

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022929.D
 Acq On : 03 Jul 2025 09:26
 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: Jul 04 03:14:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	402903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	653588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	556811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	273118	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	221711	49.304	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.600%
35) Dibromofluoromethane	7.634	113	207893	52.303	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.600%
50) Toluene-d8	10.109	98	822398	52.141	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.280%
62) 4-Bromofluorobenzene	12.402	95	256743	50.636	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.280%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	159301	46.238	ug/l	99
3) Chloromethane	2.068	50	343620	52.232	ug/l	100
4) Vinyl Chloride	2.202	62	403476	49.090	ug/l	99
5) Bromomethane	2.592	94	315366	48.807	ug/l	99
6) Chloroethane	2.733	64	283645	51.340	ug/l	95
7) Trichlorofluoromethane	3.050	101	447854	49.210	ug/l	97
8) Diethyl Ether	3.452	74	109892	48.889	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	209821	50.449	ug/l	98
10) Methyl Iodide	4.007	142	264145	58.333	ug/l	100
11) Tert butyl alcohol	4.891	59	62549	209.190	ug/l #	88
12) 1,1-Dichloroethene	3.787	96	201123	49.317	ug/l	98
13) Acrolein	3.653	56	45546	112.333	ug/l	100
14) Allyl chloride	4.385	41	329895	52.592	ug/l	93
15) Acrylonitrile	5.061	53	236140	251.792	ug/l	99
16) Acetone	3.879	43	244955	288.206	ug/l	96
17) Carbon Disulfide	4.104	76	644897	48.950	ug/l	100
18) Methyl Acetate	4.385	43	123302	43.806	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	543984	48.988	ug/l	100
20) Methylene Chloride	4.616	84	248906	46.373	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	230748	49.507	ug/l	95
22) Diisopropyl ether	6.019	45	737022	52.907	ug/l	96
23) Vinyl Acetate	5.958	43	2032484	264.179	ug/l	99
24) 1,1-Dichloroethane	5.915	63	437401	51.983	ug/l	99
25) 2-Butanone	6.896	43	318896	257.796	ug/l	98
26) 2,2-Dichloropropane	6.884	77	380952	54.010	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	271426	50.116	ug/l	98
28) Bromochloromethane	7.244	49	191848	54.233	ug/l	99
29) Tetrahydrofuran	7.262	42	192259	246.138	ug/l	99
30) Chloroform	7.421	83	437061	50.431	ug/l	93
31) Cyclohexane	7.701	56	388020	50.237	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	382460	51.068	ug/l	99
36) 1,1-Dichloropropene	7.835	75	319955	53.106	ug/l	100
37) Ethyl Acetate	6.988	43	137965	53.067	ug/l	98
38) Carbon Tetrachloride	7.817	117	334137	52.562	ug/l	97
39) Methylcyclohexane	9.110	83	417671	53.570	ug/l	99
40) Benzene	8.079	78	983034	53.069	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	79058	49.395	ug/l	97
42) 1,2-Dichloroethane	8.158	62	266580	52.518	ug/l	97
43) Isopropyl Acetate	8.195	43	278215	51.489	ug/l	99
44) Trichloroethene	8.866	130	242347	52.109	ug/l	95
45) 1,2-Dichloropropane	9.140	63	231313	53.355	ug/l	95
46) Dibromomethane	9.231	93	124676	50.659	ug/l	98
47) Bromodichloromethane	9.420	83	331843	52.290	ug/l	96
48) Methyl methacrylate	9.219	41	132085	50.849	ug/l	94
49) 1,4-Dioxane	9.238	88	26705	918.445	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	730249	265.945	ug/l	97
52) Toluene	10.170	92	619081	52.975	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	300582	52.642	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	348697	52.668	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	163959	51.449	ug/l	98
56) Ethyl methacrylate	10.439	69	220750	51.487	ug/l	96
57) 1,3-Dichloropropane	10.719	76	288129	51.822	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	564852	250.621	ug/l	100
59) 2-Hexanone	10.762	43	503372	269.637	ug/l	99
60) Dibromochloromethane	10.908	129	208619	50.681	ug/l	100
61) 1,2-Dibromoethane	11.012	107	150877	50.594	ug/l	96
64) Tetrachloroethene	10.646	164	287771	54.707	ug/l	98
65) Chlorobenzene	11.444	112	651961	53.287	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.512	131	218147	52.642	ug/l	99
67) Ethyl Benzene	11.518	91	1185364	55.142	ug/l	99
68) m/p-Xylenes	11.627	106	904993	108.907	ug/l	97
69) o-Xylene	11.957	106	419143	53.531	ug/l	99
70) Styrene	11.969	104	711124	54.220	ug/l	99
71) Bromoform	12.133	173	115339	49.986	ug/l #	99
73) Isopropylbenzene	12.255	105	1111224	55.014	ug/l	100
74) N-amyl acetate	12.072	43	247051	54.490	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	162805	50.011	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	136940m	49.112	ug/l	
77) Bromobenzene	12.530	156	237250	51.820	ug/l	99
78) n-propylbenzene	12.597	91	1352930	55.477	ug/l	99
79) 2-Chlorotoluene	12.682	91	749820	54.420	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	900336	55.216	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	58536	53.038	ug/l	98
82) 4-Chlorotoluene	12.774	91	779678	53.872	ug/l	100
83) tert-Butylbenzene	12.999	119	799316	55.584	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	890409	54.542	ug/l	100
85) sec-Butylbenzene	13.176	105	1195350	55.247	ug/l	99
86) p-Isopropyltoluene	13.292	119	993029	55.152	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	491888	53.495	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	471793	51.654	ug/l	99
89) n-Butylbenzene	13.615	91	940757	55.546	ug/l	100
90) Hexachloroethane	13.877	117	193122	53.852	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	412651	50.925	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	25721	46.591	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	218911	47.848	ug/l	99
94) Hexachlorobutadiene	15.023	225	125810	48.629	ug/l	98
95) Naphthalene	15.145	128	386461	46.711	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	183678	46.460	ug/l	100

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

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