

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021221\
 Data File : VD068356.D
 Acq On : 12 Feb 2021 12:58
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 2/15/2021 10:25:30 AM

Quant Time: Feb 12 13:13:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 12 12:57:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	435367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	756989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	696816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	318010	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	709553	166.60	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 333.20%#			
35) Dibromofluoromethane	7.920	113	709112	165.55	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 331.10%#			
50) Toluene-d8	10.343	98	2919734	168.27	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 336.54%#			
62) 4-Bromofluorobenzene	12.631	95	937659	154.37	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 308.74%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	526432	107.02	ug/l	97
3) Chloromethane	2.208	50	641485	119.09	ug/l	99
4) Vinyl Chloride	2.350	62	797030	132.28	ug/l	100
5) Bromomethane	2.750	94	572654	138.01	ug/l	99
6) Chloroethane	2.914	64	525697	141.39	ug/l	97
7) Trichlorofluoromethane	3.273	101	976535	124.30	ug/l	98
8) Diethyl Ether	3.714	74	308851	133.13	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	595596	129.34	ug/l	94
10) Methyl Iodide	4.303	142	687542	158.29	ug/l	94
11) Tert butyl alcohol	5.232	59	166817	308.49	ug/l	96
12) 1,1-Dichloroethene	4.067	96	588657	127.77	ug/l	97
13) Acrolein	3.926	56	210295	651.70	ug/l	99
14) Allyl chloride	4.720	41	792911	120.10	ug/l	97
15) Acrylonitrile	5.426	53	674150	729.57	ug/l	99
16) Acetone	4.161	43	513647	704.76	ug/l	94
17) Carbon Disulfide	4.408	76	1666928	114.43	ug/l	98
18) Methyl Acetate	4.720	43	282806	149.18	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	1426795	134.38	ug/l	92
20) Methylene Chloride	4.967	84	692639	118.53	ug/l	92
21) trans-1,2-Dichloroethene	5.479	96	684749	129.12	ug/l	92
22) Diisopropyl ether	6.367	45	1815589	134.63	ug/l	94
23) Vinyl Acetate	6.308	43	5101674	712.72	ug/l	99
24) 1,1-Dichloroethane	6.267	63	1194900	135.40	ug/l	99
25) 2-Butanone	7.214	43	750891	691.38	ug/l	98
26) 2,2-Dichloropropane	7.214	77	1040656	126.41	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	811611	140.44	ug/l	96
28) Bromochloromethane	7.549	49	519566	164.15	ug/l #	79
29) Tetrahydrofuran	7.561	42	473895	676.76	ug/l	99
30) Chloroform	7.714	83	1246365	139.10	ug/l	98
31) Cyclohexane	7.985	56	977569	113.38	ug/l	91
32) 1,1,1-Trichloroethane	7.908	97	1076716	134.19	ug/l	96
36) 1,1-Dichloropropene	8.114	75	951128	128.72	ug/l	96
37) Ethyl Acetate	7.296	43	351346	134.57	ug/l	97
38) Carbon Tetrachloride	8.096	117	927375	133.72	ug/l	95
39) Methylcyclohexane	9.361	83	1173142	122.71	ug/l	99
40) Benzene	8.355	78	2780938	134.08	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	190537m	121.84	ug/l	
42) 1,2-Dichloroethane	8.426	62	753405	135.88	ug/l	98
43) Isopropyl Acetate	8.455	43	681251	126.49	ug/l	97
44) Trichloroethene	9.114	130	747333	131.35	ug/l	99
45) 1,2-Dichloropropane	9.390	63	692794	136.53	ug/l	96
46) Dibromomethane	9.479	93	373580	144.38	ug/l	92
47) Bromodichloromethane	9.667	83	981881	140.71	ug/l	99
48) Methyl methacrylate	9.461	41	348234	131.92	ug/l	97
49) 1,4-Dioxane	9.467	88	89140	2914.77	ug/l	96
51) 4-Methyl-2-Pentanone	10.232	43	1741830	688.09	ug/l	100
52) Toluene	10.408	92	1822610	135.14	ug/l	96
53) t-1,3-Dichloropropene	10.626	75	931136	133.48	ug/l	99
54) cis-1,3-Dichloropropene	10.090	75	1116870	134.12	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	529129	144.10	ug/l	95
56) Ethyl methacrylate	10.661	69	663724	137.36	ug/l	97
57) 1,3-Dichloropropane	10.949	76	907525	140.58	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.943	63	1729267	749.96	ug/l	93
59) 2-Hexanone	10.985	43	1190677	679.41	ug/l	100
60) Dibromochloromethane	11.143	129	663060	144.31	ug/l	100
61) 1,2-Dibromoethane	11.249	107	510306	141.34	ug/l	100
64) Tetrachloroethene	10.879	164	591335	124.33	ug/l	96
65) Chlorobenzene	11.673	112	1932236	134.00	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	698643	138.01	ug/l	97
67) Ethyl Benzene	11.743	91	3550223	133.34	ug/l	99
68) m/p-Xylenes	11.855	106	2680249	266.95	ug/l	100
69) o-Xylene	12.179	106	1262885	135.28	ug/l	97
70) Styrene	12.196	104	2193774	137.81	ug/l	99
71) Bromoform	12.361	173	361463	140.17	ug/l #	99
73) Isopropylbenzene	12.479	105	3377085	130.98	ug/l	99
74) N-amyl acetate	12.290	43	666905	126.82	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.731	83	588842	142.37	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	446900m	150.18	ug/l	
77) Bromobenzene	12.761	156	747643	135.12	ug/l	88
78) n-propylbenzene	12.820	91	3971212	130.07	ug/l	98
79) 2-Chlorotoluene	12.908	91	2234149	130.59	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	2769003	129.11	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	190881	130.63	ug/l	96
82) 4-Chlorotoluene	13.002	91	2385664	133.92	ug/l	97
83) tert-Butylbenzene	13.220	119	2392095	131.55	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	2769842	130.10	ug/l	98
85) sec-Butylbenzene	13.402	105	3321407	129.94	ug/l	98
86) p-Isopropyltoluene	13.514	119	3027010	130.63	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	1454808	136.21	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	1423433	135.56	ug/l	99
89) n-Butylbenzene	13.843	91	2907507	130.75	ug/l	98
90) Hexachloroethane	14.108	117	563235	135.31	ug/l	90
91) 1,2-Dichlorobenzene	13.884	146	1252508	136.97	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	87450	130.49	ug/l	90
93) 1,2,4-Trichlorobenzene	15.161	180	846280	135.59	ug/l	99
94) Hexachlorobutadiene	15.267	225	450809	129.99	ug/l	100
95) Naphthalene	15.396	128	1644801	140.29	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	723675	136.80	ug/l	99

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

