

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
 Data File : VY023851.D
 Acq On : 02 Dec 2025 10:53
 Operator : SY/MD
 Sample : VY1202SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1202SBS01

Quant Time: Dec 03 01:00:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/03/2025
 Supervised By : Mahesh Dadoda 12/03/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	491473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	764018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	662350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	339534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	229109	47.869	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.740%		
35) Dibromofluoromethane	7.640	113	219750	48.553	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.100%		
50) Toluene-d8	10.109	98	861612	47.928	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.860%		
62) 4-Bromofluorobenzene	12.408	95	278377	47.062	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	80289	21.677	ug/l	99
3) Chloromethane	2.074	50	104219	18.392	ug/l	96
4) Vinyl Chloride	2.214	62	117983	19.248	ug/l	98
5) Bromomethane	2.598	94	87932	20.335	ug/l	100
6) Chloroethane	2.745	64	80298	20.101	ug/l	100
7) Trichlorofluoromethane	3.068	101	176807	21.335	ug/l	98
8) Diethyl Ether	3.464	74	53616	20.541	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.830	101	110161	22.776	ug/l	97
10) Methyl Iodide	4.019	142	93739	17.686	ug/l	99
11) Tert butyl alcohol	4.878	59	40648	103.407	ug/l	98
12) 1,1-Dichloroethene	3.799	96	97387	20.466	ug/l	96
13) Acrolein	3.665	56	42343	74.932	ug/l	97
14) Allyl chloride	4.397	41	159030	21.096	ug/l	97
15) Acrylonitrile	5.073	53	122984	109.169	ug/l	100
16) Acetone	3.879	43	177462	128.691	ug/l	95
17) Carbon Disulfide	4.116	76	267510	17.420	ug/l	98
18) Methyl Acetate	4.391	43	51638	19.390	ug/l	100
19) Methyl tert-butyl Ether	5.128	73	253496	20.846	ug/l	98
20) Methylene Chloride	4.628	84	113349	19.443	ug/l	91
21) trans-1,2-Dichloroethene	5.122	96	105063	19.942	ug/l	95
22) Diisopropyl ether	6.031	45	359271	22.041	ug/l	98
23) Vinyl Acetate	5.970	43	1000679	110.400	ug/l	100
24) 1,1-Dichloroethane	5.927	63	203723	21.246	ug/l	98
25) 2-Butanone	6.902	43	207338	123.204	ug/l	98
26) 2,2-Dichloropropane	6.890	77	182586	21.482	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	127302	20.807	ug/l	100
28) Bromochloromethane	7.256	49	75283	18.874	ug/l	100
29) Tetrahydrofuran	7.274	42	100602	107.180	ug/l	97
30) Chloroform	7.427	83	207629	21.534	ug/l	99
31) Cyclohexane	7.707	56	186947	20.317	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	184291	21.533	ug/l	98
36) 1,1-Dichloropropene	7.841	75	147335	21.232	ug/l	99
37) Ethyl Acetate	6.994	43	72426	22.189	ug/l	99
38) Carbon Tetrachloride	7.823	117	165772	21.763	ug/l	97
39) Methylcyclohexane	9.115	83	188264	20.542	ug/l	97
40) Benzene	8.085	78	460426	21.560	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	37463	22.989	ug/l	96
42) 1,2-Dichloroethane	8.164	62	120116	21.818	ug/l	99
43) Isopropyl Acetate	8.207	43	134089	21.982	ug/l #	86
44) Trichloroethene	8.872	130	118233	21.578	ug/l	95
45) 1,2-Dichloropropane	9.146	63	110259	21.899	ug/l	95
46) Dibromomethane	9.237	93	59571	21.804	ug/l	99
47) Bromodichloromethane	9.426	83	156370	21.900	ug/l	97
48) Methyl methacrylate	9.225	41	61974	21.579	ug/l	98
49) 1,4-Dioxane	9.243	88	13204	431.231	ug/l	92
51) 4-Methyl-2-Pentanone	10.005	43	364810	113.608	ug/l	96
52) Toluene	10.176	92	285889	21.595	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	136696	20.900	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	167599	21.407	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	80847	22.091	ug/l	96
56) Ethyl methacrylate	10.444	69	100425	20.898	ug/l	98
57) 1,3-Dichloropropane	10.719	76	140674	22.034	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	228950	99.175	ug/l	100
59) 2-Hexanone	10.768	43	288131	121.341	ug/l	97
60) Dibromochloromethane	10.914	129	107128	21.813	ug/l	100
61) 1,2-Dibromoethane	11.018	107	72217	21.258	ug/l	99
64) Tetrachloroethene	10.652	164	138582	22.055	ug/l	98
65) Chlorobenzene	11.444	112	310203	21.336	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	107508	21.766	ug/l	99
67) Ethyl Benzene	11.524	91	532535	21.444	ug/l	99
68) m/p-Xylenes	11.633	106	415378	43.406	ug/l	99
69) o-Xylene	11.956	106	189968	21.175	ug/l	99
70) Styrene	11.975	104	315843	21.371	ug/l	99
71) Bromoform	12.133	173	62102	21.555	ug/l #	99
73) Isopropylbenzene	12.255	105	514860	21.366	ug/l	100
74) N-amyl acetate	12.072	43	110681	20.559	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	85367	21.517	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	73318m	24.831	ug/l	
77) Bromobenzene	12.536	156	118620	20.928	ug/l	99
78) n-propylbenzene	12.596	91	625892	21.573	ug/l	100
79) 2-Chlorotoluene	12.682	91	355607	21.297	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	416339	21.164	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	29206	20.908	ug/l	94
82) 4-Chlorotoluene	12.779	91	358487	20.905	ug/l	99
83) tert-Butylbenzene	12.999	119	379674	21.484	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	414737	21.096	ug/l	99
85) sec-Butylbenzene	13.176	105	567484	21.754	ug/l	100
86) p-Isopropyltoluene	13.291	119	471817	21.638	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	238758	21.018	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	239031	21.081	ug/l	99
89) n-Butylbenzene	13.621	91	426112	21.313	ug/l	99
90) Hexachloroethane	13.883	117	97537	21.291	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	213541	21.497	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13310	20.043	ug/l	95
93) 1,2,4-Trichlorobenzene	14.925	180	118087	19.938	ug/l	99
94) Hexachlorobutadiene	15.029	225	77778	21.087	ug/l	99
95) Naphthalene	15.145	128	184390	18.460	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	101635	20.149	ug/l	97

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

