

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061918\
 Data File : VD058196.D
 Acq On : 19 Jun 2018 16:02
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jun 20 05:01:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:00:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	935139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1201321	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	966509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	473705	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	93090	9.75	ug/l	0.00
Spiked Amount			Recovery	=	19.50%	
35) Dibromofluoromethane	5.54	113	97899	10.27	ug/l	0.00
Spiked Amount			Recovery	=	20.54%	
50) Toluene-d8	8.70	98	245181	10.73	ug/l	0.00
Spiked Amount			Recovery	=	21.46%	
62) 4-Bromofluorobenzene	11.93	95	101233	10.35	ug/l	0.00
Spiked Amount			Recovery	=	20.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	113242	9.41	ug/l	97
3) Chloromethane	1.47	50	53083	8.94	ug/l	97
4) Vinyl Chloride	1.55	62	51035	8.80	ug/l	100
5) Bromomethane	1.78	94	19230	8.76	ug/l	97
6) Chloroethane	1.87	64	21042	9.43	ug/l	99
7) Trichlorofluoromethane	2.07	101	73841	9.41	ug/l	90
8) Diethyl Ether	2.34	74	14194	9.49	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.54	101	42349	8.95	ug/l	98
10) Methyl Iodide	2.68	142	42594	7.02	ug/l	88
11) Tert butyl alcohol	3.25	59	16573	64.55	ug/l #	95
12) 1,1-Dichloroethene	2.53	96	32346	8.89	ug/l	96
13) Acrolein	2.46	56	10515	32.65	ug/l	90
14) Allyl chloride	2.92	41	74888	8.81	ug/l	98
15) Acrylonitrile	3.35	53	41139	30.00	ug/l #	88
16) Acetone	2.60	43	68637	50.90	ug/l #	91
17) Carbon Disulfide	2.75	76	108859	8.35	ug/l	97
18) Methyl Acetate	2.93	43	27234	10.19	ug/l	95
19) Methyl tert-butyl Ether	3.40	73	86430	5.69	ug/l	99
20) Methylene Chloride	3.06	84	45235	10.00	ug/l	93
21) trans-1,2-Dichloroethene	3.38	96	35670	4.76	ug/l	94
22) Diisopropyl ether	4.07	45	310052	9.30	ug/l	95
23) Vinyl Acetate	4.01	43	800631	46.05	ug/l	100
24) 1,1-Dichloroethane	3.96	63	160647	8.75	ug/l	99
25) 2-Butanone	4.84	43	140771	46.52	ug/l	93
26) 2,2-Dichloropropane	4.80	77	136106	9.02	ug/l	98
27) cis-1,2-Dichloroethene	4.80	96	92930	9.59	ug/l	99
28) Bromochloromethane	5.13	49	78624	9.80	ug/l	99
29) Tetrahydrofuran	5.19	42	73976	46.04	ug/l	97
30) Chloroform	5.32	83	171228	9.22	ug/l	94
31) Cyclohexane	5.58	56	149412	9.43	ug/l	94
32) 1,1,1-Trichloroethane	5.51	97	133886	8.61	ug/l	98
36) 1,1-Dichloropropene	5.74	75	126573	9.76	ug/l	98
37) Ethyl Acetate	4.92	43	67736	9.35	ug/l	98
38) Carbon Tetrachloride	5.72	117	122409	9.54	ug/l	96

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39) Methylcyclohexane	7.28	83	117265	9.19	ug/l	97
40) Benzene	6.01	78	294102	9.70	ug/l	98
41) Methacrylonitrile	5.12	41	34738	10.57	ug/l	91
42) 1,2-Dichloroethane	6.13	62	113619	9.24	ug/l	96
43) Isopropyl Acetate	7.62	43	86270	9.10	ug/l #	84
44) Trichloroethene	6.98	130	85242	9.62	ug/l	96
45) 1,2-Dichloropropane	7.35	63	75898	9.01	ug/l	95
46) Dibromomethane	7.46	93	52419	9.54	ug/l	90
47) Bromodichloromethane	7.75	83	110602	8.74	ug/l	91
48) Methyl methacrylate	7.50	41	56064	9.65	ug/l	93
49) 1,4-Dioxane	7.49	88	9273	186.46	ug/l #	77
51) 4-Methyl-2-Pentanone	8.60	43	305956	50.24	ug/l	98
52) Toluene	8.80	92	167186	9.60	ug/l	100
53) t-1,3-Dichloropropene	9.19	75	101712	9.23	ug/l #	88
54) cis-1,3-Dichloropropene	8.36	75	119541	9.24	ug/l	95
55) 1,1,2-Trichloroethane	9.45	97	60030	10.45	ug/l	96
56) Ethyl methacrylate	9.31	69	71199	10.09	ug/l	97
57) 1,3-Dichloropropane	9.67	76	95841	9.62	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	175873	49.16	ug/l	96
59) 2-Hexanone	9.79	43	221512	49.89	ug/l	96
60) Dibromochloromethane	9.96	129	74910	9.31	ug/l	89
61) 1,2-Dibromoethane	10.09	107	60636	9.20	ug/l	95
64) Tetrachloroethene	9.51	164	84992	9.96	ug/l	94
65) Chlorobenzene	10.72	112	187180	9.75	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.85	131	72289	9.78	ug/l	98
67) Ethyl Benzene	10.86	91	345757	10.01	ug/l	98
68) m/p-Xylenes	11.01	106	232177	20.51	ug/l	96
69) o-Xylene	11.40	106	110515	9.94	ug/l	96
70) Styrene	11.43	104	187721	10.14	ug/l	97
71) Bromoform	11.60	173	51019	9.00	ug/l #	97
73) Isopropylbenzene	11.78	105	322990	10.50	ug/l	98
74) N-amyl acetate	11.65	43	111620	9.26	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.08	83	74175	10.79	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	75727	10.59	ug/l	97
77) Bromobenzene	12.04	156	91177	9.98	ug/l	90
78) n-propylbenzene	12.15	91	416666	10.36	ug/l	98
79) 2-Chlorotoluene	12.22	91	231929	10.12	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	244605	10.10	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	15337	8.71	ug/l	95
82) 4-Chlorotoluene	12.33	91	273461	10.81	ug/l	94
83) tert-Butylbenzene	12.57	119	277344	10.19	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	250084	9.67	ug/l	99
85) sec-Butylbenzene	12.76	105	322562	9.81	ug/l	96
86) p-Isopropyltoluene	12.89	119	254442	9.66	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	157563	10.14	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	146430	9.62	ug/l	96
89) n-Butylbenzene	13.19	91	290897	10.61	ug/l	99
90) Hexachloroethane	13.40	117	61176	9.05	ug/l	68
91) 1,2-Dichlorobenzene	13.19	146	142917	11.19	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	10490	9.87	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	129105	10.84	ug/l	98
94) Hexachlorobutadiene	14.43	225	98723	10.64	ug/l	95
95) Naphthalene	14.51	128	167152	10.70	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	107246	10.52	ug/l	98

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

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