

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023668.D
 Acq On : 04 Nov 2025 12:14
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY110425

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 04:45:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	608113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	888282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	783299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	398785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	242791	46.805	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.620%		
35) Dibromofluoromethane	7.634	113	268074	48.291	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.580%		
50) Toluene-d8	10.109	98	1040318	50.309	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.620%		
62) 4-Bromofluorobenzene	12.402	95	344284	51.484	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	169445	42.448	ug/l	99
3) Chloromethane	2.074	50	256717	45.957	ug/l	99
4) Vinyl Chloride	2.208	62	330280	45.438	ug/l	98
5) Bromomethane	2.599	94	277800	45.434	ug/l	97
6) Chloroethane	2.739	64	235159	46.809	ug/l	99
7) Trichlorofluoromethane	3.056	101	474583	46.359	ug/l	98
8) Diethyl Ether	3.458	74	132465	48.252	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	267535	47.433	ug/l	100
10) Methyl Iodide	4.007	142	316753	47.558	ug/l	99
11) Tert butyl alcohol	4.860	59	75144	224.660	ug/l	96
12) 1,1-Dichloroethene	3.793	96	261851	48.194	ug/l	99
13) Acrolein	3.653	56	91811	213.558	ug/l	99
14) Allyl chloride	4.385	41	330702	50.006	ug/l	99
15) Acrylonitrile	5.062	53	257491	245.434	ug/l	99
16) Acetone	3.867	43	294814	228.644	ug/l	95
17) Carbon Disulfide	4.110	76	787691	47.235	ug/l	99
18) Methyl Acetate	4.385	43	126071	44.328	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	643310	51.062	ug/l	99
20) Methylene Chloride	4.616	84	285026	45.791	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	300477	49.048	ug/l	99
22) Diisopropyl ether	6.025	45	755561	51.273	ug/l	100
23) Vinyl Acetate	5.964	43	2077321	264.163	ug/l	100
24) 1,1-Dichloroethane	5.921	63	471845	48.064	ug/l	99
25) 2-Butanone	6.897	43	352581	236.507	ug/l	100
26) 2,2-Dichloropropane	6.890	77	437078	48.402	ug/l	99
27) cis-1,2-Dichloroethene	6.897	96	347603	49.682	ug/l	99
28) Bromochloromethane	7.250	49	176101	46.849	ug/l	99
29) Tetrahydrofuran	7.262	42	198667	250.229	ug/l	99
30) Chloroform	7.421	83	524526	47.888	ug/l	100
31) Cyclohexane	7.701	56	414807	48.520	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	471242	48.137	ug/l	99
36) 1,1-Dichloropropene	7.835	75	369989	49.878	ug/l	100
37) Ethyl Acetate	6.988	43	146441	50.997	ug/l	99
38) Carbon Tetrachloride	7.823	117	432288	49.462	ug/l	100
39) Methylcyclohexane	9.110	83	501162	52.876	ug/l	98
40) Benzene	8.079	78	1163766	49.773	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	68046	43.412	ug/l #	81
42) 1,2-Dichloroethane	8.159	62	287665	48.630	ug/l	99
43) Isopropyl Acetate	8.201	43	277810	51.490	ug/l #	87
44) Trichloroethene	8.866	130	327327	48.741	ug/l	97
45) 1,2-Dichloropropane	9.140	63	257161	49.835	ug/l	98
46) Dibromomethane	9.232	93	159165	49.780	ug/l	98
47) Bromodichloromethane	9.420	83	399133	49.512	ug/l	99
48) Methyl methacrylate	9.219	41	135247	53.056	ug/l	99
49) 1,4-Dioxane	9.225	88	32783	1001.883	ug/l	100
51) 4-Methyl-2-Pentanone	10.000	43	739467	257.714	ug/l	99
52) Toluene	10.170	92	769370	51.540	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	349820	51.286	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	418833	51.251	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	209781	49.096	ug/l	95
56) Ethyl methacrylate	10.439	69	259940	55.214	ug/l	99
57) 1,3-Dichloropropane	10.719	76	337613	49.813	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	586635	271.549	ug/l	100
59) 2-Hexanone	10.762	43	536488	256.278	ug/l	100
60) Dibromochloromethane	10.908	129	293578	50.005	ug/l	100
61) 1,2-Dibromoethane	11.012	107	200656	50.038	ug/l	99
64) Tetrachloroethene	10.646	164	384807	47.199	ug/l	98
65) Chlorobenzene	11.438	112	849748	49.832	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	298190	49.452	ug/l	99
67) Ethyl Benzene	11.518	91	1445427	52.373	ug/l	99
68) m/p-Xylenes	11.627	106	1159953	105.195	ug/l	100
69) o-Xylene	11.957	106	541389	53.114	ug/l	99
70) Styrene	11.969	104	896108	53.283	ug/l	99
71) Bromoform	12.133	173	177352	50.360	ug/l #	99
73) Isopropylbenzene	12.255	105	1417486	53.146	ug/l	99
74) N-amyl acetate	12.072	43	238873	52.899	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	214414	50.335	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	153462m	47.550	ug/l	
77) Bromobenzene	12.530	156	348579	50.384	ug/l	99
78) n-propylbenzene	12.591	91	1654045	52.723	ug/l	100
79) 2-Chlorotoluene	12.676	91	940627	51.669	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1152618	53.189	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	70336	49.252	ug/l	99
82) 4-Chlorotoluene	12.774	91	965258	51.412	ug/l	100
83) tert-Butylbenzene	12.993	119	1067903	54.107	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1146575	53.419	ug/l	99
85) sec-Butylbenzene	13.170	105	1517909	53.321	ug/l	100
86) p-Isopropyltoluene	13.292	119	1299518	53.924	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	681531	50.050	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	656109	49.051	ug/l	99
89) n-Butylbenzene	13.615	91	1139328	54.369	ug/l	99
90) Hexachloroethane	13.877	117	258543	49.923	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	587705	50.082	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31188	47.551	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	356674	53.138	ug/l	100
94) Hexachlorobutadiene	15.023	225	222246	50.535	ug/l	99
95) Naphthalene	15.139	128	560653	48.012	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	300360	53.559	ug/l	99

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

