

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101025\
 Data File : VY023427.D
 Acq On : 10 Oct 2025 10:17
 Operator : SY/MD
 Sample : VY1010SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1010SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/13/2025
 Supervised By :Semsettin Yesilyurt 10/13/2025

Quant Time: Oct 10 15:34:51 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

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	541854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	796917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	692218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	356596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	207349	45.762	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.520%		
35) Dibromofluoromethane	7.640	113	238024	48.609	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.220%		
50) Toluene-d8	10.109	98	896457	49.159	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.320%		
62) 4-Bromofluorobenzene	12.408	95	279368	46.403	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	84147	21.575	ug/l	97
3) Chloromethane	2.074	50	109172	20.548	ug/l	98
4) Vinyl Chloride	2.208	62	142809	20.636	ug/l	98
5) Bromomethane	2.592	94	119177	20.522	ug/l	96
6) Chloroethane	2.739	64	99211	21.032	ug/l	97
7) Trichlorofluoromethane	3.056	101	194037	20.194	ug/l	96
8) Diethyl Ether	3.458	74	47143	18.776	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	103459	20.749	ug/l	99
10) Methyl Iodide	4.007	142	113805	20.502	ug/l	98
11) Tert butyl alcohol	4.860	59	34239	101.574	ug/l #	94
12) 1,1-Dichloroethene	3.793	96	99781	20.644	ug/l	91
13) Acrolein	3.659	56	35556	74.649	ug/l	100
14) Allyl chloride	4.385	41	115370	19.585	ug/l	97
15) Acrylonitrile	5.061	53	84519	87.961	ug/l	99
16) Acetone	3.866	43	121241	112.395	ug/l	99
17) Carbon Disulfide	4.110	76	286702	20.725	ug/l	99
18) Methyl Acetate	4.385	43	44259	15.641	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	210703	18.138	ug/l	99
20) Methylene Chloride	4.616	84	110481	18.941	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	111056	20.869	ug/l	97
22) Diisopropyl ether	6.025	45	259970	19.952	ug/l	99
23) Vinyl Acetate	5.964	43	661285	93.762	ug/l	99
24) 1,1-Dichloroethane	5.921	63	178733	20.708	ug/l	98
25) 2-Butanone	6.896	43	130507	99.100	ug/l	98
26) 2,2-Dichloropropane	6.890	77	167201	21.112	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	127159	20.686	ug/l	97
28) Bromochloromethane	7.250	49	66358	20.595	ug/l	100
29) Tetrahydrofuran	7.262	42	59785	80.056	ug/l	98
30) Chloroform	7.427	83	198761	20.960	ug/l	96
31) Cyclohexane	7.707	56	148887	19.753	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	178223	20.681	ug/l	99
36) 1,1-Dichloropropene	7.835	75	135873	20.959	ug/l	99
37) Ethyl Acetate	6.994	43	46430	18.078	ug/l	96
38) Carbon Tetrachloride	7.823	117	163372	20.784	ug/l	99
39) Methylcyclohexane	9.109	83	171108	20.272	ug/l	97
40) Benzene	8.079	78	431338	21.010	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	23900	17.206	ug/l #	91
42) 1,2-Dichloroethane	8.158	62	103386	19.526	ug/l	100
43) Isopropyl Acetate	8.201	43	88582	17.297	ug/l	99
44) Trichloroethene	8.872	130	125382	20.866	ug/l	93
45) 1,2-Dichloropropane	9.140	63	92364	20.369	ug/l	96
46) Dibromomethane	9.231	93	56993	19.876	ug/l	98
47) Bromodichloromethane	9.426	83	146563	20.295	ug/l	99
48) Methyl methacrylate	9.225	41	40048	16.646	ug/l	97
49) 1,4-Dioxane	9.231	88	11146	335.268	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	225879	85.368	ug/l	99
52) Toluene	10.170	92	281333	21.105	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	120857	19.247	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	146357	19.749	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	74982	19.446	ug/l	96
56) Ethyl methacrylate	10.438	69	77055	17.324	ug/l	99
57) 1,3-Dichloropropane	10.719	76	118183	19.342	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	178542	89.607	ug/l	99
59) 2-Hexanone	10.762	43	176294	93.233	ug/l	99
60) Dibromochloromethane	10.914	129	105024	19.427	ug/l	99
61) 1,2-Dibromoethane	11.018	107	69864	18.998	ug/l	100
64) Tetrachloroethene	10.646	164	153199	21.434	ug/l	95
65) Chlorobenzene	11.444	112	309927	20.586	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	110903	20.671	ug/l	98
67) Ethyl Benzene	11.518	91	505123	20.727	ug/l	99
68) m/p-Xylenes	11.627	106	409474	41.891	ug/l	100
69) o-Xylene	11.956	106	187775	20.481	ug/l	99
70) Styrene	11.969	104	311971	20.692	ug/l	99
71) Bromoform	12.133	173	61660	18.528	ug/l #	98
73) Isopropylbenzene	12.255	105	489995	20.851	ug/l	99
74) N-amyl acetate	12.072	43	73536	17.422	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	69747	18.146	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	54533m	17.333	ug/l	
77) Bromobenzene	12.530	156	125307	20.057	ug/l	100
78) n-propylbenzene	12.597	91	582536	21.421	ug/l	99
79) 2-Chlorotoluene	12.682	91	332691	20.891	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	405064	21.331	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	22943	17.882	ug/l	96
82) 4-Chlorotoluene	12.779	91	345551	21.069	ug/l	100
83) tert-Butylbenzene	12.999	119	365784	20.862	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	403462	21.289	ug/l	98
85) sec-Butylbenzene	13.176	105	534964	21.270	ug/l	99
86) p-Isopropyltoluene	13.292	119	455332	21.263	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	253236	20.815	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	246088	20.481	ug/l	98
89) n-Butylbenzene	13.615	91	387872	20.787	ug/l	99
90) Hexachloroethane	13.877	117	95855	20.811	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	212474	19.920	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10710	16.982	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	122903	18.483	ug/l	99
94) Hexachlorobutadiene	15.023	225	83908	20.243	ug/l	98
95) Naphthalene	15.145	128	168550	15.918	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	102878	17.862	ug/l	99

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

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