

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023162.D
 Acq On : 20 Aug 2025 09:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 08/22/2025
 Supervised By : Semsettin Yesilyurt 08/22/2025

Quant Time: Aug 20 10:40:05 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

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	494314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	753839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	669405	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	347499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	217050	46.072	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.140%		
35) Dibromofluoromethane	7.634	113	226814	50.283	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.560%		
50) Toluene-d8	10.109	98	876788	49.757	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.520%		
62) 4-Bromofluorobenzene	12.408	95	279699	49.355	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	180567	44.752	ug/l	99
3) Chloromethane	2.074	50	320547	49.049	ug/l	99
4) Vinyl Chloride	2.202	62	422265	52.271	ug/l	100
5) Bromomethane	2.598	94	323126	53.558	ug/l	99
6) Chloroethane	2.733	64	287842	53.594	ug/l	98
7) Trichlorofluoromethane	3.056	101	502649	51.171	ug/l	99
8) Diethyl Ether	3.458	74	125091	48.134	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	253822	52.376	ug/l	100
10) Methyl Iodide	4.007	142	294445	56.306	ug/l	98
11) Tert butyl alcohol	4.854	59	69024	213.827	ug/l	100
12) 1,1-Dichloroethene	3.787	96	246545	51.758	ug/l	98
13) Acrolein	3.653	56	50137	106.054	ug/l	98
14) Allyl chloride	4.385	41	340817	48.625	ug/l	98
15) Acrylonitrile	5.055	53	257445	243.666	ug/l	100
16) Acetone	3.867	43	285386	279.613	ug/l	100
17) Carbon Disulfide	4.110	76	775252	49.914	ug/l	100
18) Methyl Acetate	4.385	43	144528	47.585	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	604602	48.982	ug/l	99
20) Methylene Chloride	4.616	84	265161	49.996	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	282768	52.823	ug/l	99
22) Diisopropyl ether	6.019	45	762865	50.087	ug/l	96
23) Vinyl Acetate	5.958	43	2101300	249.506	ug/l	99
24) 1,1-Dichloroethane	5.915	63	478452	51.381	ug/l	99
25) 2-Butanone	6.896	43	349276	251.618	ug/l	97
26) 2,2-Dichloropropane	6.884	77	428627	53.345	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	322809	52.163	ug/l	98
28) Bromochloromethane	7.244	49	178354	48.277	ug/l	96
29) Tetrahydrofuran	7.262	42	207058	240.643	ug/l	99
30) Chloroform	7.421	83	501780	52.249	ug/l	96
31) Cyclohexane	7.701	56	427482	48.716	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	449604	52.762	ug/l	99
36) 1,1-Dichloropropene	7.835	75	366529	54.676	ug/l	100
37) Ethyl Acetate	6.988	43	144228	51.218	ug/l	99
38) Carbon Tetrachloride	7.823	117	406373	55.813	ug/l	97
39) Methylcyclohexane	9.110	83	482198	54.623	ug/l	97
40) Benzene	8.079	78	1126859	54.539	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	84658	52.092	ug/l	96
42) 1,2-Dichloroethane	8.158	62	282946	52.655	ug/l	100
43) Isopropyl Acetate	8.195	43	284274	49.946	ug/l	98
44) Trichloroethene	8.866	130	299298	56.055	ug/l	100
45) 1,2-Dichloropropane	9.140	63	252505	53.114	ug/l	100
46) Dibromomethane	9.231	93	147989	54.236	ug/l	99
47) Bromodichloromethane	9.427	83	383482	54.618	ug/l	99
48) Methyl methacrylate	9.225	41	139348	51.164	ug/l	98
49) 1,4-Dioxane	9.231	88	31872	996.184	ug/l	93
51) 4-Methyl-2-Pentanone	10.000	43	753630	256.697	ug/l	98
52) Toluene	10.170	92	736387	56.116	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	340402	53.540	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	405022	53.872	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	197682	54.142	ug/l	98
56) Ethyl methacrylate	10.439	69	244976	52.434	ug/l	99
57) 1,3-Dichloropropane	10.719	76	327595	52.905	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	557088	252.784	ug/l	98
59) 2-Hexanone	10.762	43	540467	270.352	ug/l	99
60) Dibromochloromethane	10.914	129	263855	54.767	ug/l	99
61) 1,2-Dibromoethane	11.012	107	184447	53.748	ug/l	99
64) Tetrachloroethene	10.646	164	353669	59.168	ug/l	97
65) Chlorobenzene	11.444	112	796710	55.177	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	270191	55.136	ug/l	99
67) Ethyl Benzene	11.518	91	1384094	55.702	ug/l	100
68) m/p-Xylenes	11.627	106	1105831	113.946	ug/l	97
69) o-Xylene	11.957	106	511966	56.325	ug/l	99
70) Styrene	11.969	104	858795	57.774	ug/l	98
71) Bromoform	12.133	173	154856	54.068	ug/l #	98
73) Isopropylbenzene	12.255	105	1345769	54.871	ug/l	100
74) N-amyl acetate	12.072	43	256941	49.400	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	199471	47.632	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	165993m	49.495	ug/l	
77) Bromobenzene	12.530	156	310639	53.090	ug/l	97
78) n-propylbenzene	12.597	91	1608842	55.097	ug/l	99
79) 2-Chlorotoluene	12.676	91	899173	53.745	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1100113	55.500	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	70373	50.794	ug/l	98
82) 4-Chlorotoluene	12.780	91	933833	53.806	ug/l	99
83) tert-Butylbenzene	12.999	119	988243	55.202	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1086959	55.087	ug/l	99
85) sec-Butylbenzene	13.176	105	1468282	55.832	ug/l	100
86) p-Isopropyltoluene	13.292	119	1243706	56.975	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	635256	55.055	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	619608	54.132	ug/l	99
89) n-Butylbenzene	13.615	91	1135038	56.614	ug/l	99
90) Hexachloroethane	13.877	117	247354	55.353	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	548379	54.191	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31841	48.834	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	312389	52.202	ug/l	98
94) Hexachlorobutadiene	15.023	225	185835	52.847	ug/l	99
95) Naphthalene	15.145	128	526458	51.592	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	268232	52.017	ug/l	100

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

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