

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110325\
 Data File : VY023649.D
 Acq On : 03 Nov 2025 11:08
 Operator : SY/MD
 Sample : VY1103SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1103SBS01

Quant Time: Nov 04 01:29:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2025
 Supervised By :Mahesh Dadoda 11/04/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	481322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	711663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	618924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	321134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	194799	48.399	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.800%		
35) Dibromofluoromethane	7.640	113	214927	49.151	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.300%		
50) Toluene-d8	10.109	98	789137	48.458	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.920%		
62) 4-Bromofluorobenzene	12.407	95	264976	49.285	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	67036	19.349	ug/l	100
3) Chloromethane	2.074	50	86500	18.328	ug/l	100
4) Vinyl Chloride	2.208	62	116152	18.895	ug/l	99
5) Bromomethane	2.592	94	100947	19.569	ug/l	100
6) Chloroethane	2.738	64	82541	19.698	ug/l	97
7) Trichlorofluoromethane	3.055	101	173786	20.361	ug/l	95
8) Diethyl Ether	3.458	74	45150	20.244	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	98338	22.203	ug/l	99
10) Methyl Iodide	4.007	142	98282	19.933	ug/l	99
11) Tert butyl alcohol	4.854	59	27976	93.431	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	90874	21.165	ug/l	98
13) Acrolein	3.653	56	16500	38.998	ug/l	96
14) Allyl chloride	4.385	41	109105	20.851	ug/l	100
15) Acrylonitrile	5.055	53	87736	102.793	ug/l	100
16) Acetone	3.872	43	134890	140.775	ug/l	98
17) Carbon Disulfide	4.110	76	236380	19.236	ug/l	99
18) Methyl Acetate	4.385	43	46254	18.402	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	214157	20.753	ug/l	97
20) Methylene Chloride	4.616	84	99354	19.175	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	100199	21.197	ug/l	96
22) Diisopropyl ether	6.018	45	256722	22.180	ug/l	96
23) Vinyl Acetate	5.964	43	666613	106.404	ug/l	100
24) 1,1-Dichloroethane	5.921	63	167493	21.846	ug/l	97
25) 2-Butanone	6.896	43	140057	119.726	ug/l	96
26) 2,2-Dichloropropane	6.884	77	155908	22.161	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	118651	21.730	ug/l	97
28) Bromochloromethane	7.250	49	61941	21.641	ug/l	98
29) Tetrahydrofuran	7.262	42	66371	100.052	ug/l	99
30) Chloroform	7.421	83	186689	22.163	ug/l	100
31) Cyclohexane	7.701	56	135565	20.247	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	170996	22.338	ug/l	98
36) 1,1-Dichloropropene	7.835	75	124627	21.528	ug/l	100
37) Ethyl Acetate	6.982	43	47396	20.665	ug/l	99
38) Carbon Tetrachloride	7.817	117	153775	21.906	ug/l	99
39) Methylcyclohexane	9.109	83	156586	20.774	ug/l	97
40) Benzene	8.079	78	397815	21.698	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	25822m	20.817	ug/l	
42) 1,2-Dichloroethane	8.158	62	99679	21.081	ug/l	99
43) Isopropyl Acetate	8.201	43	92112	20.141	ug/l	99
44) Trichloroethene	8.865	130	114980	21.427	ug/l	97
45) 1,2-Dichloropropane	9.140	63	89108	22.005	ug/l	95
46) Dibromomethane	9.231	93	53984	21.082	ug/l	98
47) Bromodichloromethane	9.426	83	139752	21.670	ug/l	100
48) Methyl methacrylate	9.219	41	42099	19.595	ug/l	95
49) 1,4-Dioxane	9.225	88	11401	384.020	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	247502	104.746	ug/l	99
52) Toluene	10.170	92	261736	21.987	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	116551	20.785	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	142391	21.515	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	74640	21.676	ug/l	96
56) Ethyl methacrylate	10.438	69	79936	20.125	ug/l	97
57) 1,3-Dichloropropane	10.719	76	117858	21.600	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	162881	91.539	ug/l	100
59) 2-Hexanone	10.761	43	190765	112.971	ug/l	98
60) Dibromochloromethane	10.914	129	102682	21.269	ug/l	100
61) 1,2-Dibromoethane	11.017	107	69157	21.059	ug/l	99
64) Tetrachloroethene	10.646	164	143038	22.382	ug/l	94
65) Chlorobenzene	11.438	112	290304	21.566	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	105016	21.892	ug/l	99
67) Ethyl Benzene	11.517	91	469484	21.546	ug/l	99
68) m/p-Xylenes	11.627	106	379562	43.429	ug/l	98
69) o-Xylene	11.956	106	171998	20.981	ug/l	97
70) Styrene	11.969	104	289194	21.452	ug/l	99
71) Bromoform	12.133	173	61982	20.830	ug/l #	100
73) Isopropylbenzene	12.255	105	468447	22.135	ug/l	98
74) N-amyl acetate	12.072	43	75069	19.749	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	72053	20.816	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	54948m	19.394	ug/l	
77) Bromobenzene	12.529	156	116488	20.704	ug/l	97
78) n-propylbenzene	12.596	91	547377	22.351	ug/l	99
79) 2-Chlorotoluene	12.676	91	315368	21.990	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	380773	22.266	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	22710	19.656	ug/l	97
82) 4-Chlorotoluene	12.779	91	325689	22.051	ug/l	99
83) tert-Butylbenzene	12.999	119	344651	21.827	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	373761	21.900	ug/l	99
85) sec-Butylbenzene	13.176	105	510176	22.524	ug/l	99
86) p-Isopropyltoluene	13.291	119	424859	22.031	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	232125	21.187	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	228460	21.113	ug/l	99
89) n-Butylbenzene	13.615	91	365497	21.751	ug/l	98
90) Hexachloroethane	13.877	117	90593	21.841	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	204759	21.317	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11054	19.463	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	110534	18.459	ug/l	99
94) Hexachlorobutadiene	15.023	225	77528	20.769	ug/l	98
95) Naphthalene	15.145	128	161812	16.969	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	95253	18.364	ug/l	99

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

