

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082019\
 Data File : VD063674.D
 Acq On : 20 Aug 2019 10:08
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 20 10:32:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1067905	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.20	114	1467341	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.35	117	1218971	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.51	152	642051	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	583014	51.07	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	6.91	113	634699	51.36	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.72%	
50) Toluene-d8	10.40	98	1444621	53.17	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	106.34%	
62) 4-Bromofluorobenzene	13.55	95	581119	47.19	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	567218	43.903	ug/l	98
3) Chloromethane	1.74	50	447239	44.306	ug/l	98
4) Vinyl Chloride	1.83	62	477679	47.669	ug/l	100
5) Bromomethane	2.14	94	231149	48.886	ug/l	99
6) Chloroethane	2.25	64	219057	47.803	ug/l	93
7) Trichlorofluoromethane	2.52	101	960738	48.878	ug/l	96
8) Diethyl Ether	2.86	74	130305	46.954	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.13	101	568901	49.017	ug/l	95
10) Methyl Iodide	3.29	142	761308	46.359	ug/l #	95
11) Tert butyl alcohol	4.07	59	123890	249.315	ug/l	98
12) 1,1-Dichloroethene	3.11	96	401125	46.485	ug/l	97
13) Acrolein	3.02	56	107089	218.939	ug/l	85
14) Allyl chloride	3.60	41	653481	50.376	ug/l	99
15) Acrylonitrile	4.17	53	340479	258.678	ug/l	98
16) Acetone	3.21	43	661949	285.266	ug/l	96
17) Carbon Disulfide	3.36	76	1213754	44.568	ug/l	98
18) Methyl Acetate	3.62	43	198095	45.070	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	954665	55.320	ug/l	99
20) Methylene Chloride	3.80	84	428616	42.716	ug/l	94
21) trans-1,2-Dichloroethene	4.19	96	461657	50.840	ug/l	95
22) Diisopropyl ether	5.10	45	1336160	49.916	ug/l	97
23) Vinyl Acetate	5.04	43	3985115	256.083	ug/l	100
24) 1,1-Dichloroethane	4.96	63	829183	49.943	ug/l	98
25) 2-Butanone	6.05	43	638300	278.518	ug/l	98
26) 2,2-Dichloropropane	6.01	77	846954	51.217	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	496631	49.988	ug/l	98
28) Bromochloromethane	6.42	49	338582	50.319	ug/l	99
29) Tetrahydrofuran	6.44	42	250459	234.533	ug/l	99
30) Chloroform	6.65	83	1005416	48.720	ug/l	96
31) Cyclohexane	6.94	56	450829	43.740	ug/l	97
32) 1,1,1-Trichloroethane	6.85	97	1001107	50.713	ug/l	98
36) 1,1-Dichloropropene	7.13	75	650747	50.167	ug/l	98
37) Ethyl Acetate	6.17	43	284739	52.385	ug/l	96
38) Carbon Tetrachloride	7.10	117	1057166	54.076	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	533770	48.391	ug/l	95
40) Benzene	7.44	78	1411345	49.441	ug/l	98
41) Methacrylonitrile	6.43	41	332513	48.585	ug/l #	90
42) 1,2-Dichloroethane	7.56	62	717343	49.976	ug/l	99
43) Isopropyl Acetate	9.22	43	398899	54.795	ug/l #	98
44) Trichloroethene	8.53	130	543401	49.804	ug/l	99
45) 1,2-Dichloropropane	8.93	63	349853	52.628	ug/l	93
46) Dibromomethane	9.05	93	274990	48.439	ug/l	98
47) Bromodichloromethane	9.36	83	751490	51.606	ug/l	97
48) Methyl methacrylate	9.11	41	247247	50.080	ug/l	97
49) 1,4-Dioxane	9.07	88	41733	947.923	ug/l #	81
51) 4-Methyl-2-Pentanone	10.29	43	1322757	265.538	ug/l	97
52) Toluene	10.50	92	906243	49.289	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	642020	54.024	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	688663	51.392	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	311466	50.149	ug/l	97
56) Ethyl methacrylate	11.04	69	349236	51.806	ug/l	99
57) 1,3-Dichloropropane	11.40	76	485172	51.679	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	1060274	297.922	ug/l	95
59) 2-Hexanone	11.52	43	1035996	285.822	ug/l	97
60) Dibromochloromethane	11.68	129	583032	51.589	ug/l	98
61) 1,2-Dibromoethane	11.79	107	386476	51.402	ug/l	97
64) Tetrachloroethene	11.25	164	444373	47.223	ug/l	97
65) Chlorobenzene	12.39	112	1169888	51.207	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	532673	52.978	ug/l	96
67) Ethyl Benzene	12.51	91	2067455	52.045	ug/l	98
68) m/p-Xylenes	12.66	106	1447471	103.714	ug/l	98
69) o-Xylene	13.04	106	664806	49.492	ug/l	99
70) Styrene	13.06	104	1164185	48.724	ug/l	98
71) Bromoform	13.23	173	378098	54.842	ug/l	99
73) Isopropylbenzene	13.40	105	1982747	48.551	ug/l	100
74) N-amyl acetate	13.26	43	553518	53.993	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	343330	50.651	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	400725	54.383	ug/l	99
77) Bromobenzene	13.66	156	582307	52.173	ug/l	91
78) n-propylbenzene	13.76	91	2421044	50.669	ug/l	93
79) 2-Chlorotoluene	13.83	91	1459221	52.966	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1804392	50.569	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	99445	50.212	ug/l	98
82) 4-Chlorotoluene	13.94	91	1681604	50.759	ug/l	96
83) tert-Butylbenzene	14.19	119	1888406	50.258	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	1754894	53.154	ug/l	97
85) sec-Butylbenzene	14.36	105	2096659	52.544	ug/l	97
86) p-Isopropyltoluene	14.48	119	1972409	51.697	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	958983	47.502	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	957481	49.433	ug/l	99
89) n-Butylbenzene	14.80	91	1836320	52.735	ug/l	98
90) Hexachloroethane	15.00	117	503498	52.504	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	842555	49.191	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	63892	50.060	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	716971	56.886	ug/l	99
94) Hexachlorobutadiene	16.03	225	513668	53.476	ug/l	97
95) Naphthalene	16.12	128	933790	48.888	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	547554	53.789	ug/l	98

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

