

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD033119\
 Data File : VD061445.D
 Acq On : 31 Mar 2019 14:28
 Operator : VA/AP
 Sample : VD0331SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0331SBS01

Quant Time: Apr 01 01:53:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	685131	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	1133579	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.39	117	941526	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	399142	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.49	65	259269	44.30	ug/l	0.05
Spiked Amount	50.000		Recovery	=	88.60%	
35) Dibromofluoromethane	6.95	113	406777	46.96	ug/l	0.05
Spiked Amount	50.000		Recovery	=	93.92%	
50) Toluene-d8	10.44	98	969087	46.64	ug/l	0.05
Spiked Amount	50.000		Recovery	=	93.28%	
62) 4-Bromofluorobenzene	13.57	95	387300	48.61	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.22%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.59	85	142085	19.419 ug/l	96
3) Chloromethane	1.77	50	116886	19.588 ug/l	96
4) Vinyl Chloride	1.86	62	104451	19.064 ug/l	95
5) Bromomethane	2.16	94	18467	16.997 ug/l #	90
6) Chloroethane	2.27	64	27526	17.131 ug/l	99
7) Trichlorofluoromethane	2.54	101	140673	17.656 ug/l	99
8) Diethyl Ether	2.90	74	50057	19.514 ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.16	101	163811	19.124 ug/l	96
10) Methyl Iodide	3.33	142	198399	17.646 ug/l	99
11) Tert butyl alcohol	4.09	59	36441	99.979 ug/l #	93
12) 1,1-Dichloroethene	3.14	96	145140	19.736 ug/l	95
13) Acrolein	3.06	56	29023	89.829 ug/l	86
14) Allyl chloride	3.65	41	197743	19.279 ug/l	98
15) Acrylonitrile	4.22	53	123869	97.916 ug/l	96
16) Acetone	3.24	43	137924	91.673 ug/l	98
17) Carbon Disulfide	3.39	76	447143	18.714 ug/l	98
18) Methyl Acetate	3.66	43	67076	21.204 ug/l	99
19) Methyl tert-butyl Ether	4.27	73	258639	20.318 ug/l	96
20) Methylene Chloride	3.84	84	163775	18.211 ug/l	98
21) trans-1,2-Dichloroethene	4.25	96	155227	19.551 ug/l	98
22) Diisopropyl ether	5.15	45	455261	20.974 ug/l	97
23) Vinyl Acetate	5.08	43	1184418	100.457 ug/l	98
24) 1,1-Dichloroethane	5.01	63	250633	19.648 ug/l	99
25) 2-Butanone	6.10	43	183937	97.190 ug/l	100
26) 2,2-Dichloropropane	6.06	77	214946	21.197 ug/l	99
27) cis-1,2-Dichloroethene	6.07	96	177646	20.422 ug/l	98
28) Bromochloromethane	6.46	49	97886	19.010 ug/l #	89
29) Tetrahydrofuran	6.48	42	91557	99.810 ug/l	98
30) Chloroform	6.70	83	267351	20.284 ug/l	99
31) Cyclohexane	6.99	56	186421	18.494 ug/l	99
32) 1,1,1-Trichloroethane	6.90	97	231825	19.936 ug/l	96
36) 1,1-Dichloropropene	7.18	75	198686	20.082 ug/l	99
37) Ethyl Acetate	6.22	43	87964	20.789 ug/l	97
38) Carbon Tetrachloride	7.14	117	220444	19.390 ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	216851	21.045	ug/l	97
40) Benzene	7.49	78	488295	19.665	ug/l	97
41) Methacrylonitrile	6.47	41	103515	20.923	ug/l #	96
42) 1,2-Dichloroethane	7.60	62	150990	20.329	ug/l	97
43) Isopropyl Acetate	9.27	43	124978	20.301	ug/l	100
44) Trichloroethene	8.57	130	180958	19.583	ug/l	96
45) 1,2-Dichloropropane	8.97	63	121951	19.369	ug/l	96
46) Dibromomethane	9.09	93	91062	21.488	ug/l	96
47) Bromodichloromethane	9.40	83	190119	19.988	ug/l	97
48) Methyl methacrylate	9.15	41	68132	20.053	ug/l	97
49) 1,4-Dioxane	9.11	88	17791	474.735	ug/l	96
51) 4-Methyl-2-Pentanone	10.33	43	397012	105.997	ug/l	100
52) Toluene	10.54	92	316165	20.871	ug/l	97
53) t-1,3-Dichloropropene	10.94	75	177689	20.562	ug/l	98
54) cis-1,3-Dichloropropene	10.06	75	199195	18.930	ug/l	100
55) 1,1,2-Trichloroethane	11.22	97	112565	21.248	ug/l	99
56) Ethyl methacrylate	11.07	69	124353	21.850	ug/l	99
57) 1,3-Dichloropropane	11.43	76	159561	20.492	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.89	63	293212	105.793	ug/l	99
59) 2-Hexanone	11.55	43	284515	104.843	ug/l	98
60) Dibromochloromethane	11.71	129	160421	19.643	ug/l	98
61) 1,2-Dibromoethane	11.83	107	122164	19.914	ug/l	97
64) Tetrachloroethene	11.29	164	144433	19.546	ug/l	96
65) Chlorobenzene	12.42	112	386468	20.085	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.54	131	152176	20.426	ug/l	99
67) Ethyl Benzene	12.55	91	612517	20.855	ug/l	100
68) m/p-Xylenes	12.69	106	443871	39.897	ug/l	98
69) o-Xylene	13.07	106	223852	20.734	ug/l	98
70) Styrene	13.10	104	380350	20.210	ug/l	99
71) Bromoform	13.25	173	97102	20.561	ug/l	98
73) Isopropylbenzene	13.42	105	619705	22.308	ug/l	99
74) N-amyl acetate	13.28	43	165490	21.385	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.72	83	126948	21.663	ug/l	98
76) 1,2,3-Trichloropropane	13.75	75	129058	22.384	ug/l	99
77) Bromobenzene	13.69	156	173072	21.015	ug/l	91
78) n-propylbenzene	13.79	91	750981	22.090	ug/l	94
79) 2-Chlorotoluene	13.85	91	399646	21.650	ug/l	95
80) 1,3,5-Trimethylbenzene	13.95	105	479489	22.246	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.49	75	32942	18.739	ug/l #	88
82) 4-Chlorotoluene	13.96	91	433502	21.598	ug/l	93
83) tert-Butylbenzene	14.21	119	580740	21.559	ug/l	93
84) 1,2,4-Trimethylbenzene	14.26	105	481306	20.626	ug/l	97
85) sec-Butylbenzene	14.39	105	595255	20.802	ug/l	99
86) p-Isopropyltoluene	14.50	119	500339	20.677	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	309689	22.206	ug/l	95
88) 1,4-Dichlorobenzene	14.55	146	275208	20.236	ug/l	96
89) n-Butylbenzene	14.82	91	478532	21.546	ug/l	96
90) Hexachloroethane	15.03	117	144115	21.082	ug/l	88
91) 1,2-Dichlorobenzene	14.83	146	262554	22.952	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.40	75	15571	22.655	ug/l #	52

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	131099	25.158	ug/l	95
94) Hexachlorobutadiene	16.05	225	88541	21.744	ug/l	96
95) Naphthalene	16.14	128	215653	27.150	ug/l	99
96) 1,2,3-Trichlorobenzene	16.29	180	77708	33.888	ug/l	98

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

