

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023519.D
 Acq On : 20 Oct 2025 19:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 21 04:03:47 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	538529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	761861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	681047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	352503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	187746	41.691	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.380%		
35) Dibromofluoromethane	7.640	113	228543	48.821	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.640%		
50) Toluene-d8	10.109	98	864554	49.591	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.180%		
62) 4-Bromofluorobenzene	12.408	95	278234	48.341	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.680%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	159849	41.238	ug/l	99
3) Chloromethane	2.074	50	210980	39.955	ug/l	99
4) Vinyl Chloride	2.208	62	295864	43.017	ug/l	97
5) Bromomethane	2.598	94	240957	41.747	ug/l	99
6) Chloroethane	2.739	64	210246	44.845	ug/l	100
7) Trichlorofluoromethane	3.062	101	441973	46.281	ug/l	98
8) Diethyl Ether	3.458	74	99357	39.816	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	242903	49.017	ug/l	99
10) Methyl Iodide	4.013	142	292112	52.950	ug/l	99
11) Tert butyl alcohol	4.860	59	44225	132.008	ug/l	97
12) 1,1-Dichloroethene	3.793	96	231218	48.132	ug/l	97
13) Acrolein	3.659	56	30218	63.834	ug/l	100
14) Allyl chloride	4.385	41	252501	43.129	ug/l	96
15) Acrylonitrile	5.055	53	172847	180.998	ug/l	99
16) Acetone	3.866	43	145151	135.391	ug/l	95
17) Carbon Disulfide	4.110	76	620791	45.152	ug/l	100
18) Methyl Acetate	4.385	43	112686	40.069	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	458307	39.695	ug/l	97
20) Methylene Chloride	4.622	84	245008	42.263	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	253922	48.011	ug/l	98
22) Diisopropyl ether	6.025	45	561794	43.382	ug/l	98
23) Vinyl Acetate	5.964	43	1267884	180.880	ug/l	98
24) 1,1-Dichloroethane	5.921	63	404661	47.173	ug/l	99
25) 2-Butanone	6.896	43	191988	146.685	ug/l	99
26) 2,2-Dichloropropane	6.890	77	356335	45.271	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	293412	48.028	ug/l	96
28) Bromochloromethane	7.250	49	125241	39.109	ug/l	94
29) Tetrahydrofuran	7.262	42	117756	158.657	ug/l	95
30) Chloroform	7.427	83	451818	47.939	ug/l	100
31) Cyclohexane	7.707	56	327797	43.757	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	424963	49.617	ug/l	99
36) 1,1-Dichloropropene	7.841	75	311808	50.312	ug/l	99
37) Ethyl Acetate	6.982	43	85072	34.648	ug/l	99
38) Carbon Tetrachloride	7.823	117	386518	51.434	ug/l	97
39) Methylcyclohexane	9.109	83	410593	50.883	ug/l	99
40) Benzene	8.085	78	978074	49.833	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	56213m	42.332	ug/l	
42) 1,2-Dichloroethane	8.164	62	222684	43.993	ug/l	98
43) Isopropyl Acetate	8.201	43	174821	35.708	ug/l	98
44) Trichloroethene	8.872	130	291160	50.684	ug/l	97
45) 1,2-Dichloropropane	9.140	63	212814	49.090	ug/l	99
46) Dibromomethane	9.237	93	123099	44.906	ug/l	98
47) Bromodichloromethane	9.426	83	334685	48.477	ug/l	98
48) Methyl methacrylate	9.225	41	86581	37.643	ug/l	92
49) 1,4-Dioxane	9.225	88	23273	732.255	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	451758	178.593	ug/l	98
52) Toluene	10.170	92	650663	51.058	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	265291	44.193	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	328473	46.362	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	166949	45.289	ug/l	97
56) Ethyl methacrylate	10.438	69	177834	41.822	ug/l	96
57) 1,3-Dichloropropane	10.719	76	262169	44.882	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	426994	224.160	ug/l	98
59) 2-Hexanone	10.762	43	294191	162.741	ug/l	98
60) Dibromochloromethane	10.914	129	243219	47.061	ug/l	99
61) 1,2-Dibromoethane	11.018	107	158595	45.112	ug/l	97
64) Tetrachloroethene	10.646	164	370576	52.698	ug/l	97
65) Chlorobenzene	11.444	112	716795	48.391	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	258610	48.993	ug/l	99
67) Ethyl Benzene	11.518	91	1207735	50.371	ug/l	99
68) m/p-Xylenes	11.627	106	982921	102.206	ug/l	99
69) o-Xylene	11.956	106	454971	50.437	ug/l	99
70) Styrene	11.969	104	756453	50.995	ug/l	99
71) Bromoform	12.133	173	142534	43.532	ug/l #	98
73) Isopropylbenzene	12.255	105	1199809	51.648	ug/l	100
74) N-amyl acetate	12.072	43	146350	35.075	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	148432	39.066	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	123297m	39.645	ug/l	
77) Bromobenzene	12.536	156	295360	47.825	ug/l	97
78) n-propylbenzene	12.597	91	1386240	51.567	ug/l	100
79) 2-Chlorotoluene	12.682	91	780834	49.601	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	961815	51.237	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	48892	38.550	ug/l	98
82) 4-Chlorotoluene	12.779	91	803961	49.589	ug/l	100
83) tert-Butylbenzene	12.999	119	897624	51.789	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	949420	50.678	ug/l	100
85) sec-Butylbenzene	13.176	105	1277669	51.389	ug/l	99
86) p-Isopropyltoluene	13.292	119	1084870	51.249	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	574123	47.739	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	550949	46.385	ug/l	99
89) n-Butylbenzene	13.615	91	921538	49.961	ug/l	100
90) Hexachloroethane	13.877	117	228363	50.156	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	487474	46.234	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	23265	37.318	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	288261	43.854	ug/l	98
94) Hexachlorobutadiene	15.023	225	185051	45.162	ug/l	99
95) Naphthalene	15.145	128	420290	40.153	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	241365	42.393	ug/l	99

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

