

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031921\
 Data File : VD068665.D
 Acq On : 19 Mar 2021 15:00
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 3/22/2021 11:37:00 AM

Quant Time: Mar 20 01:30:27 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	339248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	568788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	537037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	265899	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	341062	99.52	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 199.04%#			
35) Dibromofluoromethane	7.914	113	362763	104.33	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 208.66%#			
50) Toluene-d8	10.338	98	1461748	105.58	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 211.16%#			
62) 4-Bromofluorobenzene	12.632	95	474498	106.77	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 213.54%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	287570	90.78	ug/l	98
3) Chloromethane	2.209	50	312425	78.03	ug/l	99
4) Vinyl Chloride	2.350	62	394530	83.22	ug/l	100
5) Bromomethane	2.756	94	275566	81.19	ug/l	97
6) Chloroethane	2.915	64	252141	81.83	ug/l	98
7) Trichlorofluoromethane	3.273	101	461511	84.75	ug/l	97
8) Diethyl Ether	3.709	74	136798	84.74	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	286538	86.34	ug/l	97
10) Methyl Iodide	4.303	142	352119	100.64	ug/l	99
11) Tert butyl alcohol	5.226	59	74736	416.16	ug/l	100
12) 1,1-Dichloroethene	4.067	96	278352	84.55	ug/l	93
13) Acrolein	3.926	56	61966	263.96	ug/l	98
14) Allyl chloride	4.720	41	350829	83.54	ug/l	98
15) Acrylonitrile	5.426	53	311332	447.64	ug/l	96
16) Acetone	4.156	43	199427	389.05	ug/l	98
17) Carbon Disulfide	4.414	76	895481	83.35	ug/l	99
18) Methyl Acetate	4.720	43	124504	91.38	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	713734	97.60	ug/l	98
20) Methylene Chloride	4.967	84	342450	76.70	ug/l	93
21) trans-1,2-Dichloroethene	5.473	96	385374	95.97	ug/l	95
22) Diisopropyl ether	6.367	45	860952	91.00	ug/l	98
23) Vinyl Acetate	6.308	43	2361642	478.88	ug/l	99
24) 1,1-Dichloroethane	6.267	63	604758	92.56	ug/l	100
25) 2-Butanone	7.214	43	348595	456.91	ug/l	94
26) 2,2-Dichloropropane	7.208	77	534308	96.94	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	423582	95.77	ug/l	99
28) Bromochloromethane	7.550	49	236821	92.16	ug/l	99
29) Tetrahydrofuran	7.561	42	219831	444.97	ug/l	98
30) Chloroform	7.714	83	652142	94.01	ug/l	100
31) Cyclohexane	7.985	56	554973	91.59	ug/l	98
32) 1,1,1-Trichloroethane	7.902	97	597759	100.16	ug/l	100
36) 1,1-Dichloropropene	8.114	75	532919	99.26	ug/l	99
37) Ethyl Acetate	7.297	43	157218	88.55	ug/l	95
38) Carbon Tetrachloride	8.097	117	526165	103.51	ug/l	98
39) Methylcyclohexane	9.355	83	692530	104.46	ug/l	99
40) Benzene	8.355	78	1552901	100.51	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	90603	86.20	ug/l	88
42) 1,2-Dichloroethane	8.426	62	403291	99.79	ug/l	97
43) Isopropyl Acetate	8.455	43	326119	99.79	ug/l	99
44) Trichloroethene	9.114	130	423219	99.81	ug/l	97
45) 1,2-Dichloropropane	9.391	63	367367	100.03	ug/l	96
46) Dibromomethane	9.479	93	202582	99.68	ug/l	97
47) Bromodichloromethane	9.661	83	530905	101.94	ug/l	100
48) Methyl methacrylate	9.455	41	168491	96.85	ug/l	96
49) 1,4-Dioxane	9.461	88	48216	2098.73	ug/l	89
51) 4-Methyl-2-Pentanone	10.232	43	841815	493.71	ug/l	99
52) Toluene	10.402	92	993225	100.66	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	491763	101.83	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	589733	100.80	ug/l	99
55) 1,1,2-Trichloroethane	10.802	97	287750	103.23	ug/l	98
56) Ethyl methacrylate	10.661	69	336637	105.14	ug/l	100
57) 1,3-Dichloropropane	10.944	76	481072	99.00	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	871793	538.37	ug/l	100
59) 2-Hexanone	10.985	43	568779	499.21	ug/l	99
60) Dibromochloromethane	11.144	129	365257	105.63	ug/l	99
61) 1,2-Dibromoethane	11.243	107	280728	102.72	ug/l	99
64) Tetrachloroethene	10.879	164	350583	99.34	ug/l	98
65) Chlorobenzene	11.673	112	1060959	96.91	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.743	131	383298	100.43	ug/l	99
67) Ethyl Benzene	11.743	91	1933705	99.38	ug/l	98
68) m/p-Xylenes	11.855	106	1514953	204.56	ug/l	99
69) o-Xylene	12.179	106	713094	104.60	ug/l	99
70) Styrene	12.191	104	1243236	106.25	ug/l	99
71) Bromoform	12.361	173	205190	105.03	ug/l #	98
73) Isopropylbenzene	12.479	105	1939641	99.32	ug/l	100
74) N-amyl acetate	12.285	43	321229	96.72	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.732	83	315595	93.33	ug/l	100
76) 1,2,3-Trichloropropane	12.779	75	207570m	87.26	ug/l	
77) Bromobenzene	12.761	156	431679	96.12	ug/l	98
78) n-propylbenzene	12.820	91	2311557	99.01	ug/l	100
79) 2-Chlorotoluene	12.908	91	1223991	94.88	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	1562921	97.90	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	99743	98.78	ug/l	99
82) 4-Chlorotoluene	13.002	91	1293714	95.05	ug/l	98
83) tert-Butylbenzene	13.220	119	1353398	99.39	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	1642721	101.98	ug/l	99
85) sec-Butylbenzene	13.396	105	1948325	100.69	ug/l	100
86) p-Isopropyltoluene	13.514	119	1778712	101.45	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	873238	100.83	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	844993	98.28	ug/l	99
89) n-Butylbenzene	13.837	91	1695555	100.49	ug/l	99
90) Hexachloroethane	14.108	117	330098	98.99	ug/l	100
91) 1,2-Dichlorobenzene	13.885	146	737974	99.27	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	46199	79.44	ug/l	99
93) 1,2,4-Trichlorobenzene	15.155	180	493131	88.50	ug/l	100
94) Hexachlorobutadiene	15.261	225	279901	89.88	ug/l	98
95) Naphthalene	15.396	128	901600	89.10	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	419138	86.30	ug/l	99

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

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