

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT050818\
 Data File : VT019041.D
 Acq On : 8 May 2018 17:47
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA T/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC010

Quant Time: May 09 04:07:20 2018
 Quant Method : W:\HPCHEM1\MSVOA_T\METHODS\2015\82T050818S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 09 03:54:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.44	168	1076103	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	8.38	114	1846434	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	1513213	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	741234	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) 1,2-Dichloroethane-d4	7.80	65	100051	11.36	ug/l	0.00
Spiked Amount			Recovery	=	22.72%	
34) Dibromofluoromethane	7.35	113	104032	10.40	ug/l	0.00
Spiked Amount			Recovery	=	20.80%	
49) Toluene-d8	9.90	98	443828	10.10	ug/l	0.00
Spiked Amount			Recovery	=	20.20%	
61) 4-Bromofluorobenzene	12.22	95	154651	10.16	ug/l	0.00
Spiked Amount			Recovery	=	20.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.79	85	120385	12.03	ug/l	90
3) Chloromethane	1.96	50	39650	4.29	ug/l	91
4) Vinyl Chloride	2.10	62	61851	6.23	ug/l #	85
5) Bromomethane	2.46	94	57680	10.39	ug/l	85
6) Chloroethane	2.57	64	38231	7.40	ug/l #	74
7) Trichlorofluoromethane	2.94	101	193051m	16.92	ug/l	
8) Diethyl Ether	3.21	74	30827	7.48	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.60	101	100111	10.18	ug/l	96
10) Methyl Iodide	3.77	142	150539	9.86	ug/l #	86
11) Tert butyl alcohol	4.55	59	29549	62.76	ug/l #	90
12) 1,1-Dichloroethene	3.57	96	88186	8.67	ug/l	96
13) Acrolein	3.39	56	12515	19.26	ug/l	96
14) Allyl chloride	4.06	41	181649	10.21	ug/l	94
15) Acrylonitrile	4.69	53	97765	45.92	ug/l	99
16) Acetone	3.59	43	52363	24.63	ug/l	99
17) Carbon Disulfide	4.06	76	361432m	12.93	ug/l	
18) Methyl Acetate	4.08	43	52233	5.76	ug/l	97
19) Methyl tert-butyl Ether	4.76	73	208766	10.84	ug/l	96
20) Methylene Chloride	4.32	84	116421m	9.83	ug/l	
21) trans-1,2-Dichloroethene	4.74	96	124952	11.43	ug/l	91
22) Diisopropyl ether	5.67	45	342507	10.90	ug/l	91
23) Vinyl Acetate	5.61	43	771821	66.08	ug/l	99
24) 1,1-Dichloroethane	5.56	63	248472	13.37	ug/l	98
25) 2-Butanone	6.57	43	120018	41.35	ug/l	97
26) 2,2-Dichloropropane	6.55	77	103237	11.80	ug/l	94
27) cis-1,2-Dichloroethene	6.56	96	125112	11.72	ug/l	89
28) Bromochloromethane	6.94	49	83985	11.05	ug/l	94
29) Chloroform	7.13	83	225696	13.26	ug/l	94
30) Cyclohexane	7.43	56	266304	12.59	ug/l #	90
31) 1,1,1-Trichloroethane	7.33	97	162192	12.45	ug/l	94
35) 1,1-Dichloropropene	7.56	75	205770	11.28	ug/l	96
36) Ethyl Acetate	6.68	43	51038	7.57	ug/l #	91
37) Carbon Tetrachloride	7.54	117	162025	10.62	ug/l	98
38) Methylcyclohexane	8.88	83	233961	10.04	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	7.82	78	555446	11.02	ug/l	97
40) Methacrylonitrile	6.92	41	21081m	5.30	ug/l	
41) 1,2-Dichloroethane	7.91	62	116486	9.60	ug/l	100
42) Isopropyl Acetate	7.96	43	86277	7.80	ug/l	# 93
43) Trichloroethene	8.63	130	124996	9.78	ug/l	92
44) 1,2-Dichloropropane	8.92	63	131528	11.26	ug/l	96
45) Dibromomethane	9.01	93	49365	9.63	ug/l	97
46) Bromodichloromethane	9.21	83	139978	10.49	ug/l	99
47) Methyl methacrylate	9.01	41	45502	7.26	ug/l	94
48) 1,4-Dioxane	9.01	88	10326	149.42	ug/l	94
50) 4-Methyl-2-Pentanone	9.80	43	258224	39.37	ug/l	96
51) Toluene	9.97	92	325779	10.42	ug/l	99
52) t-1,3-Dichloropropene	10.21	75	121599	9.46	ug/l	99
53) cis-1,3-Dichloropropene	9.65	75	162936	10.04	ug/l	97
54) 1,1,2-Trichloroethane	10.38	97	70348	9.19	ug/l	96
55) Ethyl methacrylate	10.25	69	76627	8.20	ug/l	96
56) 1,3-Dichloropropane	10.53	76	132479	9.97	ug/l	94
57) 2-Chloroethyl Vinyl ether	9.51	63	204627	52.59	ug/l	95
58) 2-Hexanone	10.57	43	180535	36.45	ug/l	98
59) Dibromochloromethane	10.73	129	71405	8.08	ug/l	88
60) 1,2-Dibromoethane	10.82	107	60525	8.57	ug/l	86
63) Tetrachloroethene	10.45	164	105767	9.58	ug/l	95
64) Chlorobenzene	11.25	112	327214	10.04	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.33	131	98386	9.60	ug/l	92
66) Ethyl Benzene	11.33	91	665636	11.71	ug/l	99
67) m/p-Xylenes	11.45	106	481858	21.21	ug/l	93
68) o-Xylene	11.77	106	205896	9.95	ug/l	96
69) Stvrene	11.78	104	336468	9.76	ug/l	96
70) Bromoform	11.95	173	33926	6.51	ug/l	# 97
72) Isopropylbenzene	12.08	105	644457	11.77	ug/l	94
73) N-amyl acetate	11.90	43	91717	8.76	ug/l	91
74) 1,1,2,2-Tetrachloroethane	12.32	83	86958	10.42	ug/l	97
75) 1,2,3-Trichloropropane	12.37	75	59644m	10.19	ug/l	
76) Bromobenzene	12.35	156	118901	9.78	ug/l	94
77) n-propylbenzene	12.42	91	859024	13.01	ug/l	96
78) 2-Chlorotoluene	12.49	91	461061	12.43	ug/l	99
79) 1,3,5-Trimethylbenzene	12.56	105	561500	11.92	ug/l	100
80) trans-1,4-Dichloro-2-buten	12.12	75	19862	7.77	ug/l	89
81) 4-Chlorotoluene	12.60	91	564331	12.68	ug/l	99
82) tert-Butylbenzene	12.82	119	468619m	11.21	ug/l	
83) 1,2,4-Trimethylbenzene	12.86	105	572177	12.04	ug/l	94
84) sec-Butylbenzene	13.00	105	700722	11.84	ug/l	97
85) p-Isopropyltoluene	13.12	119	563331	10.82	ug/l	97
86) 1,3-Dichlorobenzene	13.10	146	260237	10.30	ug/l	95
87) 1,4-Dichlorobenzene	13.19	146	248718	9.90	ug/l	99
88) n-Butylbenzene	13.44	91	620869	12.86	ug/l	95
89) Hexachloroethane	13.70	117	85079	10.01	ug/l	95
90) 1,2-Dichlorobenzene	13.47	146	215374	9.90	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	14.09	75	10896	8.61	ug/l	93
92) 1,2,4-Trichlorobenzene	14.73	180	132436	9.10	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	14.83	225	94498	9.87	ug/l	97
94) Naphthalene	14.94	128	211539	8.84	ug/l	98
95) 1,2,3-Trichlorobenzene	15.12	180	108279	8.69	ug/l	98

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

