

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023231.D
 Acq On : 28 Aug 2025 17:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 29 02:13:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/29/2025
 Supervised By : Mahesh Dadoda 08/29/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	446649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	693822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	621726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	331319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	200581	47.119	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.240%		
35) Dibromofluoromethane	7.634	113	210357	50.669	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.340%		
50) Toluene-d8	10.103	98	815332	50.271	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.540%		
62) 4-Bromofluorobenzene	12.401	95	264473	50.705	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.420%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	132369	36.307	ug/l	99
3) Chloromethane	2.068	50	239482	40.556	ug/l	100
4) Vinyl Chloride	2.202	62	307449	42.120	ug/l	98
5) Bromomethane	2.592	94	237968	43.653	ug/l	100
6) Chloroethane	2.732	64	219286	45.187	ug/l	97
7) Trichlorofluoromethane	3.056	101	376339	42.401	ug/l	99
8) Diethyl Ether	3.452	74	102201	43.523	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	193052	44.088	ug/l	98
10) Methyl Iodide	4.007	142	230098	48.697	ug/l	99
11) Tert butyl alcohol	4.860	59	62921	215.722	ug/l	99
12) 1,1-Dichloroethene	3.787	96	188129	43.709	ug/l	89
13) Acrolein	3.647	56	23739	55.574	ug/l	99
14) Allyl chloride	4.385	41	256509	40.502	ug/l	98
15) Acrylonitrile	5.055	53	217263	227.579	ug/l	98
16) Acetone	3.866	43	164169	178.013	ug/l	99
17) Carbon Disulfide	4.104	76	576542	41.082	ug/l	98
18) Methyl Acetate	4.379	43	133599	48.681	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	494127	44.304	ug/l	100
20) Methylene Chloride	4.616	84	229835	47.843	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	220897	45.669	ug/l	94
22) Diisopropyl ether	6.018	45	602617	43.788	ug/l	97
23) Vinyl Acetate	5.958	43	1589465	208.872	ug/l	99
24) 1,1-Dichloroethane	5.915	63	381900	45.389	ug/l	100
25) 2-Butanone	6.890	43	255296	203.542	ug/l	96
26) 2,2-Dichloropropane	6.884	77	302803	41.707	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	262283	46.905	ug/l	94
28) Bromochloromethane	7.244	49	164636	49.319	ug/l	92
29) Tetrahydrofuran	7.262	42	169571	218.107	ug/l	96
30) Chloroform	7.421	83	411287	47.396	ug/l	98
31) Cyclohexane	7.701	56	310099	39.110	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	351959	45.711	ug/l	99
36) 1,1-Dichloropropene	7.835	75	280837	45.517	ug/l	99
37) Ethyl Acetate	6.982	43	115435	44.539	ug/l	98
38) Carbon Tetrachloride	7.817	117	314329	46.906	ug/l	97
39) Methylcyclohexane	9.109	83	354831	43.672	ug/l	96
40) Benzene	8.079	78	896400	47.138	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	59491	39.773	ug/l #	89
42) 1,2-Dichloroethane	8.158	62	227788	46.057	ug/l	98
43) Isopropyl Acetate	8.195	43	229347	43.781	ug/l #	84
44) Trichloroethene	8.866	130	246893	50.240	ug/l	99
45) 1,2-Dichloropropane	9.140	63	205421	46.948	ug/l	99
46) Dibromomethane	9.231	93	125465	49.958	ug/l	99
47) Bromodichloromethane	9.426	83	314564	48.678	ug/l	99
48) Methyl methacrylate	9.219	41	111204	44.363	ug/l	94
49) 1,4-Dioxane	9.225	88	27842	945.499	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	620561	229.656	ug/l	98
52) Toluene	10.170	92	581685	48.161	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	269759	46.099	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	318274	45.996	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	165046	49.114	ug/l	99
56) Ethyl methacrylate	10.438	69	202535	47.100	ug/l	97
57) 1,3-Dichloropropane	10.713	76	273717	48.028	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	528860	260.733	ug/l	97
59) 2-Hexanone	10.762	43	412899	224.406	ug/l	100
60) Dibromochloromethane	10.908	129	227234	51.246	ug/l	99
61) 1,2-Dibromoethane	11.011	107	155901	49.359	ug/l	99
64) Tetrachloroethene	10.646	164	312038	56.207	ug/l	98
65) Chlorobenzene	11.438	112	642550	47.913	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.517	131	225048	49.445	ug/l	98
67) Ethyl Benzene	11.517	91	1087395	47.117	ug/l	98
68) m/p-Xylenes	11.627	106	869083	96.419	ug/l	96
69) o-Xylene	11.950	106	406808	48.188	ug/l	99
70) Styrene	11.969	104	687228	49.778	ug/l	98
71) Bromoform	12.127	173	131954	49.605	ug/l #	98
73) Isopropylbenzene	12.255	105	1051372	44.961	ug/l	100
74) N-amyl acetate	12.066	43	197614	39.849	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	158763	39.762	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	147175m	46.027	ug/l	
77) Bromobenzene	12.530	156	255884	45.868	ug/l	96
78) n-propylbenzene	12.590	91	1246318	44.767	ug/l	98
79) 2-Chlorotoluene	12.676	91	713718	44.743	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	859583	45.483	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	53977	40.862	ug/l	98
82) 4-Chlorotoluene	12.773	91	730716	44.158	ug/l	98
83) tert-Butylbenzene	12.993	119	770738	45.155	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	860718	45.751	ug/l	99
85) sec-Butylbenzene	13.170	105	1139199	45.434	ug/l	100
86) p-Isopropyltoluene	13.285	119	962687	46.255	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	502415	45.668	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	498134	45.645	ug/l	99
89) n-Butylbenzene	13.615	91	851525	44.547	ug/l	99
90) Hexachloroethane	13.877	117	197894	46.448	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	449674	46.607	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	26668	42.898	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	256106	44.887	ug/l	98
94) Hexachlorobutadiene	15.023	225	154939	46.212	ug/l	99
95) Naphthalene	15.139	128	442540	45.486	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	224782	45.720	ug/l	99

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

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