

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031621\
 Data File : VD068623.D
 Acq On : 16 Mar 2021 11:00
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/17/2021 11:47:29 AM

Quant Time: Mar 17 01:03:44 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	7.985	168	271653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	448683	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	413611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	229196	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	127839	47.10	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.20%		
35) Dibromofluoromethane	7.920	113	135632	50.18	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.36%		
50) Toluene-d8	10.338	98	528867	49.12	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.24%		
62) 4-Bromofluorobenzene	12.632	95	180980	52.16	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	104.32%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	118311	44.88	ug/l	95
3) Chloromethane	2.209	50	146712	44.04	ug/l	96
4) Vinyl Chloride	2.350	62	185723	46.95	ug/l	100
5) Bromomethane	2.768	94	126318	44.84	ug/l	98
6) Chloroethane	2.926	64	115610	45.19	ug/l	100
7) Trichlorofluoromethane	3.279	101	221611	49.11	ug/l	100
8) Diethyl Ether	3.715	74	61150	45.51	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	138740	50.46	ug/l	94
10) Methyl Iodide	4.303	142	146871	44.95	ug/l	95
11) Tert butyl alcohol	5.220	59	32021	220.96	ug/l	97
12) 1,1-Dichloroethene	4.073	96	134754	49.39	ug/l	98
13) Acrolein	3.926	56	49277	237.92	ug/l	96
14) Allyl chloride	4.715	41	163943	46.54	ug/l	98
15) Acrylonitrile	5.420	53	140509	247.78	ug/l	99
16) Acetone	4.156	43	114623	265.87	ug/l #	88
17) Carbon Disulfide	4.415	76	406554	45.49	ug/l	99
18) Methyl Acetate	4.720	43	54285	48.85	ug/l	96
19) Methyl tert-butyl Ether	5.485	73	310920	52.57	ug/l	95
20) Methylene Chloride	4.967	84	154436	47.71	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	169147	51.93	ug/l	94
22) Diisopropyl ether	6.361	45	354284	45.67	ug/l #	91
23) Vinyl Acetate	6.309	43	933332	231.91	ug/l	100
24) 1,1-Dichloroethane	6.267	63	250516	47.12	ug/l	99
25) 2-Butanone	7.214	43	143496	231.54	ug/l	93
26) 2,2-Dichloropropane	7.208	77	227941	51.46	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	168330	47.07	ug/l	98
28) Bromochloromethane	7.550	49	99045	47.72	ug/l	82
29) Tetrahydrofuran	7.561	42	87170	216.62	ug/l	99
30) Chloroform	7.714	83	261235	46.52	ug/l	93
31) Cyclohexane	7.991	56	218169	44.20	ug/l	92
32) 1,1,1-Trichloroethane	7.903	97	233415	48.70	ug/l	96
36) 1,1-Dichloropropene	8.114	75	210840	49.44	ug/l	97
37) Ethyl Acetate	7.297	43	62682	44.30	ug/l	95
38) Carbon Tetrachloride	8.097	117	210977	52.65	ug/l	96
39) Methylcyclohexane	9.355	83	260185	49.47	ug/l	98
40) Benzene	8.350	78	590943	48.30	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	37073	45.13	ug/l	92
42) 1,2-Dichloroethane	8.426	62	152807	47.50	ug/l	99
43) Isopropyl Acetate	8.455	43	123552	47.51	ug/l	98
44) Trichloroethene	9.114	130	164515	48.99	ug/l	99
45) 1,2-Dichloropropane	9.391	63	144906	49.54	ug/l	93
46) Dibromomethane	9.479	93	77089	48.45	ug/l	92
47) Bromodichloromethane	9.661	83	205499	49.93	ug/l	96
48) Methyl methacrylate	9.455	41	65686	47.38	ug/l	99
49) 1,4-Dioxane	9.461	88	17355	956.47	ug/l	91
51) 4-Methyl-2-Pentanone	10.232	43	325468	239.15	ug/l	98
52) Toluene	10.402	92	387869	49.65	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	185113	48.66	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	225743	48.64	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	107176	48.68	ug/l	98
56) Ethyl methacrylate	10.661	69	121532	48.02	ug/l	98
57) 1,3-Dichloropropane	10.944	76	181974	47.35	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	328724	258.89	ug/l	93
59) 2-Hexanone	10.985	43	232043	255.80	ug/l	99
60) Dibromochloromethane	11.138	129	131914	48.40	ug/l	99
61) 1,2-Dibromoethane	11.244	107	102826	47.72	ug/l	98
64) Tetrachloroethene	10.879	164	129297	47.87	ug/l	99
65) Chlorobenzene	11.673	112	405353	48.12	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.744	131	145701	49.76	ug/l	96
67) Ethyl Benzene	11.744	91	747415	49.71	ug/l	99
68) m/p-Xylenes	11.849	106	574631	100.63	ug/l	99
69) o-Xylene	12.179	106	270178	51.37	ug/l	93
70) Styrene	12.191	104	463631	51.55	ug/l	99
71) Bromoform	12.361	173	76241	51.26	ug/l #	100
73) Isopropylbenzene	12.479	105	738753	43.46	ug/l	99
74) N-amyl acetate	12.285	43	122982	42.47	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.726	83	126217	43.16	ug/l	100
76) 1,2,3-Trichloropropane	12.779	75	101019m	49.65	ug/l	
77) Bromobenzene	12.761	156	171556	44.22	ug/l	94
78) n-propylbenzene	12.820	91	955169	47.03	ug/l	97
79) 2-Chlorotoluene	12.908	91	526115	46.67	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	653898	46.93	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	37523	43.04	ug/l	94
82) 4-Chlorotoluene	13.002	91	547169	46.13	ug/l	99
83) tert-Butylbenzene	13.220	119	546225	46.05	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	644216	46.17	ug/l	98
85) sec-Butylbenzene	13.396	105	799028	47.68	ug/l	98
86) p-Isopropyltoluene	13.514	119	762297	50.12	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	363424	48.51	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	358894	48.35	ug/l	99
89) n-Butylbenzene	13.838	91	737536	50.27	ug/l	98
90) Hexachloroethane	14.108	117	131778	43.59	ug/l	91
91) 1,2-Dichlorobenzene	13.885	146	312312	48.60	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.502	75	21238	41.20	ug/l	93
93) 1,2,4-Trichlorobenzene	15.155	180	212263	42.76	ug/l	97
94) Hexachlorobutadiene	15.261	225	128124	46.51	ug/l	99
95) Naphthalene	15.396	128	389280	43.31	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	184490	42.93	ug/l	99

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

