

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023755.D
 Acq On : 12 Nov 2025 11:27
 Operator : SY/MD
 Sample : VY1112SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1112SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 03:36:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	549741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	816418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	694367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	349899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	238840	50.932	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.860%			
35) Dibromofluoromethane	7.634	113	256341	50.243	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.480%			
50) Toluene-d8	10.109	98	960728	50.550	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.100%			
62) 4-Bromofluorobenzene	12.402	95	307726	50.067	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	77006	21.339	ug/l	99
3) Chloromethane	2.074	50	97369	19.282	ug/l	96
4) Vinyl Chloride	2.208	62	128988	19.630	ug/l	99
5) Bromomethane	2.592	94	110135	19.925	ug/l	96
6) Chloroethane	2.739	64	88778	19.548	ug/l	99
7) Trichlorofluoromethane	3.062	101	192794	20.832	ug/l	99
8) Diethyl Ether	3.458	74	53590	21.594	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	108244	21.229	ug/l	98
10) Methyl Iodide	4.007	142	117521	19.518	ug/l	98
11) Tert butyl alcohol	4.854	59	36059	119.254	ug/l	99
12) 1,1-Dichloroethene	3.793	96	103569	21.086	ug/l	99
13) Acrolein	3.659	56	36994	95.187	ug/l	98
14) Allyl chloride	4.391	41	127230	21.281	ug/l	97
15) Acrylonitrile	5.067	53	102512	108.087	ug/l	100
16) Acetone	3.873	43	141684	121.551	ug/l	99
17) Carbon Disulfide	4.110	76	313135	20.772	ug/l	99
18) Methyl Acetate	4.391	43	41922	16.305	ug/l	95
19) Methyl tert-butyl Ether	5.122	73	241416	21.197	ug/l	97
20) Methylene Chloride	4.616	84	120421	21.400	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	114377	20.653	ug/l	96
22) Diisopropyl ether	6.025	45	289430	21.727	ug/l	96
23) Vinyl Acetate	5.964	43	803469	113.022	ug/l	97
24) 1,1-Dichloroethane	5.921	63	182684	20.585	ug/l	98
25) 2-Butanone	6.896	43	157019	116.510	ug/l	100
26) 2,2-Dichloropropane	6.890	77	174264	21.347	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	130664	20.658	ug/l	98
28) Bromochloromethane	7.250	49	71233	20.963	ug/l	100
29) Tetrahydrofuran	7.262	42	78052	108.748	ug/l	97
30) Chloroform	7.421	83	202312	20.432	ug/l	99
31) Cyclohexane	7.707	56	164424	21.275	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	186759	21.103	ug/l	99
36) 1,1-Dichloropropene	7.841	75	141845	20.805	ug/l	99
37) Ethyl Acetate	6.982	43	57256	21.694	ug/l	98
38) Carbon Tetrachloride	7.823	117	169607	21.114	ug/l	98
39) Methylcyclohexane	9.109	83	179638	20.621	ug/l	96
40) Benzene	8.085	78	446990	20.800	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	28804m	19.994	ug/l	
42) 1,2-Dichloroethane	8.158	62	114100	20.986	ug/l	99
43) Isopropyl Acetate	8.201	43	105238	21.222	ug/l	99
44) Trichloroethene	8.866	130	127006	20.577	ug/l	99
45) 1,2-Dichloropropane	9.140	63	96335	20.312	ug/l	99
46) Dibromomethane	9.231	93	60762	20.677	ug/l	100
47) Bromodichloromethane	9.420	83	153250	20.684	ug/l	96
48) Methyl methacrylate	9.225	41	47611	20.321	ug/l	97
49) 1,4-Dioxane	9.231	88	13008	432.531	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	287798	109.130	ug/l	98
52) Toluene	10.170	92	284485	20.735	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	131005	20.897	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	158694	21.128	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	81422	20.733	ug/l	96
56) Ethyl methacrylate	10.438	69	90516	20.919	ug/l	99
57) 1,3-Dichloropropane	10.719	76	127409	20.453	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	207410	104.459	ug/l	100
59) 2-Hexanone	10.762	43	219985	114.336	ug/l	99
60) Dibromochloromethane	10.914	129	110883	20.549	ug/l	99
61) 1,2-Dibromoethane	11.018	107	74553	20.228	ug/l	99
64) Tetrachloroethene	10.646	164	151096	20.906	ug/l	98
65) Chlorobenzene	11.438	112	313170	20.717	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	110058	20.590	ug/l	98
67) Ethyl Benzene	11.518	91	516183	21.099	ug/l	97
68) m/p-Xylenes	11.627	106	411561	42.104	ug/l	99
69) o-Xylene	11.956	106	188964	20.913	ug/l	99
70) Styrene	11.969	104	313157	21.005	ug/l	99
71) Bromoform	12.133	173	65706	21.047	ug/l #	98
73) Isopropylbenzene	12.255	105	491524	21.004	ug/l	99
74) N-amyl acetate	12.072	43	85724	21.636	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	79468	21.262	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	58568m	20.682	ug/l	
77) Bromobenzene	12.530	156	127328	20.976	ug/l	98
78) n-propylbenzene	12.591	91	584545	21.236	ug/l	99
79) 2-Chlorotoluene	12.676	91	335651	21.013	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	405620	21.333	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	25025	19.972	ug/l	93
82) 4-Chlorotoluene	12.780	91	348395	21.149	ug/l	99
83) tert-Butylbenzene	12.993	119	359841	20.779	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	398224	21.146	ug/l	100
85) sec-Butylbenzene	13.176	105	526022	21.060	ug/l	100
86) p-Isopropyltoluene	13.292	119	442600	20.932	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	243286	20.363	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	243795	20.773	ug/l	99
89) n-Butylbenzene	13.615	91	376156	20.458	ug/l	100
90) Hexachloroethane	13.877	117	90369	19.888	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	214583	20.841	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11936	20.741	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	118044	20.044	ug/l	100
94) Hexachlorobutadiene	15.023	225	77214	20.010	ug/l	98
95) Naphthalene	15.145	128	177293	20.669	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	101369	20.601	ug/l	99

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

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