

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060319\
 Data File : VD062583.D
 Acq On : 3 Jun 2019 14:08
 Operator : VA/AP
 Sample : VD0603SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0603SBS01

Quant Time: Jun 04 05:50:32 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	813076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1082275	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	959153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	529746	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	530128	55.61	ug/l	-0.02
Spiked Amount			Recovery	=	111.22%	
35) Dibromofluoromethane	6.93	113	545802	55.34	ug/l	0.00
Spiked Amount			Recovery	=	110.68%	
50) Toluene-d8	10.41	98	1107198	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	13.55	95	524145	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	227575	24.133	ug/l	96
3) Chloromethane	1.75	50	164842	15.510	ug/l	92
4) Vinyl Chloride	1.85	62	155083	21.529	ug/l	95
5) Bromomethane	2.15	94	76489	32.698	ug/l	97
6) Chloroethane	2.26	64	80001	23.683	ug/l	93
7) Trichlorofluoromethane	2.53	101	344562	22.634	ug/l	93
8) Diethyl Ether	2.88	74	44132	22.599	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.15	101	190180	21.156	ug/l	91
10) Methyl Iodide	3.31	142	254782	24.978	ug/l	99
11) Tert butyl alcohol	4.08	59	42838	105.349	ug/l	100
12) 1,1-Dichloroethene	3.13	96	143944	22.635	ug/l	91
13) Acrolein	3.04	56	17963	101.385	ug/l	90
14) Allyl chloride	3.62	41	209507	21.090	ug/l #	81
15) Acrylonitrile	4.20	53	105467	108.498	ug/l	93
16) Acetone	3.23	43	191551	102.261	ug/l #	91
17) Carbon Disulfide	3.37	76	397916	19.249	ug/l	98
18) Methyl Acetate	3.65	43	66317	21.691	ug/l #	87
19) Methyl tert-butyl Ether	4.24	73	347966	22.587	ug/l	99
20) Methylene Chloride	3.82	84	158162	22.810	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	155976	21.613	ug/l #	86
22) Diisopropyl ether	5.13	45	451562	22.251	ug/l	95
23) Vinyl Acetate	5.06	43	1371795	111.465	ug/l #	94
24) 1,1-Dichloroethane	4.98	63	285306	21.785	ug/l	97
25) 2-Butanone	6.08	43	187131	106.076	ug/l	97
26) 2,2-Dichloropropane	6.02	77	328073	22.581	ug/l	95
27) cis-1,2-Dichloroethene	6.03	96	160677	21.660	ug/l	98
28) Bromochloromethane	6.45	49	95855	21.182	ug/l	89
29) Tetrahydrofuran	6.47	42	85922	108.729	ug/l	98
30) Chloroform	6.66	83	351975	22.304	ug/l	98
31) Cyclohexane	6.95	56	181147	20.459	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	366082	22.290	ug/l	97
36) 1,1-Dichloropropene	7.15	75	241769	22.441	ug/l	90
37) Ethyl Acetate	6.19	43	96300	21.202	ug/l #	91
38) Carbon Tetrachloride	7.12	117	370985	23.129	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	202286	22.177	ug/l	97
40) Benzene	7.46	78	454336	21.486	ug/l	96
41) Methacrylonitrile	6.46	41	120435	22.532	ug/l #	96
42) 1,2-Dichloroethane	7.59	62	278891	23.678	ug/l	98
43) Isopropyl Acetate	9.24	43	124510	22.025	ug/l #	99
44) Trichloroethene	8.54	130	181370	21.470	ug/l	98
45) 1,2-Dichloropropane	8.94	63	105012	20.256	ug/l #	89
46) Dibromomethane	9.06	93	96735	22.215	ug/l	99
47) Bromodichloromethane	9.38	83	268994	22.420	ug/l	98
48) Methyl methacrylate	9.12	41	83260	22.113	ug/l	96
49) 1,4-Dioxane	9.09	88	14151	462.715	ug/l #	85
51) 4-Methyl-2-Pentanone	10.31	43	428575	108.665	ug/l	95
52) Toluene	10.51	92	295977	20.523	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	231541	22.841	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	235277	22.325	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	100521	21.228	ug/l	90
56) Ethyl methacrylate	11.04	69	115158	22.816	ug/l	96
57) 1,3-Dichloropropane	11.41	76	162765	22.297	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	335507	129.613	ug/l	94
59) 2-Hexanone	11.54	43	321216	116.113	ug/l	93
60) Dibromochloromethane	11.68	129	212989	23.145	ug/l	97
61) 1,2-Dibromoethane	11.81	107	129209	22.682	ug/l	98
64) Tetrachloroethene	11.26	164	158277	18.667	ug/l	94
65) Chlorobenzene	12.40	112	391140	20.933	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	183848	20.805	ug/l	99
67) Ethyl Benzene	12.52	91	690490	20.169	ug/l	95
68) m/p-Xylenes	12.67	106	488057	41.211	ug/l	92
69) o-Xylene	13.05	106	214897	19.022	ug/l	91
70) Styrene	13.07	104	385443	20.094	ug/l	99
71) Bromoform	13.24	173	123299	19.876	ug/l	92
73) Isopropylbenzene	13.41	105	693983	19.871	ug/l	99
74) N-amyl acetate	13.27	43	186778	20.975	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	119630	21.599	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	140762	22.148	ug/l	92
77) Bromobenzene	13.67	156	203750	21.278	ug/l	96
78) n-propylbenzene	13.77	91	880700	21.878	ug/l	99
79) 2-Chlorotoluene	13.84	91	502806	21.541	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	653101	21.885	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.47	75	32505	17.849	ug/l #	69
82) 4-Chlorotoluene	13.95	91	609321	21.805	ug/l	95
83) tert-Butylbenzene	14.19	119	718377	21.573	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	609209	20.034	ug/l	98
85) sec-Butylbenzene	14.37	105	708280	20.079	ug/l	97
86) p-Isopropyltoluene	14.49	119	684024	20.755	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	360116	21.696	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	362805	21.811	ug/l	99
89) n-Butylbenzene	14.79	91	644285	21.900	ug/l	93
90) Hexachloroethane	15.01	117	186016	21.275	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	322233	23.077	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	25271	22.004	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	227918	20.414	ug/l	95
94) Hexachlorobutadiene	16.03	225	182385	22.128	ug/l	98
95) Naphthalene	16.12	128	316050	20.786	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	181788	21.797	ug/l	96

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

