

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060425\
 Data File : VD080410.D
 Acq On : 04 Jun 2025 15:13
 Operator : RP/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD060425

Quant Time: Jun 05 03:26:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060425S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 05 02:27:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	196238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	329922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.576	117	293956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.511	152	147809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	111152	46.682	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.360%
35) Dibromofluoromethane	7.806	113	102562	49.743	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.480%
50) Toluene-d8	10.264	98	414163	51.413	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.820%
62) 4-Bromofluorobenzene	12.570	95	135065	53.391	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	101306	47.431	ug/l	98
3) Chloromethane	2.153	50	174724	46.348	ug/l	100
4) Vinyl Chloride	2.288	62	197270	46.635	ug/l	97
5) Bromomethane	2.694	94	110733	41.677	ug/l	98
6) Chloroethane	2.841	64	126560	46.233	ug/l	100
7) Trichlorofluoromethane	3.176	101	182487	47.753	ug/l	95
8) Diethyl Ether	3.594	74	62948	49.818	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.965	101	108753	47.854	ug/l	98
10) Methyl Iodide	4.170	142	119113	51.486	ug/l	97
11) Tert butyl alcohol	5.053	59	37958	254.999	ug/l #	95
12) 1,1-Dichloroethene	3.941	96	115721	49.736	ug/l	95
13) Acrolein	3.800	56	49167	216.555	ug/l	99
14) Allyl chloride	4.559	41	195159	49.726	ug/l	99
15) Acrylonitrile	5.253	53	145751	252.223	ug/l	96
16) Acetone	4.018	43	122447	250.376	ug/l	97
17) Carbon Disulfide	4.270	76	388344	47.951	ug/l	99
18) Methyl Acetate	4.565	43	78505	49.079	ug/l	99
19) Methyl tert-butyl Ether	5.317	73	282525	54.290	ug/l	100
20) Methylene Chloride	4.806	84	139590	49.163	ug/l	95
21) trans-1,2-Dichloroethene	5.306	96	128538	51.173	ug/l	94
22) Diisopropyl ether	6.217	45	408212	52.606	ug/l	95
23) Vinyl Acetate	6.159	43	1187051	264.416	ug/l	100
24) 1,1-Dichloroethane	6.112	63	230840	49.189	ug/l	99
25) 2-Butanone	7.082	43	180765	253.839	ug/l	98
26) 2,2-Dichloropropane	7.076	77	183442	49.089	ug/l	99
27) cis-1,2-Dichloroethene	7.076	96	143504	50.727	ug/l	99
28) Bromochloromethane	7.423	49	97235	46.826	ug/l #	99
29) Tetrahydrofuran	7.447	42	122974	268.414	ug/l	99
30) Chloroform	7.594	83	224025	49.179	ug/l	96
31) Cyclohexane	7.876	56	202235	47.633	ug/l	96
32) 1,1,1-Trichloroethane	7.794	97	188543	49.493	ug/l	99
36) 1,1-Dichloropropene	8.011	75	163537	50.607	ug/l	99
37) Ethyl Acetate	7.164	43	82216	51.923	ug/l	99
38) Carbon Tetrachloride	7.988	117	160990	49.287	ug/l	94
39) Methylcyclohexane	9.276	83	199163	52.031	ug/l	96
40) Benzene	8.253	78	510930	50.779	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	41757	43.684	ug/l #	81
42) 1,2-Dichloroethane	8.323	62	135414	49.434	ug/l	99
43) Isopropyl Acetate	8.358	43	156669	52.040	ug/l	99
44) Trichloroethene	9.029	130	118801	50.975	ug/l	99
45) 1,2-Dichloropropane	9.305	63	126331	50.986	ug/l	96
46) Dibromomethane	9.394	93	67332	51.042	ug/l	97
47) Bromodichloromethane	9.582	83	171038	51.052	ug/l	99
48) Methyl methacrylate	9.376	41	78210	52.968	ug/l	99
49) 1,4-Dioxane	9.382	88	17362	1179.866	ug/l	93
51) 4-Methyl-2-Pentanone	10.158	43	420147	273.170	ug/l	98
52) Toluene	10.335	92	314283	53.702	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	162285	54.288	ug/l	96
54) cis-1,3-Dichloropropene	10.017	75	192257	53.139	ug/l	98
55) 1,1,2-Trichloroethane	10.729	97	90986	52.972	ug/l	99
56) Ethyl methacrylate	10.594	69	124955	57.232	ug/l	99
57) 1,3-Dichloropropane	10.876	76	156381	53.079	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	252119	275.551	ug/l	99
59) 2-Hexanone	10.917	43	288644	279.382	ug/l	99
60) Dibromochloromethane	11.070	129	111235	52.824	ug/l	98
61) 1,2-Dibromoethane	11.176	107	85530	55.823	ug/l	96
64) Tetrachloroethene	10.805	164	98442	49.877	ug/l	99
65) Chlorobenzene	11.605	112	330112	50.771	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.676	131	109348	50.092	ug/l	97
67) Ethyl Benzene	11.682	91	582457	52.057	ug/l	98
68) m/p-Xylenes	11.788	106	451701	106.383	ug/l	100
69) o-Xylene	12.117	106	212129	53.842	ug/l	95
70) Styrene	12.129	104	370548	53.287	ug/l	100
71) Bromoform	12.294	173	63873	51.759	ug/l #	99
73) Isopropylbenzene	12.417	105	539829	53.804	ug/l	99
74) N-amyl acetate	12.229	43	153341	54.739	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.670	83	105719	50.942	ug/l	99
76) 1,2,3-Trichloropropane	12.723	75	90361m	53.910	ug/l	
77) Bromobenzene	12.699	156	130973	52.644	ug/l	100
78) n-propylbenzene	12.758	91	678514	52.075	ug/l	100
79) 2-Chlorotoluene	12.846	91	383161	51.436	ug/l	98
80) 1,3,5-Trimethylbenzene	12.899	105	455724	53.060	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	40068	52.546	ug/l	99
82) 4-Chlorotoluene	12.941	91	415823	52.434	ug/l	99
83) tert-Butylbenzene	13.164	119	382942	53.565	ug/l	98
84) 1,2,4-Trimethylbenzene	13.205	105	462654	53.369	ug/l	99
85) sec-Butylbenzene	13.341	105	584663	53.312	ug/l	99
86) p-Isopropyltoluene	13.458	119	495331	53.264	ug/l	99
87) 1,3-Dichlorobenzene	13.452	146	259772	51.274	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	253991	49.217	ug/l	97
89) n-Butylbenzene	13.782	91	452912	49.357	ug/l	99
90) Hexachloroethane	14.046	117	90736	46.388	ug/l	99
91) 1,2-Dichlorobenzene	13.829	146	223420	50.036	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.440	75	15417	45.869	ug/l	96
93) 1,2,4-Trichlorobenzene	15.093	180	132872	48.675	ug/l	98
94) Hexachlorobutadiene	15.199	225	66719	49.057	ug/l	97
95) Naphthalene	15.329	128	265049	50.448	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	125296	51.263	ug/l	99

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

