) Methyl Iodide	4.001	142	651575	97.495	ug/l	99
11) Tert butyl alcohol	4.866	59	172718	568.898	ug/l	99
12) 1,1-Dichloroethene	3.787	96	508059	91.303	ug/l	96
13) Acrolein	3.647	56	262636	510.573	ug/l	99
14) Allyl chloride	4.378	41	637073	91.446	ug/l	99
15) Acrylonitrile	5.055	53	522511	471.296	ug/l	100
16) Acetone	3.866	43	504700	435.004	ug/l	98
17) Carbon Disulfide	4.104	76	1442005	83.061	ug/l	99
18) Methyl Acetate	4.385	43	316911	107.474	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	1300206	99.797	ug/l	97
20) Methylene Chloride	4.610	84	552018	87.742	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	569334	91.999	ug/l	96
22) Diisopropyl ether	6.018	45	1423347	92.133	ug/l	97
23) Vinyl Acetate	5.957	43	3975052	468.098	ug/l	99
24) 1,1-Dichloroethane	5.915	63	911619	89.517	ug/l	99
25) 2-Butanone	6.890	43	685693	478.154	ug/l	99
26) 2,2-Dichloropropane	6.884	77	833452	92.108	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	670773	95.557	ug/l	98
28) Bromochloromethane	7.244	49	321657	81.418	ug/l	99
29) Tetrahydrofuran	7.262	42	415867	488.587	ug/l	99
30) Chloroform	7.421	83	1003722	91.401	ug/l	100
31) Cyclohexane	7.701	56	767083	85.293	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	910837	92.399	ug/l	100
36) 1,1-Dichloropropene	7.835	75	692477	94.516	ug/l	99
37) Ethyl Acetate	6.982	43	280560	96.859	ug/l	98
38) Carbon Tetrachloride	7.817	117	833170	97.894	ug/l	99
39) Methylcyclohexane	9.109	83	947664	101.024	ug/l	99
40) Benzene	8.079	78	2192645	96.000	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	152239	101.200	ug/l	98
42) 1,2-Dichloroethane	8.158	62	554810	95.449	ug/l	100
43) Isopropyl Acetate	8.195	43	573653	101.815	ug/l	99
44) Trichloroethene	8.866	130	636149	99.245	ug/l	100
45) 1,2-Dichloropropane	9.140	63	485084	94.381	ug/l	99
46) Dibromomethane	9.231	93	309964	98.596	ug/l	99
47) Bromodichloromethane	9.420	83	769238	97.210	ug/l	99
48) Methyl methacrylate	9.219	41	282582	107.476	ug/l	99
49) 1,4-Dioxane	9.225	88	77305	2374.722	ug/l	99
51) 4-Methyl-2-Pentanone	9.993	43	1539324	533.386	ug/l	100
52) Toluene	10.170	92	1462927	100.905	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	710475	104.537	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	822967	101.302	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	417623	99.875	ug/l	96
56) Ethyl methacrylate	10.438	69	549366	114.077	ug/l	99
57) 1,3-Dichloropropane	10.713	76	670961	99.140	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	1240361	588.731	ug/l	99
59) 2-Hexanone	10.755	43	1081568	541.284	ug/l	99
60) Dibromochloromethane	10.908	129	593878	104.133	ug/l	100
61) 1,2-Dibromoethane	11.011	107	406293	103.280	ug/l	99
64) Tetrachloroethene	10.646	164	767753	100.406	ug/l	99
65) Chlorobenzene	11.438	112	1655143	99.649	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	586878	100.470	ug/l	99
67) Ethyl Benzene	11.517	91	2788252	102.856	ug/l	98
68) m/p-Xylenes	11.627	106	2243033	206.437	ug/l	100
69) o-Xylene	11.950	106	1072335	106.611	ug/l	99
70) Styrene	11.969	104	1782757	107.344	ug/l	100
71) Bromoform	12.127	173	373208	106.727	ug/l #	100
73) Isopropylbenzene	12.249	105	2741698	102.825	ug/l	100
74) N-amyl acetate	12.066	43	532255	106.818	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	434720	97.735	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	364622m	92.345	ug/l	
77) Bromobenzene	12.529	156	701741	102.545	ug/l	100
78) n-propylbenzene	12.590	91	3165894	100.958	ug/l	99
79) 2-Chlorotoluene	12.676	91	1800124	99.426	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	2219080	102.374	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	148302	101.273	ug/l	98
82) 4-Chlorotoluene	12.773	91	1854165	98.060	ug/l	99
83) tert-Butylbenzene	12.993	119	2028198	102.684	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	2227197	103.853	ug/l	100
85) sec-Butylbenzene	13.170	105	2932949	102.530	ug/l	100
86) p-Isopropyltoluene	13.285	119	2548220	105.408	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	1361716	100.735	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	1323618	98.734	ug/l	100
89) n-Butylbenzene	13.615	91	2223744	104.174	ug/l	99
90) Hexachloroethane	13.877	117	514746	98.069	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	1193043	101.146	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	70107	99.458	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	806328	116.031	ug/l	99
94) Hexachlorobutadiene	15.017	225	470072	108.557	ug/l	99
95) Naphthalene	15.139	128	1378291	124.485	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	693477	115.034	ug/l	100

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

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