

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023382.D
 Acq On : 25 Sep 2025 18:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 26 04:28:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
 Supervised By :Semsettin Yesilyurt 09/29/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	533611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	813307	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	736444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	398160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	216216	46.112	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.220%		
35) Dibromofluoromethane	7.634	113	235696	47.410	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.820%		
50) Toluene-d8	10.109	98	901437	48.019	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.040%		
62) 4-Bromofluorobenzene	12.401	95	299466	50.691	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.380%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	171687	40.104	ug/l	99
3) Chloromethane	2.068	50	278808	45.513	ug/l	99
4) Vinyl Chloride	2.202	62	351399	45.534	ug/l	99
5) Bromomethane	2.598	94	286343	45.441	ug/l	96
6) Chloroethane	2.738	64	246216	47.145	ug/l	100
7) Trichlorofluoromethane	3.055	101	437380	44.903	ug/l	98
8) Diethyl Ether	3.458	74	126447	49.062	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.817	101	230696	44.040	ug/l	95
10) Methyl Iodide	4.006	142	282445	46.222	ug/l	100
11) Tert butyl alcohol	4.860	59	80212	296.059	ug/l #	86
12) 1,1-Dichloroethene	3.793	96	229334	45.510	ug/l	89
13) Acrolein	3.653	56	27706	60.489	ug/l	98
14) Allyl chloride	4.384	41	290701	45.667	ug/l	97
15) Acrylonitrile	5.061	53	241405	237.932	ug/l	100
16) Acetone	3.872	43	177941	166.603	ug/l	98
17) Carbon Disulfide	4.104	76	674084	42.251	ug/l	100
18) Methyl Acetate	4.384	43	185076	70.641	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	603846	50.963	ug/l	98
20) Methylene Chloride	4.616	84	289973	50.746	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	264273	46.937	ug/l	93
22) Diisopropyl ether	6.018	45	672614	47.445	ug/l	96
23) Vinyl Acetate	5.963	43	1656335	211.337	ug/l	96
24) 1,1-Dichloroethane	5.915	63	431249	46.508	ug/l	99
25) 2-Butanone	6.896	43	286855	218.218	ug/l	94
26) 2,2-Dichloropropane	6.884	77	342041	41.777	ug/l	97
27) cis-1,2-Dichloroethene	6.890	96	311223	48.812	ug/l	92
28) Bromochloromethane	7.244	49	150538	41.259	ug/l	84
29) Tetrahydrofuran	7.262	42	191897	246.114	ug/l	93
30) Chloroform	7.420	83	474329	47.609	ug/l	95
31) Cyclohexane	7.701	56	348335	42.452	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	414764	46.596	ug/l	98
36) 1,1-Dichloropropene	7.835	75	320977	45.331	ug/l	98
37) Ethyl Acetate	6.988	43	124289	44.126	ug/l	96
38) Carbon Tetrachloride	7.823	117	374515	45.967	ug/l	99
39) Methylcyclohexane	9.109	83	418027	46.148	ug/l	95
40) Benzene	8.079	78	1030768	46.834	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	74259	50.910	ug/l	94
42) 1,2-Dichloroethane	8.158	62	264492	47.201	ug/l	98
43) Isopropyl Acetate	8.201	43	254773	46.505	ug/l #	81
44) Trichloroethene	8.865	130	287636	46.921	ug/l	97
45) 1,2-Dichloropropane	9.140	63	234012	47.079	ug/l	99
46) Dibromomethane	9.231	93	145430	48.043	ug/l	95
47) Bromodichloromethane	9.420	83	364361	47.846	ug/l	97
48) Methyl methacrylate	9.219	41	126230	49.433	ug/l	91
49) 1,4-Dioxane	9.231	88	33371	1086.025	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	706702	252.143	ug/l	97
52) Toluene	10.170	92	675842	48.388	ug/l	99
53) t-1,3-Dichloropropene	10.389	75	316513	48.275	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	376586	48.068	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	196638	48.835	ug/l	97
56) Ethyl methacrylate	10.438	69	244601	52.432	ug/l	95
57) 1,3-Dichloropropane	10.719	76	319379	48.857	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	570791	280.730	ug/l	93
59) 2-Hexanone	10.761	43	467059	241.055	ug/l	97
60) Dibromochloromethane	10.908	129	272903	49.951	ug/l	100
61) 1,2-Dibromoethane	11.011	107	189002	50.091	ug/l	100
64) Tetrachloroethene	10.645	164	340346	46.369	ug/l	97
65) Chlorobenzene	11.438	112	766405	47.504	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	271182	47.888	ug/l	99
67) Ethyl Benzene	11.517	91	1268274	48.118	ug/l	98
68) m/p-Xylenes	11.627	106	1017410	96.399	ug/l	96
69) o-Xylene	11.950	106	484396	49.579	ug/l	97
70) Styrene	11.968	104	812805	50.196	ug/l	98
71) Bromoform	12.127	173	164637	48.820	ug/l #	97
73) Isopropylbenzene	12.255	105	1239056	46.199	ug/l	98
74) N-amyl acetate	12.066	43	216870	42.779	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	207489	46.096	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	178140m	44.180	ug/l	
77) Bromobenzene	12.529	156	322030	46.998	ug/l	91
78) n-propylbenzene	12.590	91	1443119	45.653	ug/l	97
79) 2-Chlorotoluene	12.676	91	837726	46.011	ug/l	97
80) 1,3,5-Trimethylbenzene	12.730	105	1017882	46.663	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	63468	42.926	ug/l	98
82) 4-Chlorotoluene	12.773	91	863223	45.312	ug/l	97
83) tert-Butylbenzene	12.993	119	934571	47.305	ug/l	97
84) 1,2,4-Trimethylbenzene	13.041	105	1022072	47.363	ug/l	98
85) sec-Butylbenzene	13.169	105	1324103	46.064	ug/l	98
86) p-Isopropyltoluene	13.285	119	1136577	46.809	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	619749	45.708	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	603514	44.938	ug/l	98
89) n-Butylbenzene	13.614	91	990069	45.977	ug/l	99
90) Hexachloroethane	13.877	117	234736	44.592	ug/l	93
91) 1,2-Dichlorobenzene	13.657	146	542946	45.927	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	34086	48.261	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	339933	49.295	ug/l	98
94) Hexachlorobutadiene	15.023	225	194572	45.635	ug/l	97
95) Naphthalene	15.139	128	577559	52.109	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	296529	49.514	ug/l	99

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

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