

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100725\
 Data File : VY023387.D
 Acq On : 07 Oct 2025 11:47
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Oct 08 04:43:02 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	590340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	858767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	749869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	392169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	231295	45.240	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.480%		
35) Dibromofluoromethane	7.634	113	256331	49.185	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.360%		
50) Toluene-d8	10.103	98	969649	49.334	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.660%		
62) 4-Bromofluorobenzene	12.402	95	313426	50.546	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	189467	40.745	ug/l	100
3) Chloromethane	2.068	50	265142	40.113	ug/l	100
4) Vinyl Chloride	2.202	62	352993	42.293	ug/l	100
5) Bromomethane	2.592	94	277005	40.458	ug/l	100
6) Chloroethane	2.733	64	244551	43.157	ug/l	100
7) Trichlorofluoromethane	3.056	101	496981	46.354	ug/l	100
8) Diethyl Ether	3.452	74	126634	45.158	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	258100	45.039	ug/l	100
10) Methyl Iodide	4.001	142	317731	47.979	ug/l	100
11) Tert butyl alcohol	4.860	59	73642	244.793	ug/l	100
12) 1,1-Dichloroethene	3.787	96	252190	45.738	ug/l	100
13) Acrolein	3.647	56	123642	242.575	ug/l	100
14) Allyl chloride	4.379	41	310569	44.989	ug/l	100
15) Acrylonitrile	5.055	53	240668	219.075	ug/l	100
16) Acetone	3.866	43	247122	214.955	ug/l	100
17) Carbon Disulfide	4.104	76	722982	42.028	ug/l	100
18) Methyl Acetate	4.385	43	144816	49.563	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	601934	46.626	ug/l	100
20) Methylene Chloride	4.616	84	270612	43.409	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	277516	45.256	ug/l	100
22) Diisopropyl ether	6.019	45	686481	44.844	ug/l	100
23) Vinyl Acetate	5.958	43	1843784	219.119	ug/l	100
24) 1,1-Dichloroethane	5.915	63	448267	44.423	ug/l	100
25) 2-Butanone	6.890	43	310237	218.327	ug/l	100
26) 2,2-Dichloropropane	6.884	77	416391	46.440	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	320028	46.010	ug/l	100
28) Bromochloromethane	7.244	49	157414	40.211	ug/l	100
29) Tetrahydrofuran	7.262	42	187787	222.653	ug/l	100
30) Chloroform	7.421	83	493098	45.316	ug/l	100
31) Cyclohexane	7.701	56	379644	42.602	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	452713	46.347	ug/l	100
36) 1,1-Dichloropropene	7.835	75	341353	46.424	ug/l	100
37) Ethyl Acetate	6.982	43	129053	44.394	ug/l	100
38) Carbon Tetrachloride	7.817	117	413187	48.374	ug/l	100
39) Methylcyclohexane	9.109	83	452959	48.113	ug/l	100
40) Benzene	8.079	78	1080883	47.154	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	68542	45.399	ug/l	100
42) 1,2-Dichloroethane	8.152	62	270387	46.350	ug/l	100
43) Isopropyl Acetate	8.195	43	259041	45.811	ug/l	100
44) Trichloroethene	8.866	130	315104	48.982	ug/l	100
45) 1,2-Dichloropropane	9.140	63	234978	45.555	ug/l	100
46) Dibromomethane	9.231	93	148914	47.198	ug/l	100
47) Bromodichloromethane	9.420	83	377084	47.482	ug/l	100
48) Methyl methacrylate	9.219	41	126732	48.027	ug/l	100
49) 1,4-Dioxane	9.225	88	34053	1042.312	ug/l	100
51) 4-Methyl-2-Pentanone	9.993	43	682879	235.772	ug/l	100
52) Toluene	10.170	92	710404	48.824	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	330392	48.438	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	390619	47.910	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	198478	47.296	ug/l	100
56) Ethyl methacrylate	10.438	69	239407	49.535	ug/l	100
57) 1,3-Dichloropropane	10.713	76	321276	47.301	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	553816	261.921	ug/l	100
59) 2-Hexanone	10.756	43	479606	239.162	ug/l	100
60) Dibromochloromethane	10.908	129	281047	49.103	ug/l	100
61) 1,2-Dibromoethane	11.012	107	191356	48.468	ug/l	100
64) Tetrachloroethene	10.646	164	392056	52.264	ug/l	100
65) Chlorobenzene	11.438	112	789650	48.460	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	279583	48.788	ug/l	100
67) Ethyl Benzene	11.518	91	1332350	50.099	ug/l	100
68) m/p-Xylenes	11.627	106	1077583	101.092	ug/l	100
69) o-Xylene	11.950	106	502722	50.946	ug/l	100
70) Styrene	11.969	104	831908	51.059	ug/l	100
71) Bromoform	12.127	173	172315	50.229	ug/l #	100
73) Isopropylbenzene	12.249	105	1301009	49.803	ug/l	100
74) N-amyl acetate	12.066	43	227684	46.640	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	195565	44.878	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	169814m	43.898	ug/l	100
77) Bromobenzene	12.530	156	331331	49.419	ug/l	100
78) n-propylbenzene	12.591	91	1522965	49.572	ug/l	100
79) 2-Chlorotoluene	12.676	91	873335	49.235	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	1061112	49.966	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	66299	46.212	ug/l	100
82) 4-Chlorotoluene	12.773	91	892764	48.192	ug/l	100
83) tert-Butylbenzene	12.993	119	988936	51.104	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1061159	50.505	ug/l	100
85) sec-Butylbenzene	13.170	105	1405003	50.133	ug/l	100
86) p-Isopropyltoluene	13.286	119	1210644	51.115	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	649899	49.072	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	636694	48.476	ug/l	100
89) n-Butylbenzene	13.615	91	1051949	50.299	ug/l	100
90) Hexachloroethane	13.877	117	245108	47.664	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	567114	49.075	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32585	47.184	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	359833	52.852	ug/l	100
94) Hexachlorobutadiene	15.017	225	226316	53.346	ug/l	100
95) Naphthalene	15.139	128	575044	53.012	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	310831	52.628	ug/l	100

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

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