

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042021\
 Data File : VD068919.D
 Acq On : 20 Apr 2021 13:39
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 4/21/2021 4:32:05 PM

Quant Time: Apr 21 08:07:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	169223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	263782	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	257940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	130580	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	84066	47.01	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.02%		
35) Dibromofluoromethane	7.914	113	86660	50.51	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.02%		
50) Toluene-d8	10.338	98	346970	53.61	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	107.22%		
62) 4-Bromofluorobenzene	12.626	95	115979	53.95	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	107.90%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	75516	45.04	ug/l	95
3) Chloromethane	2.209	50	85657	43.45	ug/l	99
4) Vinyl Chloride	2.350	62	115446	46.62	ug/l	96
5) Bromomethane	2.767	94	85196	46.02	ug/l	95
6) Chloroethane	2.920	64	77254	47.47	ug/l	100
7) Trichlorofluoromethane	3.273	101	149887	51.44	ug/l	96
8) Diethyl Ether	3.714	74	39824	50.61	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.097	101	91269	51.90	ug/l	96
10) Methyl Iodide	4.303	142	93843	45.80	ug/l	97
11) Tert butyl alcohol	5.220	59	19818	203.15	ug/l #	88
12) 1,1-Dichloroethene	4.067	96	84188	49.70	ug/l	99
13) Acrolein	3.920	56	11089	157.53	ug/l	89
14) Allyl chloride	4.714	41	76800	40.23	ug/l	93
15) Acrylonitrile	5.420	53	81418	230.53	ug/l	99
16) Acetone	4.150	43	59918	241.94	ug/l	91
17) Carbon Disulfide	4.414	76	254519	46.42	ug/l	99
18) Methyl Acetate	4.714	43	27983	41.13	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	180768	48.10	ug/l	96
20) Methylene Chloride	4.967	84	97919	48.69	ug/l	96
21) trans-1,2-Dichloroethene	5.467	96	101965	46.88	ug/l	94
22) Diisopropyl ether	6.361	45	213376	46.13	ug/l	95
23) Vinyl Acetate	6.303	43	587279	239.58	ug/l	98
24) 1,1-Dichloroethane	6.261	63	160390	45.99	ug/l	99
25) 2-Butanone	7.208	43	80443	229.54	ug/l	97
26) 2,2-Dichloropropane	7.208	77	134664	47.27	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	107460	49.71	ug/l	98
28) Bromochloromethane	7.550	49	52380	41.61	ug/l	94
29) Tetrahydrofuran	7.561	42	49830	211.42	ug/l	94
30) Chloroform	7.708	83	180901	47.39	ug/l	97
31) Cyclohexane	7.985	56	130398	43.82	ug/l	97
32) 1,1,1-Trichloroethane	7.902	97	147611	44.26	ug/l	100
36) 1,1-Dichloropropene	8.114	75	136825	51.24	ug/l	98
37) Ethyl Acetate	7.291	43	39552	50.43	ug/l	97
38) Carbon Tetrachloride	8.091	117	142712	53.99	ug/l	99
39) Methylcyclohexane	9.355	83	166869	53.59	ug/l	97
40) Benzene	8.350	78	400598	51.27	ug/l	96

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41) Methacrylonitrile	7.538	41	20956m	45.14	ug/l	
42) 1,2-Dichloroethane	8.426	62	106545	51.59	ug/l	98
43) Isopropyl Acetate	8.455	43	81841	51.19	ug/l	98
44) Trichloroethene	9.114	130	117097	54.26	ug/l	87
45) 1,2-Dichloropropane	9.391	63	93315	50.00	ug/l	95
46) Dibromomethane	9.479	93	54282	52.22	ug/l	96
47) Bromodichloromethane	9.661	83	142542	52.49	ug/l	98
48) Methyl methacrylate	9.455	41	40550	51.47	ug/l	96
49) 1,4-Dioxane	9.461	88	12151	1103.99	ug/l	91
51) 4-Methyl-2-Pentanone	10.226	43	209643	260.16	ug/l	99
52) Toluene	10.402	92	265046	53.58	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	128144	53.23	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	154014	53.49	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	77563	52.77	ug/l	99
56) Ethyl methacrylate	10.661	69	82865	54.76	ug/l	99
57) 1,3-Dichloropropane	10.944	76	126788	52.38	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	210134	260.11	ug/l	99
59) 2-Hexanone	10.985	43	142622	264.51	ug/l	96
60) Dibromochloromethane	11.138	129	99920	54.21	ug/l	99
61) 1,2-Dibromoethane	11.243	107	75269	52.69	ug/l	98
64) Tetrachloroethene	10.873	164	96023	53.11	ug/l	99
65) Chlorobenzene	11.667	112	293249	52.52	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.743	131	105836	52.72	ug/l	98
67) Ethyl Benzene	11.743	91	513099	53.07	ug/l	98
68) m/p-Xylenes	11.855	106	390796	104.75	ug/l	95
69) o-Xylene	12.179	106	184157	54.28	ug/l	97
70) Styrene	12.190	104	319217	53.99	ug/l	99
71) Bromoform	12.355	173	55923	52.00	ug/l #	98
73) Isopropylbenzene	12.479	105	493470	51.76	ug/l	99
74) N-amyl acetate	12.285	43	78484	48.54	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	85613	48.04	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	55918m	46.87	ug/l	
77) Bromobenzene	12.755	156	117231	51.15	ug/l	95
78) n-propylbenzene	12.814	91	595230	51.40	ug/l	98
79) 2-Chlorotoluene	12.902	91	322630	49.87	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	415508	52.13	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	25238	49.10	ug/l	99
82) 4-Chlorotoluene	13.002	91	341608	49.82	ug/l	97
83) tert-Butylbenzene	13.220	119	354127	52.36	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	420971	52.29	ug/l	98
85) sec-Butylbenzene	13.396	105	505566	52.97	ug/l	99
86) p-Isopropyltoluene	13.508	119	468426	53.73	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	231468	50.97	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	227191	50.55	ug/l	99
89) n-Butylbenzene	13.837	91	436485	53.16	ug/l	99
90) Hexachloroethane	14.108	117	86747	49.96	ug/l	96
91) 1,2-Dichlorobenzene	13.885	146	199641	50.80	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	12431	45.89	ug/l	96
93) 1,2,4-Trichlorobenzene	15.155	180	130424	53.63	ug/l	99
94) Hexachlorobutadiene	15.261	225	74722	53.68	ug/l	96
95) Naphthalene	15.396	128	245814	58.04	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	110191	51.81	ug/l	96

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

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