

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031921\
 Data File : VD068667.D
 Acq On : 19 Mar 2021 16:23
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD031921

Manual Integrations
 APPROVED

MMDadoda
 3/22/2021 11:37:03 AM

Quant Time: Mar 20 02:05:42 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	328460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	563763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	527067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	248470	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	181970	54.94	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.88%			
35) Dibromofluoromethane	7.914	113	193069	55.04	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.08%			
50) Toluene-d8	10.344	98	762354	56.37	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.74%			
62) 4-Bromofluorobenzene	12.632	95	247356	56.41	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.82%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	124574	48.52	ug/l	95
3) Chloromethane	2.209	50	166802	52.73	ug/l	96
4) Vinyl Chloride	2.350	62	196867	52.65	ug/l	98
5) Bromomethane	2.768	94	143985	52.11	ug/l	96
6) Chloroethane	2.920	64	129004	52.68	ug/l	95
7) Trichlorofluoromethane	3.273	101	235936	52.93	ug/l	96
8) Diethyl Ether	3.709	74	68542	55.62	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.103	101	141543	53.07	ug/l	99
10) Methyl Iodide	4.303	142	148094	47.36	ug/l	99
11) Tert butyl alcohol	5.226	59	39611	259.54	ug/l #	91
12) 1,1-Dichloroethene	4.073	96	138603	53.38	ug/l	91
13) Acrolein	3.926	56	31862	252.22	ug/l	95
14) Allyl chloride	4.720	41	167385	53.07	ug/l	98
15) Acrylonitrile	5.420	53	162663	271.15	ug/l	97
16) Acetone	4.162	43	97476	242.58	ug/l	99
17) Carbon Disulfide	4.415	76	453205	54.37	ug/l	99
18) Methyl Acetate	4.714	43	62418	56.51	ug/l	98
19) Methyl tert-butyl Ether	5.485	73	362877	55.49	ug/l	95
20) Methylene Chloride	4.973	84	183061	53.51	ug/l	97
21) trans-1,2-Dichloroethene	5.479	96	191092	52.94	ug/l	91
22) Diisopropyl ether	6.361	45	442328	55.17	ug/l	98
23) Vinyl Acetate	6.309	43	1182047	277.52	ug/l	100
24) 1,1-Dichloroethane	6.267	63	311570	52.99	ug/l	98
25) 2-Butanone	7.214	43	179249	269.22	ug/l	95
26) 2,2-Dichloropropane	7.214	77	264579	50.58	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	218090	54.22	ug/l	100
28) Bromochloromethane	7.550	49	129543	55.72	ug/l	98
29) Tetrahydrofuran	7.567	42	114748	272.65	ug/l	99
30) Chloroform	7.714	83	344336	53.89	ug/l	96
31) Cyclohexane	7.985	56	278904	52.19	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	303205	53.15	ug/l	99
36) 1,1-Dichloropropene	8.114	75	267490	53.12	ug/l	99
37) Ethyl Acetate	7.291	43	84302	53.05	ug/l	95
38) Carbon Tetrachloride	8.103	117	263874	52.51	ug/l	97
39) Methylcyclohexane	9.355	83	338806	54.51	ug/l	96
40) Benzene	8.350	78	774175	52.70	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	46476m	49.98	ug/l	
42) 1,2-Dichloroethane	8.426	62	207406	53.95	ug/l	99
43) Isopropyl Acetate	8.455	43	165803	54.40	ug/l	100
44) Trichloroethene	9.114	130	216058	53.00	ug/l	92
45) 1,2-Dichloropropane	9.385	63	184058	52.37	ug/l	97
46) Dibromomethane	9.479	93	105223	52.65	ug/l	96
47) Bromodichloromethane	9.661	83	270787	52.82	ug/l	99
48) Methyl methacrylate	9.455	41	87217	56.46	ug/l	98
49) 1,4-Dioxane	9.467	88	23498	1058.07	ug/l	98
51) 4-Methyl-2-Pentanone	10.232	43	427717	269.55	ug/l	98
52) Toluene	10.402	92	503877	54.20	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	249321	52.87	ug/l	97
54) cis-1,3-Dichloropropene	10.091	75	293035	52.32	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	146126	51.97	ug/l	97
56) Ethyl methacrylate	10.661	69	166700	54.87	ug/l	99
57) 1,3-Dichloropropane	10.949	76	248388	54.14	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	455195	294.11	ug/l	99
59) 2-Hexanone	10.985	43	286740	269.12	ug/l	97
60) Dibromochloromethane	11.144	129	183368	52.59	ug/l	99
61) 1,2-Dibromoethane	11.249	107	142460	52.50	ug/l	99
64) Tetrachloroethene	10.879	164	175787	51.45	ug/l	96
65) Chlorobenzene	11.673	112	540294	52.09	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	191794	51.39	ug/l	100
67) Ethyl Benzene	11.744	91	958498	52.97	ug/l	99
68) m/p-Xylenes	11.849	106	747452	106.02	ug/l	99
69) o-Xylene	12.179	106	348354	53.31	ug/l	99
70) Styrene	12.196	104	611925	54.49	ug/l	99
71) Bromoform	12.361	173	104286	52.98	ug/l #	97
73) Isopropylbenzene	12.479	105	943722	55.28	ug/l	100
74) N-amyl acetate	12.285	43	155582	54.67	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.732	83	159618	52.92	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	108077m	52.26	ug/l	
77) Bromobenzene	12.761	156	216053	53.95	ug/l	98
78) n-propylbenzene	12.820	91	1127121	55.45	ug/l	100
79) 2-Chlorotoluene	12.908	91	610256	55.01	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	761825	55.18	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	50463	55.52	ug/l	99
82) 4-Chlorotoluene	13.002	91	640002	54.01	ug/l	99
83) tert-Butylbenzene	13.220	119	679242	57.73	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	790366	55.41	ug/l	99
85) sec-Butylbenzene	13.396	105	945569	55.28	ug/l	100
86) p-Isopropyltoluene	13.514	119	861969	55.37	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	422767	52.94	ug/l	97
88) 1,4-Dichlorobenzene	13.590	146	412739	52.58	ug/l	99
89) n-Butylbenzene	13.838	91	813153	55.03	ug/l	100
90) Hexachloroethane	14.108	117	159747	57.04	ug/l	100
91) 1,2-Dichlorobenzene	13.885	146	362655	53.45	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	22861	52.97	ug/l	96
93) 1,2,4-Trichlorobenzene	15.155	180	243041	55.14	ug/l	98
94) Hexachlorobutadiene	15.261	225	133520	53.05	ug/l	98
95) Naphthalene	15.396	128	438421	56.81	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	205751	54.82	ug/l	98

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

