

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031919\
 Data File : VD061177.D
 Acq On : 19 Mar 2019 11:14
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 19 11:40:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	688761	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.20	114	1202051	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	918698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	446392	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	283786	49.50	ug/l	-0.01
Spiked Amount			Recovery	=	99.00%	
35) Dibromofluoromethane	6.91	113	443743	49.74	ug/l	-0.01
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	10.40	98	1045464	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	
62) 4-Bromofluorobenzene	13.55	95	417876	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	314050	46.031	ug/l	100
3) Chloromethane	1.76	50	236606	41.631	ug/l	97
4) Vinyl Chloride	1.85	62	244679	46.591	ug/l	96
5) Bromomethane	2.15	94	54202	60.832	ug/l	86
6) Chloroethane	2.27	64	86228	54.855	ug/l	91
7) Trichlorofluoromethane	2.53	101	376980	49.969	ug/l	96
8) Diethyl Ether	2.87	74	131935	53.011	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	435507	51.634	ug/l	95
10) Methyl Iodide	3.30	142	601499	51.679	ug/l	99
11) Tert butyl alcohol	4.05	59	93944	257.393	ug/l	97
12) 1,1-Dichloroethene	3.12	96	340539	49.255	ug/l	95
13) Acrolein	3.03	56	99286	188.007	ug/l	99
14) Allyl chloride	3.62	41	514231	46.486	ug/l	95
15) Acrylonitrile	4.19	53	315542	244.613	ug/l	99
16) Acetone	3.21	43	458446	279.635	ug/l	97
17) Carbon Disulfide	3.37	76	1076717	46.167	ug/l	99
18) Methyl Acetate	3.63	43	171740	53.230	ug/l #	89
19) Methyl tert-butyl Ether	4.22	73	626620	51.716	ug/l	95
20) Methylene Chloride	3.80	84	394927	53.123	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	357656	47.794	ug/l	99
22) Diisopropyl ether	5.11	45	1106905	48.203	ug/l	98
23) Vinyl Acetate	5.04	43	2965206	251.539	ug/l	99
24) 1,1-Dichloroethane	4.97	63	660637	52.507	ug/l	99
25) 2-Butanone	6.06	43	496379	266.825	ug/l	100
26) 2,2-Dichloropropane	6.01	77	515770	52.512	ug/l	100
27) cis-1,2-Dichloroethene	6.02	96	399479	50.315	ug/l	97
28) Bromochloromethane	6.42	49	251923	47.297	ug/l	98
29) Tetrahydrofuran	6.43	42	219263	217.060	ug/l	94
30) Chloroform	6.65	83	699159	53.617	ug/l	100
31) Cyclohexane	6.94	56	497579	49.047	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	575469	51.045	ug/l	98
36) 1,1-Dichloropropene	7.13	75	471799	45.534	ug/l	100
37) Ethyl Acetate	6.17	43	216799	44.588	ug/l	97
38) Carbon Tetrachloride	7.10	117	621216	54.428	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	513818	47.823	ug/l	98
40) Benzene	7.44	78	1224646	47.300	ug/l	100
41) Methacrylonitrile	6.43	41	254261	45.463	ug/l	94
42) 1,2-Dichloroethane	7.56	62	386102	51.388	ug/l	99
43) Isopropyl Acetate	9.23	43	320335	47.567	ug/l #	96
44) Trichloroethene	8.53	130	431924	48.356	ug/l	94
45) 1,2-Dichloropropane	8.92	63	297554	43.745	ug/l	98
46) Dibromomethane	9.05	93	211423	49.000	ug/l	99
47) Bromodichloromethane	9.36	83	491871	50.518	ug/l	99
48) Methyl methacrylate	9.11	41	166997	44.043	ug/l	100
49) 1,4-Dioxane	9.06	88	36435	950.280	ug/l	90
51) 4-Methyl-2-Pentanone	10.29	43	968534	234.756	ug/l	99
52) Toluene	10.50	92	660346	41.016	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	439044	49.314	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	520702	48.676	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	262861	49.027	ug/l	96
56) Ethyl methacrylate	11.03	69	270005	48.112	ug/l	100
57) 1,3-Dichloropropane	11.39	76	415509	51.859	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	628895	211.707	ug/l	95
59) 2-Hexanone	11.52	43	704910	233.574	ug/l	97
60) Dibromochloromethane	11.67	129	390862	49.534	ug/l	98
61) 1,2-Dibromoethane	11.80	107	318444	51.057	ug/l	96
64) Tetrachloroethene	11.25	164	323196	52.115	ug/l	97
65) Chlorobenzene	12.39	112	987658	54.838	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	356819	55.581	ug/l	98
67) Ethyl Benzene	12.52	91	1333090	49.718	ug/l	99
68) m/p-Xylenes	12.65	106	1099633	104.489	ug/l	96
69) o-Xylene	13.04	106	522830	50.541	ug/l	95
70) Styrene	13.07	104	874888	51.794	ug/l	97
71) Bromoform	13.22	173	232285	56.087	ug/l	100
73) Isopropylbenzene	13.39	105	1340437	41.667	ug/l	99
74) N-amyl acetate	13.25	43	376256	41.536	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	286394	45.628	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	305328	47.543	ug/l	100
77) Bromobenzene	13.66	156	417327	50.818	ug/l	87
78) n-propylbenzene	13.77	91	1587424	42.149	ug/l	97
79) 2-Chlorotoluene	13.84	91	997253	48.096	ug/l	96
80) 1,3,5-Trimethylbenzene	14.23	105	1143372	46.816	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	91093	48.111	ug/l	93
82) 4-Chlorotoluene	13.94	91	1044060	42.594	ug/l	95
83) tert-Butylbenzene	14.18	119	1364348	51.046	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	1143372	46.816	ug/l	99
85) sec-Butylbenzene	14.36	105	1625094	49.804	ug/l	99
86) p-Isopropyltoluene	14.48	119	1285453	48.196	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	686381	46.807	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	717970	49.824	ug/l	96
89) n-Butylbenzene	14.79	91	1149548	44.882	ug/l	98
90) Hexachloroethane	15.00	117	347502	46.141	ug/l	78
91) 1,2-Dichlorobenzene	14.80	146	589107	48.189	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	35811	47.346	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	287971	50.779	ug/l	96
94) Hexachlorobutadiene	16.03	225	198809	46.347	ug/l	99
95) Naphthalene	16.12	128	448682	52.064	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	131640	46.998	ug/l	98

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

