

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101025\
 Data File : VY023426.D
 Acq On : 10 Oct 2025 09:54
 Operator : SY/MD
 Sample : VY1010SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 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 15:33:40 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	543174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	799579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	702444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	363757	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	207443	45.671	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.340%
35) Dibromofluoromethane	7.634	113	238725	48.590	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.180%
50) Toluene-d8	10.109	98	904538	49.437	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.880%
62) 4-Bromofluorobenzene	12.408	95	285474	47.259	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.520%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	86749	22.188	ug/l	97
3) Chloromethane	2.074	50	108746	20.418	ug/l	95
4) Vinyl Chloride	2.208	62	146194	21.074	ug/l	99
5) Bromomethane	2.598	94	124242	21.342	ug/l	99
6) Chloroethane	2.739	64	102268	21.627	ug/l	99
7) Trichlorofluoromethane	3.056	101	199916	20.755	ug/l	99
8) Diethyl Ether	3.458	74	47102	18.714	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	109081	21.824	ug/l	99
10) Methyl Iodide	4.007	142	118615	21.317	ug/l	100
11) Tert butyl alcohol	4.848	59	33372	98.761	ug/l #	72
12) 1,1-Dichloroethene	3.793	96	99847	20.607	ug/l	94
13) Acrolein	3.653	56	33960	71.125	ug/l	97
14) Allyl chloride	4.385	41	118087	19.998	ug/l	98
15) Acrylonitrile	5.067	53	85345	88.605	ug/l	98
16) Acetone	3.866	43	123073	113.816	ug/l	100
17) Carbon Disulfide	4.110	76	295836	21.333	ug/l	99
18) Methyl Acetate	4.385	43	40666	14.336	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	210628	18.087	ug/l	98
20) Methylene Chloride	4.622	84	115371	19.731	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	112750	21.136	ug/l	95
22) Diisopropyl ether	6.025	45	262571	20.102	ug/l	98
23) Vinyl Acetate	5.964	43	663482	93.845	ug/l	99
24) 1,1-Dichloroethane	5.921	63	182790	21.127	ug/l	97
25) 2-Butanone	6.896	43	127919	96.899	ug/l	98
26) 2,2-Dichloropropane	6.884	77	169670	21.371	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	129077	20.947	ug/l	98
28) Bromochloromethane	7.250	49	65523	20.286	ug/l	99
29) Tetrahydrofuran	7.268	42	59944	80.074	ug/l	99
30) Chloroform	7.427	83	202307	21.282	ug/l	98
31) Cyclohexane	7.707	56	152122	20.133	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	183145	21.200	ug/l	98
36) 1,1-Dichloropropene	7.841	75	138137	21.238	ug/l	99
37) Ethyl Acetate	6.988	43	44763	17.371	ug/l	98
38) Carbon Tetrachloride	7.823	117	168704	21.390	ug/l	97
39) Methylcyclohexane	9.109	83	175568	20.731	ug/l	96
40) Benzene	8.079	78	440407	21.380	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	19639	14.092	ug/l #	81
42) 1,2-Dichloroethane	8.158	62	103889	19.556	ug/l	99
43) Isopropyl Acetate	8.201	43	86729	16.879	ug/l	99
44) Trichloroethene	8.866	130	125949	20.890	ug/l	96
45) 1,2-Dichloropropane	9.140	63	94672	20.808	ug/l	98
46) Dibromomethane	9.231	93	56601	19.674	ug/l	97
47) Bromodichloromethane	9.426	83	150294	20.742	ug/l	97
48) Methyl methacrylate	9.225	41	39342	16.298	ug/l	98
49) 1,4-Dioxane	9.231	88	10351	310.318	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	218082	82.147	ug/l	99
52) Toluene	10.170	92	288649	21.582	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	121887	19.346	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	152115	20.457	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	74234	19.188	ug/l	94
56) Ethyl methacrylate	10.438	69	75097	16.828	ug/l	98
57) 1,3-Dichloropropane	10.719	76	119779	19.538	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	170616	85.344	ug/l	99
59) 2-Hexanone	10.762	43	171998	90.658	ug/l	98
60) Dibromochloromethane	10.914	129	107532	19.825	ug/l	99
61) 1,2-Dibromoethane	11.018	107	69925	18.952	ug/l	99
64) Tetrachloroethene	10.646	164	150096	20.694	ug/l	98
65) Chlorobenzene	11.444	112	315065	20.622	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	112682	20.697	ug/l	100
67) Ethyl Benzene	11.518	91	515333	20.838	ug/l	99
68) m/p-Xylenes	11.627	106	426501	42.998	ug/l	100
69) o-Xylene	11.956	106	191706	20.605	ug/l	100
70) Styrene	11.969	104	313880	20.515	ug/l	99
71) Bromoform	12.133	173	61217	18.127	ug/l #	100
73) Isopropylbenzene	12.255	105	508620	21.217	ug/l	99
74) N-amyl acetate	12.072	43	70800	16.443	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	71428	18.218	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	52954m	16.500	ug/l	
77) Bromobenzene	12.536	156	129470	20.315	ug/l	98
78) n-propylbenzene	12.597	91	605975	21.844	ug/l	100
79) 2-Chlorotoluene	12.682	91	339866	20.922	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	423356	21.855	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	21929	16.756	ug/l	96
82) 4-Chlorotoluene	12.779	91	357661	21.378	ug/l	100
83) tert-Butylbenzene	12.999	119	377419	21.102	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	416452	21.542	ug/l	100
85) sec-Butylbenzene	13.176	105	557719	21.738	ug/l	99
86) p-Isopropyltoluene	13.292	119	472929	21.650	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	258745	20.849	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	252221	20.578	ug/l	99
89) n-Butylbenzene	13.615	91	409121	21.494	ug/l	98
90) Hexachloroethane	13.877	117	101170	21.533	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	220544	20.270	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10125	15.738	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	123408	18.194	ug/l	99
94) Hexachlorobutadiene	15.023	225	86275	20.404	ug/l	97
95) Naphthalene	15.145	128	160568	14.866	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	102396	17.428	ug/l	98

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

