

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023752.D
 Acq On : 12 Nov 2025 10:01
 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 :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 01:18:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	542463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	778548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	693308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	345261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	227103	49.079	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.160%		
35) Dibromofluoromethane	7.634	113	249654	51.312	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.620%		
50) Toluene-d8	10.109	98	929077	51.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.520%		
62) 4-Bromofluorobenzene	12.408	95	325031	55.455	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	110.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	155853	43.768	ug/l	98
3) Chloromethane	2.074	50	214055	42.957	ug/l	99
4) Vinyl Chloride	2.208	62	290034	44.730	ug/l	100
5) Bromomethane	2.598	94	241839	44.340	ug/l	99
6) Chloroethane	2.739	64	210632	47.001	ug/l	98
7) Trichlorofluoromethane	3.062	101	452930	49.598	ug/l	99
8) Diethyl Ether	3.458	74	127491	52.061	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	249419	49.573	ug/l	98
10) Methyl Iodide	4.013	142	311272	52.391	ug/l	100
11) Tert butyl alcohol	4.866	59	79248	265.604	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	241841	49.898	ug/l	99
13) Acrolein	3.659	56	56726	147.917	ug/l	98
14) Allyl chloride	4.391	41	296624	50.281	ug/l	99
15) Acrylonitrile	5.061	53	256549	274.130	ug/l	99
16) Acetone	3.873	43	340696	296.206	ug/l	99
17) Carbon Disulfide	4.110	76	709324	47.684	ug/l	99
18) Methyl Acetate	4.391	43	119901	47.261	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	609991	54.277	ug/l	98
20) Methylene Chloride	4.622	84	267307	48.141	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	272626	49.888	ug/l	97
22) Diisopropyl ether	6.025	45	689356	52.442	ug/l	99
23) Vinyl Acetate	5.964	43	1980312	282.304	ug/l	100
24) 1,1-Dichloroethane	5.921	63	436028	49.791	ug/l	100
25) 2-Butanone	6.896	43	378488	284.611	ug/l	99
26) 2,2-Dichloropropane	6.890	77	405422	50.330	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	318192	50.982	ug/l	99
28) Bromochloromethane	7.250	49	168834	50.352	ug/l	99
29) Tetrahydrofuran	7.262	42	201776	284.902	ug/l	98
30) Chloroform	7.427	83	486957	49.839	ug/l	99
31) Cyclohexane	7.707	56	373665	48.997	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	439582	50.338	ug/l	100
36) 1,1-Dichloropropene	7.841	75	336435	51.748	ug/l	100
37) Ethyl Acetate	6.988	43	144553	57.434	ug/l	100
38) Carbon Tetrachloride	7.823	117	404231	52.770	ug/l	97
39) Methylcyclohexane	9.109	83	447873	53.914	ug/l	99
40) Benzene	8.085	78	1057576	51.606	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	73481m	53.487	ug/l	
42) 1,2-Dichloroethane	8.158	62	272360	52.532	ug/l	99
43) Isopropyl Acetate	8.201	43	269125	56.911	ug/l	99
44) Trichloroethene	8.866	130	303172	51.507	ug/l	99
45) 1,2-Dichloropropane	9.146	63	234620	51.875	ug/l	97
46) Dibromomethane	9.231	93	151745	54.149	ug/l	99
47) Bromodichloromethane	9.426	83	373574	52.874	ug/l	99
48) Methyl methacrylate	9.225	41	127862	57.229	ug/l	98
49) 1,4-Dioxane	9.231	88	32778	1142.921	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	737994	293.452	ug/l	99
52) Toluene	10.170	92	701055	53.583	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	328830	55.004	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	384462	53.676	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	202168	53.983	ug/l	98
56) Ethyl methacrylate	10.438	69	250544	60.719	ug/l	98
57) 1,3-Dichloropropane	10.719	76	318852	53.676	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	517745	273.439	ug/l	100
59) 2-Hexanone	10.762	43	556162	303.122	ug/l	99
60) Dibromochloromethane	10.914	129	281149	54.637	ug/l	99
61) 1,2-Dibromoethane	11.018	107	192335	54.724	ug/l	99
64) Tetrachloroethene	10.646	164	375348	52.014	ug/l	99
65) Chlorobenzene	11.444	112	795130	52.681	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	283711	53.158	ug/l	99
67) Ethyl Benzene	11.518	91	1340142	54.861	ug/l	98
68) m/p-Xylenes	11.627	106	1066846	109.309	ug/l	99
69) o-Xylene	11.956	106	497753	55.171	ug/l	99
70) Styrene	11.969	104	831999	55.893	ug/l	100
71) Bromoform	12.133	173	179488	57.582	ug/l	99
73) Isopropylbenzene	12.255	105	1308186	56.652	ug/l	99
74) N-amyl acetate	12.072	43	239771	61.329	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	207541	56.274	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	135408m	48.460	ug/l	
77) Bromobenzene	12.536	156	330972	55.256	ug/l	98
78) n-propylbenzene	12.597	91	1536805	56.580	ug/l	100
79) 2-Chlorotoluene	12.682	91	874697	55.496	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1064739	56.750	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	71767	58.044	ug/l	99
82) 4-Chlorotoluene	12.779	91	898820	55.295	ug/l	100
83) tert-Butylbenzene	12.999	119	934952	54.715	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1032214	55.547	ug/l	99
85) sec-Butylbenzene	13.176	105	1362855	55.296	ug/l	100
86) p-Isopropyltoluene	13.292	119	1155519	55.382	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	621543	52.721	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	606732	52.392	ug/l	99
89) n-Butylbenzene	13.615	91	1022377	56.351	ug/l	99
90) Hexachloroethane	13.883	117	238901	53.282	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	548166	53.955	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32148	56.614	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	321156	55.264	ug/l	100
94) Hexachlorobutadiene	15.023	225	202421	53.162	ug/l	99
95) Naphthalene	15.145	128	530711	52.002	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	273690	56.369	ug/l	99

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

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