

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073018\
 Data File : VD059625.D
 Acq On : 30 Jul 2018 17:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 31 05:00:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	144903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	186174	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	145237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	78157	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	96521	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
35) Dibromofluoromethane	5.51	113	86434	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
50) Toluene-d8	8.68	98	181475	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.92	95	84452	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.31	85	73240	45.30	ug/l	96
3) Chloromethane	1.46	50	35935	39.68	ug/l	99
4) Vinyl Chloride	1.53	62	44466	47.18	ug/l	98
5) Bromomethane	1.76	94	11749	64.98	ug/l	92
6) Chloroethane	1.85	64	24405	88.52	ug/l	97
7) Trichlorofluoromethane	2.05	101	90331	56.18	ug/l	97
8) Diethyl Ether	2.32	74	15704	51.57	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	2.52	101	46182	54.51	ug/l	96
10) Methyl Iodide	2.66	142	56263	51.13	ug/l	95
11) Tert butyl alcohol	3.23	59	18494	254.48	ug/l	97
12) 1,1-Dichloroethene	2.51	96	34020	55.40	ug/l	98
13) Acrolein	2.45	56	14489	386.98	ug/l	82
14) Allyl chloride	2.89	41	78890	52.98	ug/l	96
15) Acrylonitrile	3.32	53	46791	296.87	ug/l	98
16) Acetone	2.58	43	80746	293.51	ug/l	97
17) Carbon Disulfide	2.72	76	121350	49.75	ug/l	99
18) Methyl Acetate	2.91	43	31582	57.41	ug/l	99
19) Methyl tert-butyl Ether	3.37	73	143533	69.73	ug/l	93
20) Methylene Chloride	3.04	84	39325	50.13	ug/l	92
21) trans-1,2-Dichloroethene	3.35	96	43638	65.90	ug/l	99
22) Diisopropyl ether	4.04	45	185762	47.44	ug/l	98
23) Vinyl Acetate	3.98	43	602713	242.54	ug/l	99
24) 1,1-Dichloroethane	3.93	63	116137	46.99	ug/l	99
25) 2-Butanone	4.81	43	101794	242.64	ug/l	99
26) 2,2-Dichloropropane	4.76	77	133903	52.90	ug/l	96
27) cis-1,2-Dichloroethene	4.77	96	66800	50.50	ug/l	99
28) Bromochloromethane	5.11	49	48961	50.06	ug/l	98
29) Tetrahydrofuran	5.15	42	44085	226.95	ug/l	98
30) Chloroform	5.29	83	153890	52.05	ug/l	99
31) Cyclohexane	5.55	56	78786	49.63	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	150237	52.49	ug/l	99
36) 1,1-Dichloropropene	5.71	75	99510	53.27	ug/l	96
37) Ethyl Acetate	4.90	43	49446	51.45	ug/l	96
38) Carbon Tetrachloride	5.69	117	138583	54.17	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	82087	47.78	ug/l	97
40) Benzene	5.99	78	186231	48.61	ug/l	99
41) Methacrylonitrile	5.09	41	25849	53.90	ug/l	98
42) 1,2-Dichloroethane	6.10	62	123753	53.61	ug/l	100
43) Isopropyl Acetate	7.59	43	67908	50.96	ug/l	96
44) Trichloroethene	6.95	130	74584	53.67	ug/l	94
45) 1,2-Dichloropropane	7.32	63	52942	49.35	ug/l	96
46) Dibromomethane	7.43	93	47347	52.21	ug/l	92
47) Bromodichloromethane	7.72	83	116761	53.91	ug/l	97
48) Methyl methacrylate	7.48	41	46512	52.63	ug/l	97
49) 1,4-Dioxane	7.46	88	8234	996.12	ug/l	98
51) 4-Methyl-2-Pentanone	8.57	43	223951	251.67	ug/l	99
52) Toluene	8.78	92	125302	49.33	ug/l	94
53) t-1,3-Dichloropropene	9.16	75	101726	52.07	ug/l	100
54) cis-1,3-Dichloropropene	8.34	75	99884	51.49	ug/l	97
55) 1,1,2-Trichloroethane	9.44	97	48840	51.17	ug/l	99
56) Ethyl methacrylate	9.29	69	57044	52.68	ug/l	93
57) 1,3-Dichloropropane	9.65	76	77261	50.95	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.17	63	131396	258.25	ug/l	97
59) 2-Hexanone	9.76	43	167906	237.55	ug/l	97
60) Dibromochloromethane	9.94	129	83346	52.60	ug/l	95
61) 1,2-Dibromoethane	10.08	107	57759	51.07	ug/l	100
64) Tetrachloroethene	9.50	164	68296	51.89	ug/l	87
65) Chlorobenzene	10.71	112	150257	50.47	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	68939	53.23	ug/l	99
67) Ethyl Benzene	10.85	91	264546	51.69	ug/l	98
68) m/p-Xylenes	11.00	106	174250	101.94	ug/l	99
69) o-Xylene	11.40	106	81132	48.92	ug/l	98
70) Styrene	11.42	104	138580	50.39	ug/l	97
71) Bromoform	11.58	173	57563	54.59	ug/l	99
73) Isopropylbenzene	11.76	105	257754	46.68	ug/l	99
74) N-amyl acetate	11.63	43	92411	48.85	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	55610	49.33	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	63184	48.89	ug/l	95
77) Bromobenzene	12.03	156	80850	50.02	ug/l	95
78) n-propylbenzene	12.15	91	310709	46.31	ug/l	97
79) 2-Chlorotoluene	12.20	91	201429	50.36	ug/l	98
80) 1,3,5-Trimethylbenzene	12.31	105	216636	49.69	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.83	75	16042	48.55	ug/l	98
82) 4-Chlorotoluene	12.31	91	226023	49.97	ug/l	90
83) tert-Butylbenzene	12.57	119	243745	49.67	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	224245	48.39	ug/l	99
85) sec-Butylbenzene	12.75	105	270480	48.23	ug/l	98
86) p-Isopropyltoluene	12.87	119	225967	47.81	ug/l	96
87) 1,3-Dichlorobenzene	12.83	146	131857	48.24	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	132570	50.34	ug/l	98
89) n-Butylbenzene	13.19	91	219962	48.20	ug/l	98
90) Hexachloroethane	13.39	117	61436	48.64	ug/l	96
91) 1,2-Dichlorobenzene	13.19	146	108122	47.14	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	12511	55.05	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	96345	50.72	ug/l	97
94) Hexachlorobutadiene	14.43	225	76247	50.89	ug/l	97
95) Naphthalene	14.51	128	132715	49.13	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	86446	50.30	ug/l	100

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

