

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023561.D
 Acq On : 24 Oct 2025 09:52
 Operator : SY/MD
 Sample : VY1024SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1024SBS01

Quant Time: Oct 24 23:47:02 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 :Amit Patel 10/27/2025
 Supervised By :Mahesh Dadoda 10/27/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	551537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	799010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	709717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	380713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	203935	44.218	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.440%		
35) Dibromofluoromethane	7.634	113	243016	49.499	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.000%		
50) Toluene-d8	10.109	98	884395	48.371	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.740%		
62) 4-Bromofluorobenzene	12.407	95	297693	49.317	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	73940	18.625	ug/l	99
3) Chloromethane	2.074	50	93760	17.337	ug/l	97
4) Vinyl Chloride	2.208	62	126898	18.015	ug/l	100
5) Bromomethane	2.592	94	121542	20.561	ug/l	100
6) Chloroethane	2.732	64	88904	18.516	ug/l	99
7) Trichlorofluoromethane	3.055	101	186017	19.019	ug/l	99
8) Diethyl Ether	3.458	74	50315	19.688	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	101494	19.998	ug/l	97
10) Methyl Iodide	4.006	142	106029	18.766	ug/l	97
11) Tert butyl alcohol	4.848	59	31189	90.901	ug/l	97
12) 1,1-Dichloroethene	3.787	96	97421	19.802	ug/l	97
13) Acrolein	3.659	56	23585	48.647	ug/l	98
14) Allyl chloride	4.384	41	109431	18.251	ug/l	97
15) Acrylonitrile	5.061	53	93885	95.993	ug/l	98
16) Acetone	3.866	43	140610	128.062	ug/l	99
17) Carbon Disulfide	4.104	76	258594	18.365	ug/l	99
18) Methyl Acetate	4.390	43	49637	17.234	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	236371	19.990	ug/l	96
20) Methylene Chloride	4.616	84	109899	18.510	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	108914	20.107	ug/l	97
22) Diisopropyl ether	6.024	45	256039	19.305	ug/l	96
23) Vinyl Acetate	5.963	43	676295	94.207	ug/l	97
24) 1,1-Dichloroethane	5.921	63	174246	19.834	ug/l	98
25) 2-Butanone	6.896	43	151403	112.949	ug/l	100
26) 2,2-Dichloropropane	6.890	77	163903	20.332	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	130666	20.884	ug/l	95
28) Bromochloromethane	7.250	49	61891	18.871	ug/l	90
29) Tetrahydrofuran	7.268	42	69086	90.887	ug/l	93
30) Chloroform	7.420	83	197077	20.417	ug/l	99
31) Cyclohexane	7.701	56	140190	18.272	ug/l	98
32) 1,1,1-Trichloroethane	7.615	97	179638	20.479	ug/l	98
36) 1,1-Dichloropropene	7.841	75	130575	20.089	ug/l	99
37) Ethyl Acetate	6.987	43	49292	19.142	ug/l	97
38) Carbon Tetrachloride	7.823	117	162485	20.617	ug/l	99
39) Methylcyclohexane	9.109	83	169117	19.984	ug/l	99
40) Benzene	8.079	78	426341	20.712	ug/l	97

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41) Methacrylonitrile	7.225	41	26399m	18.956	ug/l	
42) 1,2-Dichloroethane	8.158	62	104042	19.599	ug/l	97
43) Isopropyl Acetate	8.201	43	95722	18.643	ug/l	95
44) Trichloroethene	8.865	130	128825	21.383	ug/l	95
45) 1,2-Dichloropropane	9.146	63	92312	20.304	ug/l	100
46) Dibromomethane	9.231	93	59886	20.831	ug/l	96
47) Bromodichloromethane	9.426	83	150883	20.839	ug/l	99
48) Methyl methacrylate	9.225	41	43337	17.966	ug/l	89
49) 1,4-Dioxane	9.231	88	12987	389.621	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	255637	96.362	ug/l	96
52) Toluene	10.170	92	284413	21.281	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	127577	20.264	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	153131	20.608	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	83454	21.587	ug/l	97
56) Ethyl methacrylate	10.438	69	88085	19.752	ug/l	94
57) 1,3-Dichloropropane	10.718	76	126908	20.716	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	198103	99.163	ug/l	97
59) 2-Hexanone	10.761	43	211229	111.416	ug/l	96
60) Dibromochloromethane	10.914	129	115677	21.342	ug/l	100
61) 1,2-Dibromoethane	11.017	107	78817	21.377	ug/l	99
64) Tetrachloroethene	10.645	164	151245	20.639	ug/l	97
65) Chlorobenzene	11.444	112	322004	20.861	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	116589	21.195	ug/l	99
67) Ethyl Benzene	11.517	91	512753	20.521	ug/l	99
68) m/p-Xylenes	11.627	106	423494	42.257	ug/l	99
69) o-Xylene	11.956	106	198083	21.072	ug/l	97
70) Styrene	11.968	104	323830	20.949	ug/l	99
71) Bromoform	12.133	173	71371	20.917	ug/l #	99
73) Isopropylbenzene	12.255	105	516359	20.581	ug/l	100
74) N-amyl acetate	12.072	43	79625	17.669	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	83375	20.318	ug/l	99
76) 1,2,3-Trichloropropane	12.553	75	61116m	18.195	ug/l	
77) Bromobenzene	12.529	156	137052	20.547	ug/l	98
78) n-propylbenzene	12.596	91	595772	20.520	ug/l	99
79) 2-Chlorotoluene	12.675	91	344916	20.287	ug/l	98
80) 1,3,5-Trimethylbenzene	12.736	105	419394	20.686	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	26936	19.665	ug/l	96
82) 4-Chlorotoluene	12.773	91	358669	20.484	ug/l	99
83) tert-Butylbenzene	12.999	119	392010	20.942	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	420704	20.792	ug/l	99
85) sec-Butylbenzene	13.175	105	560392	20.869	ug/l	100
86) p-Isopropyltoluene	13.291	119	476750	20.853	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	264896	20.394	ug/l	100
88) 1,4-Dichlorobenzene	13.364	146	264053	20.584	ug/l	100
89) n-Butylbenzene	13.614	91	401494	20.154	ug/l	99
90) Hexachloroethane	13.876	117	99943	20.324	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	232521	20.419	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12890	19.144	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	141537	19.937	ug/l	100
94) Hexachlorobutadiene	15.023	225	90220	20.387	ug/l	100
95) Naphthalene	15.144	128	210092	18.584	ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	120577	19.609	ug/l	100

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

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