

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111025\
 Data File : VY023715.D
 Acq On : 10 Nov 2025 15:11
 Operator : SY/MD
 Sample : VY1110SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1110SBS01

Manual Integrations
 APPROVED

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

Quant Time: Nov 11 02:07:25 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	7.707	168	519398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	787388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	701210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	356981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	237224	54.619	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.240%			
35) Dibromofluoromethane	7.634	113	251198	51.921	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.840%			
50) Toluene-d8	10.103	98	971514	53.920	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.840%			
62) 4-Bromofluorobenzene	12.401	95	313981	52.783	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	77565	20.747	ug/l	99
3) Chloromethane	2.068	50	110650	21.726	ug/l	99
4) Vinyl Chloride	2.202	62	135094	20.365	ug/l	98
5) Bromomethane	2.592	94	109952	19.752	ug/l	97
6) Chloroethane	2.732	64	92114	20.371	ug/l	98
7) Trichlorofluoromethane	3.056	101	182316	19.795	ug/l	99
8) Diethyl Ether	3.452	74	49229	20.455	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.818	101	102857	21.521	ug/l	97
10) Methyl Iodide	4.007	142	107474	20.199	ug/l	99
11) Tert butyl alcohol	4.860	59	40587	125.612	ug/l #	93
12) 1,1-Dichloroethene	3.787	96	97207	20.981	ug/l	94
13) Acrolein	3.647	56	36311	79.530	ug/l	99
14) Allyl chloride	4.385	41	125978	22.311	ug/l	96
15) Acrylonitrile	5.061	53	101298	109.982	ug/l	99
16) Acetone	3.866	43	114672	110.902	ug/l	96
17) Carbon Disulfide	4.104	76	306981	23.150	ug/l	100
18) Methyl Acetate	4.391	43	47628	17.559	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	231040	20.748	ug/l	98
20) Methylene Chloride	4.610	84	118618	21.215	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	113103	22.173	ug/l	98
22) Diisopropyl ether	6.018	45	294543	23.582	ug/l	96
23) Vinyl Acetate	5.964	43	758081	112.134	ug/l	99
24) 1,1-Dichloroethane	5.915	63	185924	22.472	ug/l	95
25) 2-Butanone	6.896	43	143697	113.833	ug/l	88
26) 2,2-Dichloropropane	6.884	77	163777	21.573	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	127074	21.566	ug/l	97
28) Bromochloromethane	7.244	49	73678	23.855	ug/l	91
29) Tetrahydrofuran	7.262	42	77685	108.523	ug/l	94
30) Chloroform	7.421	83	204072	22.450	ug/l	100
31) Cyclohexane	7.701	56	158715	21.967	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	180011	21.791	ug/l	99
36) 1,1-Dichloropropene	7.835	75	138080	21.558	ug/l	99
37) Ethyl Acetate	6.982	43	55229	21.765	ug/l	98
38) Carbon Tetrachloride	7.817	117	160788	20.702	ug/l	99
39) Methylcyclohexane	9.109	83	167938	20.137	ug/l	93
40) Benzene	8.079	78	452253	22.295	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	26758m	19.497	ug/l	
42) 1,2-Dichloroethane	8.158	62	112341	21.474	ug/l	100
43) Isopropyl Acetate	8.195	43	105712	20.892	ug/l	98
44) Trichloroethene	8.866	130	124391	20.951	ug/l	99
45) 1,2-Dichloropropane	9.140	63	100183	22.360	ug/l	98
46) Dibromomethane	9.231	93	59633	21.049	ug/l	96
47) Bromodichloromethane	9.420	83	153688	21.539	ug/l	98
48) Methyl methacrylate	9.219	41	47660	20.050	ug/l	98
49) 1,4-Dioxane	9.225	88	12051	366.877	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	278089	106.373	ug/l	98
52) Toluene	10.170	92	287178	21.805	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	126757	20.431	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	154148	21.051	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	81349	21.353	ug/l	96
56) Ethyl methacrylate	10.438	69	88314	20.096	ug/l	98
57) 1,3-Dichloropropane	10.719	76	130698	21.649	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	204597	103.926	ug/l	97
59) 2-Hexanone	10.762	43	200160	107.135	ug/l	96
60) Dibromochloromethane	10.908	129	108994	20.406	ug/l	100
61) 1,2-Dibromoethane	11.012	107	74488	20.501	ug/l	99
64) Tetrachloroethene	10.646	164	152766	21.099	ug/l	98
65) Chlorobenzene	11.438	112	314368	20.613	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	110906	20.407	ug/l	99
67) Ethyl Benzene	11.518	91	511626	20.725	ug/l	99
68) m/p-Xylenes	11.627	106	412281	41.637	ug/l	97
69) o-Xylene	11.956	106	186647	20.096	ug/l	97
70) Styrene	11.969	104	312333	20.450	ug/l	98
71) Bromoform	12.127	173	64645	19.176	ug/l #	100
73) Isopropylbenzene	12.255	105	483802	20.565	ug/l	98
74) N-amyl acetate	12.066	43	85783	20.301	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	79446	20.647	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	60048m	19.066	ug/l	
77) Bromobenzene	12.530	156	126017	20.149	ug/l	94
78) n-propylbenzene	12.590	91	587185	21.569	ug/l	98
79) 2-Chlorotoluene	12.676	91	341501	21.421	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	405632	21.337	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	25170	19.597	ug/l	95
82) 4-Chlorotoluene	12.773	91	356931	21.739	ug/l	98
83) tert-Butylbenzene	12.999	119	358046	20.399	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	404487	21.320	ug/l	98
85) sec-Butylbenzene	13.176	105	522612	20.756	ug/l	99
86) p-Isopropyltoluene	13.292	119	441378	20.589	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	247763	20.343	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	242647	20.173	ug/l	97
89) n-Butylbenzene	13.615	91	378800	20.279	ug/l	98
90) Hexachloroethane	13.877	117	96872	21.010	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	219157	20.525	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13179	20.875	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	121916	18.315	ug/l	99
94) Hexachlorobutadiene	15.023	225	79494	19.157	ug/l	98
95) Naphthalene	15.145	128	180242	17.004	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	106230	18.424	ug/l	99

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

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