

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033021\
 Data File : VD068721.D
 Acq On : 30 Mar 2021 11:45
 Operator : VA/SY
 Sample : VD0330SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0330SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/31/2021 4:21:10 PM

Quant Time: Mar 31 00:59:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	485629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	782979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	723451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	343084	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	245409	50.12	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.24%			
35) Dibromofluoromethane	7.914	113	267208	54.85	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.70%			
50) Toluene-d8	10.338	98	1041922	55.47	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.94%			
62) 4-Bromofluorobenzene	12.632	95	342139	56.18	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	64001	16.86	ug/l	97
3) Chloromethane	2.209	50	69286	14.81	ug/l	96
4) Vinyl Chloride	2.350	62	87874	15.90	ug/l	100
5) Bromomethane	2.756	94	72269	17.69	ug/l	99
6) Chloroethane	2.915	64	61279	16.92	ug/l	99
7) Trichlorofluoromethane	3.273	101	125532	19.05	ug/l	96
8) Diethyl Ether	3.709	74	35048	19.23	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	82981	21.04	ug/l	98
10) Methyl Iodide	4.297	142	73972	18.29	ug/l	97
11) Tert butyl alcohol	5.238	59	17977	79.67	ug/l #	93
12) 1,1-Dichloroethene	4.062	96	77102	20.09	ug/l	96
13) Acrolein	3.926	56	20414	99.33	ug/l	97
14) Allyl chloride	4.720	41	85203	18.27	ug/l	97
15) Acrylonitrile	5.420	53	77887	87.81	ug/l	97
16) Acetone	4.162	43	58543	98.54	ug/l	96
17) Carbon Disulfide	4.409	76	221961	18.01	ug/l	98
18) Methyl Acetate	4.714	43	29198	17.88	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	182153	18.84	ug/l	93
20) Methylene Chloride	4.967	84	102480	15.74	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	96424	18.07	ug/l	97
22) Diisopropyl ether	6.361	45	210909	17.79	ug/l	96
23) Vinyl Acetate	6.303	43	521954	82.89	ug/l	97
24) 1,1-Dichloroethane	6.261	63	160268	18.43	ug/l	99
25) 2-Butanone	7.214	43	79432	80.69	ug/l	97
26) 2,2-Dichloropropane	7.208	77	142498	18.42	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	106695	17.94	ug/l	97
28) Bromochloromethane	7.550	49	53697	15.62	ug/l	92
29) Tetrahydrofuran	7.567	42	49086	78.88	ug/l	95
30) Chloroform	7.714	83	170631	18.06	ug/l	97
31) Cyclohexane	7.979	56	128662	16.28	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	156918	18.61	ug/l	99
36) 1,1-Dichloropropene	8.114	75	132789	18.99	ug/l	99
37) Ethyl Acetate	7.297	43	35814	16.23	ug/l	95
38) Carbon Tetrachloride	8.097	117	135417	19.40	ug/l	93
39) Methylcyclohexane	9.355	83	156074	18.08	ug/l	96
40) Benzene	8.350	78	379466	18.60	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	19848	15.37	ug/l #	83
42) 1,2-Dichloroethane	8.426	62	103809	19.44	ug/l	99
43) Isopropyl Acetate	8.450	43	79125	18.69	ug/l	98
44) Trichloroethene	9.114	130	111931	19.77	ug/l	93
45) 1,2-Dichloropropane	9.391	63	90127	18.46	ug/l	96
46) Dibromomethane	9.479	93	52272	18.83	ug/l	93
47) Bromodichloromethane	9.661	83	138214	19.41	ug/l	100
48) Methyl methacrylate	9.455	41	39360	18.35	ug/l	95
49) 1,4-Dioxane	9.461	88	12069	391.29	ug/l #	88
51) 4-Methyl-2-Pentanone	10.226	43	194355	88.19	ug/l	99
52) Toluene	10.402	92	264701	20.50	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	128299	19.59	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	149373	19.20	ug/l	96
55) 1,1,2-Trichloroethane	10.802	97	74304	19.03	ug/l	97
56) Ethyl methacrylate	10.661	69	78344	18.57	ug/l	100
57) 1,3-Dichloropropane	10.944	76	122465	19.22	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	161524	75.14	ug/l	98
59) 2-Hexanone	10.985	43	135443	91.53	ug/l	98
60) Dibromochloromethane	11.138	129	95506	19.72	ug/l	99
61) 1,2-Dibromoethane	11.244	107	73051	19.38	ug/l	98
64) Tetrachloroethene	10.873	164	93163	19.87	ug/l	96
65) Chlorobenzene	11.667	112	280674	19.71	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.743	131	100722	19.66	ug/l	99
67) Ethyl Benzene	11.743	91	481393	19.38	ug/l	95
68) m/p-Xylenes	11.849	106	377084	38.97	ug/l	99
69) o-Xylene	12.179	106	171674	19.14	ug/l	100
70) Styrene	12.191	104	300137	19.47	ug/l	99
71) Bromoform	12.355	173	53801	19.91	ug/l #	99
73) Isopropylbenzene	12.479	105	460956	19.55	ug/l	99
74) N-amyl acetate	12.285	43	70025	17.82	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	78795	18.92	ug/l	100
76) 1,2,3-Trichloropropane	12.779	75	60863m	21.31	ug/l	
77) Bromobenzene	12.755	156	113458	20.52	ug/l	96
78) n-propylbenzene	12.814	91	555012	19.78	ug/l	99
79) 2-Chlorotoluene	12.902	91	318637	20.80	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	392642	20.60	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	22425	17.87	ug/l	98
82) 4-Chlorotoluene	13.002	91	322351	19.70	ug/l	98
83) tert-Butylbenzene	13.220	119	325731	20.05	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	399736	20.30	ug/l	99
85) sec-Butylbenzene	13.396	105	463180	19.61	ug/l	98
86) p-Isopropyltoluene	13.514	119	427671	19.90	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	220465	19.99	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	210920	19.46	ug/l	97
89) n-Butylbenzene	13.838	91	388858	19.06	ug/l	99
90) Hexachloroethane	14.108	117	78455	20.29	ug/l	93
91) 1,2-Dichlorobenzene	13.885	146	188818	20.16	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	11464	19.24	ug/l	95
93) 1,2,4-Trichlorobenzene	15.155	180	124438	20.44	ug/l	97
94) Hexachlorobutadiene	15.261	225	71355	20.53	ug/l	99
95) Naphthalene	15.390	128	204825	19.22	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	106260	20.50	ug/l	100

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

