

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061492.D
 Acq On : 2 Apr 2019 3:58
 Operator : VA/AP
 Sample : VD0401SBS03
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0401SBS03

Quant Time: Apr 02 06:28:40 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	7.04	168	601087	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	986038	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.35	117	871833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	403381	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	280323	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	
35) Dibromofluoromethane	6.91	113	414496	55.01	ug/l	0.00
Spiked Amount			Recovery	=	110.02%	
50) Toluene-d8	10.39	98	1003012	55.50	ug/l	0.00
Spiked Amount			Recovery	=	111.00%	
62) 4-Bromofluorobenzene	13.54	95	359931	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	118449	18.452	ug/l	97
3) Chloromethane	1.76	50	101067	19.305	ug/l	96
4) Vinyl Chloride	1.86	62	95108	19.785	ug/l	96
5) Bromomethane	2.15	94	17375	18.228	ug/l #	97
6) Chloroethane	2.27	64	25624	18.177	ug/l	93
7) Trichlorofluoromethane	2.53	101	119558	17.104	ug/l	96
8) Diethyl Ether	2.87	74	49097	21.816	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	144804	19.269	ug/l	92
10) Methyl Iodide	3.31	142	179728	18.108	ug/l	99
11) Tert butyl alcohol	4.06	59	31018	97.000	ug/l	99
12) 1,1-Dichloroethene	3.13	96	124052	19.227	ug/l	99
13) Acrolein	3.03	56	20996	69.646	ug/l	99
14) Allyl chloride	3.62	41	187084	20.790	ug/l	99
15) Acrylonitrile	4.18	53	112862	101.689	ug/l	98
16) Acetone	3.22	43	113892	86.284	ug/l	95
17) Carbon Disulfide	3.37	76	372082	17.750	ug/l	98
18) Methyl Acetate	3.63	43	64458	23.226	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	236836	21.206	ug/l	99
20) Methylene Chloride	3.82	84	160761	20.612	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	137451	19.733	ug/l	99
22) Diisopropyl ether	5.11	45	412913	21.683	ug/l	97
23) Vinyl Acetate	5.05	43	1103639	106.693	ug/l	99
24) 1,1-Dichloroethane	4.97	63	231034	20.644	ug/l	99
25) 2-Butanone	6.05	43	160413	96.611	ug/l	99
26) 2,2-Dichloropropane	6.01	77	171852	19.317	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	164684	21.579	ug/l	95
28) Bromochloromethane	6.43	49	94612	20.943	ug/l #	97
29) Tetrahydrofuran	6.45	42	92398	114.810	ug/l	97
30) Chloroform	6.65	83	252726	21.855	ug/l	98
31) Cyclohexane	6.95	56	163392	18.475	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	196035	19.216	ug/l	99
36) 1,1-Dichloropropene	7.13	75	170714	19.837	ug/l	96
37) Ethyl Acetate	6.17	43	85837	23.322	ug/l	97
38) Carbon Tetrachloride	7.10	117	195898	19.810	ug/l	96

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39) Methylcyclohexane	8.85	83	170020	18.969	ug/l	97
40) Benzene	7.44	78	463102	21.441	ug/l	97
41) Methacrylonitrile	6.43	41	102774	23.882	ug/l #	89
42) 1,2-Dichloroethane	7.57	62	150345	23.271	ug/l	99
43) Isopropyl Acetate	9.22	43	116396	21.736	ug/l	97
44) Trichloroethene	8.52	130	164241	20.434	ug/l	97
45) 1,2-Dichloropropane	8.93	63	119972	21.906	ug/l	99
46) Dibromomethane	9.04	93	82060	22.261	ug/l	96
47) Bromodichloromethane	9.36	83	176309	21.310	ug/l	98
48) Methyl methacrylate	9.10	41	68199	23.076	ug/l	97
49) 1,4-Dioxane	9.07	88	13637	418.338	ug/l	90
51) 4-Methyl-2-Pentanone	10.28	43	370089	113.594	ug/l	97
52) Toluene	10.49	92	271229	20.584	ug/l	100
53) t-1,3-Dichloropropene	10.89	75	157186	20.911	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	191228	20.892	ug/l	96
55) 1,1,2-Trichloroethane	11.17	97	103200	22.395	ug/l	97
56) Ethyl methacrylate	11.02	69	105577	21.327	ug/l	95
57) 1,3-Dichloropropane	11.39	76	142611	21.055	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	325387	134.969	ug/l	97
59) 2-Hexanone	11.52	43	280199	118.702	ug/l	99
60) Dibromochloromethane	11.67	129	156672	22.054	ug/l	100
61) 1,2-Dibromoethane	11.79	107	115920	21.724	ug/l	100
64) Tetrachloroethene	11.24	164	130461	19.067	ug/l	99
65) Chlorobenzene	12.38	112	357931	20.089	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.50	131	145322	21.065	ug/l	99
67) Ethyl Benzene	12.51	91	585566	21.531	ug/l	96
68) m/p-Xylenes	12.66	106	413721	40.160	ug/l	97
69) o-Xylene	13.04	106	204261	20.432	ug/l	96
70) Styrene	13.06	104	354985	20.370	ug/l	98
71) Bromoform	13.23	173	89683	20.508	ug/l	97
73) Isopropylbenzene	13.40	105	552401	19.676	ug/l	100
74) N-amyl acetate	13.26	43	158303	20.241	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	114608	19.352	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	117757	20.209	ug/l	97
77) Bromobenzene	13.66	156	146103	17.554	ug/l	86
78) n-propylbenzene	13.76	91	672399	19.571	ug/l	96
79) 2-Chlorotoluene	13.83	91	370925	19.883	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	410076	18.826	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	30872	17.377	ug/l	92
82) 4-Chlorotoluene	13.94	91	409393	20.183	ug/l	90
83) tert-Butylbenzene	14.18	119	492206	18.081	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	445684	18.899	ug/l	96
85) sec-Butylbenzene	14.36	105	514845	17.803	ug/l	99
86) p-Isopropyltoluene	14.48	119	506824	20.725	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	293371	20.815	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	277707	20.205	ug/l	97
89) n-Butylbenzene	14.79	91	450731	20.081	ug/l	97
90) Hexachloroethane	15.00	117	128482	18.597	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	234210	20.259	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	14352	20.662	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	104453	19.834	ug/l	98
94) Hexachlorobutadiene	16.03	225	78674	19.118	ug/l	97
95) Naphthalene	16.11	128	155555	19.378	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	44190	19.069	ug/l	97

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

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