

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059438.D
 Acq On : 27 Jun 2018 11:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 27 15:04:27 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	5.64	168	1001024	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	1293640	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1012315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	533577	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	429713	41.98	ug/l	0.00
Spiked Amount						
			Recovery	=	83.96%	
35) Dibromofluoromethane	5.55	113	471429	44.74	ug/l	0.00
Spiked Amount						
			Recovery	=	89.48%	
50) Toluene-d8	8.70	98	1057613	42.93	ug/l	-0.01
Spiked Amount						
			Recovery	=	85.86%	
62) 4-Bromofluorobenzene	11.93	95	474122	46.27	ug/l	0.00
Spiked Amount						
			Recovery	=	92.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	412684	46.34	ug/l	97
3) Chloromethane	1.49	50	198949	42.93	ug/l	91
4) Vinyl Chloride	1.56	62	210764	43.84	ug/l	98
5) Bromomethane	1.81	94	89569	54.60	ug/l	99
6) Chloroethane	1.90	64	106919	52.75	ug/l	100
7) Trichlorofluoromethane	2.10	101	369632	53.32	ug/l	98
8) Diethyl Ether	2.35	74	71415	45.53	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.57	101	229749	53.33	ug/l	98
10) Methyl Iodide	2.71	142	238942	47.48	ug/l	98
11) Tert butyl alcohol	3.27	59	85196	240.57	ug/l	99
12) 1,1-Dichloroethene	2.56	96	169606	51.42	ug/l	96
13) Acrolein	2.48	56	59053	186.52	ug/l	92
14) Allyl chloride	2.93	41	368777	48.85	ug/l	98
15) Acrylonitrile	3.37	53	294170	270.65	ug/l	97
16) Acetone	2.62	43	380347	294.39	ug/l	98
17) Carbon Disulfide	2.76	76	473666	46.89	ug/l	99
18) Methyl Acetate	2.94	43	123640	44.91	ug/l	97
19) Methyl tert-butyl Ether	3.41	73	761907	46.93	ug/l	99
20) Methylene Chloride	3.08	84	183592	51.30	ug/l	95
21) trans-1,2-Dichloroethene	3.39	96	340074	58.31	ug/l	95
22) Diisopropyl ether	4.07	45	1306587	46.00	ug/l	95
23) Vinyl Acetate	4.02	43	3507769	237.01	ug/l	99
24) 1,1-Dichloroethane	3.98	63	773509	47.59	ug/l	97
25) 2-Butanone	4.84	43	605103	223.58	ug/l	100
26) 2,2-Dichloropropane	4.80	77	706475	56.05	ug/l	98
27) cis-1,2-Dichloroethene	4.80	96	433666	44.25	ug/l	97
28) Bromochloromethane	5.15	49	334565	47.48	ug/l	95
29) Tetrahydrofuran	5.19	42	276711	186.92	ug/l	92
30) Chloroform	5.32	83	858521	48.46	ug/l	93
31) Cyclohexane	5.59	56	516918	48.04	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	706550	49.25	ug/l	97
36) 1,1-Dichloropropene	5.75	75	557552	47.51	ug/l	99
37) Ethyl Acetate	4.93	43	304252	42.57	ug/l	96
38) Carbon Tetrachloride	5.73	117	600036	49.59	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	528451	47.48	ug/l	96
40) Benzene	6.01	78	1283896	45.59	ug/l	98
41) Methacrylonitrile	5.13	41	144075	41.86	ug/l	95
42) 1,2-Dichloroethane	6.13	62	557240	44.78	ug/l	99
43) Isopropyl Acetate	7.61	43	377623	42.08	ug/l #	97
44) Trichloroethene	6.98	130	424045	45.99	ug/l	95
45) 1,2-Dichloropropane	7.34	63	363893	46.65	ug/l	95
46) Dibromomethane	7.46	93	254052	45.29	ug/l	92
47) Bromodichloromethane	7.74	83	620207	49.41	ug/l	96
48) Methyl methacrylate	7.50	41	235712	43.11	ug/l	99
49) 1,4-Dioxane	7.48	88	46024	839.28	ug/l	96
51) 4-Methyl-2-Pentanone	8.59	43	1255524	209.93	ug/l	100
52) Toluene	8.80	92	731323	43.48	ug/l	95
53) t-1,3-Dichloropropene	9.18	75	517485	49.34	ug/l	98
54) cis-1,3-Dichloropropene	8.36	75	599347	49.35	ug/l	99
55) 1,1,2-Trichloroethane	9.45	97	274497	44.95	ug/l	94
56) Ethyl methacrylate	9.31	69	308091	44.22	ug/l	97
57) 1,3-Dichloropropane	9.67	76	457912	45.85	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.19	63	786489	219.26	ug/l	98
59) 2-Hexanone	9.78	43	997447	234.66	ug/l	98
60) Dibromochloromethane	9.95	129	405721	47.45	ug/l	96
61) 1,2-Dibromoethane	10.09	107	305728	44.96	ug/l	100
64) Tetrachloroethene	9.51	164	402942	45.37	ug/l	95
65) Chlorobenzene	10.72	112	901911	48.72	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	352213	49.57	ug/l	97
67) Ethyl Benzene	10.86	91	1552940	49.72	ug/l	99
68) m/p-Xylenes	11.01	106	959686	92.61	ug/l	95
69) o-Xylene	11.40	106	504559	49.25	ug/l	94
70) Styrene	11.43	104	855659	48.72	ug/l	96
71) Bromoform	11.60	173	289505	49.18	ug/l	95
73) Isopropylbenzene	11.77	105	1451455	48.20	ug/l	97
74) N-amyl acetate	11.64	43	500022	43.65	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	328939	46.56	ug/l	91
76) 1,2,3-Trichloropropane	12.11	75	348444	47.34	ug/l	100
77) Bromobenzene	12.04	156	465243	49.09	ug/l	90
78) n-propylbenzene	12.15	91	1853801	48.61	ug/l	95
79) 2-Chlorotoluene	12.22	91	1113324	49.71	ug/l	98
80) 1,3,5-Trimethylbenzene	12.31	105	1134017	47.31	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.84	75	90096	53.86	ug/l	84
82) 4-Chlorotoluene	12.32	91	1189786	46.85	ug/l	95
83) tert-Butylbenzene	12.57	119	1280587	50.22	ug/l	88
84) 1,2,4-Trimethylbenzene	12.62	105	1171412	46.18	ug/l	94
85) sec-Butylbenzene	12.76	105	1571709	50.23	ug/l	95
86) p-Isopropyltoluene	12.88	119	1254551	49.75	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	748184	47.99	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	740960	48.16	ug/l	95
89) n-Butylbenzene	13.19	91	1258842	50.57	ug/l	98
90) Hexachloroethane	13.40	117	354974	56.42	ug/l	88
91) 1,2-Dichlorobenzene	13.19	146	594991	45.01	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	53092	45.58	ug/l	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	605886	49.58	ug/l	94
94) Hexachlorobutadiene	14.43	225	479993	52.19	ug/l	99
95) Naphthalene	14.51	128	771799	45.31	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	520117	47.33	ug/l	99

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

