

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023901.D
 Acq On : 09 Dec 2025 12:19
 Operator : SY/MD
 Sample : VY1209SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1209SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/10/2025
 Supervised By : Mahesh Dadoda 12/11/2025

Quant Time: Dec 10 02:24:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	552923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	787453	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.426	117	661090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	332238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	219659	39.713	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.420%		
35) Dibromofluoromethane	7.652	113	239380	47.397	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.800%		
50) Toluene-d8	10.115	98	897403	45.661	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.320%		
62) 4-Bromofluorobenzene	12.414	95	287132	42.834	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	85.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	69902	16.714	ug/l	96
3) Chloromethane	2.080	50	88431	14.823	ug/l	98
4) Vinyl Chloride	2.220	62	101517	14.918	ug/l	98
5) Bromomethane	2.611	94	93667	19.063	ug/l	97
6) Chloroethane	2.751	64	71828	15.568	ug/l	98
7) Trichlorofluoromethane	3.074	101	168458	17.704	ug/l	97
8) Diethyl Ether	3.470	74	44114	15.476	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.842	101	98802	17.331	ug/l	95
10) Methyl Iodide	4.025	142	103238	17.975	ug/l	98
11) Tert butyl alcohol	4.897	59	21925	44.888	ug/l	100
12) 1,1-Dichloroethene	3.805	96	90557	17.001	ug/l	90
13) Acrolein	3.677	56	23988	69.467	ug/l	99
14) Allyl chloride	4.403	41	113432	13.319	ug/l	91
15) Acrylonitrile	5.086	53	83510	67.311	ug/l	99
16) Acetone	3.891	43	131353	79.250	ug/l	99
17) Carbon Disulfide	4.129	76	221134	14.051	ug/l	100
18) Methyl Acetate	4.409	43	33621	11.959	ug/l	92
19) Methyl tert-butyl Ether	5.135	73	212493	15.881	ug/l	97
20) Methylene Chloride	4.635	84	109244	17.068	ug/l	89
21) trans-1,2-Dichloroethene	5.141	96	97453	16.582	ug/l	87
22) Diisopropyl ether	6.037	45	265060	14.136	ug/l #	89
23) Vinyl Acetate	5.982	43	703321	67.665	ug/l #	94
24) 1,1-Dichloroethane	5.933	63	169210	15.618	ug/l	97
25) 2-Butanone	6.915	43	135415	67.773	ug/l	95
26) 2,2-Dichloropropane	6.902	77	158091	15.921	ug/l	98
27) cis-1,2-Dichloroethene	6.909	96	117925	17.280	ug/l	91
28) Bromochloromethane	7.262	49	81957	19.798	ug/l #	74
29) Tetrahydrofuran	7.280	42	62854	60.827	ug/l	90
30) Chloroform	7.433	83	183705	16.780	ug/l	98
31) Cyclohexane	7.713	56	146927	14.184	ug/l	92
32) 1,1,1-Trichloroethane	7.634	97	172320	17.436	ug/l	98
36) 1,1-Dichloropropene	7.854	75	127267	17.089	ug/l	95
37) Ethyl Acetate	7.006	43	47730	13.880	ug/l	98
38) Carbon Tetrachloride	7.835	117	158277	19.257	ug/l	97
39) Methylcyclohexane	9.122	83	165945	17.119	ug/l	95
40) Benzene	8.091	78	392951	17.457	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.262	41	31712m	17.889	ug/l	
42) 1,2-Dichloroethane	8.171	62	100117	17.044	ug/l	97
43) Isopropyl Acetate	8.207	43	90787	14.110	ug/l #	86
44) Trichloroethene	8.878	130	115610	19.960	ug/l	99
45) 1,2-Dichloropropane	9.152	63	87930	16.498	ug/l	96
46) Dibromomethane	9.244	93	50920	17.647	ug/l	92
47) Bromodichloromethane	9.433	83	137976	18.124	ug/l	98
48) Methyl methacrylate	9.231	41	41943	13.954	ug/l	88
49) 1,4-Dioxane	9.250	88	9956	310.309	ug/l	94
51) 4-Methyl-2-Pentanone	10.006	43	239811	70.881	ug/l	96
52) Toluene	10.182	92	257823	18.290	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	113723	16.552	ug/l	95
54) cis-1,3-Dichloropropene	9.865	75	136972	16.929	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	69063	17.731	ug/l	97
56) Ethyl methacrylate	10.451	69	76102	16.423	ug/l	93
57) 1,3-Dichloropropane	10.725	76	112542	16.775	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	150212	71.890	ug/l	92
59) 2-Hexanone	10.768	43	190075	74.490	ug/l	98
60) Dibromochloromethane	10.920	129	98622	18.882	ug/l	99
61) 1,2-Dibromoethane	11.024	107	62739	17.674	ug/l	100
64) Tetrachloroethene	10.658	164	136086	21.035	ug/l	98
65) Chlorobenzene	11.450	112	286900	19.014	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.524	131	102895	19.986	ug/l	100
67) Ethyl Benzene	11.530	91	473980	18.170	ug/l	97
68) m/p-Xylenes	11.633	106	377192	37.831	ug/l	96
69) o-Xylene	11.963	106	175219	18.789	ug/l	96
70) Styrene	11.975	104	285589	18.577	ug/l	97
71) Bromoform	12.139	173	57424	19.741	ug/l #	100
73) Isopropylbenzene	12.261	105	471840	19.276	ug/l	99
74) N-amyl acetate	12.078	43	72282	13.625	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	65846	16.672	ug/l	98
76) 1,2,3-Trichloropropane	12.566	75	62321m	18.921	ug/l	
77) Bromobenzene	12.542	156	115440	20.306	ug/l	88
78) n-propylbenzene	12.603	91	549776	18.613	ug/l	97
79) 2-Chlorotoluene	12.688	91	310864	18.531	ug/l	96
80) 1,3,5-Trimethylbenzene	12.743	105	373706	18.789	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	21352	15.527	ug/l	96
82) 4-Chlorotoluene	12.786	91	316255	18.184	ug/l	95
83) tert-Butylbenzene	13.005	119	348968	19.462	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	376129	19.089	ug/l	98
85) sec-Butylbenzene	13.182	105	506651	18.995	ug/l	98
86) p-Isopropyltoluene	13.298	119	421924	19.105	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	222495	19.426	ug/l	98
88) 1,4-Dichlorobenzene	13.377	146	218111	19.418	ug/l	99
89) n-Butylbenzene	13.627	91	358041	17.516	ug/l	98
90) Hexachloroethane	13.883	117	86805	18.736	ug/l	90
91) 1,2-Dichlorobenzene	13.663	146	192283	19.302	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	9540	15.363	ug/l	88
93) 1,2,4-Trichlorobenzene	14.925	180	105752	17.905	ug/l	98
94) Hexachlorobutadiene	15.029	225	75641	20.413	ug/l	97
95) Naphthalene	15.151	128	152925	15.711	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	87489	17.358	ug/l	97

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

