

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060419\
 Data File : VD062597.D
 Acq On : 4 Jun 2019 13:56
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 05 04:02:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	864540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1238404	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	986696	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	530165	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	516486	50.95	ug/l	-0.02
Spiked Amount						
			Recovery	=	101.90%	
35) Dibromofluoromethane	6.93	113	538808	47.74	ug/l	0.00
Spiked Amount						
			Recovery	=	95.48%	
50) Toluene-d8	10.40	98	1184545	47.91	ug/l	-0.02
Spiked Amount						
			Recovery	=	95.82%	
62) 4-Bromofluorobenzene	13.55	95	532664	47.77	ug/l	0.00
Spiked Amount						
			Recovery	=	95.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	531197	52.976	ug/l	94
3) Chloromethane	1.76	50	421751	43.431	ug/l	99
4) Vinyl Chloride	1.86	62	413569	53.995	ug/l	93
5) Bromomethane	2.16	94	208591	83.861	ug/l	99
6) Chloroethane	2.28	64	222286	61.888	ug/l	99
7) Trichlorofluoromethane	2.54	101	957511	59.155	ug/l	95
8) Diethyl Ether	2.87	74	127525	61.416	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.15	101	559779	58.563	ug/l	94
10) Methyl Iodide	3.31	142	717191	66.126	ug/l	98
11) Tert butyl alcohol	4.07	59	128854	298.020	ug/l #	88
12) 1,1-Dichloroethene	3.13	96	412247	60.966	ug/l	94
13) Acrolein	3.04	56	49526	262.890	ug/l	91
14) Allyl chloride	3.62	41	626414	59.305	ug/l	98
15) Acrylonitrile	4.20	53	287096	277.765	ug/l	98
16) Acetone	3.23	43	566240	284.298	ug/l	98
17) Carbon Disulfide	3.37	76	1230505	55.983	ug/l	99
18) Methyl Acetate	3.65	43	163190	50.200	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	948441	57.901	ug/l	99
20) Methylene Chloride	3.82	84	402779	54.630	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	432246	56.329	ug/l	95
22) Diisopropyl ether	5.12	45	1274337	59.056	ug/l	91
23) Vinyl Acetate	5.06	43	3945657	301.519	ug/l	97
24) 1,1-Dichloroethane	4.99	63	795487	57.126	ug/l	97
25) 2-Butanone	6.07	43	554834	295.787	ug/l	99
26) 2,2-Dichloropropane	6.02	77	936779	60.640	ug/l	95
27) cis-1,2-Dichloroethene	6.03	96	463320	58.739	ug/l	98
28) Bromochloromethane	6.44	49	252757	52.529	ug/l	98
29) Tetrahydrofuran	6.46	42	237996	283.242	ug/l	96
30) Chloroform	6.66	83	983966	58.640	ug/l	91
31) Cyclohexane	6.95	56	531641	56.469	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	1043902	59.778	ug/l	94
36) 1,1-Dichloropropene	7.14	75	693394	56.246	ug/l	94
37) Ethyl Acetate	6.18	43	255346	49.130	ug/l	99
38) Carbon Tetrachloride	7.11	117	1071934m	58.403	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	576778	55.261	ug/l	96
40) Benzene	7.46	78	1312280	54.236	ug/l	100
41) Methacrylonitrile	6.46	41	338959	55.421	ug/l #	93
42) 1,2-Dichloroethane	7.58	62	732116	54.321	ug/l	98
43) Isopropyl Acetate	9.24	43	365265	56.467	ug/l #	97
44) Trichloroethene	8.54	130	533534	55.196	ug/l	92
45) 1,2-Dichloropropane	8.94	63	321676	54.227	ug/l	93
46) Dibromomethane	9.05	93	287475	57.695	ug/l	95
47) Bromodichloromethane	9.37	83	764102	55.657	ug/l	99
48) Methyl methacrylate	9.11	41	239735	55.644	ug/l	95
49) 1,4-Dioxane	9.07	88	42138	1204.135	ug/l #	84
51) 4-Methyl-2-Pentanone	10.29	43	1184342	262.431	ug/l	99
52) Toluene	10.50	92	850126	51.516	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	634656	54.715	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	679304	56.330	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	282166	52.075	ug/l	97
56) Ethyl methacrylate	11.04	69	327289	56.671	ug/l	93
57) 1,3-Dichloropropane	11.41	76	463118	55.443	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.85	63	744357	251.307	ug/l	99
59) 2-Hexanone	11.53	43	917006	289.688	ug/l	97
60) Dibromochloromethane	11.68	129	572657	54.385	ug/l	97
61) 1,2-Dibromoethane	11.80	107	350278	53.738	ug/l	96
64) Tetrachloroethene	11.26	164	459760	52.711	ug/l	97
65) Chlorobenzene	12.39	112	1088648	56.636	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	523227	57.557	ug/l	98
67) Ethyl Benzene	12.52	91	2031645	57.688	ug/l	99
68) m/p-Xylenes	12.67	106	1441317	118.307	ug/l	99
69) o-Xylene	13.04	106	606538	52.190	ug/l	87
70) Styrene	13.07	104	1107920	56.146	ug/l	99
71) Bromoform	13.23	173	356267	55.828	ug/l #	92
73) Isopropylbenzene	13.40	105	2010197	57.514	ug/l	97
74) N-amyl acetate	13.27	43	496134	55.671	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	317019	57.191	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	380266	59.786	ug/l	97
77) Bromobenzene	13.67	156	523090	54.585	ug/l	98
78) n-propylbenzene	13.77	91	2343052	58.159	ug/l	99
79) 2-Chlorotoluene	13.84	91	1364699	58.421	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1734273	58.068	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	95953	52.648	ug/l #	82
82) 4-Chlorotoluene	13.95	91	1671392	59.766	ug/l	96
83) tert-Butylbenzene	14.18	119	1846054	55.394	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	1691264	55.573	ug/l	98
85) sec-Butylbenzene	14.37	105	1882810	53.333	ug/l	99
86) p-Isopropyltoluene	14.49	119	1975498	59.895	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	1024814	61.692	ug/l	93
88) 1,4-Dichlorobenzene	14.54	146	951794	57.175	ug/l	99
89) n-Butylbenzene	14.79	91	1824705	61.974	ug/l	99
90) Hexachloroethane	15.00	117	523953	59.877	ug/l	66
91) 1,2-Dichlorobenzene	14.80	146	868871	62.176	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	65906	57.339	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	612242	54.792	ug/l	98
94) Hexachlorobutadiene	16.03	225	499699	60.579	ug/l	99
95) Naphthalene	16.12	128	839642	55.177	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	439992	52.714	ug/l	96

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

