

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059396.D
 Acq On : 25 Jun 2018 12:50
 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: Jun 26 06:59:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	1031950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1296096	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1009558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	531058	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	413267	39.16	ug/l	0.00
Spiked Amount						
			Recovery	=	78.32%	
35) Dibromofluoromethane	5.55	113	460650	43.63	ug/l	0.00
Spiked Amount						
			Recovery	=	87.26%	
50) Toluene-d8	8.71	98	1039175	42.11	ug/l	0.00
Spiked Amount						
			Recovery	=	84.22%	
62) 4-Bromofluorobenzene	11.93	95	422220	41.13	ug/l	0.00
Spiked Amount						
			Recovery	=	82.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	423955	46.18	ug/l	99
3) Chloromethane	1.48	50	208541	43.65	ug/l	92
4) Vinyl Chloride	1.56	62	239722	48.37	ug/l #	89
5) Bromomethane	1.80	94	102208	60.80	ug/l	95
6) Chloroethane	1.89	64	109350	52.21	ug/l	98
7) Trichlorofluoromethane	2.08	101	363247	50.83	ug/l	97
8) Diethyl Ether	2.35	74	73620	45.52	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.56	101	223861	50.40	ug/l	91
10) Methyl Iodide	2.69	142	260481	50.21	ug/l	98
11) Tert butyl alcohol	3.26	59	84486	231.41	ug/l	94
12) 1,1-Dichloroethene	2.55	96	165682	48.73	ug/l	92
13) Acrolein	2.47	56	77888	238.64	ug/l	96
14) Allyl chloride	2.92	41	383027	49.21	ug/l	95
15) Acrylonitrile	3.36	53	308384	275.23	ug/l	97
16) Acetone	2.62	43	370225	277.97	ug/l	99
17) Carbon Disulfide	2.75	76	507803	48.76	ug/l	98
18) Methyl Acetate	2.94	43	125824	44.34	ug/l	98
19) Methyl tert-butyl Ether	3.40	73	787653	47.06	ug/l	96
20) Methylene Chloride	3.07	84	200389	54.47	ug/l	98
21) trans-1,2-Dichloroethene	3.38	96	358722	59.67	ug/l	98
22) Diisopropyl ether	4.07	45	1292311	44.13	ug/l	99
23) Vinyl Acetate	4.02	43	3637654	238.42	ug/l	100
24) 1,1-Dichloroethane	3.97	63	763529	45.57	ug/l	98
25) 2-Butanone	4.84	43	609297	218.38	ug/l	97
26) 2,2-Dichloropropane	4.80	77	688293	52.97	ug/l	100
27) cis-1,2-Dichloroethene	4.80	96	429842	42.55	ug/l	96
28) Bromochloromethane	5.15	49	327483	45.08	ug/l	98
29) Tetrahydrofuran	5.18	42	307078	201.21	ug/l	99
30) Chloroform	5.32	83	805668	44.11	ug/l	94
31) Cyclohexane	5.59	56	553571	50.07	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	739611	50.01	ug/l	99
36) 1,1-Dichloropropene	5.75	75	537450	45.71	ug/l	98
37) Ethyl Acetate	4.93	43	289915	40.49	ug/l	99
38) Carbon Tetrachloride	5.73	117	598924	49.41	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	540060	48.43	ug/l	97
40) Benzene	6.01	78	1260354	44.67	ug/l	99
41) Methacrylonitrile	5.13	41	155925	45.21	ug/l	97
42) 1,2-Dichloroethane	6.13	62	571859	45.87	ug/l	96
43) Isopropyl Acetate	7.62	43	395691	44.01	ug/l	98
44) Trichloroethene	6.98	130	429899	46.53	ug/l	93
45) 1,2-Dichloropropane	7.35	63	356816	45.66	ug/l	95
46) Dibromomethane	7.46	93	253354	45.08	ug/l	95
47) Bromodichloromethane	7.74	83	610274	48.53	ug/l #	97
48) Methyl methacrylate	7.50	41	247589	45.19	ug/l	98
49) 1,4-Dioxane	7.48	88	47842	870.78	ug/l #	87
51) 4-Methyl-2-Pentanone	8.60	43	1277392	213.19	ug/l	96
52) Toluene	8.80	92	738320	43.81	ug/l	96
53) t-1,3-Dichloropropene	9.19	75	513910	48.91	ug/l	100
54) cis-1,3-Dichloropropene	8.35	75	591435	48.61	ug/l	95
55) 1,1,2-Trichloroethane	9.46	97	267547	43.73	ug/l	97
56) Ethyl methacrylate	9.31	69	307976	44.12	ug/l	99
57) 1,3-Dichloropropane	9.66	76	425543	42.53	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.19	63	767400	213.53	ug/l	100
59) 2-Hexanone	9.78	43	979624	230.03	ug/l	96
60) Dibromochloromethane	9.96	129	410832	47.95	ug/l	97
61) 1,2-Dibromoethane	10.10	107	305986	44.91	ug/l	98
64) Tetrachloroethene	9.52	164	387382	43.74	ug/l	97
65) Chlorobenzene	10.73	112	887605	48.08	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	346832	48.95	ug/l	95
67) Ethyl Benzene	10.85	91	1503918	48.28	ug/l	100
68) m/p-Xylenes	11.01	106	1010735	97.80	ug/l	95
69) o-Xylene	11.41	106	489763	47.93	ug/l	97
70) Styrene	11.44	104	826758	47.20	ug/l	98
71) Bromoform	11.60	173	287261	48.94	ug/l	96
73) Isopropylbenzene	11.77	105	1437227	47.96	ug/l	99
74) N-amyl acetate	11.64	43	522834	45.85	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	318771	45.34	ug/l	93
76) 1,2,3-Trichloropropane	12.11	75	338850	46.26	ug/l	97
77) Bromobenzene	12.04	156	437094	46.34	ug/l	98
78) n-propylbenzene	12.15	91	1787693	47.10	ug/l	100
79) 2-Chlorotoluene	12.21	91	1061064	47.60	ug/l	100
80) 1,3,5-Trimethylbenzene	12.32	105	1034690	43.37	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	88886	53.39	ug/l	93
82) 4-Chlorotoluene	12.32	91	1105216	43.73	ug/l	99
83) tert-Butylbenzene	12.58	119	1369181	53.95	ug/l	98
84) 1,2,4-Trimethylbenzene	12.63	105	1233457	48.85	ug/l	97
85) sec-Butylbenzene	12.75	105	1564276	50.23	ug/l	97
86) p-Isopropyltoluene	12.88	119	1255181	50.01	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	740356	47.71	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	747752	48.83	ug/l	99
89) n-Butylbenzene	13.20	91	1228031	49.57	ug/l	98
90) Hexachloroethane	13.40	117	334985	53.49	ug/l	60
91) 1,2-Dichlorobenzene	13.19	146	586136	44.55	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	56853	49.04	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	604202	49.67	ug/l	98
94) Hexachlorobutadiene	14.44	225	481864	52.64	ug/l	97
95) Naphthalene	14.52	128	804463	47.45	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	534205	48.84	ug/l	95

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

