

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090925\
 Data File : VY023312.D
 Acq On : 09 Sep 2025 08:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 10 01:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	563887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	840425	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.420	117	736650	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	380248	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	229835	46.385	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.760%
35) Dibromofluoromethane	7.640	113	249297	48.528	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.060%
50) Toluene-d8	10.109	98	958789	49.426	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.860%
62) 4-Bromofluorobenzene	12.408	95	309568	50.710	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.420%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	209218	46.247	ug/l	99
3) Chloromethane	2.074	50	302118	46.670	ug/l	100
4) Vinyl Chloride	2.208	62	382736	46.931	ug/l	98
5) Bromomethane	2.605	94	302428	45.417	ug/l	100
6) Chloroethane	2.739	64	257059	46.578	ug/l	100
7) Trichlorofluoromethane	3.062	101	478848	46.521	ug/l	98
8) Diethyl Ether	3.458	74	134830	49.505	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.824	101	263374	47.579	ug/l	96
10) Methyl Iodide	4.013	142	325501	50.408	ug/l	100
11) Tert butyl alcohol	4.866	59	69895	244.128	ug/l	98
12) 1,1-Dichloroethene	3.793	96	260603	48.938	ug/l	89
13) Acrolein	3.659	56	104813	216.545	ug/l	100
14) Allyl chloride	4.391	41	338264	50.285	ug/l	97
15) Acrylonitrile	5.061	53	256140	238.900	ug/l	99
16) Acetone	3.873	43	319267	282.874	ug/l	99
17) Carbon Disulfide	4.110	76	808347	47.947	ug/l	100
18) Methyl Acetate	4.391	43	131424	47.469	ug/l	95
19) Methyl tert-butyl Ether	5.122	73	628674	50.210	ug/l	100
20) Methylene Chloride	4.622	84	284494	47.114	ug/l	93
21) trans-1,2-Dichloroethene	5.122	96	292692	49.193	ug/l	92
22) Diisopropyl ether	6.025	45	749498	50.029	ug/l	94
23) Vinyl Acetate	5.964	43	2089667	252.312	ug/l	97
24) 1,1-Dichloroethane	5.921	63	474594	48.435	ug/l	98
25) 2-Butanone	6.896	43	366111	263.556	ug/l	95
26) 2,2-Dichloropropane	6.890	77	434513	50.222	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	335632	49.814	ug/l	95
28) Bromochloromethane	7.250	49	177834	46.123	ug/l	88
29) Tetrahydrofuran	7.262	42	202486	245.751	ug/l	96
30) Chloroform	7.421	83	508871	48.333	ug/l	97
31) Cyclohexane	7.707	56	413049	47.636	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	455431	48.417	ug/l	99
36) 1,1-Dichloropropene	7.841	75	361432	49.397	ug/l	98
37) Ethyl Acetate	6.988	43	142822	49.069	ug/l	98
38) Carbon Tetrachloride	7.823	117	413501	49.114	ug/l	98
39) Methylcyclohexane	9.109	83	489150	52.257	ug/l	95
40) Benzene	8.085	78	1131106	49.734	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	76059	50.461	ug/l	89
42) 1,2-Dichloroethane	8.165	62	280731	48.483	ug/l	99
43) Isopropyl Acetate	8.201	43	280536	49.555	ug/l #	83
44) Trichloroethene	8.872	130	310894	49.078	ug/l	98
45) 1,2-Dichloropropane	9.146	63	252970	49.251	ug/l	99
46) Dibromomethane	9.231	93	152169	48.648	ug/l	96
47) Bromodichloromethane	9.426	83	385843	49.032	ug/l	96
48) Methyl methacrylate	9.225	41	136245	51.634	ug/l	95
49) 1,4-Dioxane	9.231	88	31281	985.160	ug/l	90
51) 4-Methyl-2-Pentanone	10.000	43	739345	255.278	ug/l	97
52) Toluene	10.170	92	743960	51.547	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	347111	51.233	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	411929	50.883	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	206001	49.509	ug/l	98
56) Ethyl methacrylate	10.438	69	253944	52.679	ug/l	96
57) 1,3-Dichloropropane	10.719	76	334933	49.584	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	557857	265.516	ug/l	96
59) 2-Hexanone	10.762	43	542658	271.035	ug/l	99
60) Dibromochloromethane	10.914	129	281599	49.880	ug/l	99
61) 1,2-Dibromoethane	11.018	107	192761	49.439	ug/l	100
64) Tetrachloroethene	10.652	164	352257	47.979	ug/l	97
65) Chlorobenzene	11.444	112	813325	50.398	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	279626	49.365	ug/l	98
67) Ethyl Benzene	11.518	91	1381795	52.410	ug/l	98
68) m/p-Xylenes	11.627	106	1111392	105.274	ug/l	96
69) o-Xylene	11.957	106	519828	53.190	ug/l	97
70) Styrene	11.969	104	861435	53.185	ug/l	98
71) Bromoform	12.133	173	168868	50.061	ug/l #	98
73) Isopropylbenzene	12.255	105	1352704	52.812	ug/l	99
74) N-amyl acetate	12.072	43	250405	51.721	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	214109	49.808	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	195698m	50.821	ug/l	
77) Bromobenzene	12.536	156	327793	50.092	ug/l	93
78) n-propylbenzene	12.597	91	1591756	52.727	ug/l	98
79) 2-Chlorotoluene	12.682	91	894134	51.423	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	1095302	52.578	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	70448	49.891	ug/l	98
82) 4-Chlorotoluene	12.780	91	929142	51.069	ug/l	98
83) tert-Butylbenzene	12.999	119	992851	52.623	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	1102645	53.504	ug/l	99
85) sec-Butylbenzene	13.176	105	1454238	52.974	ug/l	99
86) p-Isopropyltoluene	13.292	119	1236729	53.333	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	655102	50.591	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	635462	49.546	ug/l	98
89) n-Butylbenzene	13.615	91	1102735	53.622	ug/l	99
90) Hexachloroethane	13.883	117	248369	49.405	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	571205	50.593	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31904	47.300	ug/l	88
93) 1,2,4-Trichlorobenzene	14.919	180	343433	52.149	ug/l	99
94) Hexachlorobutadiene	15.023	225	207489	50.957	ug/l	100
95) Naphthalene	15.145	128	565006	53.378	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	292910	51.213	ug/l	99

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

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