

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060425\
 Data File : VD080403.D
 Acq On : 04 Jun 2025 08:37
 Operator : RP/MD
 Sample : VSTDICC005
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Quant Time: Jun 05 01:56:39 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	157659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	270679	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	221421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	112061	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	10821	5.657	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	11.320%#
35) Dibromofluoromethane	7.806	113	8309	4.912	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.820%#
50) Toluene-d8	10.270	98	30609	4.631	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	9.260%#
62) 4-Bromofluorobenzene	12.570	95	9514	4.584	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	9.160%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	10534	6.139	ug/l	96
3) Chloromethane	2.147	50	18166	5.998	ug/l	94
4) Vinyl Chloride	2.288	62	19819	5.832	ug/l	94
5) Bromomethane	2.700	94	13528	6.337	ug/l	95
6) Chloroethane	2.841	64	12736	5.791	ug/l	98
7) Trichlorofluoromethane	3.176	101	17373	5.659	ug/l	99
8) Diethyl Ether	3.600	74	5889	5.801	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.965	101	11075	6.066	ug/l	96
10) Methyl Iodide	4.165	142	8153	4.386	ug/l	95
11) Tert butyl alcohol	5.064	59	3567	29.826	ug/l #	77
12) 1,1-Dichloroethene	3.941	96	10781	5.767	ug/l	83
13) Acrolein	3.794	56	5184	28.420	ug/l	93
14) Allyl chloride	4.565	41	16445	5.215	ug/l	97
15) Acrylonitrile	5.253	53	12174	26.222	ug/l	97
16) Acetone	4.029	43	12431m	31.814	ug/l	
17) Carbon Disulfide	4.270	76	36516	5.612	ug/l #	93
18) Methyl Acetate	4.559	43	6766	5.265	ug/l	100
19) Methyl tert-butyl Ether	5.317	73	20608	4.929	ug/l	95
20) Methylene Chloride	4.806	84	13576	5.951	ug/l #	90
21) trans-1,2-Dichloroethene	5.312	96	10430	5.168	ug/l #	92
22) Diisopropyl ether	6.217	45	29146	4.675	ug/l	91
23) Vinyl Acetate	6.153	43	89236	24.741	ug/l	98
24) 1,1-Dichloroethane	6.112	63	20887	5.540	ug/l	98
25) 2-Butanone	7.088	43	15787	27.594	ug/l #	83
26) 2,2-Dichloropropane	7.070	77	16262	5.417	ug/l	100
27) cis-1,2-Dichloroethene	7.082	96	11440	5.033	ug/l	97
28) Bromochloromethane	7.429	49	9299	5.574	ug/l #	93
29) Tetrahydrofuran	7.447	42	9287	25.231	ug/l	100
30) Chloroform	7.600	83	19426	5.308	ug/l	95
31) Cyclohexane	7.882	56	20447	5.994	ug/l #	90
32) 1,1,1-Trichloroethane	7.788	97	16913	5.526	ug/l	99
36) 1,1-Dichloropropene	8.011	75	14363	5.417	ug/l	99
37) Ethyl Acetate	7.170	43	7155m	5.508	ug/l	
38) Carbon Tetrachloride	7.994	117	14114	5.267	ug/l	92
39) Methylcyclohexane	9.270	83	16430	5.232	ug/l #	92
40) Benzene	8.247	78	41755	5.058	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	4736m	5.919	ug/l	
42) 1,2-Dichloroethane	8.323	62	12535	5.578	ug/l	91
43) Isopropyl Acetate	8.364	43	12799	5.182	ug/l #	91
44) Trichloroethene	9.023	130	9897	5.176	ug/l	91
45) 1,2-Dichloropropane	9.300	63	11069	5.445	ug/l	89
46) Dibromomethane	9.400	93	6053	5.593	ug/l	95
47) Bromodichloromethane	9.588	83	14616	5.317	ug/l	98
48) Methyl methacrylate	9.382	41	5609	4.630	ug/l #	84
49) 1,4-Dioxane	9.382	88	1197	99.148	ug/l	90
51) 4-Methyl-2-Pentanone	10.158	43	29488	23.369	ug/l	99
52) Toluene	10.335	92	22278	4.640	ug/l	95
53) t-1,3-Dichloropropene	10.552	75	11506	4.691	ug/l #	86
54) cis-1,3-Dichloropropene	10.017	75	14444	4.866	ug/l	98
55) 1,1,2-Trichloroethane	10.729	97	7397	5.249	ug/l #	87
56) Ethyl methacrylate	10.600	69	7974	4.452	ug/l	93
57) 1,3-Dichloropropane	10.876	76	11981	4.957	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.870	63	16167	21.537	ug/l	99
59) 2-Hexanone	10.917	43	20169	23.795	ug/l	100
60) Dibromochloromethane	11.070	129	8919	5.162	ug/l	98
61) 1,2-Dibromoethane	11.176	107	6495	5.167	ug/l	90
64) Tetrachloroethene	10.811	164	8086	5.439	ug/l	94
65) Chlorobenzene	11.605	112	26301	5.370	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.682	131	8965	5.452	ug/l	97
67) Ethyl Benzene	11.682	91	41938	4.976	ug/l	99
68) m/p-Xylenes	11.788	106	30038	9.392	ug/l	98
69) o-Xylene	12.117	106	14174	4.776	ug/l	95
70) Styrene	12.135	104	24195	4.619	ug/l	96
71) Bromoform	12.294	173	5152	5.543	ug/l #	95
73) Isopropylbenzene	12.417	105	34757	4.569	ug/l	100
74) N-amyl acetate	12.229	43	10452	4.921	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.670	83	8077	5.134	ug/l	96
76) 1,2,3-Trichloropropane	12.723	75	7277m	5.623	ug/l	
77) Bromobenzene	12.699	156	9256	4.907	ug/l	99
78) n-propylbenzene	12.758	91	48153	4.875	ug/l	99
79) 2-Chlorotoluene	12.846	91	28199	4.993	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	29917	4.594	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.464	75	2758	4.771	ug/l	88
82) 4-Chlorotoluene	12.946	91	28413	4.726	ug/l	95
83) tert-Butylbenzene	13.164	119	24393	4.500	ug/l	98
84) 1,2,4-Trimethylbenzene	13.205	105	28794	4.381	ug/l	100
85) sec-Butylbenzene	13.341	105	39145	4.708	ug/l	99
86) p-Isopropyltoluene	13.458	119	31944	4.531	ug/l	100
87) 1,3-Dichlorobenzene	13.458	146	18767	4.886	ug/l	97
88) 1,4-Dichlorobenzene	13.535	146	21086	5.389	ug/l	93
89) n-Butylbenzene	13.782	91	35034	5.036	ug/l	96
90) Hexachloroethane	14.046	117	8186	5.520	ug/l	100
91) 1,2-Dichlorobenzene	13.829	146	18609	5.497	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.440	75	1398	5.486	ug/l	86
93) 1,2,4-Trichlorobenzene	15.093	180	10476	5.062	ug/l	99
94) Hexachlorobutadiene	15.199	225	5590	5.421	ug/l	96
95) Naphthalene	15.329	128	18988	4.767	ug/l	97
96) 1,2,3-Trichlorobenzene	15.517	180	9339	5.040	ug/l	95

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

