

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023941.D
 Acq On : 11 Dec 2025 09:22
 Operator : SY/MD
 Sample : VY1211SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1211SBS01

Manual Integrations
 APPROVED

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

Quant Time: Dec 12 03:17:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	538181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	764222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	660539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	353090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	203535	42.775	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.540%		
35) Dibromofluoromethane	7.640	113	218594	43.757	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.520%		
50) Toluene-d8	10.109	98	813930	43.761	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	87.520%		
62) 4-Bromofluorobenzene	12.408	95	271934	43.780	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	73193	19.612	ug/l	99
3) Chloromethane	2.074	50	89199	18.604	ug/l	93
4) Vinyl Chloride	2.208	62	109380	18.463	ug/l	99
5) Bromomethane	2.598	94	96474	19.127	ug/l	99
6) Chloroethane	2.739	64	79741	19.103	ug/l	98
7) Trichlorofluoromethane	3.062	101	175835	19.714	ug/l	98
8) Diethyl Ether	3.464	74	47292	19.300	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	103269	19.867	ug/l	99
10) Methyl Iodide	4.019	142	94822	14.738	ug/l	98
11) Tert butyl alcohol	4.872	59	26693	96.876	ug/l	97
12) 1,1-Dichloroethene	3.799	96	91086	18.650	ug/l	93
13) Acrolein	3.659	56	51538	116.950	ug/l	100
14) Allyl chloride	4.397	41	119286	19.088	ug/l	98
15) Acrylonitrile	5.074	53	94157	96.447	ug/l	98
16) Acetone	3.879	43	150508	103.273	ug/l	96
17) Carbon Disulfide	4.117	76	221113	17.048	ug/l	98
18) Methyl Acetate	4.397	43	38116	17.705	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	228947	19.603	ug/l	100
20) Methylene Chloride	4.629	84	105790	18.898	ug/l	94
21) trans-1,2-Dichloroethene	5.128	96	100062	18.663	ug/l	96
22) Diisopropyl ether	6.031	45	281358	19.773	ug/l	98
23) Vinyl Acetate	5.970	43	774720	97.985	ug/l	100
24) 1,1-Dichloroethane	5.921	63	174551	19.680	ug/l	100
25) 2-Butanone	6.903	43	154951	105.373	ug/l	99
26) 2,2-Dichloropropane	6.890	77	163678	19.764	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	121270	19.703	ug/l	99
28) Bromochloromethane	7.250	49	68504	20.502	ug/l	98
29) Tetrahydrofuran	7.268	42	72005	96.013	ug/l	98
30) Chloroform	7.427	83	189205	19.529	ug/l	99
31) Cyclohexane	7.707	56	150750	18.474	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	176693	19.667	ug/l	100
36) 1,1-Dichloropropene	7.841	75	130983	19.259	ug/l	99
37) Ethyl Acetate	6.988	43	54792	19.784	ug/l	99
38) Carbon Tetrachloride	7.823	117	164588	19.966	ug/l	98
39) Methylcyclohexane	9.116	83	170694	18.786	ug/l	95
40) Benzene	8.085	78	400873	19.356	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	27713m	18.190	ug/l	
42) 1,2-Dichloroethane	8.165	62	107199	19.738	ug/l	98
43) Isopropyl Acetate	8.201	43	102053	19.566	ug/l	100
44) Trichloroethene	8.872	130	114672	19.095	ug/l	98
45) 1,2-Dichloropropane	9.146	63	91097	19.495	ug/l	98
46) Dibromomethane	9.238	93	54807	19.914	ug/l	99
47) Bromodichloromethane	9.427	83	143509	19.821	ug/l	100
48) Methyl methacrylate	9.225	41	47247	19.458	ug/l	98
49) 1,4-Dioxane	9.231	88	11584	377.539	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	276417	100.021	ug/l	100
52) Toluene	10.176	92	262803	19.176	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	121185	19.369	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	145080	19.677	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	75801	20.010	ug/l	96
56) Ethyl methacrylate	10.445	69	85614	19.064	ug/l	98
57) 1,3-Dichloropropane	10.719	76	122424	19.982	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	179313	92.181	ug/l	98
59) 2-Hexanone	10.762	43	220729	105.237	ug/l	99
60) Dibromochloromethane	10.914	129	104705	19.964	ug/l	98
61) 1,2-Dibromoethane	11.018	107	68308	19.460	ug/l	98
64) Tetrachloroethene	10.652	164	139583	19.670	ug/l	95
65) Chlorobenzene	11.444	112	298975	19.533	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	107575	20.040	ug/l	98
67) Ethyl Benzene	11.524	91	493990	19.263	ug/l	98
68) m/p-Xylenes	11.633	106	397255	39.022	ug/l	100
69) o-Xylene	11.957	106	185445	19.473	ug/l	97
70) Styrene	11.975	104	300839	19.554	ug/l	100
71) Bromoform	12.133	173	62397	19.724	ug/l #	98
73) Isopropylbenzene	12.255	105	487976	18.911	ug/l	99
74) N-amyl acetate	12.072	43	82814	18.093	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	74192	18.882	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	60679m	20.316	ug/l	
77) Bromobenzene	12.536	156	122719	19.167	ug/l	98
78) n-propylbenzene	12.597	91	570551	19.004	ug/l	98
79) 2-Chlorotoluene	12.682	91	322975	18.938	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	396917	19.281	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	23553	17.950	ug/l	100
82) 4-Chlorotoluene	12.780	91	333127	18.975	ug/l	98
83) tert-Butylbenzene	12.999	119	369913	19.448	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	394775	19.358	ug/l	99
85) sec-Butylbenzene	13.176	105	528488	19.047	ug/l	100
86) p-Isopropyltoluene	13.292	119	447749	19.064	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	239351	19.250	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	234586	19.140	ug/l	99
89) n-Butylbenzene	13.621	91	391657	19.061	ug/l	99
90) Hexachloroethane	13.883	117	93790	19.570	ug/l	98
91) 1,2-Dichlorobenzene	13.664	146	206472	19.166	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11176	18.371	ug/l	98
93) 1,2,4-Trichlorobenzene	14.926	180	118040	18.643	ug/l	99
94) Hexachlorobutadiene	15.023	225	79545	19.166	ug/l	99
95) Naphthalene	15.145	128	175179	17.893	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	102331	18.993	ug/l	99

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

