

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060425\
 Data File : VD080408.D
 Acq On : 04 Jun 2025 10:46
 Operator : RP/MD
 Sample : VSTDICC150
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Jun 05 02:00:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060425S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 05 01:47:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	196456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	326584	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	297758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	152527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	330786	138.769	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 277.540%#	
35) Dibromofluoromethane	7.805	113	308421	151.113	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 302.220%#	
50) Toluene-d8	10.270	98	1274612	159.843	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 319.680%#	
62) 4-Bromofluorobenzene	12.570	95	419581	167.556	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 335.120%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	293578	137.301	ug/l	100
3) Chloromethane	2.153	50	481980	127.710	ug/l	99
4) Vinyl Chloride	2.288	62	566405	133.750	ug/l	97
5) Bromomethane	2.682	94	341594	128.423	ug/l	96
6) Chloroethane	2.835	64	359766	131.278	ug/l	99
7) Trichlorofluoromethane	3.176	101	526677	137.669	ug/l	100
8) Diethyl Ether	3.594	74	183981	145.443	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.964	101	311448	136.893	ug/l	99
10) Methyl Iodide	4.164	142	396366	171.136	ug/l	96
11) Tert butyl alcohol	5.059	59	107855	723.756	ug/l #	94
12) 1,1-Dichloroethene	3.941	96	338568	145.354	ug/l	98
13) Acrolein	3.794	56	165316	727.322	ug/l	96
14) Allyl chloride	4.559	41	600731	152.895	ug/l	99
15) Acrylonitrile	5.247	53	433617	749.544	ug/l	97
16) Acetone	4.017	43	314182	645.284	ug/l	95
17) Carbon Disulfide	4.270	76	1142823	140.955	ug/l	99
18) Methyl Acetate	4.559	43	244434	152.642	ug/l	99
19) Methyl tert-butyl Ether	5.317	73	836062	160.479	ug/l	99
20) Methylene Chloride	4.800	84	382868	134.695	ug/l	95
21) trans-1,2-Dichloroethene	5.306	96	375486	149.320	ug/l	99
22) Diisopropyl ether	6.217	45	1202519	154.796	ug/l	95
23) Vinyl Acetate	6.153	43	3551366	790.190	ug/l	100
24) 1,1-Dichloroethane	6.111	63	667796	142.142	ug/l	98
25) 2-Butanone	7.076	43	535531	751.185	ug/l	96
26) 2,2-Dichloropropane	7.076	77	542357	144.973	ug/l	99
27) cis-1,2-Dichloroethene	7.082	96	435643	153.823	ug/l	100
28) Bromochloromethane	7.423	49	289329	139.180	ug/l #	99
29) Tetrahydrofuran	7.441	42	356281	776.788	ug/l	100
30) Chloroform	7.594	83	661599	145.077	ug/l	96
31) Cyclohexane	7.876	56	611949	143.974	ug/l	97
32) 1,1,1-Trichloroethane	7.794	97	552416	144.851	ug/l	99
36) 1,1-Dichloropropene	8.005	75	484397	151.430	ug/l	100
37) Ethyl Acetate	7.164	43	241027	153.774	ug/l	98
38) Carbon Tetrachloride	7.988	117	473237	146.361	ug/l	98
39) Methylcyclohexane	9.270	83	619047	163.377	ug/l	97
40) Benzene	8.252	78	1529008	153.513	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	146800	152.057	ug/l	92
42) 1,2-Dichloroethane	8.323	62	393138	144.985	ug/l	100
43) Isopropyl Acetate	8.358	43	469327	157.488	ug/l	99
44) Trichloroethene	9.029	130	352264	152.695	ug/l	100
45) 1,2-Dichloropropane	9.305	63	372383	151.825	ug/l	98
46) Dibromomethane	9.394	93	199425	152.723	ug/l	99
47) Bromodichloromethane	9.582	83	498671	150.366	ug/l	97
48) Methyl methacrylate	9.376	41	242365	165.821	ug/l	98
49) 1,4-Dioxane	9.382	88	47180	3238.972	ug/l	92
51) 4-Methyl-2-Pentanone	10.158	43	1254350	823.885	ug/l	97
52) Toluene	10.335	92	958350	165.427	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	499073	168.658	ug/l	98
54) cis-1,3-Dichloropropene	10.017	75	582473	162.638	ug/l	96
55) 1,1,2-Trichloroethane	10.729	97	267314	157.222	ug/l	96
56) Ethyl methacrylate	10.594	69	379367	175.534	ug/l	99
57) 1,3-Dichloropropane	10.876	76	468090	160.503	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.870	63	784293	865.947	ug/l	100
59) 2-Hexanone	10.917	43	858408	839.356	ug/l	98
60) Dibromochloromethane	11.070	129	335729	161.061	ug/l	98
61) 1,2-Dibromoethane	11.176	107	248652	163.946	ug/l	99
64) Tetrachloroethene	10.805	164	296815	148.465	ug/l	98
65) Chlorobenzene	11.605	112	1012167	153.683	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.676	131	339499	153.538	ug/l	97
67) Ethyl Benzene	11.682	91	1868126	164.830	ug/l	99
68) m/p-Xylenes	11.793	106	1420882	330.367	ug/l	100
69) o-Xylene	12.117	106	674277	168.959	ug/l	99
70) Styrene	12.129	104	1179898	167.511	ug/l	100
71) Bromoform	12.293	173	189345	151.475	ug/l #	98
73) Isopropylbenzene	12.417	105	1708884	165.053	ug/l	99
74) N-amyl acetate	12.229	43	456729	157.998	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	311988	145.684	ug/l	99
76) 1,2,3-Trichloropropane	12.717	75	234548m	133.152	ug/l	
77) Bromobenzene	12.699	156	395910	154.213	ug/l	98
78) n-propylbenzene	12.758	91	2113669	157.203	ug/l	100
79) 2-Chlorotoluene	12.846	91	1200912	156.225	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	1431725	161.538	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.464	75	122442	155.607	ug/l	98
82) 4-Chlorotoluene	12.940	91	1258093	153.735	ug/l	99
83) tert-Butylbenzene	13.164	119	1233775	167.238	ug/l	97
84) 1,2,4-Trimethylbenzene	13.205	105	1492083	166.793	ug/l	100
85) sec-Butylbenzene	13.340	105	1840375	162.623	ug/l	100
86) p-Isopropyltoluene	13.458	119	1591157	165.809	ug/l	99
87) 1,3-Dichlorobenzene	13.452	146	817829	156.431	ug/l	100
88) 1,4-Dichlorobenzene	13.535	146	790283	148.400	ug/l	99
89) n-Butylbenzene	13.782	91	1523736	160.917	ug/l	99
90) Hexachloroethane	14.046	117	296340	146.815	ug/l	99
91) 1,2-Dichlorobenzene	13.829	146	702195	152.397	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.440	75	50149	144.589	ug/l	93
93) 1,2,4-Trichlorobenzene	15.093	180	469433	166.648	ug/l	100
94) Hexachlorobutadiene	15.199	225	225880	160.948	ug/l	99
95) Naphthalene	15.329	128	954261	176.012	ug/l	98
96) 1,2,3-Trichlorobenzene	15.517	180	422343	167.451	ug/l	99

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

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