

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
 Data File : VD068717.D
 Acq On : 30 Mar 2021 00:08
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 7:23:43 PM

Quant Time: Mar 30 01:10:55 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	7.985	168	531077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	914591	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	846806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	404039	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	275419	51.43	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.86%			
35) Dibromofluoromethane	7.920	113	295184	51.87	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.74%			
50) Toluene-d8	10.344	98	1121895	51.14	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.28%			
62) 4-Bromofluorobenzene	12.632	95	374820	52.69	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.38%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	178145	42.92	ug/l	98
3) Chloromethane	2.209	50	238454	46.62	ug/l	99
4) Vinyl Chloride	2.350	62	289440	47.88	ug/l	98
5) Bromomethane	2.768	94	219705	49.18	ug/l	96
6) Chloroethane	2.921	64	198275	50.07	ug/l	99
7) Trichlorofluoromethane	3.273	101	368947	51.20	ug/l	98
8) Diethyl Ether	3.709	74	121852	61.15	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	218785	50.74	ug/l	97
10) Methyl Iodide	4.303	142	244884	48.35	ug/l	97
11) Tert butyl alcohol	5.232	59	64622	261.88	ug/l	99
12) 1,1-Dichloroethene	4.067	96	221649	52.80	ug/l	97
13) Acrolein	3.926	56	55682	274.04	ug/l #	16
14) Allyl chloride	4.720	41	249169	48.86	ug/l	98
15) Acrylonitrile	5.426	53	263276	271.43	ug/l	99
16) Acetone	4.162	43	169418	260.77	ug/l	98
17) Carbon Disulfide	4.409	76	672528	49.90	ug/l	97
18) Methyl Acetate	4.720	43	104620	58.58	ug/l	100
19) Methyl tert-butyl Ether	5.485	73	631974	59.77	ug/l #	81
20) Methylene Chloride	4.967	84	263807	46.90	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	294741	50.50	ug/l	99
22) Diisopropyl ether	6.367	45	673616	51.97	ug/l	98
23) Vinyl Acetate	6.309	43	1794771	260.62	ug/l	100
24) 1,1-Dichloroethane	6.267	63	475159	49.98	ug/l	97
25) 2-Butanone	7.214	43	270001	250.81	ug/l	99
26) 2,2-Dichloropropane	7.214	77	363509	42.98	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	328172	50.46	ug/l	98
28) Bromochloromethane	7.550	49	182114	48.45	ug/l	91
29) Tetrahydrofuran	7.567	42	180070	264.62	ug/l	96
30) Chloroform	7.714	83	532473	51.54	ug/l	97
31) Cyclohexane	7.985	56	399776	46.27	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	442724	48.00	ug/l	97
36) 1,1-Dichloropropene	8.114	75	379918	46.51	ug/l	98
37) Ethyl Acetate	7.297	43	117746	45.67	ug/l #	95
38) Carbon Tetrachloride	8.103	117	377493	46.31	ug/l	97
39) Methylcyclohexane	9.355	83	501970	49.79	ug/l	96
40) Benzene	8.356	78	1290866	54.16	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	61312	40.64	ug/l #	71
42) 1,2-Dichloroethane	8.426	62	320280	51.36	ug/l	99
43) Isopropyl Acetate	8.456	43	269717	54.54	ug/l	97
44) Trichloroethene	9.114	130	335269	50.69	ug/l	92
45) 1,2-Dichloropropane	9.391	63	275158	48.26	ug/l	98
46) Dibromomethane	9.479	93	161810	49.90	ug/l	92
47) Bromodichloromethane	9.667	83	417534	50.20	ug/l	99
48) Methyl methacrylate	9.455	41	115061	45.91	ug/l #	85
49) 1,4-Dioxane	9.455	88	41561	1153.55	ug/l #	91
51) 4-Methyl-2-Pentanone	10.226	43	673756	261.73	ug/l	99
52) Toluene	10.402	92	1295009	85.86	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	375846	49.12	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	446557	49.15	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	233129	51.11	ug/l	98
56) Ethyl methacrylate	10.661	69	265346	53.84	ug/l	100
57) 1,3-Dichloropropane	10.944	76	378033	50.79	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	713101	284.01	ug/l	98
59) 2-Hexanone	10.985	43	452860	262.00	ug/l	98
60) Dibromochloromethane	11.138	129	294436	52.05	ug/l	99
61) 1,2-Dibromoethane	11.244	107	225084	51.13	ug/l	98
64) Tetrachloroethene	10.879	164	264601	48.20	ug/l	95
65) Chlorobenzene	11.667	112	832499	49.95	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.744	131	303698	50.65	ug/l	99
67) Ethyl Benzene	11.744	91	1732070	59.58	ug/l	99
68) m/p-Xylenes	11.855	106	1507722	133.11	ug/l	98
69) o-Xylene	12.179	106	631508	60.16	ug/l	99
70) Styrene	12.196	104	925219	51.28	ug/l	99
71) Bromoform	12.361	173	165839	52.44	ug/l #	98
73) Isopropylbenzene	12.479	105	1391518	50.13	ug/l	100
74) N-amyl acetate	12.285	43	240062	51.88	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	242305	49.40	ug/l	100
76) 1,2,3-Trichloropropane	12.785	75	167550m	49.82	ug/l	
77) Bromobenzene	12.761	156	335944	51.59	ug/l	97
78) n-propylbenzene	12.820	91	1641568	49.67	ug/l	97
79) 2-Chlorotoluene	12.908	91	941094	52.17	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	1211174	53.95	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	70274	47.54	ug/l	97
82) 4-Chlorotoluene	13.002	91	956322	49.63	ug/l	98
83) tert-Butylbenzene	13.220	119	946999	49.50	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	1377047	59.37	ug/l	98
85) sec-Butylbenzene	13.396	105	1300159	46.74	ug/l	98
86) p-Isopropyltoluene	13.514	119	1208811	47.76	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	624505	48.09	ug/l	97
88) 1,4-Dichlorobenzene	13.591	146	616839	48.33	ug/l	99
89) n-Butylbenzene	13.838	91	1104019	45.95	ug/l	98
90) Hexachloroethane	14.108	117	225754	49.57	ug/l	96
91) 1,2-Dichlorobenzene	13.885	146	550679	49.92	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	36782	52.41	ug/l	98
93) 1,2,4-Trichlorobenzene	15.155	180	364692	50.88	ug/l	98
94) Hexachlorobutadiene	15.261	225	189625	46.33	ug/l	98
95) Naphthalene	15.396	128	724768	57.76	ug/l	99
96) 1,2,3-Trichlorobenzene	15.585	180	320947	52.59	ug/l	99

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

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