

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021521\
 Data File : VD068359.D
 Acq On : 15 Feb 2021 13:22
 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
 2/16/2021 1:18:16 PM

Quant Time: Feb 16 00:14:18 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	404513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	697832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	615264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	279297	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	224987	54.41	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.82%			
35) Dibromofluoromethane	7.920	113	229914	55.51	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.02%			
50) Toluene-d8	10.343	98	940619	54.79	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.58%			
62) 4-Bromofluorobenzene	12.632	95	299882	53.62	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.24%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	167968	45.31	ug/l	95
3) Chloromethane	2.209	50	202201	45.82	ug/l	98
4) Vinyl Chloride	2.350	62	245287	46.43	ug/l	99
5) Bromomethane	2.773	94	168011	44.49	ug/l	97
6) Chloroethane	2.926	64	162335	47.05	ug/l	99
7) Trichlorofluoromethane	3.279	101	303784	46.72	ug/l	97
8) Diethyl Ether	3.709	74	87681	45.91	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	188740	47.70	ug/l	93
10) Methyl Iodide	4.303	142	173616	46.72	ug/l	95
11) Tert butyl alcohol	5.226	59	46532	224.44	ug/l	97
12) 1,1-Dichloroethene	4.067	96	179855	46.75	ug/l	94
13) Acrolein	3.926	56	67964	286.67	ug/l	99
14) Allyl chloride	4.714	41	245837	49.15	ug/l	98
15) Acrylonitrile	5.426	53	193507	234.77	ug/l	99
16) Acetone	4.161	43	167590	262.67	ug/l	92
17) Carbon Disulfide	4.414	76	506081	45.42	ug/l	99
18) Methyl Acetate	4.720	43	82370	47.04	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	407078	46.89	ug/l	96
20) Methylene Chloride	4.967	84	214489	48.27	ug/l	92
21) trans-1,2-Dichloroethene	5.479	96	210226	47.21	ug/l	98
22) Diisopropyl ether	6.367	45	541235	48.89	ug/l	95
23) Vinyl Acetate	6.308	43	1397744	244.56	ug/l	99
24) 1,1-Dichloroethane	6.267	63	362837	47.91	ug/l	97
25) 2-Butanone	7.214	43	217949	244.32	ug/l	99
26) 2,2-Dichloropropane	7.208	77	316599	48.87	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	233645	46.16	ug/l	93
28) Bromochloromethane	7.550	49	169305	53.90	ug/l #	78
29) Tetrahydrofuran	7.561	42	139291	241.39	ug/l	95
30) Chloroform	7.714	83	374554	47.55	ug/l	94
31) Cyclohexane	7.985	56	319072	51.93	ug/l	92
32) 1,1,1-Trichloroethane	7.902	97	324709	47.70	ug/l	96
36) 1,1-Dichloropropene	8.114	75	291014	47.14	ug/l	97
37) Ethyl Acetate	7.297	43	95572	45.81	ug/l #	94
38) Carbon Tetrachloride	8.097	117	282187	47.92	ug/l	98
39) Methylcyclohexane	9.355	83	360549	47.61	ug/l	100
40) Benzene	8.355	78	837514	47.56	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	58597m	48.80	ug/l	
42) 1,2-Dichloroethane	8.426	62	220324	46.91	ug/l	98
43) Isopropyl Acetate	8.455	43	196257	49.13	ug/l	96
44) Trichloroethene	9.114	130	225320	47.02	ug/l	98
45) 1,2-Dichloropropane	9.391	63	204344	47.56	ug/l	96
46) Dibromomethane	9.479	93	107908	46.29	ug/l	91
47) Bromodichloromethane	9.667	83	286012	47.32	ug/l #	98
48) Methyl methacrylate	9.461	41	89554	44.92	ug/l	89
49) 1,4-Dioxane	9.461	88	26332	966.92	ug/l	97
51) 4-Methyl-2-Pentanone	10.232	43	495657	241.58	ug/l	99
52) Toluene	10.402	92	533080	47.09	ug/l	95
53) t-1,3-Dichloropropene	10.620	75	267360	47.81	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	315740	46.20	ug/l	94
55) 1,1,2-Trichloroethane	10.802	97	152195	47.26	ug/l	96
56) Ethyl methacrylate	10.661	69	182084	47.66	ug/l	97
57) 1,3-Dichloropropane	10.949	76	259070	45.85	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.944	63	535429	261.72	ug/l	92
59) 2-Hexanone	10.985	43	341557	246.27	ug/l	100
60) Dibromochloromethane	11.143	129	183461	45.92	ug/l	98
61) 1,2-Dibromoethane	11.249	107	138502	44.51	ug/l	98
64) Tetrachloroethene	10.879	164	176004	46.49	ug/l	97
65) Chlorobenzene	11.673	112	565613	47.81	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	194855	47.21	ug/l	97
67) Ethyl Benzene	11.743	91	1045078	49.27	ug/l	98
68) m/p-Xylenes	11.855	106	783381	97.72	ug/l	100
69) o-Xylene	12.179	106	364137	49.51	ug/l	95
70) Styrene	12.196	104	618079	48.32	ug/l	98
71) Bromoform	12.361	173	98675	46.53	ug/l #	98
73) Isopropylbenzene	12.479	105	1010779	49.54	ug/l	99
74) N-amyl acetate	12.290	43	179081	49.71	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.726	83	167230	47.30	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	120846m	45.47	ug/l	
77) Bromobenzene	12.761	156	211351	46.38	ug/l	88
78) n-propylbenzene	12.820	91	1205713	49.37	ug/l	97
79) 2-Chlorotoluene	12.908	91	653372	48.31	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	818337	49.09	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	53343	50.31	ug/l	95
82) 4-Chlorotoluene	13.002	91	676093	47.28	ug/l	97
83) tert-Butylbenzene	13.220	119	711748	49.22	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	804463	48.44	ug/l	97
85) sec-Butylbenzene	13.402	105	1007724	49.83	ug/l	98
86) p-Isopropyltoluene	13.514	119	914718	50.37	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	417277	47.32	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	412213	46.98	ug/l	98
89) n-Butylbenzene	13.843	91	889996	50.23	ug/l	98
90) Hexachloroethane	14.108	117	165682	50.26	ug/l	89
91) 1,2-Dichlorobenzene	13.884	146	361293	47.26	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.508	75	23419	45.30	ug/l	90
93) 1,2,4-Trichlorobenzene	15.161	180	241794	48.29	ug/l	99
94) Hexachlorobutadiene	15.267	225	132983	48.28	ug/l	99
95) Naphthalene	15.396	128	452379	48.60	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	208496	47.73	ug/l	97

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

