

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023495.D
 Acq On : 20 Oct 2025 09:10
 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 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 21 03:53:17 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	545120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	751162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	672052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	355668	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	205714	45.129	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.260%
35) Dibromofluoromethane	7.634	113	237529	51.463	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.920%
50) Toluene-d8	10.109	98	873624	50.825	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.660%
62) 4-Bromofluorobenzene	12.408	95	284330	50.104	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.200%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	170416	43.432	ug/l	99
3) Chloromethane	2.074	50	224255	41.955	ug/l	99
4) Vinyl Chloride	2.208	62	308272	44.279	ug/l	100
5) Bromomethane	2.598	94	257747	44.117	ug/l	97
6) Chloroethane	2.739	64	222991	46.989	ug/l	99
7) Trichlorofluoromethane	3.062	101	462702	47.866	ug/l	100
8) Diethyl Ether	3.458	74	118659	46.977	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	250918	50.022	ug/l	99
10) Methyl Iodide	4.007	142	309511	55.425	ug/l	100
11) Tert butyl alcohol	4.854	59	80964	238.750	ug/l	100
12) 1,1-Dichloroethene	3.793	96	235624	48.456	ug/l	97
13) Acrolein	3.659	56	42168	88.000	ug/l	100
14) Allyl chloride	4.385	41	270384	45.626	ug/l	97
15) Acrylonitrile	5.061	53	226050	233.847	ug/l	99
16) Acetone	3.866	43	267757	246.734	ug/l	99
17) Carbon Disulfide	4.110	76	651543	46.815	ug/l	100
18) Methyl Acetate	4.391	43	145077	50.963	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	567249	48.537	ug/l	97
20) Methylene Chloride	4.622	84	264941	45.149	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	270037	50.440	ug/l	98
22) Diisopropyl ether	6.025	45	632267	48.233	ug/l	98
23) Vinyl Acetate	5.964	43	1613870	227.456	ug/l	98
24) 1,1-Dichloroethane	5.921	63	425651	49.020	ug/l	99
25) 2-Butanone	6.896	43	297629	224.649	ug/l	99
26) 2,2-Dichloropropane	6.890	77	406197	50.981	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	320133	51.768	ug/l	96
28) Bromochloromethane	7.250	49	136791	42.199	ug/l	95
29) Tetrahydrofuran	7.262	42	165578	220.392	ug/l	96
30) Chloroform	7.427	83	488891	51.246	ug/l	100
31) Cyclohexane	7.701	56	340770	44.939	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	442692	51.062	ug/l	99
36) 1,1-Dichloropropene	7.841	75	327309	53.565	ug/l	100
37) Ethyl Acetate	6.988	43	117377	48.487	ug/l	98
38) Carbon Tetrachloride	7.823	117	406294	54.836	ug/l	98
39) Methylcyclohexane	9.109	83	415455	52.219	ug/l	100
40) Benzene	8.085	78	1031919	53.325	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	64538	49.293	ug/l	95
42) 1,2-Dichloroethane	8.158	62	256130	51.321	ug/l	98
43) Isopropyl Acetate	8.201	43	227762	47.184	ug/l	97
44) Trichloroethene	8.866	130	305416	53.923	ug/l	99
45) 1,2-Dichloropropane	9.146	63	229534	53.701	ug/l	100
46) Dibromomethane	9.231	93	144395	53.425	ug/l	97
47) Bromodichloromethane	9.426	83	371694	54.605	ug/l	99
48) Methyl methacrylate	9.225	41	108810	47.982	ug/l	93
49) 1,4-Dioxane	9.231	88	31612	1008.798	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	624720	250.488	ug/l	99
52) Toluene	10.170	92	697136	55.484	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	311462	52.623	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	373914	53.527	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	198839	54.709	ug/l	96
56) Ethyl methacrylate	10.438	69	222978	53.185	ug/l	97
57) 1,3-Dichloropropane	10.719	76	307360	53.368	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	478017	254.520	ug/l	99
59) 2-Hexanone	10.762	43	450192	252.586	ug/l	98
60) Dibromochloromethane	10.914	129	285363	56.001	ug/l	99
61) 1,2-Dibromoethane	11.018	107	185560	53.534	ug/l	99
64) Tetrachloroethene	10.652	164	376068	54.195	ug/l	99
65) Chlorobenzene	11.444	112	778936	53.290	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	285040	54.723	ug/l	99
67) Ethyl Benzene	11.517	91	1283945	54.266	ug/l	100
68) m/p-Xylenes	11.627	106	1049774	110.619	ug/l	99
69) o-Xylene	11.956	106	491144	55.176	ug/l	98
70) Styrene	11.969	104	827476	56.530	ug/l	99
71) Bromoform	12.133	173	175761	54.399	ug/l #	98
73) Isopropylbenzene	12.255	105	1264553	53.951	ug/l	100
74) N-amyl acetate	12.072	43	192168	45.646	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	196397	51.230	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	152304m	48.536	ug/l	
77) Bromobenzene	12.529	156	327531	52.562	ug/l	99
78) n-propylbenzene	12.597	91	1481587	54.623	ug/l	99
79) 2-Chlorotoluene	12.682	91	840142	52.894	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1041828	55.006	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	64672	50.539	ug/l	98
82) 4-Chlorotoluene	12.779	91	875903	53.545	ug/l	99
83) tert-Butylbenzene	12.999	119	950505	54.352	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1035061	54.758	ug/l	100
85) sec-Butylbenzene	13.176	105	1379527	54.992	ug/l	100
86) p-Isopropyltoluene	13.292	119	1178031	55.154	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	636760	52.476	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	621676	51.874	ug/l	99
89) n-Butylbenzene	13.615	91	1006820	54.099	ug/l	99
90) Hexachloroethane	13.877	117	244771	53.282	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	560913	52.725	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	30192	47.998	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	337509	50.889	ug/l	98
94) Hexachlorobutadiene	15.023	225	218682	52.895	ug/l	99
95) Naphthalene	15.145	128	508120	48.113	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	289016	50.310	ug/l	99

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

