

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053019\
 Data File : VD062552.D
 Acq On : 30 May 2019 13:54
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: May 31 01:32:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 01:07:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	867433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1254094	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	981108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	507883	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	1067636	104.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.74%	
35) Dibromofluoromethane	6.94	113	1167568	100.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.50%	
50) Toluene-d8	10.42	98	2471300	98.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.80%	
62) 4-Bromofluorobenzene	13.56	95	1112592	98.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	973768	94.217	ug/l	96
3) Chloromethane	1.74	50	963408	81.741	ug/l	99
4) Vinyl Chloride	1.85	62	840405	105.798	ug/l	96
5) Bromomethane	2.14	94	246954	101.306	ug/l	98
6) Chloroethane	2.25	64	355259	93.786	ug/l	98
7) Trichlorofluoromethane	2.53	101	1699991	102.442	ug/l	99
8) Diethyl Ether	2.87	74	249422	116.979	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	1030751	105.001	ug/l #	87
10) Methyl Iodide	3.30	142	1445254	134.821	ug/l	95
11) Tert butyl alcohol	4.09	59	234907	501.909	ug/l #	93
12) 1,1-Dichloroethene	3.12	96	746268	106.962	ug/l	98
13) Acrolein	3.04	56	94585	466.893	ug/l	89
14) Allyl chloride	3.62	41	1200208	109.880	ug/l	99
15) Acrylonitrile	4.21	53	566645	537.498	ug/l	96
16) Acetone	3.23	43	1077148	512.997	ug/l	99
17) Carbon Disulfide	3.37	76	2414504	108.906	ug/l	98
18) Methyl Acetate	3.65	43	321449	94.112	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	1722994	101.387	ug/l	99
20) Methylene Chloride	3.82	84	759545	103.214	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	837566	105.887	ug/l	97
22) Diisopropyl ether	5.14	45	2410116	109.608	ug/l	98
23) Vinyl Acetate	5.07	43	7382917	551.707	ug/l	99
24) 1,1-Dichloroethane	4.99	63	1558621	108.502	ug/l	99
25) 2-Butanone	6.08	43	1063306	551.043	ug/l	94
26) 2,2-Dichloropropane	6.03	77	1668505	106.977	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	877837	107.738	ug/l	98
28) Bromochloromethane	6.45	49	470992	98.859	ug/l	97
29) Tetrahydrofuran	6.47	42	470647	530.518	ug/l	98
30) Chloroform	6.67	83	1851071	107.090	ug/l	97
31) Cyclohexane	6.97	56	1066242	112.039	ug/l	93
32) 1,1,1-Trichloroethane	6.88	97	1927660	109.209	ug/l	98
36) 1,1-Dichloropropene	7.15	75	1267287	99.639	ug/l	97
37) Ethyl Acetate	6.20	43	515284	90.727	ug/l	97
38) Carbon Tetrachloride	7.12	117	1878357m	97.778	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	1164655	109.305	ug/l	96
40) Benzene	7.46	78	2609632	104.451	ug/l	99
41) Methacrylonitrile	6.46	41	655447	102.956	ug/l #	89
42) 1,2-Dichloroethane	7.59	62	1452259	104.116	ug/l	99
43) Isopropyl Acetate	9.25	43	719659	106.868	ug/l #	98
44) Trichloroethene	8.55	130	1041327	104.128	ug/l	97
45) 1,2-Dichloropropane	8.96	63	641318	104.500	ug/l	99
46) Dibromomethane	9.07	93	531957	103.919	ug/l	95
47) Bromodichloromethane	9.39	83	1408217	99.035	ug/l	100
48) Methyl methacrylate	9.13	41	446413	96.477	ug/l	92
49) 1,4-Dioxane	9.09	88	78284	2084.060	ug/l	93
51) 4-Methyl-2-Pentanone	10.31	43	2337121	490.588	ug/l	98
52) Toluene	10.52	92	1755437	103.277	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	1221361	100.474	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	1275835	101.535	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	554508	98.107	ug/l	96
56) Ethyl methacrylate	11.05	69	694570	116.186	ug/l	93
57) 1,3-Dichloropropane	11.42	76	868924	101.503	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.87	63	1405810	453.715	ug/l	100
59) 2-Hexanone	11.54	43	1663341	499.729	ug/l	97
60) Dibromochloromethane	11.69	129	1128107	102.885	ug/l	97
61) 1,2-Dibromoethane	11.81	107	701243	104.848	ug/l	99
64) Tetrachloroethene	11.27	164	946705	106.619	ug/l	96
65) Chlorobenzene	12.41	112	2046896	103.175	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	940344	101.424	ug/l	97
67) Ethyl Benzene	12.53	91	3525216	98.618	ug/l	97
68) m/p-Xylenes	12.68	106	2446225	201.506	ug/l	97
69) o-Xylene	13.06	106	1194560	101.547	ug/l	100
70) Styrene	13.08	104	2049454	103.056	ug/l	97
71) Bromoform	13.24	173	703988	109.063	ug/l #	94
73) Isopropylbenzene	13.41	105	3746961	110.961	ug/l	99
74) N-amyl acetate	13.28	43	1017021	117.226	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	633100	114.402	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	720268	112.318	ug/l	98
77) Bromobenzene	13.68	156	1047380	110.801	ug/l	100
78) n-propylbenzene	13.78	91	4337046	110.213	ug/l	98
79) 2-Chlorotoluene	13.85	91	2400236	104.186	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	3013108	102.868	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	203830	117.490	ug/l	90
82) 4-Chlorotoluene	13.96	91	2949499	106.462	ug/l	99
83) tert-Butylbenzene	14.19	119	3598529	111.675	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	3117272	106.446	ug/l	97
85) sec-Butylbenzene	14.37	105	3549877	103.299	ug/l	96
86) p-Isopropyltoluene	14.50	119	3297509	102.023	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1759136	106.607	ug/l	95
88) 1,4-Dichlorobenzene	14.55	146	1664505	102.855	ug/l	98
89) n-Butylbenzene	14.80	91	2867289	97.494	ug/l	99
90) Hexachloroethane	15.01	117	964971	111.716	ug/l	73
91) 1,2-Dichlorobenzene	14.81	146	1374063	97.746	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	132033	117.586	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	1244326	114.627	ug/l	94
94) Hexachlorobutadiene	16.04	225	893384	112.199	ug/l	99
95) Naphthalene	16.13	128	1686489	110.055	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	944119	115.348	ug/l	99

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

