

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020421\
 Data File : VD068293.D
 Acq On : 04 Feb 2021 22:45
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/5/2021 10:50:38 AM

Quant Time: Feb 05 00:08:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	290112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	541486	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	502226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	233344	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	142357	51.30	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	102.60%		
35) Dibromofluoromethane	7.920	113	147031	49.11	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.22%		
50) Toluene-d8	10.343	98	527098	44.02	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.04%		
62) 4-Bromofluorobenzene	12.632	95	195677	45.38	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.76%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	141998	41.20	ug/l	99
3) Chloromethane	2.209	50	203135	54.73	ug/l	97
4) Vinyl Chloride	2.350	62	223846	54.23	ug/l	98
5) Bromomethane	2.773	94	157424	55.61	ug/l	97
6) Chloroethane	2.920	64	153339	60.81	ug/l	99
7) Trichlorofluoromethane	3.279	101	255598	47.17	ug/l	99
8) Diethyl Ether	3.709	74	89709	56.23	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.103	101	155665	49.26	ug/l	93
10) Methyl Iodide	4.303	142	170744	48.28	ug/l	94
11) Tert butyl alcohol	5.226	59	50840	187.85	ug/l	99
12) 1,1-Dichloroethene	4.067	96	157389	49.52	ug/l	93
13) Acrolein	3.926	56	52579	240.42	ug/l	99
14) Allyl chloride	4.720	41	234301	50.68	ug/l	97
15) Acrylonitrile	5.420	53	201406	318.71	ug/l	99
16) Acetone	4.161	43	129304	260.94	ug/l	97
17) Carbon Disulfide	4.414	76	491650	48.03	ug/l	99
18) Methyl Acetate	4.720	43	88633	68.92	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	412106	56.08	ug/l #	89
20) Methylene Chloride	4.967	84	205100	60.11	ug/l #	87
21) trans-1,2-Dichloroethene	5.473	96	195167	53.49	ug/l	98
22) Diisopropyl ether	6.367	45	532809	57.11	ug/l #	91
23) Vinyl Acetate	6.308	43	1414814	284.51	ug/l	98
24) 1,1-Dichloroethane	6.267	63	343471	56.82	ug/l	99
25) 2-Butanone	7.214	43	213083	285.58	ug/l	99
26) 2,2-Dichloropropane	7.208	77	264088	46.18	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	223244	56.35	ug/l	94
28) Bromochloromethane	7.550	49	115889	56.27	ug/l #	77
29) Tetrahydrofuran	7.561	42	143396	296.47	ug/l	94
30) Chloroform	7.714	83	356824	58.42	ug/l	97
31) Cyclohexane	7.985	56	264563	44.03	ug/l	92
32) 1,1,1-Trichloroethane	7.908	97	289627	52.61	ug/l	95
36) 1,1-Dichloropropene	8.114	75	258526	47.34	ug/l	96
37) Ethyl Acetate	7.297	43	100779	52.18	ug/l	98
38) Carbon Tetrachloride	8.097	117	238748	46.71	ug/l	96
39) Methylcyclohexane	9.355	83	305653	42.81	ug/l	97
40) Benzene	8.355	78	790951	51.80	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	68264	58.56	ug/l	89
42) 1,2-Dichloroethane	8.426	62	219959	53.92	ug/l	98
43) Isopropyl Acetate	8.455	43	202731	50.36	ug/l	96
44) Trichloroethene	9.114	130	207458	49.48	ug/l	98
45) 1,2-Dichloropropane	9.391	63	200027	53.50	ug/l	97
46) Dibromomethane	9.479	93	106258	56.09	ug/l	93
47) Bromodichloromethane	9.667	83	274883	53.77	ug/l	99
48) Methyl methacrylate	9.455	41	96253	48.04	ug/l	92
49) 1,4-Dioxane	9.467	88	23771	1070.72	ug/l #	86
51) 4-Methyl-2-Pentanone	10.232	43	517450	276.54	ug/l	97
52) Toluene	10.408	92	509997	51.27	ug/l	97
53) t-1,3-Dichloropropene	10.626	75	262116	50.66	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	312639	50.76	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	150090	55.90	ug/l	91
56) Ethyl methacrylate	10.661	69	186235	52.07	ug/l	97
57) 1,3-Dichloropropane	10.949	76	264786	55.89	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.943	63	452954	274.45	ug/l	91
59) 2-Hexanone	10.985	43	342850	264.33	ug/l	98
60) Dibromochloromethane	11.143	129	178353	52.98	ug/l	98
61) 1,2-Dibromoethane	11.249	107	142766	53.89	ug/l	98
64) Tetrachloroethene	10.879	164	159818	45.15	ug/l	98
65) Chlorobenzene	11.673	112	538850	50.50	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.743	131	193285	51.49	ug/l	98
67) Ethyl Benzene	11.743	91	970444	49.12	ug/l	96
68) m/p-Xylenes	11.855	106	725233	97.23	ug/l	97
69) o-Xylene	12.179	106	339984	49.08	ug/l	98
70) Styrene	12.196	104	593808	50.22	ug/l	99
71) Bromoform	12.361	173	96703	50.83	ug/l #	99
73) Isopropylbenzene	12.479	105	911736	46.96	ug/l	100
74) N-amyl acetate	12.290	43	188037	46.59	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.732	83	166706	53.98	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	122873m	54.46	ug/l	
77) Bromobenzene	12.761	156	201618	48.43	ug/l	85
78) n-propylbenzene	12.820	91	1085739	47.26	ug/l	97
79) 2-Chlorotoluene	12.908	91	618728	47.97	ug/l	96
80) 1,3,5-Trimethylbenzene	12.961	105	760651	47.04	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	51296	46.01	ug/l	96
82) 4-Chlorotoluene	13.002	91	646135	48.18	ug/l	97
83) tert-Butylbenzene	13.226	119	638322	46.58	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	761163	47.42	ug/l	98
85) sec-Butylbenzene	13.402	105	891760	46.53	ug/l	97
86) p-Isopropyltoluene	13.514	119	803970	46.12	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	398559	49.80	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	389558	49.40	ug/l	98
89) n-Butylbenzene	13.843	91	760234	45.44	ug/l	98
90) Hexachloroethane	14.108	117	149474	47.47	ug/l	89
91) 1,2-Dichlorobenzene	13.890	146	345883	50.45	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	24721	48.91	ug/l	85
93) 1,2,4-Trichlorobenzene	15.161	180	225022	47.88	ug/l	98
94) Hexachlorobutadiene	15.267	225	118480	45.47	ug/l	98
95) Naphthalene	15.396	128	455573	51.70	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	196670	49.61	ug/l	98

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

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