

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
 Data File : VY023310.D
 Acq On : 08 Sep 2025 12:55
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY090825

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
 Supervised By :Semsettin Yesilyurt 09/09/2025

Quant Time: Sep 09 02:08:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 09 02:06:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	562168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	828449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	726941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	382240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	230677	46.697	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.400%		
35) Dibromofluoromethane	7.640	113	250186	49.405	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.800%		
50) Toluene-d8	10.109	98	989528	51.748	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.500%		
62) 4-Bromofluorobenzene	12.408	95	315894	52.495	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	104.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	222593	49.354	ug/l	99
3) Chloromethane	2.074	50	301864	46.774	ug/l	99
4) Vinyl Chloride	2.208	62	384221	47.257	ug/l	99
5) Bromomethane	2.598	94	295040	44.443	ug/l	99
6) Chloroethane	2.739	64	258915	47.058	ug/l	98
7) Trichlorofluoromethane	3.062	101	488948	47.647	ug/l	97
8) Diethyl Ether	3.458	74	124454	45.835	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	264330	47.898	ug/l	99
10) Methyl Iodide	4.007	142	292142	45.380	ug/l	100
11) Tert butyl alcohol	4.860	59	65239	228.563	ug/l	99
12) 1,1-Dichloroethene	3.793	96	254595	47.956	ug/l	99
13) Acrolein	3.653	56	105827	219.309	ug/l	100
14) Allyl chloride	4.385	41	316799	47.238	ug/l	99
15) Acrylonitrile	5.061	53	233940	218.862	ug/l	99
16) Acetone	3.866	43	276063	245.343	ug/l	99
17) Carbon Disulfide	4.110	76	788422	46.908	ug/l	99
18) Methyl Acetate	4.391	43	113037	40.953	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	581858	46.613	ug/l	99
20) Methylene Chloride	4.616	84	280944	46.668	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	285714	48.167	ug/l	99
22) Diisopropyl ether	6.025	45	702929	47.064	ug/l	96
23) Vinyl Acetate	5.964	43	1948513	235.988	ug/l	99
24) 1,1-Dichloroethane	5.921	63	455881	46.667	ug/l	99
25) 2-Butanone	6.896	43	320919	231.729	ug/l	100
26) 2,2-Dichloropropane	6.890	77	418440	48.512	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	318607	47.432	ug/l	98
28) Bromochloromethane	7.250	49	176345	45.877	ug/l	98
29) Tetrahydrofuran	7.262	42	184408	224.495	ug/l	99
30) Chloroform	7.427	83	486205	46.322	ug/l	100
31) Cyclohexane	7.707	56	405183	46.872	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	442099	47.144	ug/l	99
36) 1,1-Dichloropropene	7.841	75	354529	49.154	ug/l	100
37) Ethyl Acetate	6.988	43	132290	46.108	ug/l	98
38) Carbon Tetrachloride	7.823	117	406761	49.012	ug/l	99
39) Methylcyclohexane	9.109	83	482769	52.321	ug/l	98
40) Benzene	8.085	78	1084593	48.379	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	70972	47.767	ug/l #	82
42) 1,2-Dichloroethane	8.164	62	261632	45.837	ug/l	99
43) Isopropyl Acetate	8.201	43	260490	46.679	ug/l	97
44) Trichloroethene	8.866	130	303853	48.660	ug/l	98
45) 1,2-Dichloropropane	9.146	63	240571	47.514	ug/l	95
46) Dibromomethane	9.231	93	141569	45.913	ug/l	99
47) Bromodichloromethane	9.426	83	367487	47.374	ug/l	98
48) Methyl methacrylate	9.225	41	124559	47.887	ug/l	97
49) 1,4-Dioxane	9.231	88	29953	956.973	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	679786	238.107	ug/l	100
52) Toluene	10.170	92	716570	50.367	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	321364	48.119	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	383651	48.075	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	190653	46.483	ug/l	99
56) Ethyl methacrylate	10.438	69	235952	49.654	ug/l	99
57) 1,3-Dichloropropane	10.719	76	313030	47.011	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	556586	268.741	ug/l	99
59) 2-Hexanone	10.762	43	492965	249.775	ug/l	99
60) Dibromochloromethane	10.914	129	264461	47.521	ug/l	100
61) 1,2-Dibromoethane	11.018	107	180030	46.841	ug/l	100
64) Tetrachloroethene	10.646	164	356596	49.218	ug/l	99
65) Chlorobenzene	11.444	112	785680	49.335	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	269352	48.186	ug/l	99
67) Ethyl Benzene	11.517	91	1344686	51.684	ug/l	99
68) m/p-Xylenes	11.627	106	1066690	102.389	ug/l	99
69) o-Xylene	11.956	106	497982	51.636	ug/l	99
70) Styrene	11.969	104	827369	51.764	ug/l	100
71) Bromoform	12.133	173	155226	46.631	ug/l	100
73) Isopropylbenzene	12.255	105	1317909	51.185	ug/l	100
74) N-amyl acetate	12.072	43	231898	47.649	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	195215	45.176	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	178517m	46.118	ug/l	
77) Bromobenzene	12.529	156	311731	47.389	ug/l	99
78) n-propylbenzene	12.597	91	1546678	50.967	ug/l	99
79) 2-Chlorotoluene	12.682	91	861469	49.286	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1076849	51.423	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	66540	46.878	ug/l	96
82) 4-Chlorotoluene	12.779	91	888353	48.573	ug/l	99
83) tert-Butylbenzene	12.999	119	984769	51.922	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1057469	51.044	ug/l	99
85) sec-Butylbenzene	13.176	105	1435571	52.022	ug/l	99
86) p-Isopropyltoluene	13.292	119	1215267	52.135	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	627713	48.223	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	613219	47.563	ug/l	99
89) n-Butylbenzene	13.615	91	1080023	52.244	ug/l	100
90) Hexachloroethane	13.877	117	246822	48.841	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	542254	47.779	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	30802	45.428	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	337958	51.050	ug/l	99
94) Hexachlorobutadiene	15.023	225	207755	50.756	ug/l	99
95) Naphthalene	15.145	128	546604	51.370	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	288401	50.162	ug/l	99

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

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