

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021721\
 Data File : VD068376.D
 Acq On : 17 Feb 2021 11:04
 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

SAM
 2/18/2021 2:56:22 PM

Quant Time: Feb 18 00:09:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 12 13:30:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	364478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	632529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	576880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	262328	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	199572	53.56	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.12%			
35) Dibromofluoromethane	7.914	113	204090	54.36	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.72%			
50) Toluene-d8	10.344	98	817078	52.51	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.02%			
62) 4-Bromofluorobenzene	12.632	95	264117	52.10	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	144937	43.40	ug/l	99
3) Chloromethane	2.209	50	182453	45.89	ug/l	97
4) Vinyl Chloride	2.350	62	222662	46.78	ug/l	98
5) Bromomethane	2.773	94	146037	42.92	ug/l	100
6) Chloroethane	2.921	64	145175	46.69	ug/l	99
7) Trichlorofluoromethane	3.273	101	267549	45.67	ug/l	98
8) Diethyl Ether	3.715	74	80176	46.60	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.097	101	170971	47.95	ug/l	92
10) Methyl Iodide	4.303	142	154154	46.04	ug/l	95
11) Tert butyl alcohol	5.226	59	45271	242.34	ug/l #	95
12) 1,1-Dichloroethene	4.073	96	159825	46.11	ug/l	92
13) Acrolein	3.926	56	67416	315.60	ug/l	98
14) Allyl chloride	4.715	41	218488	48.48	ug/l	97
15) Acrylonitrile	5.426	53	183676	247.32	ug/l	99
16) Acetone	4.156	43	173288	301.44	ug/l	90
17) Carbon Disulfide	4.409	76	445654	44.39	ug/l	100
18) Methyl Acetate	4.715	43	79807	50.58	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	381420	48.77	ug/l	94
20) Methylene Chloride	4.973	84	191979	47.93	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	184853	46.07	ug/l	91
22) Diisopropyl ether	6.367	45	497989	49.93	ug/l	91
23) Vinyl Acetate	6.309	43	1317995	255.93	ug/l	97
24) 1,1-Dichloroethane	6.267	63	327213	47.95	ug/l	100
25) 2-Butanone	7.214	43	209918	261.16	ug/l	97
26) 2,2-Dichloropropane	7.209	77	285036	48.83	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	214832	47.11	ug/l	93
28) Bromochloromethane	7.550	49	156293	55.22	ug/l #	77
29) Tetrahydrofuran	7.561	42	132537	254.92	ug/l	95
30) Chloroform	7.709	83	341369	48.09	ug/l	96
31) Cyclohexane	7.985	56	278871	50.31	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	291733	47.57	ug/l	95
36) 1,1-Dichloropropene	8.114	75	261458	46.72	ug/l	96
37) Ethyl Acetate	7.291	43	95794	50.66	ug/l	97
38) Carbon Tetrachloride	8.097	117	245426	45.98	ug/l	97
39) Methylcyclohexane	9.355	83	320940	46.76	ug/l	99
40) Benzene	8.350	78	760777	47.67	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	54565	50.13	ug/l	96
42) 1,2-Dichloroethane	8.426	62	200123	47.01	ug/l	100
43) Isopropyl Acetate	8.456	43	186881	51.61	ug/l	97
44) Trichloroethene	9.114	130	201501	46.39	ug/l	97
45) 1,2-Dichloropropane	9.391	63	192292	49.37	ug/l	94
46) Dibromomethane	9.479	93	99050	46.88	ug/l	93
47) Bromodichloromethane	9.661	83	262678	47.95	ug/l #	97
48) Methyl methacrylate	9.456	41	87274	48.30	ug/l	90
49) 1,4-Dioxane	9.461	88	24086	975.76	ug/l	89
51) 4-Methyl-2-Pentanone	10.232	43	483151	259.80	ug/l	97
52) Toluene	10.408	92	485841	47.34	ug/l	95
53) t-1,3-Dichloropropene	10.620	75	250132	49.34	ug/l	94
54) cis-1,3-Dichloropropene	10.091	75	301250	48.63	ug/l	99
55) 1,1,2-Trichloroethane	10.802	97	142174	48.71	ug/l	92
56) Ethyl methacrylate	10.661	69	172382	49.77	ug/l	97
57) 1,3-Dichloropropane	10.944	76	249521	48.72	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	491474	265.03	ug/l	91
59) 2-Hexanone	10.985	43	337319	268.33	ug/l	98
60) Dibromochloromethane	11.144	129	172383	47.60	ug/l	99
61) 1,2-Dibromoethane	11.250	107	133464	47.32	ug/l	100
64) Tetrachloroethene	10.873	164	159325	44.88	ug/l	96
65) Chlorobenzene	11.667	112	512707	46.22	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.744	131	185429	47.91	ug/l	96
67) Ethyl Benzene	11.744	91	942071	47.37	ug/l	97
68) m/p-Xylenes	11.855	106	705461	93.86	ug/l	99
69) o-Xylene	12.179	106	328907	47.70	ug/l	97
70) Styrene	12.197	104	569825	47.51	ug/l	99
71) Bromoform	12.361	173	94096	47.32	ug/l #	98
73) Isopropylbenzene	12.479	105	916016	47.80	ug/l	99
74) N-amyl acetate	12.285	43	176499	52.16	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.732	83	159458	48.02	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	110516m	44.27	ug/l	
77) Bromobenzene	12.761	156	198458	46.36	ug/l	89
78) n-propylbenzene	12.820	91	1087335	47.40	ug/l	97
79) 2-Chlorotoluene	12.908	91	596845	46.98	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	742384	47.41	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	50329	50.54	ug/l	98
82) 4-Chlorotoluene	13.002	91	622883	46.38	ug/l	98
83) tert-Butylbenzene	13.220	119	644317	47.44	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	742534	47.60	ug/l	99
85) sec-Butylbenzene	13.396	105	910655	47.94	ug/l	98
86) p-Isopropyltoluene	13.514	119	821048	48.14	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	384085	46.38	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	378835	45.97	ug/l	99
89) n-Butylbenzene	13.838	91	802185	48.20	ug/l	98
90) Hexachloroethane	14.108	117	151345	48.88	ug/l	88
91) 1,2-Dichlorobenzene	13.885	146	332943	46.37	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	23620	48.65	ug/l	85
93) 1,2,4-Trichlorobenzene	15.155	180	226382	48.13	ug/l	99
94) Hexachlorobutadiene	15.261	225	123903	47.90	ug/l	97
95) Naphthalene	15.396	128	436098	49.88	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	190470	46.43	ug/l	99

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

