

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101223\
 Data File : VD077318.D
 Acq On : 12 Oct 2023 14:56
 Operator : JC/SY
 Sample : VD1012SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Quant Time: Oct 13 02:30:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101123S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 12 14:39:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	236653	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	428465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	404543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	193396	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	100763	54.159	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.320%	
35) Dibromofluoromethane	7.805	113	117016	52.447	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.900%	
50) Toluene-d8	10.269	98	397714	53.160	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.320%	
62) 4-Bromofluorobenzene	12.575	95	126831	50.475	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.960%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	45337	20.901	ug/l	96
3) Chloromethane	2.146	50	67577	19.741	ug/l	99
4) Vinyl Chloride	2.281	62	64233	16.948	ug/l	99
5) Bromomethane	2.681	94	47832	17.510	ug/l	99
6) Chloroethane	2.834	64	51302	19.997	ug/l	99
7) Trichlorofluoromethane	3.175	101	78144	19.175	ug/l	97
8) Diethyl Ether	3.593	74	29403	20.847	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.958	101	55280	19.685	ug/l	95
10) Methyl Iodide	4.158	142	64681	18.167	ug/l	# 87
11) Tert butyl alcohol	5.046	59	14857	104.407	ug/l	# 92
12) 1,1-Dichloroethene	3.940	96	51176	18.684	ug/l	88
13) Acrolein	3.805	56	8961	49.713	ug/l	99
14) Allyl chloride	4.563	41	71930	19.119	ug/l	# 89
15) Acrylonitrile	5.258	53	68985	102.665	ug/l	99
16) Acetone	4.016	43	59535	102.408	ug/l	93
17) Carbon Disulfide	4.269	76	153937	18.464	ug/l	98
18) Methyl Acetate	4.563	43	48735	20.692	ug/l	89
19) Methyl tert-butyl Ether	5.316	73	120502	19.553	ug/l	93
20) Methylene Chloride	4.799	84	101312	20.117	ug/l	# 85
21) trans-1,2-Dichloroethene	5.311	96	61658	18.811	ug/l	92
22) Diisopropyl ether	6.216	45	171539	20.032	ug/l	# 94
23) Vinyl Acetate	6.152	43	394389m	97.834	ug/l	
24) 1,1-Dichloroethane	6.110	63	113310	20.113	ug/l	94
25) 2-Butanone	7.081	43	81077	103.995	ug/l	90
26) 2,2-Dichloropropane	7.081	77	84596	18.685	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	71481	19.632	ug/l	94
28) Bromochloromethane	7.422	49	46229	20.742	ug/l	# 74
29) Tetrahydrofuran	7.446	42	47564	100.736	ug/l	# 87
30) Chloroform	7.593	83	118833	20.644	ug/l	99
31) Cyclohexane	7.875	56	82352	18.235	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	94925	20.474	ug/l	99
36) 1,1-Dichloropropene	8.004	75	82680	19.832	ug/l	95
37) Ethyl Acetate	7.169	43	37171	21.377	ug/l	# 93
38) Carbon Tetrachloride	7.993	117	76105	20.273	ug/l	96
39) Methylcyclohexane	9.275	83	86941	18.193	ug/l	97
40) Benzene	8.252	78	255635	20.119	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	19188	21.216	ug/l	88
42) 1,2-Dichloroethane	8.328	62	61172	20.196	ug/l	98
43) Isopropyl Acetate	8.363	43	64843	21.060	ug/l	92
44) Trichloroethene	9.028	130	60251	19.185	ug/l	94
45) 1,2-Dichloropropane	9.304	63	65500	20.128	ug/l	96
46) Dibromomethane	9.393	93	34579	19.977	ug/l	90
47) Bromodichloromethane	9.587	83	85462	20.400	ug/l	97
48) Methyl methacrylate	9.381	41	29490	20.121	ug/l #	79
49) 1,4-Dioxane	9.381	88	6583	366.099	ug/l #	81
51) 4-Methyl-2-Pentanone	10.163	43	168640	104.688	ug/l	91
52) Toluene	10.334	92	159844	20.330	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	79939	20.020	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	99843	20.235	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	50975	21.796	ug/l	96
56) Ethyl methacrylate	10.598	69	54715	19.390	ug/l	92
57) 1,3-Dichloropropane	10.881	76	83376	20.764	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	139304	102.189	ug/l	94
59) 2-Hexanone	10.922	43	122898	107.432	ug/l	88
60) Dibromochloromethane	11.075	129	54833	20.486	ug/l	97
61) 1,2-Dibromoethane	11.181	107	44584	20.670	ug/l	99
64) Tetrachloroethene	10.810	164	49926	19.506	ug/l	88
65) Chlorobenzene	11.610	112	165021	19.716	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	57449	19.359	ug/l	99
67) Ethyl Benzene	11.687	91	281845	18.483	ug/l	94
68) m/p-Xylenes	11.793	106	229084	39.358	ug/l	93
69) o-Xylene	12.122	106	102390	18.824	ug/l	93
70) Styrene	12.140	104	183593	19.523	ug/l	98
71) Bromoform	12.298	173	31440	21.011	ug/l #	100
73) Isopropylbenzene	12.422	105	268019	18.412	ug/l	94
74) N-amyl acetate	12.234	43	60661	20.045	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.675	83	57453	20.140	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	39925m	19.930	ug/l	
77) Bromobenzene	12.698	156	64114	19.608	ug/l	83
78) n-propylbenzene	12.763	91	341135	18.571	ug/l	94
79) 2-Chlorotoluene	12.851	91	189909	19.257	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	226100	18.790	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.475	75	18386	20.513	ug/l	96
82) 4-Chlorotoluene	12.951	91	195005	18.814	ug/l	96
83) tert-Butylbenzene	13.169	119	181424	17.968	ug/l	96
84) 1,2,4-Trimethylbenzene	13.216	105	227734	18.753	ug/l	96
85) sec-Butylbenzene	13.345	105	286970	18.214	ug/l	94
86) p-Isopropyltoluene	13.463	119	236542	18.256	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	132002	19.173	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	134903	19.960	ug/l	96
89) n-Butylbenzene	13.787	91	226923	17.881	ug/l	96
90) Hexachloroethane	14.051	117	48464	19.206	ug/l	83
91) 1,2-Dichlorobenzene	13.834	146	114263	19.285	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	7423	19.712	ug/l	92
93) 1,2,4-Trichlorobenzene	15.104	180	65011	17.929	ug/l	94
94) Hexachlorobutadiene	15.210	225	32999	18.394	ug/l	98
95) Naphthalene	15.334	128	125789	17.884	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	57314	17.938	ug/l	99

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

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