

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022119\
 Data File : VD060885.D
 Acq On : 21 Feb 2019 16:58
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Feb 22 07:39:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 07:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.78	168	2235085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.97	114	3006849	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.15	117	2370176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	1227638	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.20	65	71651	3.15	ug/l	0.00
Spiked Amount			Recovery	=	6.30%	
35) Dibromofluoromethane	6.67	113	106929	4.65	ug/l	0.00
Spiked Amount			Recovery	=	9.30%	
50) Toluene-d8	10.17	98	307726	5.39	ug/l	0.00
Spiked Amount			Recovery	=	10.78%	
62) 4-Bromofluorobenzene	13.35	95	120867	4.97	ug/l	0.00
Spiked Amount			Recovery	=	9.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	118636	3.737	ug/l	94
3) Chloromethane	1.75	50	73419	3.652	ug/l	99
4) Vinyl Chloride	1.84	62	60602	3.602	ug/l	91
5) Bromomethane	2.12	94	21275	2.377	ug/l	98
6) Chloroethane	2.23	64	18304	2.272	ug/l	89
7) Trichlorofluoromethane	2.48	101	90815	2.556	ug/l	93
8) Diethyl Ether	2.79	74	35605	6.185	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.05	101	109734	5.625	ug/l	88
10) Methyl Iodide	3.20	142	141831	6.122	ug/l	93
11) Tert butyl alcohol	3.87	59	25455	20.627	ug/l #	95
12) 1,1-Dichloroethene	3.04	96	95673	6.819	ug/l	96
13) Acrolein	2.94	56	36529	30.724	ug/l	97
14) Allyl chloride	3.49	41	169152	5.364	ug/l	97
15) Acrylonitrile	4.02	53	88142	19.519	ug/l	97
16) Acetone	3.12	43	104945	21.665	ug/l	99
17) Carbon Disulfide	3.27	76	366000	7.082	ug/l	99
18) Methyl Acetate	3.50	43	42650	5.257	ug/l	92
19) Methyl tert-butyl Ether	4.06	73	187370	3.960	ug/l	95
20) Methylene Chloride	3.67	84	194503	6.429	ug/l	94
21) trans-1,2-Dichloroethene	4.04	96	107610	4.589	ug/l	93
22) Diisopropyl ether	4.87	45	323798	3.827	ug/l	98
23) Vinyl Acetate	4.81	43	893238	17.831	ug/l	98
24) 1,1-Dichloroethane	4.75	63	185553	4.082	ug/l	98
25) 2-Butanone	5.81	43	123962	17.238	ug/l	96
26) 2,2-Dichloropropane	5.77	77	157293	3.686	ug/l	98
27) cis-1,2-Dichloroethene	5.78	96	115856	4.771	ug/l	90
28) Bromochloromethane	6.19	49	66654	3.437	ug/l	96
29) Tetrahydrofuran	6.22	42	73320	20.516	ug/l	99
30) Chloroform	6.40	83	191907	4.012	ug/l	100
31) Cyclohexane	6.71	56	139444	3.654	ug/l	96
32) 1,1,1-Trichloroethane	6.62	97	152887	3.644	ug/l	99
36) 1,1-Dichloropropene	6.90	75	164907	4.499	ug/l	94
37) Ethyl Acetate	5.91	43	62368	3.317	ug/l #	92
38) Carbon Tetrachloride	6.86	117	139165	3.715	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	174180	4.891	ug/l	98
40) Benzene	7.21	78	376419	4.542	ug/l	100
41) Methacrylonitrile	6.20	41	43389m	3.382	ug/l	
42) 1,2-Dichloroethane	7.33	62	91337	2.868	ug/l	98
43) Isopropyl Acetate	8.99	43	84133	3.522	ug/l #	96
44) Trichloroethene	8.29	130	115277	4.670	ug/l	93
45) 1,2-Dichloropropane	8.70	63	85229	3.852	ug/l	93
46) Dibromomethane	8.83	93	59273	4.178	ug/l	97
47) Bromodichloromethane	9.13	83	136985	3.859	ug/l	95
48) Methyl methacrylate	8.88	41	48029	2.983	ug/l #	87
49) 1,4-Dioxane	8.84	88	10815	90.590	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	294492	19.135	ug/l	100
52) Toluene	10.27	92	222653	4.668	ug/l	99
53) t-1,3-Dichloropropene	10.69	75	123452	3.886	ug/l	96
54) cis-1,3-Dichloropropene	9.80	75	152243	4.177	ug/l	98
55) 1,1,2-Trichloroethane	10.96	97	74685	5.271	ug/l	97
56) Ethyl methacrylate	10.81	69	75488	4.166	ug/l	94
57) 1,3-Dichloropropane	11.19	76	117343	4.530	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.61	63	212902	23.298	ug/l	94
59) 2-Hexanone	11.31	43	198644	17.524	ug/l	99
60) Dibromochloromethane	11.46	129	92808	4.065	ug/l	87
61) 1,2-Dibromoethane	11.59	107	75052	4.470	ug/l	98
64) Tetrachloroethene	11.03	164	106860	4.799	ug/l	92
65) Chlorobenzene	12.18	112	239997	4.876	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.30	131	92993	4.372	ug/l	94
67) Ethyl Benzene	12.31	91	441160	4.753	ug/l	96
68) m/p-Xylenes	12.46	106	319027	10.228	ug/l	95
69) o-Xylene	12.84	106	147862	4.984	ug/l	99
70) Styrene	12.86	104	248097	5.180	ug/l	96
71) Bromoform	13.03	173	63852	4.113	ug/l	99
73) Isopropylbenzene	13.20	105	419564	4.684	ug/l	97
74) N-amyl acetate	13.06	43	120445	3.704	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.50	83	88440	4.984	ug/l	98
76) 1,2,3-Trichloropropane	13.53	75	91752	4.539	ug/l	98
77) Bromobenzene	13.46	156	118418	4.801	ug/l	79
78) n-propylbenzene	13.57	91	578762	4.967	ug/l	93
79) 2-Chlorotoluene	13.64	91	305307	4.735	ug/l	98
80) 1,3,5-Trimethylbenzene	14.03	105	324938	4.374	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.27	75	25513	4.780	ug/l	96
82) 4-Chlorotoluene	13.75	91	348391	4.753	ug/l	95
83) tert-Butylbenzene	13.99	119	387418	4.684	ug/l	97
84) 1,2,4-Trimethylbenzene	14.03	105	324938	4.374	ug/l	98
85) sec-Butylbenzene	14.17	105	413082	4.561	ug/l	98
86) p-Isopropyltoluene	14.29	119	344334	4.533	ug/l	98
87) 1,3-Dichlorobenzene	14.26	146	221836	5.207	ug/l	95
88) 1,4-Dichlorobenzene	14.34	146	214725	5.007	ug/l	98
89) n-Butylbenzene	14.60	91	364943	4.703	ug/l	99
90) Hexachloroethane	14.81	117	91956	4.495	ug/l	91
91) 1,2-Dichlorobenzene	14.61	146	181437	4.986	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.19	75	9243	3.180	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	117054	3.885	ug/l	94
94) Hexachlorobutadiene	15.84	225	73516	2.817	ug/l	98
95) Naphthalene	15.92	128	154878	3.853	ug/l	99
96) 1,2,3-Trichlorobenzene	16.07	180	74193	3.046	ug/l	93

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

