

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101425\
 Data File : VY023458.D
 Acq On : 14 Oct 2025 12:26
 Operator : SY/MD
 Sample : VY1014SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBS01

Quant Time: Oct 15 03:25:54 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 10/16/2025
 Supervised By : Mahesh Dadoda 10/16/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	531866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	775568	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	681796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	357890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	205302	46.161	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.320%		
35) Dibromofluoromethane	7.640	113	233146	48.924	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.840%		
50) Toluene-d8	10.109	98	874418	49.271	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.540%		
62) 4-Bromofluorobenzene	12.408	95	272187	46.454	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	81753	21.355	ug/l	99
3) Chloromethane	2.074	50	105426	20.215	ug/l	98
4) Vinyl Chloride	2.208	62	137299	20.213	ug/l	98
5) Bromomethane	2.598	94	119704	20.999	ug/l	98
6) Chloroethane	2.739	64	97209	20.994	ug/l	100
7) Trichlorofluoromethane	3.056	101	190876	20.238	ug/l	97
8) Diethyl Ether	3.458	74	44496	18.055	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	102081	20.858	ug/l	99
10) Methyl Iodide	4.007	142	101843	18.692	ug/l	99
11) Tert butyl alcohol	4.854	59	27690	83.688	ug/l #	94
12) 1,1-Dichloroethene	3.793	96	95039	20.032	ug/l	94
13) Acrolein	3.659	56	31146	66.618	ug/l	98
14) Allyl chloride	4.385	41	110873	19.175	ug/l	98
15) Acrylonitrile	5.061	53	83029	88.033	ug/l	100
16) Acetone	3.873	43	126884	119.835	ug/l	98
17) Carbon Disulfide	4.110	76	276041	20.329	ug/l	99
18) Methyl Acetate	4.391	43	40389	14.541	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	203201	17.820	ug/l	100
20) Methylene Chloride	4.616	84	109997	19.212	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	106974	20.480	ug/l	94
22) Diisopropyl ether	6.025	45	250156	19.559	ug/l	96
23) Vinyl Acetate	5.964	43	642693	92.837	ug/l	98
24) 1,1-Dichloroethane	5.921	63	174934	20.648	ug/l	98
25) 2-Butanone	6.896	43	130709	101.117	ug/l	94
26) 2,2-Dichloropropane	6.890	77	162480	20.901	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	120168	19.916	ug/l	99
28) Bromochloromethane	7.250	49	64471	20.385	ug/l	97
29) Tetrahydrofuran	7.268	42	60529	82.574	ug/l	98
30) Chloroform	7.427	83	192163	20.645	ug/l	99
31) Cyclohexane	7.707	56	142556	19.268	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	174548	20.635	ug/l	100
36) 1,1-Dichloropropene	7.841	75	129434	20.516	ug/l	99
37) Ethyl Acetate	6.988	43	45608	18.247	ug/l	98
38) Carbon Tetrachloride	7.823	117	161260	21.080	ug/l	98
39) Methylcyclohexane	9.115	83	162294	19.757	ug/l	98
40) Benzene	8.085	78	414247	20.733	ug/l	98

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41) Methacrylonitrile	7.219	41	26229m	19.403	ug/l	
42) 1,2-Dichloroethane	8.158	62	100669	19.536	ug/l	99
43) Isopropyl Acetate	8.201	43	85853	17.226	ug/l	99
44) Trichloroethene	8.866	130	121064	20.702	ug/l	95
45) 1,2-Dichloropropane	9.146	63	90566	20.522	ug/l	97
46) Dibromomethane	9.237	93	54495	19.528	ug/l	98
47) Bromodichloromethane	9.426	83	141692	20.161	ug/l	99
48) Methyl methacrylate	9.225	41	38689	16.524	ug/l	94
49) 1,4-Dioxane	9.225	88	10651	329.197	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	223605	86.835	ug/l	98
52) Toluene	10.170	92	266643	20.554	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	118025	19.313	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	143895	19.951	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	73249	19.520	ug/l	94
56) Ethyl methacrylate	10.438	69	75043	17.336	ug/l	98
57) 1,3-Dichloropropane	10.719	76	116342	19.565	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	165771	85.487	ug/l	99
59) 2-Hexanone	10.762	43	177961	96.705	ug/l	98
60) Dibromochloromethane	10.914	129	105303	20.015	ug/l	100
61) 1,2-Dibromoethane	11.018	107	67050	18.735	ug/l	98
64) Tetrachloroethene	10.646	164	145052	20.604	ug/l	97
65) Chlorobenzene	11.444	112	299766	20.215	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	107802	20.401	ug/l	99
67) Ethyl Benzene	11.517	91	478469	19.934	ug/l	99
68) m/p-Xylenes	11.633	106	392394	40.757	ug/l	99
69) o-Xylene	11.956	106	176540	19.549	ug/l	99
70) Styrene	11.969	104	299261	20.152	ug/l	100
71) Bromoform	12.133	173	62280	19.001	ug/l #	100
73) Isopropylbenzene	12.255	105	468838	19.878	ug/l	99
74) N-amyl acetate	12.072	43	69522	16.411	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	70271	18.216	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	57073m	18.075	ug/l	
77) Bromobenzene	12.530	156	120367	19.197	ug/l	99
78) n-propylbenzene	12.597	91	556336	20.384	ug/l	99
79) 2-Chlorotoluene	12.682	91	319288	19.977	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	389505	20.437	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	23267	18.069	ug/l	98
82) 4-Chlorotoluene	12.779	91	333116	20.237	ug/l	100
83) tert-Butylbenzene	12.999	119	350325	19.908	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	387734	20.385	ug/l	99
85) sec-Butylbenzene	13.176	105	519262	20.571	ug/l	99
86) p-Isopropyltoluene	13.292	119	437290	20.346	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	243530	19.945	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	237215	19.671	ug/l	99
89) n-Butylbenzene	13.621	91	368348	19.669	ug/l	99
90) Hexachloroethane	13.877	117	95745	20.712	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	208397	19.468	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10675	16.865	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	116190	17.410	ug/l	99
94) Hexachlorobutadiene	15.023	225	81091	19.493	ug/l	99
95) Naphthalene	15.145	128	154221	14.512	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	97472	16.862	ug/l	99

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

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