

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063097.D
 Acq On : 16 Jul 2019 10:59
 Operator : VA/AP
 Sample : VD0716SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Quant Time: Jul 16 11:22:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	716852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	931042	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	784079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	479401	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	421900	47.25	ug/l	-0.01
Spiked Amount			Recovery	=	94.50%	
35) Dibromofluoromethane	6.91	113	451629	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
50) Toluene-d8	10.40	98	946625	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
62) 4-Bromofluorobenzene	13.55	95	432772	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	132844	14.314	ug/l	95
3) Chloromethane	1.75	50	112048	14.884	ug/l	90
4) Vinyl Chloride	1.83	62	113014	14.771	ug/l	98
5) Bromomethane	2.15	94	71018	22.548	ug/l	95
6) Chloroethane	2.27	64	60966	17.154	ug/l #	85
7) Trichlorofluoromethane	2.52	101	238638	15.408	ug/l	97
8) Diethyl Ether	2.86	74	36303	16.663	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.14	101	146267	16.378	ug/l	92
10) Methyl Iodide	3.29	142	158998	14.502	ug/l	90
11) Tert butyl alcohol	4.06	59	42136	81.762	ug/l	97
12) 1,1-Dichloroethene	3.11	96	92869	14.644	ug/l #	81
13) Acrolein	3.02	56	5195	33.400	ug/l #	54
14) Allyl chloride	3.61	41	165882	16.643	ug/l	98
15) Acrylonitrile	4.19	53	95372	83.720	ug/l	95
16) Acetone	3.21	43	196856	91.272	ug/l	95
17) Carbon Disulfide	3.36	76	251084	13.832	ug/l	96
18) Methyl Acetate	3.64	43	48271	10.264	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	264709	16.535	ug/l	94
20) Methylene Chloride	3.80	84	120898	14.837	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	113795	16.164	ug/l	93
22) Diisopropyl ether	5.11	45	347486	16.035	ug/l #	96
23) Vinyl Acetate	5.04	43	1068621	84.525	ug/l	98
24) 1,1-Dichloroethane	4.96	63	215791	16.166	ug/l	98
25) 2-Butanone	6.06	43	162025	78.669	ug/l	94
26) 2,2-Dichloropropane	6.01	77	230506	15.603	ug/l	96
27) cis-1,2-Dichloroethene	6.02	96	133223	16.635	ug/l	89
28) Bromochloromethane	6.42	49	88687	18.313	ug/l	84
29) Tetrahydrofuran	6.44	42	71664	76.760	ug/l	95
30) Chloroform	6.65	83	275525	16.760	ug/l	99
31) Cyclohexane	6.93	56	119793	14.092	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	260551	16.073	ug/l	97
36) 1,1-Dichloropropene	7.13	75	174688	16.683	ug/l #	88
37) Ethyl Acetate	6.17	43	70134	15.650	ug/l	95
38) Carbon Tetrachloride	7.09	117	261790	16.453	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	142912	15.786	ug/l	97
40) Benzene	7.44	78	351345	16.020	ug/l	99
41) Methacrylonitrile	6.44	41	104612	17.218	ug/l #	83
42) 1,2-Dichloroethane	7.56	62	200890	17.193	ug/l	96
43) Isopropyl Acetate	9.23	43	107218	16.692	ug/l #	93
44) Trichloroethene	8.53	130	137252	16.194	ug/l	97
45) 1,2-Dichloropropane	8.92	63	94155	17.220	ug/l	96
46) Dibromomethane	9.05	93	81489	17.343	ug/l #	91
47) Bromodichloromethane	9.36	83	199566	16.276	ug/l	92
48) Methyl methacrylate	9.11	41	73645	17.459	ug/l	93
49) 1,4-Dioxane	9.07	88	12907	354.790	ug/l #	88
51) 4-Methyl-2-Pentanone	10.29	43	373008	87.552	ug/l	94
52) Toluene	10.50	92	228667	15.614	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	171689	16.344	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	182554	16.807	ug/l	94
55) 1,1,2-Trichloroethane	11.18	97	92573	18.291	ug/l	95
56) Ethyl methacrylate	11.03	69	99915	17.669	ug/l	98
57) 1,3-Dichloropropane	11.39	76	125431	16.287	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	250821	79.662	ug/l	94
59) 2-Hexanone	11.52	43	282427	85.958	ug/l	95
60) Dibromochloromethane	11.68	129	164676	16.974	ug/l	92
61) 1,2-Dibromoethane	11.80	107	103412	17.070	ug/l	81
64) Tetrachloroethene	11.24	164	118936	15.633	ug/l	98
65) Chlorobenzene	12.39	112	311605	16.906	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.50	131	140570	16.450	ug/l	98
67) Ethyl Benzene	12.51	91	550346	17.185	ug/l	98
68) m/p-Xylenes	12.65	106	374418	32.642	ug/l	92
69) o-Xylene	13.04	106	165345	15.202	ug/l	87
70) Styrene	13.07	104	281688	14.796	ug/l	97
71) Bromoform	13.22	173	106111	17.737	ug/l	99
73) Isopropylbenzene	13.39	105	536736	14.497	ug/l	95
74) N-amyl acetate	13.25	43	155339	15.045	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	13.70	83	102835	15.266	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	113379	15.374	ug/l	100
77) Bromobenzene	13.67	156	159223	15.166	ug/l	99
78) n-propylbenzene	13.76	91	699805	16.425	ug/l	99
79) 2-Chlorotoluene	13.83	91	379956	14.750	ug/l	94
80) 1,3,5-Trimethylbenzene	13.92	105	505534	15.667	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	26625	13.710	ug/l	92
82) 4-Chlorotoluene	13.94	91	484695	16.113	ug/l	98
83) tert-Butylbenzene	14.18	119	541585	14.844	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	503819	15.662	ug/l	100
85) sec-Butylbenzene	14.36	105	603364	15.565	ug/l	91
86) p-Isopropyltoluene	14.48	119	556709	15.395	ug/l	98
87) 1,3-Dichlorobenzene	14.44	146	279942	14.930	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	302446	16.826	ug/l	98
89) n-Butylbenzene	14.79	91	512266	15.369	ug/l	98
90) Hexachloroethane	15.01	117	138835	14.361	ug/l	91
91) 1,2-Dichlorobenzene	14.80	146	256552	15.366	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	18175	14.077	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	195450	15.582	ug/l	96
94) Hexachlorobutadiene	16.03	225	135578	14.664	ug/l	98
95) Naphthalene	16.12	128	271014	14.771	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	150142	14.880	ug/l	99

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

