

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031221\
 Data File : VD068596.D
 Acq On : 12 Mar 2021 09:58
 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
 3/15/2021 12:39:45 PM

Quant Time: Mar 12 23:32:56 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	337528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	544445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	500389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	283099	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	152949	45.35	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.70%			
35) Dibromofluoromethane	7.914	113	165202	50.37	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.74%			
50) Toluene-d8	10.338	98	621730	47.59	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.18%			
62) 4-Bromofluorobenzene	12.632	95	218014	51.78	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	147698	45.09	ug/l	100
3) Chloromethane	2.209	50	172851	41.76	ug/l	96
4) Vinyl Chloride	2.350	62	228177	46.42	ug/l	99
5) Bromomethane	2.762	94	161161	46.05	ug/l	98
6) Chloroethane	2.921	64	148545	46.74	ug/l	100
7) Trichlorofluoromethane	3.273	101	287543	51.28	ug/l	99
8) Diethyl Ether	3.709	74	79022	47.34	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.091	101	172680	50.55	ug/l	97
10) Methyl Iodide	4.297	142	176388	43.54	ug/l	94
11) Tert butyl alcohol	5.220	59	50119	278.35	ug/l	98
12) 1,1-Dichloroethene	4.062	96	164267	48.46	ug/l	95
13) Acrolein	3.926	56	51971	201.95	ug/l	98
14) Allyl chloride	4.715	41	191184	43.68	ug/l	92
15) Acrylonitrile	5.420	53	179477	254.72	ug/l	99
16) Acetone	4.162	43	159373	297.52	ug/l #	86
17) Carbon Disulfide	4.409	76	521610	46.97	ug/l	97
18) Methyl Acetate	4.715	43	72102	52.22	ug/l	98
19) Methyl tert-butyl Ether	5.485	73	390377	53.12	ug/l	95
20) Methylene Chloride	4.962	84	211208	52.97	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	210442	52.00	ug/l	97
22) Diisopropyl ether	6.362	45	425532	44.15	ug/l	97
23) Vinyl Acetate	6.303	43	1132685	226.52	ug/l	98
24) 1,1-Dichloroethane	6.262	63	306936	46.46	ug/l	99
25) 2-Butanone	7.214	43	185834	241.34	ug/l	96
26) 2,2-Dichloropropane	7.209	77	277716	50.46	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	212349	47.79	ug/l	99
28) Bromochloromethane	7.544	49	111972	43.42	ug/l	94
29) Tetrahydrofuran	7.567	42	111338	222.67	ug/l	96
30) Chloroform	7.714	83	330664	47.40	ug/l	99
31) Cyclohexane	7.985	56	256993	41.90	ug/l	99
32) 1,1,1-Trichloroethane	7.909	97	299376	50.27	ug/l	98
36) 1,1-Dichloropropene	8.108	75	258224	49.90	ug/l	98
37) Ethyl Acetate	7.291	43	83610	48.69	ug/l	98
38) Carbon Tetrachloride	8.097	117	263108	54.11	ug/l	95
39) Methylcyclohexane	9.355	83	319650	50.08	ug/l	98
40) Benzene	8.350	78	727033	48.97	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	52964	53.14	ug/l #	89
42) 1,2-Dichloroethane	8.426	62	193390	49.54	ug/l	100
43) Isopropyl Acetate	8.450	43	160297	50.79	ug/l	98
44) Trichloroethene	9.114	130	211075	51.80	ug/l	99
45) 1,2-Dichloropropane	9.385	63	175706	49.51	ug/l	91
46) Dibromomethane	9.479	93	100496	52.05	ug/l	97
47) Bromodichloromethane	9.661	83	256842	51.43	ug/l	100
48) Methyl methacrylate	9.455	41	81826	48.64	ug/l	93
49) 1,4-Dioxane	9.461	88	23321	1059.20	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	415867	251.83	ug/l	100
52) Toluene	10.403	92	478224	50.45	ug/l	95
53) t-1,3-Dichloropropene	10.620	75	236468	51.23	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	276523	49.10	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	140361	52.53	ug/l	96
56) Ethyl methacrylate	10.661	69	157012	51.13	ug/l	95
57) 1,3-Dichloropropane	10.944	76	231890	49.72	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	398472	258.63	ug/l	95
59) 2-Hexanone	10.985	43	303600	275.81	ug/l	97
60) Dibromochloromethane	11.138	129	178063	53.84	ug/l	98
61) 1,2-Dibromoethane	11.244	107	135915	51.98	ug/l	99
64) Tetrachloroethene	10.873	164	177283	54.26	ug/l	96
65) Chlorobenzene	11.667	112	517782	50.81	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	190949	53.91	ug/l	98
67) Ethyl Benzene	11.744	91	930838	51.17	ug/l	97
68) m/p-Xylenes	11.849	106	733560	106.18	ug/l	98
69) o-Xylene	12.179	106	334894	52.64	ug/l	94
70) Styrene	12.191	104	580297	53.33	ug/l	98
71) Bromoform	12.361	173	105394	58.57	ug/l #	99
73) Isopropylbenzene	12.479	105	943768	44.95	ug/l	100
74) N-amyl acetate	12.285	43	156604	43.78	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	164160	45.44	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	103320m	41.11	ug/l	
77) Bromobenzene	12.755	156	223946	46.74	ug/l	97
78) n-propylbenzene	12.814	91	1149290	45.81	ug/l	99
79) 2-Chlorotoluene	12.902	91	623972	44.81	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	781152	45.39	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	49415	45.88	ug/l	97
82) 4-Chlorotoluene	13.002	91	665019	45.39	ug/l	100
83) tert-Butylbenzene	13.220	119	690913	47.15	ug/l	100
84) 1,2,4-Trimethylbenzene	13.267	105	806836	46.81	ug/l	99
85) sec-Butylbenzene	13.396	105	988864	47.78	ug/l	99
86) p-Isopropyltoluene	13.514	119	961891	51.20	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	474998	51.33	ug/l	100
88) 1,4-Dichlorobenzene	13.591	146	463764	50.58	ug/l	99
89) n-Butylbenzene	13.838	91	903591	49.86	ug/l	99
90) Hexachloroethane	14.108	117	151030	40.45	ug/l	98
91) 1,2-Dichlorobenzene	13.885	146	398645	50.22	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	27291	42.86	ug/l	98
93) 1,2,4-Trichlorobenzene	15.155	180	285061	46.49	ug/l	98
94) Hexachlorobutadiene	15.261	225	167685	49.28	ug/l	99
95) Naphthalene	15.396	128	510888	46.02	ug/l	99
96) 1,2,3-Trichlorobenzene	15.585	180	237074	44.66	ug/l	98

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

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