

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022931.D
 Acq On : 03 Jul 2025 10:29
 Operator : SY/MD
 Sample : VY0703SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0703SBS01

Quant Time: Jul 04 03:15:26 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	387913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	648160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	537972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	252496	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	209510	48.391	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.780%
35) Dibromofluoromethane	7.634	113	199592	50.635	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.260%
50) Toluene-d8	10.109	98	799069	51.086	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.180%
62) 4-Bromofluorobenzene	12.402	95	236501	47.034	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.060%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	70580	21.278	ug/l	98
3) Chloromethane	2.068	50	127454	20.122	ug/l	99
4) Vinyl Chloride	2.202	62	159294	20.130	ug/l	98
5) Bromomethane	2.592	94	122010	19.612	ug/l	97
6) Chloroethane	2.733	64	107980	20.300	ug/l	93
7) Trichlorofluoromethane	3.056	101	169518	19.346	ug/l	95
8) Diethyl Ether	3.452	74	45033	20.809	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	87150	21.764	ug/l	98
10) Methyl Iodide	4.001	142	97838	22.441	ug/l	99
11) Tert butyl alcohol	4.854	59	20469	71.102	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	83297	21.214	ug/l	100
13) Acrolein	3.653	56	25473	65.254	ug/l	99
14) Allyl chloride	4.385	41	129036	21.366	ug/l	96
15) Acrylonitrile	5.055	53	84609	93.703	ug/l	99
16) Acetone	3.873	43	111716	136.521	ug/l	100
17) Carbon Disulfide	4.104	76	267737	21.108	ug/l	99
18) Methyl Acetate	4.379	43	43949	16.217	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	195944	18.328	ug/l	98
20) Methylene Chloride	4.610	84	123955	23.986	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	93980	20.943	ug/l	96
22) Diisopropyl ether	6.019	45	283845	21.163	ug/l	98
23) Vinyl Acetate	5.958	43	731439	98.745	ug/l	98
24) 1,1-Dichloroethane	5.915	63	174928	21.593	ug/l	99
25) 2-Butanone	6.890	43	127266	106.858	ug/l	97
26) 2,2-Dichloropropane	6.884	77	149021	21.944	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	107102	20.539	ug/l	98
28) Bromochloromethane	7.244	49	69235	20.328	ug/l	98
29) Tetrahydrofuran	7.268	42	65265	86.784	ug/l	98
30) Chloroform	7.421	83	175044	20.978	ug/l	97
31) Cyclohexane	7.701	56	157776	21.217	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	153070	21.229	ug/l	99
36) 1,1-Dichloropropene	7.835	75	128212	21.459	ug/l	99
37) Ethyl Acetate	6.988	43	50224	19.480	ug/l	99
38) Carbon Tetrachloride	7.823	117	133029	21.102	ug/l	95
39) Methylcyclohexane	9.109	83	159255	20.597	ug/l	97
40) Benzene	8.079	78	393017	21.395	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	27881	17.566	ug/l	97
42) 1,2-Dichloroethane	8.158	62	103916	20.644	ug/l	98
43) Isopropyl Acetate	8.195	43	95778	17.874	ug/l	99
44) Trichloroethene	8.866	130	97639	21.170	ug/l	98
45) 1,2-Dichloropropane	9.140	63	92009	21.401	ug/l	99
46) Dibromomethane	9.231	93	47317	19.387	ug/l	96
47) Bromodichloromethane	9.420	83	128308	20.387	ug/l	99
48) Methyl methacrylate	9.219	41	47289	18.357	ug/l	95
49) 1,4-Dioxane	9.231	88	9157	317.567	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	241570	88.713	ug/l	98
52) Toluene	10.170	92	238824	20.608	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	108776	19.210	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	133699	20.363	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	61407	19.431	ug/l	96
56) Ethyl methacrylate	10.439	69	71109	16.724	ug/l	94
57) 1,3-Dichloropropane	10.719	76	106682	19.348	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	182772	92.321	ug/l	100
59) 2-Hexanone	10.762	43	180193	97.331	ug/l	100
60) Dibromochloromethane	10.914	129	78126	19.139	ug/l	98
61) 1,2-Dibromoethane	11.018	107	53694	18.156	ug/l	100
64) Tetrachloroethene	10.646	164	113322	22.298	ug/l	98
65) Chlorobenzene	11.438	112	246846	20.882	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	83151	20.768	ug/l	99
67) Ethyl Benzene	11.518	91	444341	21.394	ug/l	99
68) m/p-Xylenes	11.627	106	340082	42.359	ug/l	100
69) o-Xylene	11.950	106	152396	20.145	ug/l	97
70) Styrene	11.969	104	255350	20.151	ug/l	100
71) Bromoform	12.133	173	39349	17.650	ug/l #	93
73) Isopropylbenzene	12.255	105	406452	21.766	ug/l	99
74) N-amyl acetate	12.072	43	76832	18.330	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	56862	18.894	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	47637m	18.480	ug/l	
77) Bromobenzene	12.530	156	85396	20.175	ug/l	97
78) n-propylbenzene	12.591	91	501335	22.236	ug/l	99
79) 2-Chlorotoluene	12.676	91	276414	21.700	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	322847	21.417	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	19815	19.420	ug/l	99
82) 4-Chlorotoluene	12.773	91	285435	21.333	ug/l	99
83) tert-Butylbenzene	12.993	119	285631	21.485	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	319638	21.179	ug/l	99
85) sec-Butylbenzene	13.176	105	432243	21.609	ug/l	99
86) p-Isopropyltoluene	13.292	119	352748	21.191	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	175614	20.659	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	173497	20.546	ug/l	99
89) n-Butylbenzene	13.615	91	332530	21.237	ug/l	100
90) Hexachloroethane	13.877	117	71505	21.568	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	146920	19.612	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9096	17.822	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	74824	17.690	ug/l	98
94) Hexachlorobutadiene	15.023	225	47153	19.715	ug/l	99
95) Naphthalene	15.145	128	116220	15.195	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	61871	16.928	ug/l	99

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

