

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023181.D
 Acq On : 20 Aug 2025 17:41
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Aug 21 01:41:30 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	7.707	168	431711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	681100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	612955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	314994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	201806	49.047	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.100%		
35) Dibromofluoromethane	7.634	113	205442	50.409	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.820%		
50) Toluene-d8	10.103	98	803956	50.496	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.000%		
62) 4-Bromofluorobenzene	12.401	95	254520	49.709	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	140877	39.978	ug/l	97
3) Chloromethane	2.068	50	261276	45.777	ug/l	100
4) Vinyl Chloride	2.202	62	338048	47.914	ug/l	98
5) Bromomethane	2.592	94	264319	50.164	ug/l	99
6) Chloroethane	2.732	64	236880	50.501	ug/l	98
7) Trichlorofluoromethane	3.049	101	393907	45.916	ug/l	99
8) Diethyl Ether	3.452	74	103960	45.804	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	197614	46.691	ug/l	99
10) Methyl Iodide	4.001	142	225990	49.483	ug/l	99
11) Tert butyl alcohol	4.854	59	62649	222.221	ug/l	100
12) 1,1-Dichloroethene	3.787	96	193943	46.619	ug/l	94
13) Acrolein	3.647	56	44701	108.267	ug/l	99
14) Allyl chloride	4.378	41	270128	44.128	ug/l	98
15) Acrylonitrile	5.055	53	223687	242.415	ug/l	100
16) Acetone	3.866	43	177721	199.376	ug/l	99
17) Carbon Disulfide	4.104	76	607851	44.811	ug/l	99
18) Methyl Acetate	4.385	43	130298	49.121	ug/l	96
19) Methyl tert-butyl Ether	5.110	73	510091	47.317	ug/l	99
20) Methylene Chloride	4.616	84	223113	48.063	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	223660	47.840	ug/l	96
22) Diisopropyl ether	6.018	45	627852	47.200	ug/l	97
23) Vinyl Acetate	5.957	43	1719391	233.764	ug/l	99
24) 1,1-Dichloroethane	5.909	63	388982	47.830	ug/l	99
25) 2-Butanone	6.890	43	272663	224.910	ug/l	97
26) 2,2-Dichloropropane	6.884	77	311074	44.329	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	262081	48.491	ug/l	97
28) Bromochloromethane	7.244	49	163067	50.540	ug/l	97
29) Tetrahydrofuran	7.262	42	179182	238.443	ug/l	98
30) Chloroform	7.421	83	414476	49.417	ug/l	94
31) Cyclohexane	7.701	56	324389	42.328	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	361459	48.569	ug/l	99
36) 1,1-Dichloropropene	7.835	75	288831	47.687	ug/l	98
37) Ethyl Acetate	6.982	43	123240	48.438	ug/l	99
38) Carbon Tetrachloride	7.817	117	317448	48.256	ug/l	99
39) Methylcyclohexane	9.109	83	370443	46.445	ug/l	98
40) Benzene	8.079	78	922826	49.434	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	62713	42.710	ug/l #	91
42) 1,2-Dichloroethane	8.158	62	237320	48.880	ug/l	99
43) Isopropyl Acetate	8.195	43	243485	47.349	ug/l	97
44) Trichloroethene	8.866	130	243042	50.380	ug/l	97
45) 1,2-Dichloropropane	9.140	63	213263	49.651	ug/l	98
46) Dibromomethane	9.231	93	125873	51.057	ug/l	100
47) Bromodichloromethane	9.420	83	319939	50.434	ug/l	98
48) Methyl methacrylate	9.219	41	117938	47.928	ug/l	95
49) 1,4-Dioxane	9.231	88	29639	1025.325	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	660107	248.855	ug/l	99
52) Toluene	10.170	92	591391	49.880	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	277440	48.297	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	332155	48.898	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	167667	50.825	ug/l	96
56) Ethyl methacrylate	10.438	69	214252	50.756	ug/l	98
57) 1,3-Dichloropropane	10.719	76	280045	50.056	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	553935	278.196	ug/l	99
59) 2-Hexanone	10.762	43	434814	240.731	ug/l	99
60) Dibromochloromethane	10.908	129	221938	50.987	ug/l	100
61) 1,2-Dibromoethane	11.011	107	156537	50.486	ug/l	98
64) Tetrachloroethene	10.646	164	294304	53.771	ug/l	97
65) Chlorobenzene	11.438	112	649300	49.109	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	224242	49.973	ug/l	98
67) Ethyl Benzene	11.517	91	1114480	48.982	ug/l	98
68) m/p-Xylenes	11.627	106	886344	99.741	ug/l	97
69) o-Xylene	11.950	106	416104	49.995	ug/l	100
70) Styrene	11.969	104	710534	52.202	ug/l	97
71) Bromoform	12.127	173	133042	50.729	ug/l #	99
73) Isopropylbenzene	12.249	105	1062843	47.807	ug/l	100
74) N-amyl acetate	12.066	43	214847	45.570	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	171339	45.136	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	149402m	49.145	ug/l	
77) Bromobenzene	12.529	156	255129	48.103	ug/l	97
78) n-propylbenzene	12.590	91	1275610	48.193	ug/l	99
79) 2-Chlorotoluene	12.676	91	723999	47.740	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	862323	47.993	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	55521	44.210	ug/l	98
82) 4-Chlorotoluene	12.773	91	748821	47.598	ug/l	98
83) tert-Butylbenzene	12.993	119	780594	48.102	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	869337	48.604	ug/l	99
85) sec-Butylbenzene	13.170	105	1147774	48.148	ug/l	100
86) p-Isopropyltoluene	13.285	119	965816	48.810	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	508936	48.659	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	497592	47.958	ug/l	100
89) n-Butylbenzene	13.615	91	869741	47.858	ug/l	99
90) Hexachloroethane	13.877	117	197634	48.791	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	445962	48.617	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	27394	46.349	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	242796	44.759	ug/l	98
94) Hexachlorobutadiene	15.017	225	143992	45.173	ug/l	99
95) Naphthalene	15.139	128	429158	46.397	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	213464	45.668	ug/l	98

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

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