

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101325\
 Data File : VY023447.D
 Acq On : 13 Oct 2025 08:53
 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 10/14/2025
 Supervised By :Semsettin Yesilyurt 10/14/2025

Quant Time: Oct 14 04:14:51 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	579996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	827529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	738334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	381034	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	220424	45.448	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.900%
35) Dibromofluoromethane	7.640	113	247677	48.710	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.420%
50) Toluene-d8	10.109	98	919127	48.538	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.080%
62) 4-Bromofluorobenzene	12.408	95	304174	48.654	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	180914	43.335	ug/l	99
3) Chloromethane	2.074	50	240994	42.376	ug/l	99
4) Vinyl Chloride	2.208	62	325462	43.937	ug/l	99
5) Bromomethane	2.598	94	264833	42.604	ug/l	99
6) Chloroethane	2.739	64	235633	46.667	ug/l	99
7) Trichlorofluoromethane	3.062	101	469076	45.608	ug/l	98
8) Diethyl Ether	3.458	74	123865	46.089	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	255972	47.961	ug/l	100
10) Methyl Iodide	4.007	142	327717	55.157	ug/l	99
11) Tert butyl alcohol	4.854	59	72109	199.851	ug/l	100
12) 1,1-Dichloroethene	3.793	96	243095	46.987	ug/l	97
13) Acrolein	3.659	56	75970	149.009	ug/l	98
14) Allyl chloride	4.385	41	293353	46.525	ug/l	98
15) Acrylonitrile	5.061	53	244167	237.401	ug/l	99
16) Acetone	3.866	43	302415	261.914	ug/l	99
17) Carbon Disulfide	4.110	76	700704	47.320	ug/l	100
18) Methyl Acetate	4.391	43	149638	49.404	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	605721	48.713	ug/l	95
20) Methylene Chloride	4.622	84	272944	43.716	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	277802	48.771	ug/l	96
22) Diisopropyl ether	6.025	45	677581	48.582	ug/l	99
23) Vinyl Acetate	5.964	43	1783681	236.273	ug/l	99
24) 1,1-Dichloroethane	5.921	63	445877	48.262	ug/l	99
25) 2-Butanone	6.896	43	339389	240.765	ug/l	99
26) 2,2-Dichloropropane	6.890	77	417412	49.239	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	326905	49.684	ug/l	98
28) Bromochloromethane	7.250	49	152690	44.272	ug/l	100
29) Tetrahydrofuran	7.262	42	185953	232.628	ug/l	98
30) Chloroform	7.427	83	500735	49.331	ug/l	98
31) Cyclohexane	7.701	56	359238	44.526	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	447661	48.530	ug/l	99
36) 1,1-Dichloropropene	7.835	75	340037	50.513	ug/l	99
37) Ethyl Acetate	6.988	43	123345	46.250	ug/l	97
38) Carbon Tetrachloride	7.823	117	407435	49.915	ug/l	98
39) Methylcyclohexane	9.109	83	441526	50.375	ug/l	99
40) Benzene	8.085	78	1078488	50.589	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	71574m	49.622	ug/l	
42) 1,2-Dichloroethane	8.164	62	271092	49.306	ug/l	99
43) Isopropyl Acetate	8.201	43	252301	47.444	ug/l #	87
44) Trichloroethene	8.866	130	315576	50.575	ug/l	100
45) 1,2-Dichloropropane	9.146	63	238004	50.544	ug/l	98
46) Dibromomethane	9.231	93	150661	50.599	ug/l	99
47) Bromodichloromethane	9.426	83	379102	50.554	ug/l	99
48) Methyl methacrylate	9.225	41	119858	47.976	ug/l	97
49) 1,4-Dioxane	9.231	88	32575	943.598	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	690175	251.195	ug/l	99
52) Toluene	10.176	92	712678	51.487	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	329553	50.541	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	393799	51.171	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	203358	50.789	ug/l	95
56) Ethyl methacrylate	10.438	69	235791	51.052	ug/l	99
57) 1,3-Dichloropropane	10.719	76	320725	50.549	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	535101	258.622	ug/l	99
59) 2-Hexanone	10.762	43	505127	257.254	ug/l	98
60) Dibromochloromethane	10.914	129	289352	51.544	ug/l	100
61) 1,2-Dibromoethane	11.018	107	194175	50.850	ug/l	99
64) Tetrachloroethene	10.652	164	392856	51.532	ug/l	97
65) Chlorobenzene	11.444	112	798512	49.725	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	287870	50.305	ug/l	99
67) Ethyl Benzene	11.517	91	1329048	51.130	ug/l	99
68) m/p-Xylenes	11.633	106	1082756	103.852	ug/l	99
69) o-Xylene	11.956	106	505635	51.705	ug/l	99
70) Styrene	11.969	104	839551	52.206	ug/l	99
71) Bromoform	12.133	173	177159	49.909	ug/l #	99
73) Isopropylbenzene	12.255	105	1311169	52.216	ug/l	99
74) N-amyl acetate	12.072	43	215637	47.810	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	200423	48.800	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	160661m	47.791	ug/l	
77) Bromobenzene	12.536	156	338166	50.656	ug/l	99
78) n-propylbenzene	12.597	91	1531033	52.689	ug/l	100
79) 2-Chlorotoluene	12.682	91	865350	50.854	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1073564	52.908	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	68692	50.107	ug/l	99
82) 4-Chlorotoluene	12.779	91	899220	51.311	ug/l	100
83) tert-Butylbenzene	12.999	119	971263	51.842	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1065727	52.627	ug/l	99
85) sec-Butylbenzene	13.176	105	1416476	52.706	ug/l	100
86) p-Isopropyltoluene	13.292	119	1211808	52.959	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	654255	50.329	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	636131	49.547	ug/l	100
89) n-Butylbenzene	13.621	91	1044788	52.402	ug/l	99
90) Hexachloroethane	13.883	117	246776	50.142	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	572455	50.228	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	30575	45.371	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	344061	48.424	ug/l	99
94) Hexachlorobutadiene	15.023	225	218379	49.305	ug/l	98
95) Naphthalene	15.145	128	535084	47.293	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	293934	47.760	ug/l	99

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

