

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021921\
 Data File : VD068394.D
 Acq On : 19 Feb 2021 11:54
 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
 2/22/2021 4:58:01 PM

Quant Time: Feb 19 23:28:36 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	345645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	599476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	542210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	247364	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	183671	51.98	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.96%			
35) Dibromofluoromethane	7.920	113	189787	53.34	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.68%			
50) Toluene-d8	10.344	98	758357	51.42	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.84%			
62) 4-Bromofluorobenzene	12.632	95	245162	51.03	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.06%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	133431	42.13	ug/l	92
3) Chloromethane	2.209	50	166900	44.26	ug/l	96
4) Vinyl Chloride	2.350	62	199233	44.14	ug/l	97
5) Bromomethane	2.767	94	137324	42.56	ug/l	96
6) Chloroethane	2.920	64	131431	44.58	ug/l	97
7) Trichlorofluoromethane	3.273	101	246960	44.45	ug/l	97
8) Diethyl Ether	3.709	74	75840	46.48	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	149814	44.31	ug/l	93
10) Methyl Iodide	4.303	142	135726	42.74	ug/l	95
11) Tert butyl alcohol	5.214	59	58722	331.47	ug/l #	74
12) 1,1-Dichloroethene	4.067	96	140871	42.85	ug/l	96
13) Acrolein	3.920	56	52505	259.19	ug/l	95
14) Allyl chloride	4.720	41	201848	47.23	ug/l	98
15) Acrylonitrile	5.426	53	169735	241.00	ug/l	99
16) Acetone	4.156	43	133893	245.60	ug/l	91
17) Carbon Disulfide	4.414	76	405215	42.56	ug/l	99
18) Methyl Acetate	4.720	43	72465	48.43	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	345435	46.57	ug/l	93
20) Methylene Chloride	4.967	84	176536	46.38	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	171436	45.06	ug/l	94
22) Diisopropyl ether	6.361	45	461792	48.82	ug/l	95
23) Vinyl Acetate	6.308	43	1200561	245.83	ug/l	97
24) 1,1-Dichloroethane	6.267	63	301534	46.59	ug/l	100
25) 2-Butanone	7.214	43	186025	244.05	ug/l	100
26) 2,2-Dichloropropane	7.208	77	262785	47.47	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	200940	46.46	ug/l	94
28) Bromochloromethane	7.550	49	147480	54.95	ug/l #	76
29) Tetrahydrofuran	7.561	42	118332	240.00	ug/l	95
30) Chloroform	7.714	83	316876	47.07	ug/l	96
31) Cyclohexane	7.985	56	249528	47.36	ug/l	93
32) 1,1,1-Trichloroethane	7.908	97	268619	46.18	ug/l	95
36) 1,1-Dichloropropene	8.114	75	240519	45.35	ug/l	96
37) Ethyl Acetate	7.291	43	87846	49.02	ug/l	97
38) Carbon Tetrachloride	8.097	117	233219	46.10	ug/l	97
39) Methylcyclohexane	9.355	83	290340	44.63	ug/l	97
40) Benzene	8.350	78	697886	46.14	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	57537m	55.78	ug/l	
42) 1,2-Dichloroethane	8.426	62	187615	46.50	ug/l	100
43) Isopropyl Acetate	8.449	43	164571	47.95	ug/l	99
44) Trichloroethene	9.114	130	188699	45.84	ug/l	98
45) 1,2-Dichloropropane	9.391	63	176908	47.93	ug/l	94
46) Dibromomethane	9.479	93	92832	46.36	ug/l	93
47) Bromodichloromethane	9.661	83	249387	48.04	ug/l	99
48) Methyl methacrylate	9.461	41	76699	44.78	ug/l	89
49) 1,4-Dioxane	9.467	88	20704	884.99	ug/l	90
51) 4-Methyl-2-Pentanone	10.232	43	437787	248.39	ug/l	97
52) Toluene	10.402	92	451958	46.47	ug/l	96
53) t-1,3-Dichloropropene	10.620	75	237862	49.51	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	275024	46.85	ug/l	99
55) 1,1,2-Trichloroethane	10.802	97	133708	48.34	ug/l	97
56) Ethyl methacrylate	10.661	69	156730	47.75	ug/l	98
57) 1,3-Dichloropropane	10.949	76	228618	47.10	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	456312	259.64	ug/l	92
59) 2-Hexanone	10.985	43	291191	244.41	ug/l	98
60) Dibromochloromethane	11.138	129	162994	47.49	ug/l	99
61) 1,2-Dibromoethane	11.249	107	121866	45.59	ug/l	99
64) Tetrachloroethene	10.879	164	147847	44.31	ug/l	99
65) Chlorobenzene	11.673	112	485877	46.61	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.743	131	173779	47.77	ug/l	98
67) Ethyl Benzene	11.743	91	882800	47.23	ug/l	98
68) m/p-Xylenes	11.855	106	661684	93.66	ug/l	99
69) o-Xylene	12.179	106	305551	47.14	ug/l	98
70) Styrene	12.196	104	529883	47.00	ug/l	99
71) Bromoform	12.361	173	87323	46.72	ug/l #	99
73) Isopropylbenzene	12.479	105	835958	46.27	ug/l	100
74) N-amyl acetate	12.285	43	159092	49.86	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.732	83	146254	46.71	ug/l	99
76) 1,2,3-Trichloropropane	12.785	75	105643m	44.88	ug/l	
77) Bromobenzene	12.761	156	183456	45.45	ug/l	86
78) n-propylbenzene	12.820	91	1006937	46.56	ug/l	97
79) 2-Chlorotoluene	12.908	91	554569	46.29	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	688748	46.65	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	45468	48.42	ug/l	95
82) 4-Chlorotoluene	13.002	91	580223	45.81	ug/l	98
83) tert-Butylbenzene	13.220	119	603746	47.14	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	695822	47.30	ug/l	99
85) sec-Butylbenzene	13.402	105	847369	47.31	ug/l	98
86) p-Isopropyltoluene	13.514	119	766716	47.67	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	363186	46.51	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	359511	46.27	ug/l	100
89) n-Butylbenzene	13.837	91	737696	47.01	ug/l	98
90) Hexachloroethane	14.108	117	141777	48.56	ug/l	89
91) 1,2-Dichlorobenzene	13.884	146	314368	46.43	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	21443	46.84	ug/l	85
93) 1,2,4-Trichlorobenzene	15.161	180	209493	47.24	ug/l	100
94) Hexachlorobutadiene	15.261	225	117161	48.03	ug/l	97
95) Naphthalene	15.396	128	389330	47.22	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	180233	46.59	ug/l	97

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

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