

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060425\
 Data File : VD080405.D
 Acq On : 04 Jun 2025 09:29
 Operator : RP/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 05 01:58:20 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	158121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	265715	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	198032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	99957	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	38473	20.053	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	40.100%#
35) Dibromofluoromethane	7.811	113	33899	20.414	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	40.820%#
50) Toluene-d8	10.270	98	114348	17.625	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	35.240%#
62) 4-Bromofluorobenzene	12.570	95	41226	20.235	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	40.460%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.935	85	35141	20.419	ug/l	93
3) Chloromethane	2.153	50	65224	21.472	ug/l	99
4) Vinyl Chloride	2.288	62	70291	20.622	ug/l	93
5) Bromomethane	2.688	94	44600	20.833	ug/l	99
6) Chloroethane	2.841	64	46230	20.959	ug/l	95
7) Trichlorofluoromethane	3.176	101	64640	20.993	ug/l	98
8) Diethyl Ether	3.594	74	20725	20.356	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.970	101	36642	20.010	ug/l	99
10) Methyl Iodide	4.165	142	36150	19.392	ug/l	100
11) Tert butyl alcohol	5.047	59	11855	98.839	ug/l	96
12) 1,1-Dichloroethene	3.941	96	36471	19.454	ug/l	94
13) Acrolein	3.794	56	18844	103.006	ug/l	100
14) Allyl chloride	4.570	41	62592	19.793	ug/l	98
15) Acrylonitrile	5.253	53	45904	98.586	ug/l	99
16) Acetone	4.023	43	37233	95.011	ug/l	94
17) Carbon Disulfide	4.276	76	134155	20.558	ug/l	100
18) Methyl Acetate	4.559	43	27008	20.955	ug/l	98
19) Methyl tert-butyl Ether	5.317	73	82621	19.704	ug/l	95
20) Methylene Chloride	4.806	84	45521	19.897	ug/l	97
21) trans-1,2-Dichloroethene	5.312	96	40689	20.104	ug/l	97
22) Diisopropyl ether	6.217	45	129153	20.656	ug/l	95
23) Vinyl Acetate	6.159	43	352849	97.544	ug/l	99
24) 1,1-Dichloroethane	6.117	63	77553	20.509	ug/l	99
25) 2-Butanone	7.082	43	55642	96.971	ug/l	96
26) 2,2-Dichloropropane	7.082	77	59976	19.918	ug/l	99
27) cis-1,2-Dichloroethene	7.076	96	45674	20.037	ug/l	99
28) Bromochloromethane	7.429	49	34944	20.885	ug/l #	94
29) Tetrahydrofuran	7.441	42	36561	99.038	ug/l	96
30) Chloroform	7.600	83	73711	20.082	ug/l	99
31) Cyclohexane	7.882	56	65712	19.208	ug/l	97
32) 1,1,1-Trichloroethane	7.794	97	61196	19.937	ug/l	97
36) 1,1-Dichloropropene	8.006	75	51648	19.845	ug/l	98
37) Ethyl Acetate	7.170	43	23829	18.685	ug/l #	93
38) Carbon Tetrachloride	7.988	117	53869	20.477	ug/l	96
39) Methylcyclohexane	9.276	83	56107	18.200	ug/l	99
40) Benzene	8.253	78	162687	20.076	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	13650m	17.378	ug/l	
42) 1,2-Dichloroethane	8.323	62	44281	20.071	ug/l	98
43) Isopropyl Acetate	8.358	43	47393	19.546	ug/l	99
44) Trichloroethene	9.023	130	36581	19.489	ug/l	94
45) 1,2-Dichloropropane	9.305	63	37248	18.665	ug/l	99
46) Dibromomethane	9.388	93	19445	18.303	ug/l	96
47) Bromodichloromethane	9.582	83	50309	18.645	ug/l	91
48) Methyl methacrylate	9.382	41	22259	18.718	ug/l	96
49) 1,4-Dioxane	9.388	88	4131	348.565	ug/l #	93
51) 4-Methyl-2-Pentanone	10.158	43	114898	92.755	ug/l	98
52) Toluene	10.329	92	80412	17.060	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	41901	17.404	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	53718	18.435	ug/l	96
55) 1,1,2-Trichloroethane	10.729	97	23700	17.132	ug/l	96
56) Ethyl methacrylate	10.600	69	29333	16.682	ug/l	96
57) 1,3-Dichloropropane	10.876	76	42201	17.785	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.870	63	69714	94.605	ug/l	99
59) 2-Hexanone	10.917	43	74277	89.266	ug/l	94
60) Dibromochloromethane	11.070	129	29153	17.190	ug/l	100
61) 1,2-Dibromoethane	11.176	107	21018	17.033	ug/l	99
64) Tetrachloroethene	10.811	164	24713	18.586	ug/l	94
65) Chlorobenzene	11.605	112	86556	19.761	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.676	131	28547	19.412	ug/l	98
67) Ethyl Benzene	11.682	91	145075	19.246	ug/l	100
68) m/p-Xylenes	11.794	106	115071	40.228	ug/l	100
69) o-Xylene	12.117	106	49736	18.739	ug/l	93
70) Styrene	12.135	104	93687	19.999	ug/l	98
71) Bromoform	12.299	173	15887	19.110	ug/l #	94
73) Isopropylbenzene	12.417	105	146828	21.640	ug/l	98
74) N-amyl acetate	12.229	43	38405	20.273	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.670	83	32595	23.225	ug/l	97
76) 1,2,3-Trichloropropane	12.723	75	23796m	20.614	ug/l	
77) Bromobenzene	12.694	156	38925	23.136	ug/l	98
78) n-propylbenzene	12.758	91	197652	22.432	ug/l	99
79) 2-Chlorotoluene	12.846	91	110298	21.895	ug/l	100
80) 1,3,5-Trimethylbenzene	12.899	105	126806	21.832	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.464	75	12063	23.393	ug/l	95
82) 4-Chlorotoluene	12.946	91	123368	23.004	ug/l	99
83) tert-Butylbenzene	13.164	119	105169	21.753	ug/l	99
84) 1,2,4-Trimethylbenzene	13.205	105	127359	21.724	ug/l	100
85) sec-Butylbenzene	13.341	105	150089	20.238	ug/l	99
86) p-Isopropyltoluene	13.458	119	120274	19.125	ug/l	99
87) 1,3-Dichlorobenzene	13.452	146	66554	19.425	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	65675	18.819	ug/l	97
89) n-Butylbenzene	13.782	91	116206	18.726	ug/l	99
90) Hexachloroethane	14.046	117	25860	19.550	ug/l	97
91) 1,2-Dichlorobenzene	13.829	146	59314	19.643	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.441	75	4388	19.305	ug/l	99
93) 1,2,4-Trichlorobenzene	15.099	180	35929	19.463	ug/l	97
94) Hexachlorobutadiene	15.193	225	17323	18.835	ug/l	95
95) Naphthalene	15.329	128	65931	18.557	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	31847	19.267	ug/l	98

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

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