

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061818\
 Data File : VD058178.D
 Acq On : 18 Jun 2018 13:49
 Operator : VA/AP
 Sample : VD0618SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

Quant Time: Jun 19 05:48:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	839299	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	1092785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	891668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	464984	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	392584	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
35) Dibromofluoromethane	5.54	113	433004	51.21	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	8.71	98	964521	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
62) 4-Bromofluorobenzene	11.93	95	412971	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	227296	20.18	ug/l	95
3) Chloromethane	1.48	50	111025	20.01	ug/l	98
4) Vinyl Chloride	1.55	62	106150	19.77	ug/l	100
5) Bromomethane	1.79	94	33685	16.00	ug/l	97
6) Chloroethane	1.87	64	36370	17.17	ug/l #	80
7) Trichlorofluoromethane	2.07	101	145628	19.84	ug/l	97
8) Diethyl Ether	2.34	74	30111	22.08	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.55	101	90306	20.62	ug/l	94
10) Methyl Iodide	2.68	142	104430	18.48	ug/l	95
11) Tert butyl alcohol	3.27	59	27928	124.25	ug/l #	91
12) 1,1-Dichloroethene	2.54	96	70214	20.86	ug/l #	84
13) Acrolein	2.47	56	24682	76.67	ug/l	99
14) Allyl chloride	2.91	41	158914	20.47	ug/l	95
15) Acrylonitrile	3.35	53	79223	60.25	ug/l	89
16) Acetone	2.61	43	120775	99.90	ug/l	93
17) Carbon Disulfide	2.74	76	242779	19.91	ug/l	99
18) Methyl Acetate	2.93	43	47875	20.47	ug/l	99
19) Methyl tert-butyl Ether	3.40	73	199360	13.46	ug/l	96
20) Methylene Chloride	3.06	84	80273	22.96	ug/l	90
21) trans-1,2-Dichloroethene	3.37	96	72487	9.67	ug/l #	82
22) Diisopropyl ether	4.06	45	627042	20.38	ug/l	99
23) Vinyl Acetate	4.01	43	1752437	110.25	ug/l	98
24) 1,1-Dichloroethane	3.96	63	353419	20.90	ug/l	99
25) 2-Butanone	4.83	43	284094	103.41	ug/l #	89
26) 2,2-Dichloropropane	4.79	77	300074	21.55	ug/l	93
27) cis-1,2-Dichloroethene	4.80	96	188479	21.20	ug/l	93
28) Bromochloromethane	5.14	49	155180	21.21	ug/l	96
29) Tetrahydrofuran	5.18	42	148102	102.83	ug/l	97
30) Chloroform	5.32	83	362933	21.33	ug/l	100
31) Cyclohexane	5.59	56	292632	20.06	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	288402	20.24	ug/l	99
36) 1,1-Dichloropropene	5.74	75	255217	21.20	ug/l	99
37) Ethyl Acetate	4.92	43	131815	20.06	ug/l #	93
38) Carbon Tetrachloride	5.72	117	258701	21.80	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	261523	21.91	ug/l	95
40) Benzene	6.01	78	605753	21.54	ug/l	98
41) Methacrylonitrile	5.12	41	70941	23.62	ug/l #	90
42) 1,2-Dichloroethane	6.12	62	240691	21.17	ug/l	100
43) Isopropyl Acetate	7.62	43	181371	21.08	ug/l #	98
44) Trichloroethene	6.98	130	176132	21.44	ug/l	98
45) 1,2-Dichloropropane	7.34	63	161410	20.65	ug/l	98
46) Dibromomethane	7.46	93	111970	22.30	ug/l	98
47) Bromodichloromethane	7.73	83	258491	21.99	ug/l	99
48) Methyl methacrylate	7.51	41	107919	20.38	ug/l	92
49) 1,4-Dioxane	7.50	88	21897	499.08	ug/l #	78
51) 4-Methyl-2-Pentanone	8.59	43	606781	109.94	ug/l	99
52) Toluene	8.80	92	344301	21.33	ug/l	92
53) t-1,3-Dichloropropene	9.18	75	218870	21.61	ug/l	100
54) cis-1,3-Dichloropropene	8.35	75	255412	21.40	ug/l	99
55) 1,1,2-Trichloroethane	9.45	97	119206	22.82	ug/l	96
56) Ethyl methacrylate	9.31	69	139533	21.77	ug/l	95
57) 1,3-Dichloropropane	9.66	76	204284	22.30	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	366273	113.13	ug/l	95
59) 2-Hexanone	9.78	43	440213	108.84	ug/l	99
60) Dibromochloromethane	9.96	129	162298	22.03	ug/l	94
61) 1,2-Dibromoethane	10.09	107	130277	21.69	ug/l	96
64) Tetrachloroethene	9.51	164	174096	21.84	ug/l	97
65) Chlorobenzene	10.72	112	395597	21.92	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	150157	21.65	ug/l	93
67) Ethyl Benzene	10.85	91	708452	21.72	ug/l	99
68) m/p-Xylenes	11.01	106	488044	45.91	ug/l	91
69) o-Xylene	11.41	106	218418	20.70	ug/l	99
70) Styrene	11.43	104	385950	22.09	ug/l	99
71) Bromoform	11.59	173	117782	22.58	ug/l #	94
73) Isopropylbenzene	11.77	105	671266	21.80	ug/l	100
74) N-amyl acetate	11.64	43	246193	20.72	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	141746	21.11	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	150286	21.52	ug/l	97
77) Bromobenzene	12.04	156	193596	21.24	ug/l	96
78) n-propylbenzene	12.15	91	851457	21.25	ug/l	100
79) 2-Chlorotoluene	12.21	91	489640	21.42	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	514180	21.41	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	36911	21.34	ug/l	95
82) 4-Chlorotoluene	12.32	91	546384	22.85	ug/l	98
83) tert-Butylbenzene	12.58	119	567275	20.92	ug/l	97
84) 1,2,4-Trimethylbenzene	12.63	105	541194	20.96	ug/l	99
85) sec-Butylbenzene	12.75	105	708621	21.65	ug/l	99
86) p-Isopropyltoluene	12.88	119	568399	21.55	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	334516	21.69	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	326864	21.75	ug/l	95
89) n-Butylbenzene	13.20	91	599708	22.85	ug/l	98
90) Hexachloroethane	13.40	117	147053	21.84	ug/l	96
91) 1,2-Dichlorobenzene	13.19	146	284241	22.81	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	22405	21.62	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	259062	22.25	ug/l	99
94) Hexachlorobutadiene	14.44	225	205467	22.44	ug/l	96
95) Naphthalene	14.52	128	346432	23.08	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	234827	23.67	ug/l	96

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

