

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063234.D
 Acq On : 30 Jul 2019 11:49
 Operator : VA/AP
 Sample : VD0730SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Quant Time: Jul 31 04:53:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1074163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1463100	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1266423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	633123	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	570585	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
35) Dibromofluoromethane	6.91	113	664454	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
50) Toluene-d8	10.40	98	1482783	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
62) 4-Bromofluorobenzene	13.55	95	636805	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	293231	22.333	ug/l	95
3) Chloromethane	1.73	50	222840	21.844	ug/l	98
4) Vinyl Chloride	1.84	62	226510	21.448	ug/l	97
5) Bromomethane	2.13	94	84569	15.878	ug/l	93
6) Chloroethane	2.24	64	99899	20.489	ug/l #	84
7) Trichlorofluoromethane	2.52	101	404670	19.752	ug/l	94
8) Diethyl Ether	2.85	74	56267	19.623	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.13	101	222582	19.613	ug/l	97
10) Methyl Iodide	3.29	142	315722	19.257	ug/l	96
11) Tert butyl alcohol	4.07	59	47265	90.363	ug/l	96
12) 1,1-Dichloroethene	3.11	96	170019	20.407	ug/l	83
13) Acrolein	3.02	56	41069	81.584	ug/l	92
14) Allyl chloride	3.60	41	270011	20.344	ug/l	87
15) Acrylonitrile	4.18	53	137328	101.269	ug/l	96
16) Acetone	3.22	43	230175	99.117	ug/l	100
17) Carbon Disulfide	3.35	76	539845	19.358	ug/l	100
18) Methyl Acetate	3.63	43	88090	19.748	ug/l	98
19) Methyl tert-butyl Ether	4.22	73	382406	20.319	ug/l	99
20) Methylene Chloride	3.80	84	184102	19.613	ug/l	98
21) trans-1,2-Dichloroethene	4.20	96	194310	20.785	ug/l	91
22) Diisopropyl ether	5.11	45	539491	20.345	ug/l	99
23) Vinyl Acetate	5.04	43	1657873	101.709	ug/l	99
24) 1,1-Dichloroethane	4.96	63	346647	20.466	ug/l	98
25) 2-Butanone	6.06	43	227476	97.605	ug/l #	86
26) 2,2-Dichloropropane	6.01	77	353331	20.242	ug/l	95
27) cis-1,2-Dichloroethene	6.02	96	199468	19.901	ug/l	94
28) Bromochloromethane	6.43	49	129849	19.241	ug/l	99
29) Tetrahydrofuran	6.45	42	101758	92.221	ug/l	96
30) Chloroform	6.65	83	436210	20.752	ug/l	91
31) Cyclohexane	6.94	56	214870	20.239	ug/l	93
32) 1,1,1-Trichloroethane	6.85	97	407972	20.065	ug/l	97
36) 1,1-Dichloropropene	7.13	75	287601	21.539	ug/l	100
37) Ethyl Acetate	6.18	43	113663	18.948	ug/l	95
38) Carbon Tetrachloride	7.10	117	411970	20.494	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	241703	21.726	ug/l	98
40) Benzene	7.44	78	566269	20.235	ug/l	99
41) Methacrylonitrile	6.44	41	150091	20.916	ug/l #	85
42) 1,2-Dichloroethane	7.57	62	297935	20.088	ug/l	97
43) Isopropyl Acetate	9.23	43	161140	21.029	ug/l #	98
44) Trichloroethene	8.53	130	228089	20.114	ug/l	93
45) 1,2-Dichloropropane	8.93	63	136755	19.226	ug/l	93
46) Dibromomethane	9.05	93	123623	20.902	ug/l	90
47) Bromodichloromethane	9.36	83	303302	20.118	ug/l	95
48) Methyl methacrylate	9.11	41	106605	21.450	ug/l	92
49) 1,4-Dioxane	9.06	88	17495	413.142	ug/l #	85
51) 4-Methyl-2-Pentanone	10.29	43	520002	99.782	ug/l	98
52) Toluene	10.50	92	373556	20.070	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	267383	20.571	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	286680	20.986	ug/l	88
55) 1,1,2-Trichloroethane	11.18	97	135568	21.566	ug/l	100
56) Ethyl methacrylate	11.03	69	138070	20.058	ug/l	96
57) 1,3-Dichloropropane	11.40	76	198670	20.059	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	318779	89.001	ug/l	99
59) 2-Hexanone	11.53	43	381986	101.713	ug/l	86
60) Dibromochloromethane	11.68	129	244472	20.601	ug/l	99
61) 1,2-Dibromoethane	11.80	107	155676	20.070	ug/l	95
64) Tetrachloroethene	11.25	164	198136	19.639	ug/l	96
65) Chlorobenzene	12.39	112	464803	19.081	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	211816	19.741	ug/l	96
67) Ethyl Benzene	12.52	91	838104	20.254	ug/l	99
68) m/p-Xylenes	12.67	106	529237	34.874	ug/l	98
69) o-Xylene	13.04	106	274931	19.728	ug/l	96
70) Styrene	13.07	104	499472	20.210	ug/l	99
71) Bromoform	13.23	173	139723	17.906	ug/l	100
73) Isopropylbenzene	13.40	105	873189	21.974	ug/l	98
74) N-amyl acetate	13.26	43	199203	18.963	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	143393	21.244	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	147414	19.385	ug/l	100
77) Bromobenzene	13.66	156	223810	19.772	ug/l	92
78) n-propylbenzene	13.77	91	995091	21.043	ug/l	96
79) 2-Chlorotoluene	13.84	91	590614	21.555	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	744384	21.719	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	41748	19.770	ug/l	81
82) 4-Chlorotoluene	13.95	91	697617	21.634	ug/l	97
83) tert-Butylbenzene	14.18	119	785815	20.081	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	761344	21.477	ug/l	99
85) sec-Butylbenzene	14.36	105	868493	21.065	ug/l	99
86) p-Isopropyltoluene	14.49	119	813338	20.668	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	413268	20.615	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	391748	19.325	ug/l	97
89) n-Butylbenzene	14.79	91	671812	19.766	ug/l	99
90) Hexachloroethane	15.00	117	205712	20.064	ug/l	92
91) 1,2-Dichlorobenzene	14.80	146	325782	18.652	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	31494	22.906	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	269669	19.462	ug/l	96
94) Hexachlorobutadiene	16.03	225	201293	20.047	ug/l	95
95) Naphthalene	16.12	128	372323	19.012	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	235834	21.545	ug/l	93

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

