

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111025\
 Data File : VY023727.D
 Acq On : 10 Nov 2025 20:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Nov 11 02:12:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	542757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	816441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	723857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	373081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	220901	48.671	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.340%		
35) Dibromofluoromethane	7.640	113	248880	49.611	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.220%		
50) Toluene-d8	10.109	98	940784	50.357	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.720%		
62) 4-Bromofluorobenzene	12.408	95	311716	50.538	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	150126	38.428	ug/l	99
3) Chloromethane	2.074	50	212736	39.973	ug/l	99
4) Vinyl Chloride	2.208	62	286362	41.311	ug/l	99
5) Bromomethane	2.604	94	244833	42.089	ug/l	100
6) Chloroethane	2.745	64	207976	44.015	ug/l	99
7) Trichlorofluoromethane	3.068	101	413643	42.977	ug/l	99
8) Diethyl Ether	3.464	74	125135	49.756	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	241230	48.300	ug/l	99
10) Methyl Iodide	4.013	142	337436	60.689	ug/l	98
11) Tert butyl alcohol	4.866	59	69613	206.171	ug/l	99
12) 1,1-Dichloroethene	3.799	96	239614	49.491	ug/l	97
13) Acrolein	3.659	56	55021	115.323	ug/l	99
14) Allyl chloride	4.391	41	291258	49.362	ug/l	98
15) Acrylonitrile	5.067	53	234857	244.016	ug/l	100
16) Acetone	3.873	43	230783	213.589	ug/l	99
17) Carbon Disulfide	4.116	76	704919	50.871	ug/l	100
18) Methyl Acetate	4.391	43	120153	42.391	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	602805	51.804	ug/l	99
20) Methylene Chloride	4.622	84	273565	46.822	ug/l	99
21) trans-1,2-Dichloroethene	5.128	96	275602	51.704	ug/l	98
22) Diisopropyl ether	6.025	45	679777	52.084	ug/l	97
23) Vinyl Acetate	5.970	43	1803096	255.232	ug/l	99
24) 1,1-Dichloroethane	5.921	63	438499	50.720	ug/l	98
25) 2-Butanone	6.896	43	294646	223.366	ug/l	99
26) 2,2-Dichloropropane	6.890	77	389493	49.098	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	330458	53.670	ug/l	96
28) Bromochloromethane	7.250	49	162128	50.233	ug/l	99
29) Tetrahydrofuran	7.262	42	175796	235.011	ug/l	97
30) Chloroform	7.427	83	490492	51.638	ug/l	99
31) Cyclohexane	7.707	56	363491	48.144	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	435547	50.456	ug/l	99
36) 1,1-Dichloropropene	7.841	75	337235	50.777	ug/l	99
37) Ethyl Acetate	6.994	43	129454	49.200	ug/l	98
38) Carbon Tetrachloride	7.823	117	394227	48.953	ug/l	99
39) Methylcyclohexane	9.109	83	442030	51.117	ug/l	97
40) Benzene	8.085	78	1073573	51.042	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	72664	51.062	ug/l #	88
42) 1,2-Dichloroethane	8.158	62	265202	48.890	ug/l	98
43) Isopropyl Acetate	8.201	43	251354	47.908	ug/l #	85
44) Trichloroethene	8.872	130	309982	50.353	ug/l	99
45) 1,2-Dichloropropane	9.146	63	240260	51.716	ug/l	100
46) Dibromomethane	9.237	93	147642	50.259	ug/l	98
47) Bromodichloromethane	9.426	83	374332	50.595	ug/l	99
48) Methyl methacrylate	9.225	41	117983	47.867	ug/l	98
49) 1,4-Dioxane	9.231	88	30112	884.098	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	655792	241.922	ug/l	98
52) Toluene	10.170	92	715363	52.383	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	328212	51.019	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	393549	51.833	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	200699	50.805	ug/l	98
56) Ethyl methacrylate	10.438	69	241085	52.907	ug/l	98
57) 1,3-Dichloropropane	10.719	76	320948	51.271	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	524088	256.739	ug/l	100
59) 2-Hexanone	10.762	43	451360	232.993	ug/l	98
60) Dibromochloromethane	10.914	129	280664	50.675	ug/l	100
61) 1,2-Dibromoethane	11.018	107	190419	50.543	ug/l	100
64) Tetrachloroethene	10.646	164	390665	52.269	ug/l	98
65) Chlorobenzene	11.444	112	796366	50.584	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	282260	50.311	ug/l	99
67) Ethyl Benzene	11.518	91	1338380	52.518	ug/l	100
68) m/p-Xylenes	11.627	106	1077123	105.378	ug/l	99
69) o-Xylene	11.956	106	508134	53.000	ug/l	99
70) Styrene	11.969	104	839426	53.242	ug/l	100
71) Bromoform	12.133	173	168810	48.508	ug/l #	99
73) Isopropylbenzene	12.255	105	1300577	52.898	ug/l	100
74) N-amyl acetate	12.072	43	210461	47.658	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	194679	48.412	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	147682m	44.867	ug/l	
77) Bromobenzene	12.530	156	329827	50.460	ug/l	99
78) n-propylbenzene	12.597	91	1516866	53.314	ug/l	100
79) 2-Chlorotoluene	12.682	91	858863	51.549	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1057819	53.243	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	64932	48.374	ug/l	99
82) 4-Chlorotoluene	12.779	91	891991	51.984	ug/l	99
83) tert-Butylbenzene	12.999	119	952311	51.914	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1057179	53.318	ug/l	99
85) sec-Butylbenzene	13.176	105	1375532	52.273	ug/l	99
86) p-Isopropyltoluene	13.292	119	1179080	52.627	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	634100	49.818	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	619142	49.252	ug/l	100
89) n-Butylbenzene	13.615	91	1016155	52.052	ug/l	99
90) Hexachloroethane	13.883	117	239912	49.787	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	556200	49.842	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	27956	42.369	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	321260	46.179	ug/l	98
94) Hexachlorobutadiene	15.023	225	198116	45.684	ug/l	98
95) Naphthalene	15.145	128	508226	45.877	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	270538	44.896	ug/l	100

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

