

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063233.D
 Acq On : 30 Jul 2019 11:22
 Operator : VA/AP
 Sample : VD0730SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Quant Time: Jul 31 04:52:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1025035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1481014	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1254683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	676712	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	584476	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
35) Dibromofluoromethane	6.91	113	664141	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	
50) Toluene-d8	10.41	98	1474498	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
62) 4-Bromofluorobenzene	13.55	95	676278	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	254184	20.287	ug/l	97
3) Chloromethane	1.73	50	195064	20.038	ug/l	98
4) Vinyl Chloride	1.84	62	192638	19.115	ug/l	93
5) Bromomethane	2.14	94	89145	17.539	ug/l	88
6) Chloroethane	2.25	64	89132	19.157	ug/l	92
7) Trichlorofluoromethane	2.51	101	406648	20.800	ug/l	95
8) Diethyl Ether	2.87	74	47879	17.498	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.13	101	206953	19.109	ug/l	96
10) Methyl Iodide	3.29	142	265186	16.950	ug/l	91
11) Tert butyl alcohol	4.06	59	40016	80.171	ug/l #	90
12) 1,1-Dichloroethene	3.11	96	151893	19.105	ug/l	92
13) Acrolein	3.02	56	46716	97.250	ug/l	92
14) Allyl chloride	3.61	41	242211	19.124	ug/l	91
15) Acrylonitrile	4.19	53	114588	88.550	ug/l	98
16) Acetone	3.21	43	181897	82.082	ug/l	100
17) Carbon Disulfide	3.36	76	527924	19.838	ug/l	97
18) Methyl Acetate	3.63	43	76761	18.033	ug/l #	90
19) Methyl tert-butyl Ether	4.23	73	328640	18.299	ug/l	97
20) Methylene Chloride	3.80	84	179242	20.010	ug/l	91
21) trans-1,2-Dichloroethene	4.20	96	171830	19.262	ug/l	86
22) Diisopropyl ether	5.10	45	457743	18.090	ug/l	93
23) Vinyl Acetate	5.04	43	1468233	94.392	ug/l	99
24) 1,1-Dichloroethane	4.96	63	312496	19.334	ug/l	97
25) 2-Butanone	6.07	43	198835	89.404	ug/l #	88
26) 2,2-Dichloropropane	6.01	77	315892	18.965	ug/l	94
27) cis-1,2-Dichloroethene	6.03	96	184564	19.297	ug/l	96
28) Bromochloromethane	6.43	49	126458	19.637	ug/l #	80
29) Tetrahydrofuran	6.45	42	90519	85.967	ug/l	96
30) Chloroform	6.66	83	387037	19.295	ug/l	98
31) Cyclohexane	6.94	56	188157	18.572	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	378051	19.485	ug/l	97
36) 1,1-Dichloropropene	7.14	75	244341	18.078	ug/l	98
37) Ethyl Acetate	6.17	43	100887	16.614	ug/l #	86
38) Carbon Tetrachloride	7.10	117	343843	16.898	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	209013	18.560	ug/l	92
40) Benzene	7.44	78	511351	18.052	ug/l	99
41) Methacrylonitrile	6.44	41	129111	17.775	ug/l #	90
42) 1,2-Dichloroethane	7.57	62	271818	18.106	ug/l	98
43) Isopropyl Acetate	9.24	43	133879	17.260	ug/l #	97
44) Trichloroethene	8.53	130	204109	17.782	ug/l	88
45) 1,2-Dichloropropane	8.93	63	126016	17.502	ug/l	91
46) Dibromomethane	9.05	93	102740	17.161	ug/l	83
47) Bromodichloromethane	9.36	83	279067	18.286	ug/l	96
48) Methyl methacrylate	9.11	41	89895	17.869	ug/l #	83
49) 1,4-Dioxane	9.08	88	13940	324.330	ug/l #	73
51) 4-Methyl-2-Pentanone	10.30	43	457684	86.762	ug/l	98
52) Toluene	10.51	92	341056	18.102	ug/l	92
53) t-1,3-Dichloropropene	10.91	75	234067	17.790	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	263280	19.040	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	116428	18.297	ug/l	92
56) Ethyl methacrylate	11.04	69	126336	18.132	ug/l	96
57) 1,3-Dichloropropane	11.40	76	179234	17.878	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	332010	91.574	ug/l	100
59) 2-Hexanone	11.53	43	354476	93.246	ug/l	95
60) Dibromochloromethane	11.68	129	213864	17.804	ug/l	92
61) 1,2-Dibromoethane	11.81	107	147431	18.777	ug/l	96
64) Tetrachloroethene	11.25	164	186532	18.661	ug/l	90
65) Chlorobenzene	12.40	112	441817	18.307	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	174312	16.397	ug/l	98
67) Ethyl Benzene	12.52	91	680205	16.592	ug/l	98
68) m/p-Xylenes	12.66	106	525058	34.923	ug/l	100
69) o-Xylene	13.05	106	256210	18.557	ug/l	100
70) Styrene	13.07	104	440730	18.000	ug/l	98
71) Bromoform	13.23	173	132721	17.168	ug/l	90
73) Isopropylbenzene	13.40	105	784580	18.473	ug/l	100
74) N-amyl acetate	13.26	43	198316	17.663	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	134600	18.657	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	137245	16.885	ug/l	97
77) Bromobenzene	13.67	156	215022	17.772	ug/l	92
78) n-propylbenzene	13.77	91	924158	18.284	ug/l	99
79) 2-Chlorotoluene	13.83	91	519019	17.722	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	669038	18.264	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	34162	15.136	ug/l	85
82) 4-Chlorotoluene	13.94	91	646357	18.753	ug/l	94
83) tert-Butylbenzene	14.19	119	754354	18.035	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	640547	16.905	ug/l	98
85) sec-Butylbenzene	14.37	105	795660	18.055	ug/l	95
86) p-Isopropyltoluene	14.48	119	804340	19.123	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	381554	17.807	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	390293	18.013	ug/l	96
89) n-Butylbenzene	14.80	91	652842	17.971	ug/l	97
90) Hexachloroethane	15.01	117	197168	17.992	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	333650	17.872	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	24456	16.642	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	252526	17.051	ug/l	97
94) Hexachlorobutadiene	16.04	225	182360	16.991	ug/l	98
95) Naphthalene	16.12	128	361974	17.293	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	189221	16.173	ug/l	94

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

