

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
 Data File : VD061557.D
 Acq On : 3 Apr 2019 15:57
 Operator : VA/AP
 Sample : VD0403SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0403SBS01

Quant Time: Apr 04 01:46:14 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	7.05	168	640043	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	1029945	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	803200	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	408623	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	271479	49.65	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	99.30%	
35) Dibromofluoromethane	6.93	113	421700	53.58	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	107.16%	
50) Toluene-d8	10.42	98	990433	52.47	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	13.56	95	382347	52.82	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	105.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	139506	20.409	ug/l	96
3) Chloromethane	1.76	50	120014	21.529	ug/l	100
4) Vinyl Chloride	1.85	62	114414	22.353	ug/l	100
5) Bromomethane	2.15	94	18363	18.092	ug/l	93
6) Chloroethane	2.26	64	32280	21.505	ug/l	100
7) Trichlorofluoromethane	2.53	101	162688	21.858	ug/l	99
8) Diethyl Ether	2.88	74	49329	20.585	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	174506	21.808	ug/l	100
10) Methyl Iodide	3.31	142	205877	19.217	ug/l	98
11) Tert butyl alcohol	4.07	59	37049	108.808	ug/l	97
12) 1,1-Dichloroethene	3.13	96	146981	21.395	ug/l	97
13) Acrolein	3.04	56	21560	66.265	ug/l	97
14) Allyl chloride	3.63	41	211563	22.079	ug/l	98
15) Acrylonitrile	4.20	53	136826	115.777	ug/l	95
16) Acetone	3.22	43	154114	109.650	ug/l	99
17) Carbon Disulfide	3.38	76	449539	20.140	ug/l	100
18) Methyl Acetate	3.65	43	67830	22.953	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	267367	22.483	ug/l	98
20) Methylene Chloride	3.82	84	216414	26.587	ug/l	100
21) trans-1,2-Dichloroethene	4.23	96	166526	22.452	ug/l	98
22) Diisopropyl ether	5.12	45	487826	24.058	ug/l	99
23) Vinyl Acetate	5.06	43	1274578	115.719	ug/l	99
24) 1,1-Dichloroethane	4.99	63	263485	22.111	ug/l	100
25) 2-Butanone	6.07	43	194259	109.874	ug/l	97
26) 2,2-Dichloropropane	6.03	77	218075	23.021	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	178656	21.985	ug/l	98
28) Bromochloromethane	6.44	49	91861	19.096	ug/l #	97
29) Tetrahydrofuran	6.46	42	95200	111.092	ug/l	99
30) Chloroform	6.67	83	277452	22.533	ug/l	99
31) Cyclohexane	6.95	56	199380	21.172	ug/l	89
32) 1,1,1-Trichloroethane	6.87	97	246123	22.657	ug/l	96
36) 1,1-Dichloropropene	7.15	75	210814	23.452	ug/l	97
37) Ethyl Acetate	6.19	43	95408	24.817	ug/l	97
38) Carbon Tetrachloride	7.11	117	240918	23.324	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	223598	23.883	ug/l	97
40) Benzene	7.46	78	480831	21.313	ug/l	97
41) Methacrylonitrile	6.45	41	107846	23.992	ug/l	94
42) 1,2-Dichloroethane	7.58	62	161784	23.974	ug/l	99
43) Isopropyl Acetate	9.24	43	137766	24.629	ug/l	100
44) Trichloroethene	8.55	130	193465	23.043	ug/l	98
45) 1,2-Dichloropropane	8.94	63	125885	22.006	ug/l	99
46) Dibromomethane	9.06	93	90617	23.535	ug/l	90
47) Bromodichloromethane	9.39	83	200125	23.157	ug/l	96
48) Methyl methacrylate	9.12	41	78472	25.420	ug/l	98
49) 1,4-Dioxane	9.09	88	18361	539.243	ug/l #	81
51) 4-Methyl-2-Pentanone	10.30	43	376349	110.591	ug/l	97
52) Toluene	10.51	92	348827	25.345	ug/l	95
53) t-1,3-Dichloropropene	10.91	75	179427	22.852	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	238530	24.949	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	109491	22.747	ug/l	96
56) Ethyl methacrylate	11.05	69	116354	22.502	ug/l	96
57) 1,3-Dichloropropane	11.41	76	165802	23.436	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	316889	125.841	ug/l	97
59) 2-Hexanone	11.53	43	325886	132.171	ug/l	100
60) Dibromochloromethane	11.69	129	172678	23.271	ug/l	95
61) 1,2-Dibromoethane	11.81	107	135042	24.229	ug/l	100
64) Tetrachloroethene	11.27	164	149243	23.676	ug/l	96
65) Chlorobenzene	12.41	112	412354	25.121	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	159091	25.032	ug/l	98
67) Ethyl Benzene	12.53	91	645903	25.779	ug/l	97
68) m/p-Xylenes	12.67	106	496852	52.350	ug/l	96
69) o-Xylene	13.05	106	255965	27.792	ug/l	99
70) Styrene	13.08	104	441190	27.480	ug/l	98
71) Bromoform	13.23	173	97425	24.182	ug/l	99
73) Isopropylbenzene	13.40	105	650594	22.876	ug/l	97
74) N-amyl acetate	13.26	43	177807	22.443	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	129627	21.607	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	125621	21.282	ug/l	98
77) Bromobenzene	13.68	156	177960	21.107	ug/l	83
78) n-propylbenzene	13.78	91	817978	23.503	ug/l	97
79) 2-Chlorotoluene	13.84	91	423183	22.394	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	485191	21.988	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	35371	19.654	ug/l #	91
82) 4-Chlorotoluene	13.95	91	474256	23.081	ug/l	98
83) tert-Butylbenzene	14.19	119	575475	20.868	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	515187	21.566	ug/l	100
85) sec-Butylbenzene	14.37	105	684166	23.354	ug/l	100
86) p-Isopropyltoluene	14.49	119	578936	23.370	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	328717	23.024	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	323404	23.228	ug/l	99
89) n-Butylbenzene	14.80	91	447895	19.699	ug/l	99
90) Hexachloroethane	15.01	117	145685	20.817	ug/l	67
91) 1,2-Dichlorobenzene	14.81	146	242239	20.685	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	15140	21.517	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	137416	25.759	ug/l	98
94) Hexachlorobutadiene	16.04	225	98827	23.707	ug/l	98
95) Naphthalene	16.13	128	220832	27.157	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	69650	29.669	ug/l	93

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

