

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011221\
 Data File : VD068058.D
 Acq On : 12 Jan 2021 16:45
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD011221

Manual Integrations
 APPROVED

MMDadoda
 1/13/2021 4:37:59 PM

Quant Time: Jan 13 04:00:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 13 03:57:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	550817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	876930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	805967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	388246	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	224891	48.02	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.04%		
35) Dibromofluoromethane	7.920	113	248628	49.74	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.48%		
50) Toluene-d8	10.344	98	863708	46.88	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.76%		
62) 4-Bromofluorobenzene	12.632	95	315487	48.88	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.76%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	237830	48.67	ug/l	95
3) Chloromethane	2.209	50	211909	46.97	ug/l	96
4) Vinyl Chloride	2.350	62	232580	47.11	ug/l	100
5) Bromomethane	2.773	94	188630	49.08	ug/l	96
6) Chloroethane	2.926	64	147082	47.44	ug/l	99
7) Trichlorofluoromethane	3.279	101	457164	46.86	ug/l	99
8) Diethyl Ether	3.714	74	122066	52.12	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.097	101	250363	47.15	ug/l	98
10) Methyl Iodide	4.309	142	286085	52.58	ug/l	97
11) Tert butyl alcohol	5.220	59	74896	265.66	ug/l #	87
12) 1,1-Dichloroethene	4.073	96	239340	47.57	ug/l	98
13) Acrolein	3.932	56	91559	249.84	ug/l	99
14) Allyl chloride	4.720	41	296483	50.61	ug/l	99
15) Acrylonitrile	5.426	53	237128	262.77	ug/l	99
16) Acetone	4.162	43	171464	230.99	ug/l	90
17) Carbon Disulfide	4.414	76	703260	47.08	ug/l	100
18) Methyl Acetate	4.720	43	101047	52.06	ug/l	94
19) Methyl tert-butyl Ether	5.485	73	545512	52.95	ug/l	96
20) Methylene Chloride	4.973	84	297162	50.76	ug/l	97
21) trans-1,2-Dichloroethene	5.479	96	283483	50.28	ug/l	99
22) Diisopropyl ether	6.367	45	620222	53.23	ug/l	97
23) Vinyl Acetate	6.308	43	1706879	280.84	ug/l	98
24) 1,1-Dichloroethane	6.267	63	438691	49.72	ug/l	98
25) 2-Butanone	7.214	43	252358	265.66	ug/l	95
26) 2,2-Dichloropropane	7.214	77	406857	46.41	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	313169	51.46	ug/l	98
28) Bromochloromethane	7.550	49	143379	48.55	ug/l	98
29) Tetrahydrofuran	7.567	42	165865	272.52	ug/l	99
30) Chloroform	7.714	83	499400	49.84	ug/l	97
31) Cyclohexane	7.991	56	363435	46.54	ug/l	99
32) 1,1,1-Trichloroethane	7.908	97	468560	48.26	ug/l	99
36) 1,1-Dichloropropene	8.114	75	364966	47.36	ug/l	99
37) Ethyl Acetate	7.297	43	121328	51.54	ug/l	96
38) Carbon Tetrachloride	8.097	117	426891	46.47	ug/l	99
39) Methylcyclohexane	9.355	83	447618	48.18	ug/l	98
40) Benzene	8.355	78	1079525	49.84	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	66215m	50.02	ug/l	
42) 1,2-Dichloroethane	8.432	62	295582	48.53	ug/l	100
43) Isopropyl Acetate	8.455	43	235035	53.08	ug/l	98
44) Trichloroethene	9.120	130	319538	48.06	ug/l	91
45) 1,2-Dichloropropane	9.391	63	249859	50.41	ug/l	91
46) Dibromomethane	9.473	93	142868	48.95	ug/l	98
47) Bromodichloromethane	9.667	83	384091	48.62	ug/l	98
48) Methyl methacrylate	9.461	41	123319	53.83	ug/l	96
49) 1,4-Dioxane	9.461	88	33928	1082.74	ug/l	98
51) 4-Methyl-2-Pentanone	10.232	43	599313	270.18	ug/l	99
52) Toluene	10.408	92	708545	48.80	ug/l	98
53) t-1,3-Dichloropropene	10.626	75	345582	49.81	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	414539	50.12	ug/l	99
55) 1,1,2-Trichloroethane	10.802	97	203425	49.16	ug/l	96
56) Ethyl methacrylate	10.661	69	234116	54.88	ug/l	98
57) 1,3-Dichloropropane	10.949	76	335616	50.74	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	546632	255.79	ug/l	99
59) 2-Hexanone	10.991	43	414173	268.99	ug/l	98
60) Dibromochloromethane	11.143	129	279525	49.26	ug/l	99
61) 1,2-Dibromoethane	11.249	107	201599	50.99	ug/l	99
64) Tetrachloroethene	10.879	164	265095	46.32	ug/l	98
65) Chlorobenzene	11.673	112	773700	48.77	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.743	131	301097	49.96	ug/l	98
67) Ethyl Benzene	11.749	91	1348703	49.24	ug/l	99
68) m/p-Xylenes	11.855	106	1064199	99.52	ug/l	98
69) o-Xylene	12.185	106	484613	50.05	ug/l	95
70) Styrene	12.196	104	829225	49.55	ug/l	99
71) Bromoform	12.361	173	160232	49.86	ug/l #	99
73) Isopropylbenzene	12.479	105	1330946	50.25	ug/l	100
74) N-amyl acetate	12.290	43	218876	53.18	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.732	83	211682	50.73	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	161130m	52.38	ug/l	
77) Bromobenzene	12.761	156	318724	49.83	ug/l	99
78) n-propylbenzene	12.820	91	1524958	49.12	ug/l	100
79) 2-Chlorotoluene	12.908	91	885918	50.27	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	1138848	50.05	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	71225	51.95	ug/l	94
82) 4-Chlorotoluene	13.008	91	912660	48.67	ug/l	100
83) tert-Butylbenzene	13.226	119	951189	49.73	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	1116500	50.11	ug/l	98
85) sec-Butylbenzene	13.402	105	1304142	48.64	ug/l	100
86) p-Isopropyltoluene	13.514	119	1235891	49.67	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	600345	48.66	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	596052	47.87	ug/l	99
89) n-Butylbenzene	13.843	91	1096063	48.94	ug/l	99
90) Hexachloroethane	14.108	117	227835	47.30	ug/l	96
91) 1,2-Dichlorobenzene	13.890	146	529254	49.42	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	35246	52.15	ug/l	93
93) 1,2,4-Trichlorobenzene	15.161	180	360167	49.38	ug/l	99
94) Hexachlorobutadiene	15.267	225	219798	47.09	ug/l	98
95) Naphthalene	15.402	128	648368	53.61	ug/l	100
96) 1,2,3-Trichlorobenzene	15.596	180	325515	51.97	ug/l	98

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

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