

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020421\
 Data File : VD068276.D
 Acq On : 04 Feb 2021 14:24
 Operator : VA/SY
 Sample : VD0204SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0204SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2021 10:50:29 AM

Quant Time: Feb 05 00:03:00 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	7.985	168	333240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	608150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	557732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	253125	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	5347	1.68	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	3.36%#		
35) Dibromofluoromethane	7.920	113	5015	1.49	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	2.98%#		
50) Toluene-d8	10.344	98	21816	1.62	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	3.24%#		
62) 4-Bromofluorobenzene	12.632	95	9741	2.01	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	4.02%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	78509	19.83	ug/l	93
3) Chloromethane	2.209	50	101365	23.78	ug/l	98
4) Vinyl Chloride	2.350	62	110325	23.27	ug/l	98
5) Bromomethane	2.762	94	79746	24.52	ug/l	91
6) Chloroethane	2.926	64	70745	24.42	ug/l	98
7) Trichlorofluoromethane	3.273	101	130157	20.91	ug/l	96
8) Diethyl Ether	3.714	74	38278	20.89	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	77837	21.44	ug/l	92
10) Methyl Iodide	4.309	142	70348	19.35	ug/l	93
11) Tert butyl alcohol	5.220	59	27510	42.06	ug/l	97
12) 1,1-Dichloroethene	4.067	96	76783	21.03	ug/l	98
13) Acrolein	3.926	56	25332	100.84	ug/l	97
14) Allyl chloride	4.720	41	110457	20.80	ug/l	98
15) Acrylonitrile	5.426	53	85722	118.09	ug/l	99
16) Acetone	4.156	43	60019	105.44	ug/l	93
17) Carbon Disulfide	4.409	76	232798	19.80	ug/l	100
18) Methyl Acetate	4.714	43	36773	24.89	ug/l	90
19) Methyl tert-butyl Ether	5.479	73	184344	21.84	ug/l #	92
20) Methylene Chloride	4.967	84	99359	22.83	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	90864	21.68	ug/l	96
22) Diisopropyl ether	6.361	45	241628	22.55	ug/l #	94
23) Vinyl Acetate	6.308	43	630830	110.44	ug/l	94
24) 1,1-Dichloroethane	6.267	63	159059	22.91	ug/l	96
25) 2-Butanone	7.214	43	92585	108.03	ug/l	98
26) 2,2-Dichloropropane	7.208	77	129924	19.78	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	104130	22.88	ug/l	93
28) Bromochloromethane	7.550	49	183148	77.42	ug/l #	77
29) Tetrahydrofuran	7.561	42	62907	113.23	ug/l	93
30) Chloroform	7.714	83	162512	23.16	ug/l	99
31) Cyclohexane	7.985	56	136503	19.78	ug/l	94
32) 1,1,1-Trichloroethane	7.902	97	134910	21.34	ug/l	96
36) 1,1-Dichloropropene	8.114	75	123672	20.17	ug/l	96
37) Ethyl Acetate	7.291	43	44465	20.50	ug/l	98
38) Carbon Tetrachloride	8.097	117	114423	19.93	ug/l	95
39) Methylcyclohexane	9.361	83	149573	18.66	ug/l	99
40) Benzene	8.355	78	363274	21.19	ug/l	93

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41) Methacrylonitrile	7.520	41	25416	19.41	ug/l	96
42) 1,2-Dichloroethane	8.426	62	97844	21.36	ug/l	98
43) Isopropyl Acetate	8.455	43	87460	19.35	ug/l	96
44) Trichloroethene	9.114	130	97655	20.74	ug/l	98
45) 1,2-Dichloropropane	9.391	63	90505	21.55	ug/l	94
46) Dibromomethane	9.479	93	46971	22.08	ug/l	93
47) Bromodichloromethane	9.667	83	125058	21.78	ug/l	98
48) Methyl methacrylate	9.461	41	40796	18.13	ug/l	90
49) 1,4-Dioxane	9.467	88	10901	437.19	ug/l #	90
51) 4-Methyl-2-Pentanone	10.232	43	215460	102.53	ug/l	96
52) Toluene	10.408	92	233537	20.90	ug/l	97
53) t-1,3-Dichloropropene	10.626	75	116843	20.11	ug/l	97
54) cis-1,3-Dichloropropene	10.091	75	142406	20.59	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	64326	21.33	ug/l	92
56) Ethyl methacrylate	10.661	69	79396	19.77	ug/l	96
57) 1,3-Dichloropropane	10.944	76	115549	21.72	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	213210	115.03	ug/l	92
59) 2-Hexanone	10.985	43	142958	98.14	ug/l	99
60) Dibromochloromethane	11.144	129	79338	20.98	ug/l	100
61) 1,2-Dibromoethane	11.249	107	62015	20.84	ug/l	96
64) Tetrachloroethene	10.879	164	76017	19.34	ug/l	96
65) Chlorobenzene	11.673	112	244740	20.65	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	85635	20.54	ug/l	97
67) Ethyl Benzene	11.743	91	450794	20.54	ug/l	98
68) m/p-Xylenes	11.855	106	336784	40.66	ug/l	99
69) o-Xylene	12.185	106	154564	20.09	ug/l	98
70) Styrene	12.196	104	269386	20.51	ug/l	99
71) Bromoform	12.361	173	43427	20.55	ug/l #	99
73) Isopropylbenzene	12.479	105	420877	19.98	ug/l	100
74) N-amyl acetate	12.290	43	79790	18.23	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.732	83	73271	21.87	ug/l	96
76) 1,2,3-Trichloropropane	12.779	75	52814m	21.58	ug/l	
77) Bromobenzene	12.761	156	93208	20.64	ug/l	88
78) n-propylbenzene	12.820	91	502071	20.15	ug/l	97
79) 2-Chlorotoluene	12.908	91	281306	20.11	ug/l	96
80) 1,3,5-Trimethylbenzene	12.961	105	347357	19.80	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.532	75	22031	18.22	ug/l	95
82) 4-Chlorotoluene	13.008	91	299351	20.58	ug/l	96
83) tert-Butylbenzene	13.226	119	298412	20.08	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	346049	19.87	ug/l	98
85) sec-Butylbenzene	13.402	105	410953	19.76	ug/l	98
86) p-Isopropyltoluene	13.514	119	372873	19.72	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	179485	20.67	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	176551	20.64	ug/l	97
89) n-Butylbenzene	13.843	91	357851	19.72	ug/l	97
90) Hexachloroethane	14.108	117	67014	19.62	ug/l	89
91) 1,2-Dichlorobenzene	13.890	146	154415	20.76	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.508	75	9674	17.64	ug/l	89
93) 1,2,4-Trichlorobenzene	15.161	180	101417	19.89	ug/l	98
94) Hexachlorobutadiene	15.267	225	53939	19.08	ug/l	99
95) Naphthalene	15.402	128	190724	19.95	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	87785	20.41	ug/l	96

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

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