

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023754.D
 Acq On : 12 Nov 2025 11:04
 Operator : SY/MD
 Sample : VY1112SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1112SBS01

Quant Time: Nov 14 03:35:18 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	546007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	796865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	695921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	358224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	230153	49.416	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.840%		
35) Dibromofluoromethane	7.634	113	251781	50.560	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.120%		
50) Toluene-d8	10.109	98	950745	51.252	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.500%		
62) 4-Bromofluorobenzene	12.408	95	310594	51.774	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	103.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	75861	21.166	ug/l	96
3) Chloromethane	2.074	50	95473	19.035	ug/l	98
4) Vinyl Chloride	2.208	62	125898	19.291	ug/l	99
5) Bromomethane	2.592	94	110591	20.145	ug/l	98
6) Chloroethane	2.739	64	86569	19.192	ug/l	99
7) Trichlorofluoromethane	3.062	101	193065	21.004	ug/l	99
8) Diethyl Ether	3.458	74	51199	20.771	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	103910	20.518	ug/l	99
10) Methyl Iodide	4.007	142	104268	17.436	ug/l	100
11) Tert butyl alcohol	4.854	59	32054	106.733	ug/l	98
12) 1,1-Dichloroethene	3.793	96	96315	19.743	ug/l	94
13) Acrolein	3.659	56	32635	84.546	ug/l	95
14) Allyl chloride	4.385	41	116750	19.662	ug/l	99
15) Acrylonitrile	5.061	53	95226	101.091	ug/l	98
16) Acetone	3.866	43	131027	113.177	ug/l	96
17) Carbon Disulfide	4.110	76	295046	19.705	ug/l	100
18) Methyl Acetate	4.391	43	39801	15.586	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	223019	19.715	ug/l	99
20) Methylene Chloride	4.622	84	112698	20.165	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	108183	19.668	ug/l	98
22) Diisopropyl ether	6.018	45	268058	20.260	ug/l	92
23) Vinyl Acetate	5.964	43	743253	105.267	ug/l	99
24) 1,1-Dichloroethane	5.915	63	175299	19.888	ug/l	99
25) 2-Butanone	6.896	43	143833	107.456	ug/l	99
26) 2,2-Dichloropropane	6.890	77	160319	19.773	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	123095	19.595	ug/l	100
28) Bromochloromethane	7.250	49	68160	20.196	ug/l	99
29) Tetrahydrofuran	7.262	42	70757	99.258	ug/l	100
30) Chloroform	7.427	83	192666	19.591	ug/l	99
31) Cyclohexane	7.701	56	152164	19.823	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	176895	20.125	ug/l	100
36) 1,1-Dichloropropene	7.835	75	136108	20.454	ug/l	99
37) Ethyl Acetate	6.988	43	55113	21.394	ug/l	96
38) Carbon Tetrachloride	7.823	117	160196	20.432	ug/l	98
39) Methylcyclohexane	9.109	83	170328	20.032	ug/l	98
40) Benzene	8.079	78	422366	20.136	ug/l	100

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41) Methacrylonitrile	7.220	41	26488	18.837	ug/l	93
42) 1,2-Dichloroethane	8.158	62	107624	20.281	ug/l	98
43) Isopropyl Acetate	8.195	43	98243	20.297	ug/l	98
44) Trichloroethene	8.866	130	121333	20.140	ug/l	100
45) 1,2-Dichloropropane	9.140	63	91399	19.744	ug/l	100
46) Dibromomethane	9.231	93	56733	19.779	ug/l	99
47) Bromodichloromethane	9.426	83	146486	20.256	ug/l	98
48) Methyl methacrylate	9.225	41	42932	18.774	ug/l	93
49) 1,4-Dioxane	9.231	88	11767	400.867	ug/l #	96
51) 4-Methyl-2-Pentanone	9.999	43	266672	103.601	ug/l	99
52) Toluene	10.170	92	275871	20.601	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	121908	19.923	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	146970	20.047	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	75882	19.796	ug/l	98
56) Ethyl methacrylate	10.438	69	85323	20.203	ug/l	99
57) 1,3-Dichloropropane	10.719	76	123192	20.262	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	192429	99.292	ug/l	100
59) 2-Hexanone	10.762	43	202789	107.985	ug/l	99
60) Dibromochloromethane	10.914	129	105980	20.122	ug/l	100
61) 1,2-Dibromoethane	11.018	107	72340	20.109	ug/l	99
64) Tetrachloroethene	10.646	164	144882	20.002	ug/l	95
65) Chlorobenzene	11.444	112	300999	19.868	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	105628	19.717	ug/l	98
67) Ethyl Benzene	11.518	91	495224	20.197	ug/l	97
68) m/p-Xylenes	11.627	106	401550	40.988	ug/l	100
69) o-Xylene	11.956	106	179658	19.839	ug/l	99
70) Styrene	11.969	104	300983	20.144	ug/l	100
71) Bromoform	12.133	173	63763	20.379	ug/l #	99
73) Isopropylbenzene	12.255	105	475092	19.830	ug/l	100
74) N-amyl acetate	12.072	43	78890	19.449	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	75530	19.739	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	59053m	20.369	ug/l	
77) Bromobenzene	12.536	156	121816	19.601	ug/l	98
78) n-propylbenzene	12.597	91	562853	19.972	ug/l	99
79) 2-Chlorotoluene	12.682	91	322130	19.698	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	392909	20.184	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	25027	19.509	ug/l	99
82) 4-Chlorotoluene	12.779	91	338093	20.047	ug/l	100
83) tert-Butylbenzene	12.999	119	342262	19.305	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	390413	20.249	ug/l	100
85) sec-Butylbenzene	13.176	105	516942	20.215	ug/l	100
86) p-Isopropyltoluene	13.292	119	432225	19.966	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	236767	19.357	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	235098	19.566	ug/l	99
89) n-Butylbenzene	13.621	91	370888	19.703	ug/l	100
90) Hexachloroethane	13.883	117	90499	19.454	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	206816	19.620	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10802	18.334	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	112897	18.724	ug/l	100
94) Hexachlorobutadiene	15.023	225	74687	18.905	ug/l	98
95) Naphthalene	15.145	128	164618	19.235	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	95857	19.028	ug/l	99

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

