

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY022997.D
 Acq On : 18 Jul 2025 14:02
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY071825

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 19 01:54:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	453518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	746741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	626160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	299370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	226218	49.273	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.540%		
35) Dibromofluoromethane	7.634	113	223521	47.188	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.380%		
50) Toluene-d8	10.103	98	896545	47.728	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.460%		
62) 4-Bromofluorobenzene	12.401	95	281129	47.544	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	175922	45.684	ug/l	97
3) Chloromethane	2.068	50	324675	49.585	ug/l	99
4) Vinyl Chloride	2.202	62	415835	50.127	ug/l	99
5) Bromomethane	2.592	94	295948	49.431	ug/l	97
6) Chloroethane	2.732	64	278774	50.317	ug/l	97
7) Trichlorofluoromethane	3.056	101	465046	48.293	ug/l	99
8) Diethyl Ether	3.452	74	118735	47.110	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	245333	48.497	ug/l	99
10) Methyl Iodide	4.000	142	241459	45.946	ug/l	99
11) Tert butyl alcohol	4.848	59	73748	265.607	ug/l	98
12) 1,1-Dichloroethene	3.787	96	234490	48.659	ug/l	98
13) Acrolein	3.647	56	17160	131.522	ug/l	96
14) Allyl chloride	4.385	41	363225	49.474	ug/l	99
15) Acrylonitrile	5.049	53	244867	256.502	ug/l	99
16) Acetone	3.866	43	181785	218.434	ug/l	99
17) Carbon Disulfide	4.104	76	701041	47.999	ug/l	100
18) Methyl Acetate	4.378	43	144987	51.459	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	583103	50.446	ug/l	99
20) Methylene Chloride	4.616	84	289542	49.355	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	263910	49.197	ug/l	95
22) Diisopropyl ether	6.018	45	794156	50.987	ug/l	100
23) Vinyl Acetate	5.957	43	2045811	260.680	ug/l	100
24) 1,1-Dichloroethane	5.915	63	486435	49.723	ug/l	99
25) 2-Butanone	6.890	43	296567	248.403	ug/l	99
26) 2,2-Dichloropropane	6.884	77	411291	47.970	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	307144	49.681	ug/l	99
28) Bromochloromethane	7.244	49	190788	50.281	ug/l	97
29) Tetrahydrofuran	7.256	42	198327	262.377	ug/l	98
30) Chloroform	7.421	83	485939	49.239	ug/l	99
31) Cyclohexane	7.701	56	436690	47.772	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	433361	48.396	ug/l	98
36) 1,1-Dichloropropene	7.835	75	359563	48.190	ug/l	99
37) Ethyl Acetate	6.976	43	136167	49.138	ug/l	99
38) Carbon Tetrachloride	7.817	117	385805	47.594	ug/l	98
39) Methylcyclohexane	9.109	83	480021	49.705	ug/l	99
40) Benzene	8.079	78	1095313	48.756	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	77017m	51.019	ug/l	
42) 1,2-Dichloroethane	8.158	62	273227	48.885	ug/l	99
43) Isopropyl Acetate	8.195	43	282687	51.356	ug/l #	87
44) Trichloroethene	8.865	130	271109	46.984	ug/l	99
45) 1,2-Dichloropropane	9.140	63	254972	48.601	ug/l	97
46) Dibromomethane	9.225	93	130449	48.105	ug/l	98
47) Bromodichloromethane	9.420	83	365153	48.715	ug/l	98
48) Methyl methacrylate	9.219	41	137807	51.856	ug/l	99
49) 1,4-Dioxane	9.219	88	29701	1039.077	ug/l	90
51) 4-Methyl-2-Pentanone	9.993	43	736605	263.650	ug/l	100
52) Toluene	10.170	92	689665	49.377	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	320495	49.810	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	379652	48.953	ug/l	97
55) 1,1,2-Trichloroethane	10.566	97	174146	48.860	ug/l	98
56) Ethyl methacrylate	10.438	69	233062	52.383	ug/l	99
57) 1,3-Dichloropropane	10.713	76	305501	49.619	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	555885	255.234	ug/l	99
59) 2-Hexanone	10.755	43	480633	261.717	ug/l	100
60) Dibromochloromethane	10.908	129	228677	48.997	ug/l	100
61) 1,2-Dibromoethane	11.011	107	160833	49.692	ug/l	99
64) Tetrachloroethene	10.646	164	293758	45.898	ug/l	97
65) Chlorobenzene	11.438	112	717316	48.547	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	243320	48.281	ug/l	100
67) Ethyl Benzene	11.517	91	1318781	50.355	ug/l	100
68) m/p-Xylenes	11.627	106	1010405	100.584	ug/l	100
69) o-Xylene	11.950	106	473728	50.815	ug/l	99
70) Styrene	11.969	104	777326	50.903	ug/l	100
71) Bromoform	12.127	173	127473	49.825	ug/l #	98
73) Isopropylbenzene	12.249	105	1251340	49.302	ug/l	100
74) N-amyl acetate	12.066	43	250015	52.247	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	183595	49.985	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	180298m	48.332	ug/l	
77) Bromobenzene	12.529	156	264397	48.030	ug/l	99
78) n-propylbenzene	12.590	91	1513140	50.062	ug/l	100
79) 2-Chlorotoluene	12.676	91	839059	49.359	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	1003448	50.127	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	58179	46.452	ug/l	99
82) 4-Chlorotoluene	12.773	91	844578	49.261	ug/l	100
83) tert-Butylbenzene	12.993	119	916326	50.676	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	992142	50.349	ug/l	100
85) sec-Butylbenzene	13.170	105	1377425	50.832	ug/l	100
86) p-Isopropyltoluene	13.285	119	1135708	51.605	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	544171	48.983	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	520095	48.393	ug/l	100
89) n-Butylbenzene	13.615	91	1047169	51.565	ug/l	100
90) Hexachloroethane	13.877	117	225252	49.436	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	452157	48.252	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	27119	49.725	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	241340	48.859	ug/l	99
94) Hexachlorobutadiene	15.017	225	147040	47.217	ug/l	100
95) Naphthalene	15.139	128	404535	51.062	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	199538	48.924	ug/l	99

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

