

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060425\
 Data File : VD080406.D
 Acq On : 04 Jun 2025 09:55
 Operator : RP/MD
 Sample : VSTDICCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Jun 05 01:59:12 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	173831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	291792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	263155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	132729	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	98365	46.636	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.280%
35) Dibromofluoromethane	7.805	113	89418	49.035	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.060%
50) Toluene-d8	10.270	98	372891	52.338	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.680%
62) 4-Bromofluorobenzene	12.570	95	118586	53.003	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.000%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	79040	41.777	ug/l	100
3) Chloromethane	2.153	50	146393	43.838	ug/l	100
4) Vinyl Chloride	2.288	62	169341	45.192	ug/l	100
5) Bromomethane	2.700	94	101342	43.059	ug/l	100
6) Chloroethane	2.841	64	107527	44.343	ug/l	100
7) Trichlorofluoromethane	3.182	101	154260	45.570	ug/l	100
8) Diethyl Ether	3.594	74	48418	43.258	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.970	101	90651	45.030	ug/l	100
10) Methyl Iodide	4.170	142	103706	50.604	ug/l	100
11) Tert butyl alcohol	5.059	59	27220	206.433	ug/l	100
12) 1,1-Dichloroethene	3.941	96	94475	45.839	ug/l	100
13) Acrolein	3.800	56	43154	214.571	ug/l	100
14) Allyl chloride	4.564	41	161076	46.332	ug/l	100
15) Acrylonitrile	5.253	53	117639	229.816	ug/l	100
16) Acetone	4.023	43	93164	216.250	ug/l	100
17) Carbon Disulfide	4.276	76	328962	45.855	ug/l	100
18) Methyl Acetate	4.564	43	64041	45.197	ug/l	100
19) Methyl tert-butyl Ether	5.323	73	220198	47.767	ug/l	100
20) Methylene Chloride	4.806	84	111520	44.340	ug/l	100
21) trans-1,2-Dichloroethene	5.311	96	106188	47.724	ug/l	100
22) Diisopropyl ether	6.217	45	337538	49.105	ug/l	100
23) Vinyl Acetate	6.158	43	960724	241.587	ug/l	100
24) 1,1-Dichloroethane	6.111	63	191131	45.978	ug/l	100
25) 2-Butanone	7.088	43	140794	223.195	ug/l	100
26) 2,2-Dichloropropane	7.076	77	154560	46.691	ug/l	100
27) cis-1,2-Dichloroethene	7.082	96	119031	47.499	ug/l	100
28) Bromochloromethane	7.429	49	84837	46.122	ug/l	100
29) Tetrahydrofuran	7.441	42	94241	232.214	ug/l	100
30) Chloroform	7.600	83	189979	47.081	ug/l	100
31) Cyclohexane	7.876	56	173085	46.022	ug/l	100
32) 1,1,1-Trichloroethane	7.794	97	158579	46.994	ug/l	100
36) 1,1-Dichloropropene	8.011	75	136051	47.603	ug/l	100
37) Ethyl Acetate	7.170	43	65260	46.600	ug/l	100
38) Carbon Tetrachloride	7.994	117	136389	47.211	ug/l	100
39) Methylcyclohexane	9.276	83	166465	49.171	ug/l	100
40) Benzene	8.252	78	426573	47.935	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	41824m	48.487	ug/l	
42) 1,2-Dichloroethane	8.329	62	113696	46.929	ug/l	100
43) Isopropyl Acetate	8.358	43	124468	46.747	ug/l	100
44) Trichloroethene	9.029	130	98173	47.629	ug/l	100
45) 1,2-Dichloropropane	9.305	63	104369	47.626	ug/l	100
46) Dibromomethane	9.394	93	56372	48.318	ug/l	100
47) Bromodichloromethane	9.582	83	142576	48.118	ug/l	100
48) Methyl methacrylate	9.382	41	64915	49.709	ug/l	100
49) 1,4-Dioxane	9.382	88	11933	916.897	ug/l	100
51) 4-Methyl-2-Pentanone	10.158	43	335806	246.864	ug/l	100
52) Toluene	10.335	92	265581	51.310	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	131921	49.897	ug/l	100
54) cis-1,3-Dichloropropene	10.017	75	156099	48.783	ug/l	100
55) 1,1,2-Trichloroethane	10.729	97	75825	49.914	ug/l	100
56) Ethyl methacrylate	10.594	69	97973	50.738	ug/l	100
57) 1,3-Dichloropropane	10.876	76	126953	48.721	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.870	63	210481	260.104	ug/l	100
59) 2-Hexanone	10.917	43	228647	250.230	ug/l	100
60) Dibromochloromethane	11.070	129	93223	50.055	ug/l	100
61) 1,2-Dibromoethane	11.176	107	67925	50.126	ug/l	100
64) Tetrachloroethene	10.805	164	82725	46.819	ug/l	100
65) Chlorobenzene	11.605	112	275215	47.282	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.682	131	94151	48.179	ug/l	100
67) Ethyl Benzene	11.682	91	491057	49.025	ug/l	100
68) m/p-Xylenes	11.788	106	382777	100.702	ug/l	100
69) o-Xylene	12.117	106	174097	49.361	ug/l	100
70) Styrene	12.135	104	313134	50.301	ug/l	100
71) Bromoform	12.293	173	54013	48.892	ug/l #	100
73) Isopropylbenzene	12.417	105	453685	50.356	ug/l	100
74) N-amyl acetate	12.229	43	121789	48.415	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.670	83	88494	47.486	ug/l	100
76) 1,2,3-Trichloropropane	12.723	75	75299m	49.123	ug/l	
77) Bromobenzene	12.699	156	108880	48.736	ug/l	100
78) n-propylbenzene	12.758	91	577769	49.381	ug/l	100
79) 2-Chlorotoluene	12.846	91	330212	49.364	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	392774	50.926	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.464	75	32928	48.089	ug/l	100
82) 4-Chlorotoluene	12.946	91	350182	49.174	ug/l	100
83) tert-Butylbenzene	13.164	119	318899	49.674	ug/l	100
84) 1,2,4-Trimethylbenzene	13.211	105	396130	50.886	ug/l	100
85) sec-Butylbenzene	13.340	105	503361	51.114	ug/l	100
86) p-Isopropyltoluene	13.458	119	418124	50.070	ug/l	100
87) 1,3-Dichlorobenzene	13.452	146	222987	49.014	ug/l	100
88) 1,4-Dichlorobenzene	13.535	146	221167	47.726	ug/l	100
89) n-Butylbenzene	13.782	91	407636	49.471	ug/l	100
90) Hexachloroethane	14.052	117	82798	47.139	ug/l	100
91) 1,2-Dichlorobenzene	13.829	146	191538	47.770	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.440	75	13538	44.855	ug/l	100
93) 1,2,4-Trichlorobenzene	15.093	180	119888	48.908	ug/l	100
94) Hexachlorobutadiene	15.199	225	62831	51.447	ug/l	100
95) Naphthalene	15.329	128	234205	49.642	ug/l	100
96) 1,2,3-Trichlorobenzene	15.517	180	108384	49.382	ug/l	100

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

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