

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060425\
 Data File : VD080404.D
 Acq On : 04 Jun 2025 09:03
 Operator : RP/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jun 05 01:57:30 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	151035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	266869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	209324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	105500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	19599	10.695	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	21.380%#
35) Dibromofluoromethane	7.805	113	16675	9.998	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	20.000%#
50) Toluene-d8	10.270	98	65291	10.020	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	20.040%#
62) 4-Bromofluorobenzene	12.570	95	15660	7.653	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	15.300%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.935	85	18595	11.312	ug/l	100
3) Chloromethane	2.153	50	32917	11.345	ug/l	100
4) Vinyl Chloride	2.288	62	36445	11.194	ug/l	99
5) Bromomethane	2.694	94	23862	11.669	ug/l	93
6) Chloroethane	2.841	64	24298	11.533	ug/l	98
7) Trichlorofluoromethane	3.176	101	31698	10.777	ug/l	95
8) Diethyl Ether	3.606	74	10351	10.644	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.970	101	18922	10.818	ug/l	98
10) Methyl Iodide	4.159	142	16338	9.176	ug/l	99
11) Tert butyl alcohol	5.059	59	6381m	55.697	ug/l	
12) 1,1-Dichloroethene	3.941	96	18912	10.561	ug/l	97
13) Acrolein	3.794	56	9646	55.201	ug/l	100
14) Allyl chloride	4.564	41	31439	10.408	ug/l	96
15) Acrylonitrile	5.259	53	23628	53.126	ug/l	99
16) Acetone	4.029	43	22587m	60.341	ug/l	
17) Carbon Disulfide	4.270	76	67027	10.753	ug/l	100
18) Methyl Acetate	4.564	43	13144	10.676	ug/l	100
19) Methyl tert-butyl Ether	5.317	73	38811	9.690	ug/l	99
20) Methylene Chloride	4.800	84	24931	11.409	ug/l	95
21) trans-1,2-Dichloroethene	5.311	96	20125	10.410	ug/l	89
22) Diisopropyl ether	6.217	45	59685	9.994	ug/l	96
23) Vinyl Acetate	6.159	43	168013	48.626	ug/l	97
24) 1,1-Dichloroethane	6.106	63	38428	10.639	ug/l #	98
25) 2-Butanone	7.082	43	28888	52.707	ug/l	94
26) 2,2-Dichloropropane	7.076	77	30818	10.715	ug/l	98
27) cis-1,2-Dichloroethene	7.082	96	21885	10.051	ug/l	97
28) Bromochloromethane	7.423	49	17024	10.652	ug/l	99
29) Tetrahydrofuran	7.453	42	17667	50.103	ug/l	98
30) Chloroform	7.600	83	37314	10.643	ug/l	96
31) Cyclohexane	7.882	56	33475	10.244	ug/l #	95
32) 1,1,1-Trichloroethane	7.794	97	30271	10.325	ug/l	93
36) 1,1-Dichloropropene	8.011	75	25725	9.842	ug/l	99
37) Ethyl Acetate	7.170	43	12538	9.789	ug/l	97
38) Carbon Tetrachloride	7.994	117	27460	10.393	ug/l	93
39) Methylcyclohexane	9.276	83	28027	9.052	ug/l	95
40) Benzene	8.252	78	80977	9.949	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	6628	8.402	ug/l #	80
42) 1,2-Dichloroethane	8.323	62	22647	10.221	ug/l	88
43) Isopropyl Acetate	8.364	43	23587	9.686	ug/l	98
44) Trichloroethene	9.029	130	19166	10.167	ug/l	96
45) 1,2-Dichloropropane	9.300	63	20346	10.151	ug/l	98
46) Dibromomethane	9.394	93	10370	9.719	ug/l	98
47) Bromodichloromethane	9.582	83	28011	10.336	ug/l	98
48) Methyl methacrylate	9.382	41	11303	9.464	ug/l #	92
49) 1,4-Dioxane	9.388	88	2446	205.496	ug/l #	84
51) 4-Methyl-2-Pentanone	10.158	43	60485	48.617	ug/l	100
52) Toluene	10.335	92	47389	10.011	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	23429	9.689	ug/l	95
54) cis-1,3-Dichloropropene	10.017	75	28935	9.887	ug/l	96
55) 1,1,2-Trichloroethane	10.729	97	14067	10.125	ug/l	96
56) Ethyl methacrylate	10.594	69	16245	9.199	ug/l	95
57) 1,3-Dichloropropane	10.876	76	24210	10.159	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.870	63	32369	43.736	ug/l	99
59) 2-Hexanone	10.917	43	38997	46.664	ug/l	98
60) Dibromochloromethane	11.070	129	16450	9.658	ug/l	94
61) 1,2-Dibromoethane	11.182	107	11728	9.463	ug/l	99
64) Tetrachloroethene	10.811	164	15381	10.944	ug/l	93
65) Chlorobenzene	11.605	112	45185	9.759	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.682	131	14925	9.601	ug/l	95
67) Ethyl Benzene	11.682	91	72644	9.117	ug/l	99
68) m/p-Xylenes	11.788	106	53266	17.617	ug/l	98
69) o-Xylene	12.117	106	25911	9.236	ug/l	92
70) Styrene	12.135	104	43812	8.848	ug/l	98
71) Bromoform	12.299	173	8174	9.302	ug/l #	96
73) Isopropylbenzene	12.417	105	60971	8.514	ug/l	96
74) N-amyl acetate	12.229	43	19228	9.617	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.670	83	13972	9.433	ug/l	97
76) 1,2,3-Trichloropropane	12.717	75	12217m	10.027	ug/l	
77) Bromobenzene	12.699	156	15317	8.626	ug/l	92
78) n-propylbenzene	12.758	91	79910	8.593	ug/l	99
79) 2-Chlorotoluene	12.846	91	46539	8.753	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	52481	8.561	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.464	75	4958	9.110	ug/l	88
82) 4-Chlorotoluene	12.946	91	51430	9.086	ug/l	98
83) tert-Butylbenzene	13.158	119	43226	8.471	ug/l	99
84) 1,2,4-Trimethylbenzene	13.205	105	52959	8.559	ug/l	97
85) sec-Butylbenzene	13.340	105	69819	8.920	ug/l	99
86) p-Isopropyltoluene	13.458	119	64672	9.743	ug/l	98
87) 1,3-Dichlorobenzene	13.458	146	37055	10.247	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	39374	10.689	ug/l	96
89) n-Butylbenzene	13.782	91	62839	9.594	ug/l	97
90) Hexachloroethane	14.052	117	14567	10.434	ug/l	98
91) 1,2-Dichlorobenzene	13.823	146	30393	9.536	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.446	75	2737	11.409	ug/l	97
93) 1,2,4-Trichlorobenzene	15.093	180	16790	8.617	ug/l	99
94) Hexachlorobutadiene	15.199	225	8255	8.504	ug/l	95
95) Naphthalene	15.329	128	31276	8.340	ug/l	97
96) 1,2,3-Trichlorobenzene	15.517	180	15042	8.622	ug/l	97

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

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