

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030221\
 Data File : VD068488.D
 Acq On : 02 Mar 2021 11:20
 Operator : VA/SY
 Sample : VD0302SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0302SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/3/2021 11:00:01 AM

Quant Time: Mar 02 23:55:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	310500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	525910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	482388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	225791	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	147096	47.41	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.82%		
35) Dibromofluoromethane	7.920	113	154880	48.89	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.78%		
50) Toluene-d8	10.338	98	606969	48.10	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.20%		
62) 4-Bromofluorobenzene	12.632	95	197252	48.50	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.00%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	58827	19.52	ug/l	88
3) Chloromethane	2.209	50	73086	19.19	ug/l	98
4) Vinyl Chloride	2.350	62	85450	18.90	ug/l	99
5) Bromomethane	2.756	94	62931	19.55	ug/l	90
6) Chloroethane	2.915	64	54858	18.76	ug/l	96
7) Trichlorofluoromethane	3.267	101	102621	19.89	ug/l	97
8) Diethyl Ether	3.714	74	28070	18.28	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	63027	20.06	ug/l	93
10) Methyl Iodide	4.309	142	57737	17.18	ug/l	96
11) Tert butyl alcohol	5.226	59	15785	95.30	ug/l	99
12) 1,1-Dichloroethene	4.067	96	60829	19.51	ug/l	96
13) Acrolein	3.920	56	20984	88.64	ug/l	98
14) Allyl chloride	4.714	41	71469	17.75	ug/l	95
15) Acrylonitrile	5.426	53	61175	94.38	ug/l	97
16) Acetone	4.162	43	47326	96.04	ug/l	90
17) Carbon Disulfide	4.414	76	194576	19.05	ug/l	99
18) Methyl Acetate	4.714	43	24316	19.14	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	126646	18.73	ug/l	93
20) Methylene Chloride	4.967	84	76603	18.13	ug/l	86
21) trans-1,2-Dichloroethene	5.473	96	71939	19.32	ug/l	94
22) Diisopropyl ether	6.361	45	162065	18.28	ug/l	96
23) Vinyl Acetate	6.303	43	419873	91.28	ug/l	95
24) 1,1-Dichloroethane	6.267	63	116561	19.18	ug/l	100
25) 2-Butanone	7.214	43	64540	91.11	ug/l	100
26) 2,2-Dichloropropane	7.214	77	94862	18.74	ug/l	96
27) cis-1,2-Dichloroethene	7.220	96	79838	19.53	ug/l	100
28) Bromochloromethane	7.555	49	42562	17.94	ug/l	83
29) Tetrahydrofuran	7.567	42	42326	92.02	ug/l	99
30) Chloroform	7.708	83	123845	19.30	ug/l	95
31) Cyclohexane	7.985	56	106855	18.94	ug/l	94
32) 1,1,1-Trichloroethane	7.902	97	108868	19.87	ug/l	95
36) 1,1-Dichloropropene	8.114	75	98340	19.67	ug/l	97
37) Ethyl Acetate	7.297	43	30685	18.50	ug/l	94
38) Carbon Tetrachloride	8.097	117	93230	19.85	ug/l	98
39) Methylcyclohexane	9.355	83	119796	19.43	ug/l	94
40) Benzene	8.350	78	282537	19.70	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	19068m	19.81	ug/l	
42) 1,2-Dichloroethane	8.426	62	74727	19.82	ug/l	97
43) Isopropyl Acetate	8.455	43	56758	18.62	ug/l	98
44) Trichloroethene	9.114	130	77747	19.75	ug/l	94
45) 1,2-Dichloropropane	9.391	63	67060	19.56	ug/l	97
46) Dibromomethane	9.479	93	37573	20.15	ug/l	93
47) Bromodichloromethane	9.661	83	93529	19.39	ug/l	97
48) Methyl methacrylate	9.455	41	27925	17.19	ug/l	88
49) 1,4-Dioxane	9.461	88	8708	409.44	ug/l	95
51) 4-Methyl-2-Pentanone	10.232	43	153302	96.10	ug/l	97
52) Toluene	10.402	92	181640	19.84	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	87459	19.62	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	105293	19.36	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	51095	19.80	ug/l	95
56) Ethyl methacrylate	10.661	69	56075	18.90	ug/l	98
57) 1,3-Dichloropropane	10.944	76	88927	19.74	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	141628	95.16	ug/l	93
59) 2-Hexanone	10.985	43	104099	97.90	ug/l	98
60) Dibromochloromethane	11.138	129	64628	20.23	ug/l	99
61) 1,2-Dibromoethane	11.249	107	49613	19.64	ug/l	97
64) Tetrachloroethene	10.873	164	63878	20.28	ug/l	93
65) Chlorobenzene	11.673	112	194941	19.84	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	67772	19.85	ug/l	99
67) Ethyl Benzene	11.743	91	343445	19.59	ug/l	99
68) m/p-Xylenes	11.849	106	257806	38.71	ug/l	98
69) o-Xylene	12.179	106	120149	19.59	ug/l	92
70) Styrene	12.196	104	205967	19.64	ug/l	98
71) Bromoform	12.355	173	35804	20.64	ug/l #	99
73) Isopropylbenzene	12.479	105	324371	19.37	ug/l	99
74) N-amyl acetate	12.291	43	52568	18.43	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	57603	19.99	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	39217m	19.56	ug/l	
77) Bromobenzene	12.761	156	73539	19.24	ug/l	89
78) n-propylbenzene	12.820	91	392832	19.63	ug/l	98
79) 2-Chlorotoluene	12.908	91	213337	19.21	ug/l	100
80) 1,3,5-Trimethylbenzene	12.961	105	270484	19.71	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	16988	19.78	ug/l	94
82) 4-Chlorotoluene	13.002	91	224908	19.25	ug/l	100
83) tert-Butylbenzene	13.220	119	232338	19.88	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	267874	19.49	ug/l	97
85) sec-Butylbenzene	13.396	105	322975	19.57	ug/l	100
86) p-Isopropyltoluene	13.514	119	292251	19.50	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	145973	19.78	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	145642	19.92	ug/l	99
89) n-Butylbenzene	13.843	91	283772	19.63	ug/l	96
90) Hexachloroethane	14.108	117	61073	20.51	ug/l	93
91) 1,2-Dichlorobenzene	13.885	146	133866	21.15	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	9313	18.34	ug/l	94
93) 1,2,4-Trichlorobenzene	15.155	180	99645	20.38	ug/l	99
94) Hexachlorobutadiene	15.267	225	54563	20.10	ug/l	99
95) Naphthalene	15.396	128	172557	19.49	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	84533	19.97	ug/l	99

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

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