

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031921\
 Data File : VD068663.D
 Acq On : 19 Mar 2021 14:04
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/22/2021 11:36:56 AM

Quant Time: Mar 20 01:29:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 01:26:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	313955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	533347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	487636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	239766	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	63797	20.12	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.24%#		
35) Dibromofluoromethane	7.920	113	68665	21.06	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	42.12%#		
50) Toluene-d8	10.338	98	261670	20.16	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	40.32%#		
62) 4-Bromofluorobenzene	12.632	95	83060	19.93	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	39.86%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	44319	15.12	ug/l	97
3) Chloromethane	2.209	50	56054	15.13	ug/l	100
4) Vinyl Chloride	2.350	62	65317	14.89	ug/l	100
5) Bromomethane	2.756	94	48841	15.55	ug/l	95
6) Chloroethane	2.915	64	42948	15.06	ug/l	97
7) Trichlorofluoromethane	3.268	101	80417	15.96	ug/l	97
8) Diethyl Ether	3.715	74	22417	15.00	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.091	101	49105	15.99	ug/l	98
10) Methyl Iodide	4.297	142	44843	13.85	ug/l	99
11) Tert butyl alcohol	5.221	59	15159	91.21	ug/l #	90
12) 1,1-Dichloroethene	4.068	96	48390	15.88	ug/l	96
13) Acrolein	3.932	56	16593	76.38	ug/l	95
14) Allyl chloride	4.721	41	57535	14.80	ug/l	99
15) Acrylonitrile	5.426	53	56167	87.26	ug/l	94
16) Acetone	4.156	43	38512	81.18	ug/l	97
17) Carbon Disulfide	4.409	76	144679	14.55	ug/l	99
18) Methyl Acetate	4.715	43	19940	15.81	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	120107	17.75	ug/l	99
20) Methylene Chloride	4.962	84	79717	19.29	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	67218	18.09	ug/l	97
22) Diisopropyl ether	6.362	45	153118	17.49	ug/l	97
23) Vinyl Acetate	6.309	43	387446	84.89	ug/l	99
24) 1,1-Dichloroethane	6.268	63	110048	18.20	ug/l	99
25) 2-Butanone	7.215	43	61460	87.05	ug/l #	86
26) 2,2-Dichloropropane	7.209	77	95106	18.65	ug/l	99
27) cis-1,2-Dichloroethene	7.215	96	73434	17.94	ug/l	98
28) Bromochloromethane	7.550	49	42295	17.79	ug/l	100
29) Tetrahydrofuran	7.567	42	38889	85.06	ug/l	99
30) Chloroform	7.709	83	121748	18.96	ug/l	95
31) Cyclohexane	7.985	56	93890	16.74	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	107453	19.46	ug/l	99
36) 1,1-Dichloropropene	8.114	75	91156	18.11	ug/l	99
37) Ethyl Acetate	7.297	43	29137	17.50	ug/l	99
38) Carbon Tetrachloride	8.097	117	92746	19.46	ug/l	98
39) Methylcyclohexane	9.356	83	110522	17.78	ug/l	98
40) Benzene	8.350	78	269545	18.61	ug/l	94

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41) Methacrylonitrile	7.520	41	16585	16.83	ug/l #	86
42) 1,2-Dichloroethane	8.426	62	72714	19.19	ug/l	97
43) Isopropyl Acetate	8.450	43	57397	18.73	ug/l	97
44) Trichloroethene	9.114	130	74387	18.71	ug/l	98
45) 1,2-Dichloropropane	9.385	63	64878	18.84	ug/l	96
46) Dibromomethane	9.473	93	37571	19.72	ug/l	98
47) Bromodichloromethane	9.661	83	96578	19.78	ug/l	94
48) Methyl methacrylate	9.461	41	29397	18.02	ug/l	95
49) 1,4-Dioxane	9.467	88	7641	354.70	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	146599	91.69	ug/l	97
52) Toluene	10.403	92	169824	18.35	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	87475	19.32	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	103620	18.89	ug/l	97
55) 1,1,2-Trichloroethane	10.803	97	53376	20.42	ug/l	96
56) Ethyl methacrylate	10.661	69	55869	18.61	ug/l	99
57) 1,3-Dichloropropane	10.944	76	85913	18.86	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	135120	88.99	ug/l	99
59) 2-Hexanone	10.985	43	96196	90.04	ug/l	100
60) Dibromochloromethane	11.144	129	63763	19.66	ug/l	98
61) 1,2-Dibromoethane	11.244	107	50124	19.56	ug/l	99
64) Tetrachloroethene	10.879	164	61225	19.11	ug/l	96
65) Chlorobenzene	11.667	112	187878	18.90	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	66830	19.28	ug/l	98
67) Ethyl Benzene	11.744	91	325758	18.44	ug/l	97
68) m/p-Xylenes	11.850	106	257568	38.30	ug/l	98
69) o-Xylene	12.179	106	113798	18.38	ug/l	99
70) Styrene	12.197	104	204327	19.23	ug/l	99
71) Bromoform	12.361	173	35629	20.08	ug/l #	98
73) Isopropylbenzene	12.479	105	316598	17.98	ug/l	100
74) N-amyl acetate	12.285	43	51685	17.26	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.732	83	55479	18.20	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	44456m	20.73	ug/l	
77) Bromobenzene	12.761	156	74381	18.37	ug/l	98
78) n-propylbenzene	12.820	91	381628	18.13	ug/l	99
79) 2-Chlorotoluene	12.908	91	209648	18.02	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	261359	18.16	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	16458	18.08	ug/l	94
82) 4-Chlorotoluene	13.002	91	221886	18.08	ug/l	97
83) tert-Butylbenzene	13.220	119	220747	17.98	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	265218	18.26	ug/l	99
85) sec-Butylbenzene	13.397	105	317912	18.22	ug/l	99
86) p-Isopropyltoluene	13.514	119	290732	18.39	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	150423	19.26	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	145102	18.72	ug/l	98
89) n-Butylbenzene	13.838	91	272316	17.90	ug/l	99
90) Hexachloroethane	14.108	117	54182	18.02	ug/l	98
91) 1,2-Dichlorobenzene	13.885	146	127746	19.06	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	7810	14.89	ug/l	96
93) 1,2,4-Trichlorobenzene	15.161	180	79951	15.91	ug/l	99
94) Hexachlorobutadiene	15.261	225	47716	16.99	ug/l	98
95) Naphthalene	15.396	128	139552	15.29	ug/l	98
96) 1,2,3-Trichlorobenzene	15.591	180	71340	16.29	ug/l	100

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

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