

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023772.D
 Acq On : 12 Nov 2025 18:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 03:42:31 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	7.707	168	577390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	862346	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	774905	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	403475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	250237	50.807	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.620%			
35) Dibromofluoromethane	7.634	113	272574	50.579	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.160%			
50) Toluene-d8	10.103	98	1027836	51.201	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.400%			
62) 4-Bromofluorobenzene	12.401	95	354930	54.672	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	152961	40.358	ug/l	98
3) Chloromethane	2.068	50	235999	44.496	ug/l	98
4) Vinyl Chloride	2.202	62	300246	43.504	ug/l	97
5) Bromomethane	2.598	94	243162	41.885	ug/l	98
6) Chloroethane	2.732	64	198711	41.658	ug/l	98
7) Trichlorofluoromethane	3.055	101	460685	47.396	ug/l	99
8) Diethyl Ether	3.458	74	132853	50.969	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.817	101	260757	48.691	ug/l	100
10) Methyl Iodide	4.006	142	307190	48.576	ug/l	99
11) Tert butyl alcohol	4.848	59	96200	302.916	ug/l	99
12) 1,1-Dichloroethene	3.793	96	251819	48.814	ug/l	99
13) Acrolein	3.653	56	52268	128.048	ug/l	97
14) Allyl chloride	4.384	41	327093	52.092	ug/l	97
15) Acrylonitrile	5.055	53	273315	274.379	ug/l	99
16) Acetone	3.866	43	289837	236.745	ug/l	99
17) Carbon Disulfide	4.104	76	746915	47.173	ug/l	100
18) Methyl Acetate	4.384	43	131954	48.866	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	641828	53.655	ug/l	98
20) Methylene Chloride	4.616	84	298539	50.514	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	288804	49.651	ug/l	96
22) Diisopropyl ether	6.018	45	760857	54.380	ug/l	98
23) Vinyl Acetate	5.957	43	2067448	276.897	ug/l	98
24) 1,1-Dichloroethane	5.914	63	475143	50.976	ug/l	100
25) 2-Butanone	6.890	43	364903	257.797	ug/l	98
26) 2,2-Dichloropropane	6.884	77	418598	48.822	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	340453	51.249	ug/l	99
28) Bromochloromethane	7.250	49	180195	50.489	ug/l	94
29) Tetrahydrofuran	7.262	42	211665	280.786	ug/l	97
30) Chloroform	7.420	83	525227	50.504	ug/l	100
31) Cyclohexane	7.701	56	399329	49.194	ug/l	99
32) 1,1,1-Trichloroethane	7.615	97	460141	49.504	ug/l	99
36) 1,1-Dichloropropene	7.835	75	359214	49.882	ug/l	98
37) Ethyl Acetate	6.981	43	155061	55.622	ug/l	99
38) Carbon Tetrachloride	7.817	117	420581	49.570	ug/l	98
39) Methylcyclohexane	9.109	83	466839	50.736	ug/l	99
40) Benzene	8.079	78	1128287	49.707	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	75152m	49.387	ug/l	
42) 1,2-Dichloroethane	8.158	62	291271	50.720	ug/l	100
43) Isopropyl Acetate	8.195	43	286883	54.771	ug/l	99
44) Trichloroethene	8.865	130	321599	49.328	ug/l	98
45) 1,2-Dichloropropane	9.140	63	256585	51.218	ug/l	98
46) Dibromomethane	9.231	93	157189	50.641	ug/l	99
47) Bromodichloromethane	9.420	83	402962	51.491	ug/l	96
48) Methyl methacrylate	9.219	41	136228	55.048	ug/l	99
49) 1,4-Dioxane	9.231	88	35164	1106.970	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	769210	276.143	ug/l	100
52) Toluene	10.170	92	747579	51.587	ug/l	98
53) t-1,3-Dichloropropene	10.395	75	350061	52.865	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	414012	52.185	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	211283	50.934	ug/l	98
56) Ethyl methacrylate	10.438	69	265337	58.055	ug/l	99
57) 1,3-Dichloropropane	10.712	76	346948	52.730	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.706	63	588814	280.755	ug/l	98
59) 2-Hexanone	10.761	43	544010	267.687	ug/l	100
60) Dibromochloromethane	10.907	129	289732	50.834	ug/l	99
61) 1,2-Dibromoethane	11.011	107	202642	52.053	ug/l	99
64) Tetrachloroethene	10.645	164	408777	50.682	ug/l	98
65) Chlorobenzene	11.438	112	821565	48.701	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	296076	49.634	ug/l	99
67) Ethyl Benzene	11.517	91	1411232	51.688	ug/l	97
68) m/p-Xylenes	11.627	106	1107847	101.558	ug/l	98
69) o-Xylene	11.950	106	519500	51.519	ug/l	97
70) Styrene	11.968	104	875737	52.636	ug/l	99
71) Bromoform	12.133	173	175375	50.338	ug/l	99
73) Isopropylbenzene	12.255	105	1358059	50.326	ug/l	100
74) N-amyl acetate	12.066	43	250757	54.885	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	211542	49.083	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	156934m	48.060	ug/l	
77) Bromobenzene	12.529	156	337553	48.224	ug/l	96
78) n-propylbenzene	12.590	91	1597956	50.343	ug/l	99
79) 2-Chlorotoluene	12.675	91	924060	50.169	ug/l	99
80) 1,3,5-Trimethylbenzene	12.730	105	1108229	50.546	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	69362	48.005	ug/l	98
82) 4-Chlorotoluene	12.773	91	942097	49.595	ug/l	99
83) tert-Butylbenzene	12.992	119	992613	49.708	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	1107228	50.987	ug/l	99
85) sec-Butylbenzene	13.175	105	1446107	50.209	ug/l	99
86) p-Isopropyltoluene	13.291	119	1217451	49.932	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	647118	46.971	ug/l	99
88) 1,4-Dichlorobenzene	13.364	146	631531	46.665	ug/l	99
89) n-Butylbenzene	13.614	91	1070282	50.480	ug/l	99
90) Hexachloroethane	13.876	117	245175	46.792	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	567145	47.768	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	33674	50.745	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	330554	48.674	ug/l	99
94) Hexachlorobutadiene	15.023	225	207853	46.713	ug/l	99
95) Naphthalene	15.145	128	537194	45.747	ug/l	100
96) 1,2,3-Trichlorobenzene	15.327	180	284046	50.061	ug/l	100

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

