

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031521\
 Data File : VD068617.D
 Acq On : 15 Mar 2021 12:32
 Operator : VA/SY
 Sample : VD0315SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2021 10:10:58 AM

Quant Time: Mar 15 14:39:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	256621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	441917	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	401847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	220152	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	123389	48.12	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.24%		
35) Dibromofluoromethane	7.914	113	130173	48.90	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.80%		
50) Toluene-d8	10.344	98	494040	46.59	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.18%		
62) 4-Bromofluorobenzene	12.632	95	172696	50.54	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.08%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	48925	19.65	ug/l	90
3) Chloromethane	2.209	50	61000	19.38	ug/l	94
4) Vinyl Chloride	2.350	62	74104	19.83	ug/l	95
5) Bromomethane	2.756	94	55267	20.77	ug/l	92
6) Chloroethane	2.920	64	51975	21.51	ug/l	98
7) Trichlorofluoromethane	3.273	101	91493	21.46	ug/l	96
8) Diethyl Ether	3.709	74	25093	19.77	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.097	101	57859	22.28	ug/l	93
10) Methyl Iodide	4.297	142	48173	17.32	ug/l	95
11) Tert butyl alcohol	5.220	59	15482	113.09	ug/l #	92
12) 1,1-Dichloroethene	4.067	96	55094	21.38	ug/l	94
13) Acrolein	3.926	56	15310	78.25	ug/l	95
14) Allyl chloride	4.714	41	66220	19.90	ug/l	95
15) Acrylonitrile	5.420	53	65040	121.41	ug/l	97
16) Acetone	4.162	43	47094	115.63	ug/l	96
17) Carbon Disulfide	4.409	76	163041	19.31	ug/l	98
18) Methyl Acetate	4.714	43	23242	22.14	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	133872	23.96	ug/l	93
20) Methylene Chloride	4.962	84	69494	20.35	ug/l	96
21) trans-1,2-Dichloroethene	5.479	96	71054	23.09	ug/l	93
22) Diisopropyl ether	6.361	45	151677	20.70	ug/l	96
23) Vinyl Acetate	6.308	43	393231	103.43	ug/l	97
24) 1,1-Dichloroethane	6.261	63	104180	20.74	ug/l	99
25) 2-Butanone	7.214	43	60694	103.67	ug/l	96
26) 2,2-Dichloropropane	7.208	77	91633	21.90	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	70534	20.88	ug/l	96
28) Bromochloromethane	7.550	49	38809	19.79	ug/l	80
29) Tetrahydrofuran	7.567	42	37285	98.08	ug/l	98
30) Chloroform	7.708	83	113293	21.36	ug/l	98
31) Cyclohexane	7.985	56	90665	19.44	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	96967	21.42	ug/l	96
36) 1,1-Dichloropropene	8.114	75	86698	20.64	ug/l	97
37) Ethyl Acetate	7.291	43	30993	22.24	ug/l	94
38) Carbon Tetrachloride	8.097	117	84338	21.37	ug/l	97
39) Methylcyclohexane	9.355	83	101313	19.56	ug/l	99
40) Benzene	8.350	78	244115	20.26	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	13974	17.27	ug/l #	81
42) 1,2-Dichloroethane	8.426	62	68189	21.52	ug/l	99
43) Isopropyl Acetate	8.450	43	56500	22.06	ug/l	98
44) Trichloroethene	9.114	130	69147	20.91	ug/l	98
45) 1,2-Dichloropropane	9.385	63	61591	21.38	ug/l	91
46) Dibromomethane	9.473	93	33489	21.37	ug/l	94
47) Bromodichloromethane	9.661	83	88429	21.82	ug/l	96
48) Methyl methacrylate	9.455	41	25994	19.04	ug/l #	80
49) 1,4-Dioxane	9.461	88	7454	417.09	ug/l	93
51) 4-Methyl-2-Pentanone	10.232	43	144708	107.96	ug/l	100
52) Toluene	10.402	92	160508	20.86	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	79906	21.33	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	95513	20.90	ug/l	96
55) 1,1,2-Trichloroethane	10.802	97	46403	21.40	ug/l	97
56) Ethyl methacrylate	10.661	69	50018	20.07	ug/l	97
57) 1,3-Dichloropropane	10.949	76	78513	20.74	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.944	63	124518	99.57	ug/l	89
59) 2-Hexanone	10.985	43	98543	110.29	ug/l	100
60) Dibromochloromethane	11.138	129	58875	21.93	ug/l	97
61) 1,2-Dibromoethane	11.244	107	45360	21.37	ug/l	100
64) Tetrachloroethene	10.873	164	55797	21.26	ug/l	95
65) Chlorobenzene	11.667	112	176127	21.52	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.743	131	62683	22.04	ug/l	99
67) Ethyl Benzene	11.743	91	306258	20.97	ug/l	99
68) m/p-Xylenes	11.855	106	236996	42.72	ug/l	99
69) o-Xylene	12.179	106	110789	21.68	ug/l	93
70) Styrene	12.196	104	189425	21.68	ug/l	97
71) Bromoform	12.361	173	33337	23.07	ug/l #	99
73) Isopropylbenzene	12.479	105	297737	18.23	ug/l	98
74) N-amyl acetate	12.285	43	52341	18.82	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	54781	19.50	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	38961m	19.93	ug/l	
77) Bromobenzene	12.761	156	70579	18.94	ug/l	93
78) n-propylbenzene	12.820	91	373050	19.12	ug/l	98
79) 2-Chlorotoluene	12.908	91	210505	19.44	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	267674	20.00	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	15739	18.79	ug/l	97
82) 4-Chlorotoluene	13.002	91	229443	20.14	ug/l	99
83) tert-Butylbenzene	13.220	119	212549	18.65	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	262894	19.62	ug/l	97
85) sec-Butylbenzene	13.396	105	317173	19.71	ug/l	99
86) p-Isopropyltoluene	13.514	119	308175	21.09	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	150954	20.98	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	155062	21.75	ug/l	99
89) n-Butylbenzene	13.843	91	291186	20.66	ug/l	98
90) Hexachloroethane	14.108	117	57676	19.86	ug/l	93
91) 1,2-Dichlorobenzene	13.885	146	135222	21.91	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	9880	19.95	ug/l	87
93) 1,2,4-Trichlorobenzene	15.155	180	93815	19.68	ug/l	97
94) Hexachlorobutadiene	15.261	225	52305	19.77	ug/l	97
95) Naphthalene	15.396	128	160023	18.54	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	80330	19.46	ug/l	97

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

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