

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061467.D
 Acq On : 1 Apr 2019 14:36
 Operator : VA/AP
 Sample : VD0401SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0401SBS01

Quant Time: Apr 02 01:17:03 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	711600	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	1283490	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	1027934	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	465746	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	336426	55.34	ug/l	0.02
Spiked Amount			Recovery	=	110.68%	
35) Dibromofluoromethane	6.93	113	528254	53.86	ug/l	0.03
Spiked Amount			Recovery	=	107.72%	
50) Toluene-d8	10.41	98	1117484	47.50	ug/l	0.02
Spiked Amount			Recovery	=	95.00%	
62) 4-Bromofluorobenzene	13.56	95	494177	54.78	ug/l	0.01
Spiked Amount			Recovery	=	109.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	157075	20.669	ug/l	99
3) Chloromethane	1.77	50	135414	21.848	ug/l	98
4) Vinyl Chloride	1.86	62	121510	21.352	ug/l	99
5) Bromomethane	2.16	94	21006	18.615	ug/l #	96
6) Chloroethane	2.27	64	29999	17.976	ug/l	96
7) Trichlorofluoromethane	2.54	101	181762	21.965	ug/l	97
8) Diethyl Ether	2.89	74	56089	21.052	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.16	101	195626	21.989	ug/l	97
10) Methyl Iodide	3.32	142	229601	19.266	ug/l	99
11) Tert butyl alcohol	4.08	59	38961	102.917	ug/l	98
12) 1,1-Dichloroethene	3.14	96	167543	21.935	ug/l	96
13) Acrolein	3.04	56	32112	97.340	ug/l	97
14) Allyl chloride	3.63	41	240066	22.534	ug/l	99
15) Acrylonitrile	4.21	53	143829	109.465	ug/l	90
16) Acetone	3.23	43	165699	106.037	ug/l	96
17) Carbon Disulfide	3.39	76	553038	22.285	ug/l	99
18) Methyl Acetate	3.65	43	71531	21.771	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	286542	21.672	ug/l	100
20) Methylene Chloride	3.82	84	205062	22.364	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	184716	22.400	ug/l	98
22) Diisopropyl ether	5.13	45	494294	21.926	ug/l	96
23) Vinyl Acetate	5.06	43	1359010	110.977	ug/l	98
24) 1,1-Dichloroethane	4.99	63	287010	21.663	ug/l	99
25) 2-Butanone	6.07	43	200960	102.235	ug/l	100
26) 2,2-Dichloropropane	6.04	77	239985	22.786	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	200613	22.204	ug/l	94
28) Bromochloromethane	6.44	49	113175	21.161	ug/l	99
29) Tetrahydrofuran	6.45	42	108313	113.684	ug/l	98
30) Chloroform	6.67	83	315307	23.032	ug/l	95
31) Cyclohexane	6.96	56	255231	24.378	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	271750	22.501	ug/l	95
36) 1,1-Dichloropropene	7.15	75	231205	20.640	ug/l	97
37) Ethyl Acetate	6.19	43	103192	21.540	ug/l	98
38) Carbon Tetrachloride	7.12	117	260330	20.224	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	261637	22.426	ug/l	97
40) Benzene	7.46	78	596449	21.215	ug/l	96
41) Methacrylonitrile	6.44	41	121216	21.639	ug/l #	92
42) 1,2-Dichloroethane	7.58	62	186637	22.193	ug/l	99
43) Isopropyl Acetate	9.24	43	139046	19.948	ug/l	100
44) Trichloroethene	8.54	130	215808	20.627	ug/l	99
45) 1,2-Dichloropropane	8.94	63	142219	19.950	ug/l	95
46) Dibromomethane	9.06	93	100214	20.886	ug/l	93
47) Bromodichloromethane	9.37	83	221719	20.588	ug/l	100
48) Methyl methacrylate	9.12	41	85206	22.149	ug/l	97
49) 1,4-Dioxane	9.08	88	18444	434.676	ug/l	91
51) 4-Methyl-2-Pentanone	10.30	43	441219	104.041	ug/l	99
52) Toluene	10.51	92	368362	21.477	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	194274	19.855	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	249161	20.913	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	131509	21.924	ug/l	97
56) Ethyl methacrylate	11.04	69	124507	19.322	ug/l	96
57) 1,3-Dichloropropane	11.40	76	190855	21.648	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	350832	111.798	ug/l	95
59) 2-Hexanone	11.53	43	326913	106.396	ug/l	100
60) Dibromochloromethane	11.69	129	180275	19.495	ug/l	99
61) 1,2-Dibromoethane	11.81	107	147735	21.270	ug/l	98
64) Tetrachloroethene	11.26	164	168218	20.851	ug/l	98
65) Chlorobenzene	12.40	112	452989	21.563	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	181112	22.266	ug/l	99
67) Ethyl Benzene	12.53	91	761226	23.740	ug/l	99
68) m/p-Xylenes	12.67	106	482064	39.688	ug/l	98
69) o-Xylene	13.05	106	262841	22.299	ug/l	98
70) Styrene	13.07	104	443232	21.571	ug/l	97
71) Bromoform	13.23	173	102950	19.966	ug/l	97
73) Isopropylbenzene	13.40	105	719850	22.207	ug/l	99
74) N-amyl acetate	13.26	43	183178	20.286	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	137476	20.105	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	136875	20.345	ug/l	96
77) Bromobenzene	13.67	156	195239	20.317	ug/l	90
78) n-propylbenzene	13.78	91	849619	21.418	ug/l	99
79) 2-Chlorotoluene	13.83	91	469328	21.789	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	579005	23.021	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	39877	19.440	ug/l	89
82) 4-Chlorotoluene	13.94	91	548517	23.421	ug/l	89
83) tert-Butylbenzene	14.19	119	670778	21.341	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	564472	20.731	ug/l	100
85) sec-Butylbenzene	14.37	105	686908	20.572	ug/l	99
86) p-Isopropyltoluene	14.49	119	631057	22.350	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	310038	19.052	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	336740	21.219	ug/l	95
89) n-Butylbenzene	14.80	91	576968	22.263	ug/l	99
90) Hexachloroethane	15.01	117	181909	22.805	ug/l	80
91) 1,2-Dichlorobenzene	14.81	146	302696	22.677	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	15893	19.817	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	129426	21.285	ug/l	94
94) Hexachlorobutadiene	16.04	225	101218	21.302	ug/l	99
95) Naphthalene	16.12	128	194619	20.998	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	58984	22.044	ug/l	96

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

