

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
 Data File : VY023961.D
 Acq On : 11 Dec 2025 17:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/12/2025
 Supervised By : Mahesh Dadoda 12/12/2025

Quant Time: Dec 12 03:27:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	514241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	739787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	649168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	344634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	221018	48.611	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.220%		
35) Dibromofluoromethane	7.640	113	240450	49.722	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.440%		
50) Toluene-d8	10.109	98	894326	49.672	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.340%		
62) 4-Bromofluorobenzene	12.408	95	308667	51.335	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	183008	51.319	ug/l	99
3) Chloromethane	2.074	50	239910	52.368	ug/l	98
4) Vinyl Chloride	2.208	62	305796	54.019	ug/l	100
5) Bromomethane	2.604	94	241316	50.070	ug/l	99
6) Chloroethane	2.739	64	215051	53.917	ug/l	99
7) Trichlorofluoromethane	3.068	101	449744	52.771	ug/l	98
8) Diethyl Ether	3.464	74	130196	55.608	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.824	101	256873	51.718	ug/l	97
10) Methyl Iodide	4.013	142	342027	55.868	ug/l	99
11) Tert butyl alcohol	4.872	59	72036	273.610	ug/l	99
12) 1,1-Dichloroethene	3.793	96	253180	54.253	ug/l	97
13) Acrolein	3.659	56	132545	314.773	ug/l	99
14) Allyl chloride	4.391	41	306118	51.266	ug/l	98
15) Acrylonitrile	5.067	53	252425	270.601	ug/l	100
16) Acetone	3.873	43	307547	263.442	ug/l	96
17) Carbon Disulfide	4.110	76	702908	56.719	ug/l	99
18) Methyl Acetate	4.397	43	111124	54.020	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	632118	56.643	ug/l	95
20) Methylene Chloride	4.622	84	310518	58.053	ug/l	94
21) trans-1,2-Dichloroethene	5.122	96	279317	54.522	ug/l	97
22) Diisopropyl ether	6.025	45	717392	52.762	ug/l	99
23) Vinyl Acetate	5.970	43	1981141	262.235	ug/l	97
24) 1,1-Dichloroethane	5.921	63	451762	53.306	ug/l	98
25) 2-Butanone	6.902	43	352233	250.684	ug/l	100
26) 2,2-Dichloropropane	6.890	77	399246	50.454	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	330836	56.255	ug/l	96
28) Bromochloromethane	7.250	49	152354	47.719	ug/l	93
29) Tetrahydrofuran	7.268	42	195968	273.473	ug/l	95
30) Chloroform	7.427	83	505171	54.569	ug/l	97
31) Cyclohexane	7.707	56	391628	50.226	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	460376	53.628	ug/l	98
36) 1,1-Dichloropropene	7.841	75	347402	52.767	ug/l	98
37) Ethyl Acetate	6.988	43	143843	53.654	ug/l	98
38) Carbon Tetrachloride	7.823	117	422340	52.925	ug/l	97
39) Methylcyclohexane	9.109	83	481593	54.752	ug/l	99
40) Benzene	8.085	78	1093678	54.551	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	82477m	55.922	ug/l	
42) 1,2-Dichloroethane	8.164	62	285011	54.210	ug/l	99
43) Isopropyl Acetate	8.201	43	278190	55.096	ug/l #	86
44) Trichloroethene	8.872	130	326385	56.145	ug/l	99
45) 1,2-Dichloropropane	9.146	63	243764	53.888	ug/l	100
46) Dibromomethane	9.231	93	152429	57.213	ug/l	98
47) Bromodichloromethane	9.426	83	382766	54.612	ug/l	99
48) Methyl methacrylate	9.225	41	132276	56.275	ug/l	96
49) 1,4-Dioxane	9.231	88	33485	1127.369	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	728349	272.256	ug/l	97
52) Toluene	10.170	92	719266	54.216	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	339770	56.098	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	398795	55.876	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	207412	56.562	ug/l	98
56) Ethyl methacrylate	10.438	69	258828	59.539	ug/l	94
57) 1,3-Dichloropropane	10.719	76	329045	55.481	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	513820	272.869	ug/l	98
59) 2-Hexanone	10.762	43	538297	265.121	ug/l	98
60) Dibromochloromethane	10.914	129	288744	56.874	ug/l	99
61) 1,2-Dibromoethane	11.018	107	196690	57.884	ug/l	100
64) Tetrachloroethene	10.652	164	418200	59.966	ug/l	94
65) Chlorobenzene	11.444	112	811790	53.967	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	289779	54.929	ug/l	98
67) Ethyl Benzene	11.517	91	1363576	54.102	ug/l	99
68) m/p-Xylenes	11.627	106	1093699	109.314	ug/l	100
69) o-Xylene	11.956	106	519643	55.521	ug/l	99
70) Styrene	11.969	104	851700	56.329	ug/l	99
71) Bromoform	12.133	173	174138	56.011	ug/l #	99
73) Isopropylbenzene	12.255	105	1348309	53.533	ug/l	100
74) N-amyl acetate	12.072	43	248487	55.621	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	197845	51.589	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	162281m	55.666	ug/l	
77) Bromobenzene	12.536	156	337214	53.960	ug/l	97
78) n-propylbenzene	12.597	91	1541001	52.587	ug/l	98
79) 2-Chlorotoluene	12.682	91	881033	52.928	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	1082249	53.861	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	67567	52.757	ug/l	98
82) 4-Chlorotoluene	12.779	91	908006	52.989	ug/l	100
83) tert-Butylbenzene	12.999	119	997106	53.708	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1071100	53.811	ug/l	100
85) sec-Butylbenzene	13.176	105	1429402	52.781	ug/l	100
86) p-Isopropyltoluene	13.292	119	1217227	53.099	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	636131	52.416	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	611633	51.127	ug/l	99
89) n-Butylbenzene	13.621	91	1038413	51.776	ug/l	99
90) Hexachloroethane	13.883	117	245902	52.568	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	553024	52.594	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31587	53.196	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	325677	52.699	ug/l	100
94) Hexachlorobutadiene	15.023	225	210925	52.069	ug/l	99
95) Naphthalene	15.145	128	549261	57.479	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	273976	52.097	ug/l	99

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

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