

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033121\
 Data File : VD068730.D
 Acq On : 31 Mar 2021 11:01
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/1/2021 3:20:36 PM

Quant Time: Apr 01 00:41:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	321614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	528286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	477918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	238917	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	165077	50.90	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.80%			
35) Dibromofluoromethane	7.920	113	173329	52.73	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.46%			
50) Toluene-d8	10.338	98	687912	54.28	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.56%			
62) 4-Bromofluorobenzene	12.632	95	218496	53.18	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.36%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	122284	48.64	ug/l	94
3) Chloromethane	2.209	50	140272	45.29	ug/l	100
4) Vinyl Chloride	2.350	62	183531	50.13	ug/l	99
5) Bromomethane	2.768	94	121420	44.88	ug/l	96
6) Chloroethane	2.921	64	116549	48.60	ug/l	99
7) Trichlorofluoromethane	3.273	101	228400	52.33	ug/l	99
8) Diethyl Ether	3.709	74	58417	48.41	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.097	101	140331	53.74	ug/l	99
10) Methyl Iodide	4.303	142	135931	44.61	ug/l	99
11) Tert butyl alcohol	5.226	59	35625	238.39	ug/l	98
12) 1,1-Dichloroethene	4.073	96	129755	51.04	ug/l	94
13) Acrolein	3.921	56	29406	236.73	ug/l	100
14) Allyl chloride	4.715	41	146399	47.40	ug/l	98
15) Acrylonitrile	5.426	53	140291	238.84	ug/l	99
16) Acetone	4.162	43	112803	286.70	ug/l	100
17) Carbon Disulfide	4.415	76	401035	49.13	ug/l	100
18) Methyl Acetate	4.726	43	54103	50.02	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	302565	47.25	ug/l	95
20) Methylene Chloride	4.968	84	163887	48.30	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	170348	48.20	ug/l	97
22) Diisopropyl ether	6.367	45	364169	46.39	ug/l	95
23) Vinyl Acetate	6.309	43	967720	232.04	ug/l	99
24) 1,1-Dichloroethane	6.267	63	274913	47.75	ug/l	99
25) 2-Butanone	7.214	43	144620	221.83	ug/l	98
26) 2,2-Dichloropropane	7.214	77	227258	44.37	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	166326	42.23	ug/l	97
28) Bromochloromethane	7.550	49	103506	45.47	ug/l	96
29) Tetrahydrofuran	7.567	42	91575	222.22	ug/l	99
30) Chloroform	7.714	83	268996	42.99	ug/l	100
31) Cyclohexane	7.985	56	241742	46.20	ug/l	100
32) 1,1,1-Trichloroethane	7.909	97	265633	47.56	ug/l	99
36) 1,1-Dichloropropene	8.114	75	235120	49.83	ug/l	100
37) Ethyl Acetate	7.297	43	66395	44.59	ug/l	97
38) Carbon Tetrachloride	8.097	117	240928	51.16	ug/l	99
39) Methylcyclohexane	9.356	83	298388	51.23	ug/l	93
40) Benzene	8.350	78	660622	47.99	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	37288	42.79	ug/l	92
42) 1,2-Dichloroethane	8.426	62	174736	48.51	ug/l	98
43) Isopropyl Acetate	8.456	43	137162	48.02	ug/l	100
44) Trichloroethene	9.114	130	189175	49.52	ug/l	95
45) 1,2-Dichloropropane	9.391	63	156268	47.45	ug/l	96
46) Dibromomethane	9.479	93	86247	46.05	ug/l	94
47) Bromodichloromethane	9.661	83	230281	47.93	ug/l	97
48) Methyl methacrylate	9.461	41	69894	48.29	ug/l	96
49) 1,4-Dioxane	9.461	88	20215	971.37	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	363677	244.59	ug/l	98
52) Toluene	10.403	92	427115	49.03	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	212034	47.98	ug/l	97
54) cis-1,3-Dichloropropene	10.091	75	247293	47.12	ug/l	98
55) 1,1,2-Trichloroethane	10.803	97	121955	46.29	ug/l	97
56) Ethyl methacrylate	10.661	69	136999	48.12	ug/l	99
57) 1,3-Dichloropropane	10.944	76	200794	46.71	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.944	63	416765	287.36	ug/l	99
59) 2-Hexanone	10.985	43	261515	261.93	ug/l	99
60) Dibromochloromethane	11.138	129	153199	46.89	ug/l	98
61) 1,2-Dibromoethane	11.244	107	116811	45.94	ug/l	98
64) Tetrachloroethene	10.879	164	153165	49.44	ug/l	96
65) Chlorobenzene	11.667	112	430940	45.82	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.744	131	148088	43.76	ug/l	96
67) Ethyl Benzene	11.744	91	761101	46.39	ug/l	99
68) m/p-Xylenes	11.850	106	645167	100.92	ug/l	100
69) o-Xylene	12.179	106	288500	48.69	ug/l	100
70) Styrene	12.191	104	502757	49.38	ug/l	100
71) Bromoform	12.361	173	87871	49.23	ug/l #	99
73) Isopropylbenzene	12.479	105	815327	49.67	ug/l	100
74) N-amyl acetate	12.285	43	126127	46.10	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	137802	47.51	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	86579m	43.54	ug/l	
77) Bromobenzene	12.761	156	180466	46.87	ug/l	99
78) n-propylbenzene	12.814	91	974562	49.86	ug/l	99
79) 2-Chlorotoluene	12.902	91	528409	49.54	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	641542	48.32	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	42306	48.40	ug/l	97
82) 4-Chlorotoluene	13.002	91	527984	46.34	ug/l	99
83) tert-Butylbenzene	13.220	119	570773	50.45	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	677149	49.38	ug/l	99
85) sec-Butylbenzene	13.396	105	834475	50.73	ug/l	99
86) p-Isopropyltoluene	13.514	119	754184	50.39	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	358617	46.70	ug/l	97
88) 1,4-Dichlorobenzene	13.591	146	357370	47.35	ug/l	100
89) n-Butylbenzene	13.838	91	713330	50.20	ug/l	99
90) Hexachloroethane	14.108	117	141608	52.59	ug/l	100
91) 1,2-Dichlorobenzene	13.885	146	312711	47.94	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	20286	48.89	ug/l	93
93) 1,2,4-Trichlorobenzene	15.155	180	208592	49.21	ug/l	98
94) Hexachlorobutadiene	15.261	225	123787	51.15	ug/l	99
95) Naphthalene	15.396	128	363405	48.97	ug/l	99
96) 1,2,3-Trichlorobenzene	15.585	180	178298	49.40	ug/l	100

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

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