

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD043019\
 Data File : VD062085.D
 Acq On : 30 Apr 2019 14:11
 Operator : FY/SY
 Sample : VD0430SBS01
 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0430SBS01

Quant Time: May 01 01:13:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	541045	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	855303	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	724080	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	342904	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	225109	53.16	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.32%	
35) Dibromofluoromethane	6.91	113	311656	52.69	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.38%	
50) Toluene-d8	10.39	98	711252	50.53	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	13.54	95	305778	54.16	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	108.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	88980	18.418	ug/l	100
3) Chloromethane	1.75	50	77871	18.965	ug/l	97
4) Vinyl Chloride	1.85	62	75501	20.287	ug/l	96
5) Bromomethane	2.14	94	20413	18.187	ug/l	98
6) Chloroethane	2.24	64	26186	19.465	ug/l	89
7) Trichlorofluoromethane	2.52	101	120257	21.371	ug/l	99
8) Diethyl Ether	2.86	74	31520	20.900	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	116660	22.506	ug/l	96
10) Methyl Iodide	3.30	142	114398	18.341	ug/l #	94
11) Tert butyl alcohol	4.05	59	27320	114.189	ug/l	95
12) 1,1-Dichloroethene	3.12	96	92678	21.015	ug/l	98
13) Acrolein	3.02	56	26342	106.115	ug/l	87
14) Allyl chloride	3.61	41	133182	22.116	ug/l	96
15) Acrylonitrile	4.18	53	85690	115.663	ug/l	96
16) Acetone	3.21	43	111903	110.677	ug/l	92
17) Carbon Disulfide	3.37	76	243605	19.115	ug/l	99
18) Methyl Acetate	3.63	43	49255	25.816	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	189224	21.625	ug/l	93
20) Methylene Chloride	3.80	84	117084	22.001	ug/l	98
21) trans-1,2-Dichloroethene	4.20	96	102754	20.310	ug/l	99
22) Diisopropyl ether	5.10	45	283549	20.168	ug/l	98
23) Vinyl Acetate	5.04	43	766767	104.724	ug/l	99
24) 1,1-Dichloroethane	4.96	63	170733	20.091	ug/l	99
25) 2-Butanone	6.05	43	129144	105.350	ug/l	100
26) 2,2-Dichloropropane	6.01	77	156100	21.056	ug/l	100
27) cis-1,2-Dichloroethene	6.02	96	119340	20.735	ug/l	96
28) Bromochloromethane	6.42	49	76014	23.378	ug/l	97
29) Tetrahydrofuran	6.45	42	63842	105.697	ug/l	98
30) Chloroform	6.65	83	196077	20.315	ug/l	95
31) Cyclohexane	6.94	56	110682	17.548	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	172817	20.578	ug/l	93
36) 1,1-Dichloropropene	7.13	75	137637	20.655	ug/l	97
37) Ethyl Acetate	6.15	43	62269	21.928	ug/l #	92
38) Carbon Tetrachloride	7.10	117	187707	22.230	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	130655	19.873	ug/l	97
40) Benzene	7.44	78	329226	19.956	ug/l	97
41) Methacrylonitrile	6.44	41	73725	22.252	ug/l #	89
42) 1,2-Dichloroethane	7.56	62	117768	21.025	ug/l	97
43) Isopropyl Acetate	9.22	43	88331	21.289	ug/l	96
44) Trichloroethene	8.52	130	131975	20.635	ug/l	99
45) 1,2-Dichloropropane	8.93	63	83232	19.887	ug/l	98
46) Dibromomethane	9.05	93	64586	21.447	ug/l	98
47) Bromodichloromethane	9.36	83	151904	21.348	ug/l	98
48) Methyl methacrylate	9.10	41	50385	21.284	ug/l	97
49) 1,4-Dioxane	9.07	88	12617	494.350	ug/l	94
51) 4-Methyl-2-Pentanone	10.29	43	280735	110.637	ug/l	99
52) Toluene	10.49	92	212404	20.193	ug/l	95
53) t-1,3-Dichloropropene	10.90	75	133152	22.293	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	152988	21.060	ug/l	98
55) 1,1,2-Trichloroethane	11.17	97	81574	23.100	ug/l	97
56) Ethyl methacrylate	11.02	69	82806	21.172	ug/l	94
57) 1,3-Dichloropropane	11.40	76	110599	20.278	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	221857	122.006	ug/l	99
59) 2-Hexanone	11.52	43	214282	112.576	ug/l	100
60) Dibromochloromethane	11.67	129	132115	22.610	ug/l	100
61) 1,2-Dibromoethane	11.79	107	92680	22.124	ug/l	97
64) Tetrachloroethene	11.24	164	101288	19.609	ug/l	95
65) Chlorobenzene	12.39	112	275761	20.154	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.50	131	122396	21.089	ug/l	91
67) Ethyl Benzene	12.51	91	460929	20.639	ug/l	99
68) m/p-Xylenes	12.66	106	325285	40.300	ug/l	98
69) o-Xylene	13.04	106	143160	19.385	ug/l	98
70) Styrene	13.06	104	273352	21.436	ug/l	99
71) Bromoform	13.23	173	70049	21.170	ug/l #	94
73) Isopropylbenzene	13.40	105	404015	17.663	ug/l	99
74) N-amyl acetate	13.26	43	113027	19.187	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	85492	19.073	ug/l	95
76) 1,2,3-Trichloropropane	13.72	75	86322	19.824	ug/l	99
77) Bromobenzene	13.66	156	118296	18.028	ug/l	98
78) n-propylbenzene	13.76	91	538222	20.554	ug/l	97
79) 2-Chlorotoluene	13.83	91	311571	19.644	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	370135	20.294	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	24439	18.521	ug/l	96
82) 4-Chlorotoluene	13.94	91	354865	20.316	ug/l	96
83) tert-Butylbenzene	14.18	119	427015	20.210	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	372833	21.408	ug/l	98
85) sec-Butylbenzene	14.36	105	468949	20.541	ug/l	99
86) p-Isopropyltoluene	14.48	119	408770	20.006	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	228755	19.907	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	230819	21.479	ug/l	93
89) n-Butylbenzene	14.79	91	362156	19.743	ug/l	98
90) Hexachloroethane	15.00	117	109418	19.804	ug/l	94
91) 1,2-Dichlorobenzene	14.80	146	199228	21.018	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13611	22.106	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	108565	21.228	ug/l	98
94) Hexachlorobutadiene	16.03	225	74247	19.617	ug/l	99
95) Naphthalene	16.11	128	187666	22.726	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	62875	21.668	ug/l	98

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

