

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030521\
 Data File : VD068536.D
 Acq On : 05 Mar 2021 10:16
 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
 3/8/2021 10:11:18 AM

Quant Time: Mar 05 23:09:25 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	7.979	168	272044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	447671	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	409379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	201260	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	133800	49.23	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.46%		
35) Dibromofluoromethane	7.920	113	144251	53.49	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.98%		
50) Toluene-d8	10.344	98	540408	50.31	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.62%		
62) 4-Bromofluorobenzene	12.632	95	181891	52.54	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	105.08%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	119155	45.13	ug/l	99
3) Chloromethane	2.209	50	146942	44.04	ug/l	96
4) Vinyl Chloride	2.350	62	177916	44.91	ug/l	99
5) Bromomethane	2.762	94	126335	44.79	ug/l	97
6) Chloroethane	2.920	64	115964	45.27	ug/l	99
7) Trichlorofluoromethane	3.273	101	218166	48.27	ug/l	99
8) Diethyl Ether	3.709	74	59861	44.49	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.097	101	129613	47.07	ug/l	96
10) Methyl Iodide	4.303	142	129974	40.03	ug/l	95
11) Tert butyl alcohol	5.232	59	33258	229.17	ug/l	98
12) 1,1-Dichloroethene	4.067	96	125311	45.87	ug/l	97
13) Acrolein	3.920	56	49435	238.34	ug/l	98
14) Allyl chloride	4.714	41	154444	43.78	ug/l	98
15) Acrylonitrile	5.426	53	147705	260.09	ug/l	99
16) Acetone	4.156	43	121595	281.64	ug/l	94
17) Carbon Disulfide	4.409	76	398494	44.52	ug/l	100
18) Methyl Acetate	4.720	43	52342	47.04	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	314000	53.01	ug/l #	91
20) Methylene Chloride	4.967	84	146138	44.83	ug/l	95
21) trans-1,2-Dichloroethene	5.479	96	174755	53.57	ug/l	98
22) Diisopropyl ether	6.361	45	349123	44.94	ug/l	96
23) Vinyl Acetate	6.303	43	918139	227.81	ug/l	99
24) 1,1-Dichloroethane	6.267	63	247735	46.53	ug/l	99
25) 2-Butanone	7.214	43	148990	240.06	ug/l	98
26) 2,2-Dichloropropane	7.208	77	218120	49.17	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	167119	46.67	ug/l	99
28) Bromochloromethane	7.550	49	97134	46.74	ug/l	84
29) Tetrahydrofuran	7.561	42	92572	229.71	ug/l	97
30) Chloroform	7.708	83	259010	46.06	ug/l	98
31) Cyclohexane	7.985	56	208214	42.12	ug/l	96
32) 1,1,1-Trichloroethane	7.908	97	228346	47.58	ug/l	96
36) 1,1-Dichloropropene	8.114	75	201497	47.35	ug/l	99
37) Ethyl Acetate	7.291	43	62900	44.55	ug/l	96
38) Carbon Tetrachloride	8.097	117	203844	50.98	ug/l	95
39) Methylcyclohexane	9.355	83	254035	48.41	ug/l	97
40) Benzene	8.350	78	592512	48.54	ug/l	95

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41) Methacrylonitrile	7.526	41	37209m	45.40	ug/l	
42) 1,2-Dichloroethane	8.426	62	156533	48.77	ug/l	100
43) Isopropyl Acetate	8.455	43	125234	48.26	ug/l	97
44) Trichloroethene	9.114	130	164464	49.08	ug/l	99
45) 1,2-Dichloropropane	9.391	63	142715	48.91	ug/l	94
46) Dibromomethane	9.473	93	79180	49.88	ug/l	95
47) Bromodichloromethane	9.661	83	201795	49.14	ug/l	99
48) Methyl methacrylate	9.455	41	65766	47.55	ug/l	95
49) 1,4-Dioxane	9.461	88	18089	999.17	ug/l	95
51) 4-Methyl-2-Pentanone	10.232	43	335232	246.88	ug/l	98
52) Toluene	10.402	92	381334	48.92	ug/l	94
53) t-1,3-Dichloropropene	10.620	75	189629	49.96	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	222796	48.11	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	110304	50.21	ug/l	94
56) Ethyl methacrylate	10.661	69	125172	49.57	ug/l	97
57) 1,3-Dichloropropane	10.949	76	186111	48.53	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	312986	247.06	ug/l	93
59) 2-Hexanone	10.985	43	235847	260.58	ug/l	100
60) Dibromochloromethane	11.144	129	139665	51.35	ug/l	100
61) 1,2-Dibromoethane	11.244	107	108085	50.28	ug/l	98
64) Tetrachloroethene	10.873	164	133765	50.04	ug/l	99
65) Chlorobenzene	11.673	112	410362	49.22	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	151380	52.24	ug/l	97
67) Ethyl Benzene	11.743	91	736197	49.47	ug/l	98
68) m/p-Xylenes	11.855	106	567656	100.44	ug/l	99
69) o-Xylene	12.179	106	260133	49.97	ug/l	95
70) Styrene	12.196	104	455594	51.18	ug/l	98
71) Bromoform	12.361	173	80032	54.36	ug/l #	97
73) Isopropylbenzene	12.479	105	702241	47.04	ug/l	99
74) N-amyl acetate	12.291	43	121155	47.64	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	121428	47.28	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	86239m	48.27	ug/l	
77) Bromobenzene	12.761	156	163574	48.02	ug/l	94
78) n-propylbenzene	12.820	91	860222	48.23	ug/l	98
79) 2-Chlorotoluene	12.908	91	466365	47.11	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	600117	49.05	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	38062	49.71	ug/l	95
82) 4-Chlorotoluene	13.002	91	497192	47.73	ug/l	99
83) tert-Butylbenzene	13.220	119	513797	49.32	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	601166	49.07	ug/l	98
85) sec-Butylbenzene	13.402	105	718833	48.85	ug/l	99
86) p-Isopropyltoluene	13.514	119	659033	49.34	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	327461	49.77	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	322691	49.51	ug/l	99
89) n-Butylbenzene	13.838	91	631254	49.00	ug/l	98
90) Hexachloroethane	14.108	117	132126	49.77	ug/l	95
91) 1,2-Dichlorobenzene	13.885	146	279481	49.53	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	21119	46.65	ug/l	89
93) 1,2,4-Trichlorobenzene	15.161	180	220548	50.60	ug/l	98
94) Hexachlorobutadiene	15.267	225	125718	51.97	ug/l	99
95) Naphthalene	15.396	128	378614	47.97	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	190145	50.39	ug/l	97

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

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