

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062958.D
 Acq On : 28 Jun 2019 11:33
 Operator : VA/AP
 Sample : VD0628SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

Quant Time: Jun 29 00:13:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	907786	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	1198913	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	1045141	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.50	152	598340	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	473156	47.95	ug/l	-0.04
Spiked Amount			Recovery	=	95.90%	
35) Dibromofluoromethane	6.89	113	499979	49.46	ug/l	-0.04
Spiked Amount			Recovery	=	98.92%	
50) Toluene-d8	10.39	98	1085931	49.36	ug/l	-0.03
Spiked Amount			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	13.54	95	471412	47.12	ug/l	-0.02
Spiked Amount			Recovery	=	94.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	233212	19.853	ug/l	96
3) Chloromethane	1.74	50	173759	19.668	ug/l	100
4) Vinyl Chloride	1.83	62	160970	18.377	ug/l	99
5) Bromomethane	2.13	94	62594	15.259	ug/l	86
6) Chloroethane	2.24	64	59933	15.113	ug/l	91
7) Trichlorofluoromethane	2.50	101	339399	19.146	ug/l	97
8) Diethyl Ether	2.86	74	39256	17.429	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	3.12	101	167214	17.411	ug/l	92
10) Methyl Iodide	3.27	142	219067	17.290	ug/l	97
11) Tert butyl alcohol	4.06	59	47223	105.077	ug/l #	91
12) 1,1-Dichloroethene	3.10	96	128710	17.865	ug/l #	94
13) Acrolein	3.01	56	30951	67.461	ug/l	93
14) Allyl chloride	3.59	41	208403	19.577	ug/l	94
15) Acrylonitrile	4.18	53	109450	103.646	ug/l	91
16) Acetone	3.21	43	182641	86.704	ug/l	94
17) Carbon Disulfide	3.34	76	419856	18.235	ug/l	98
18) Methyl Acetate	3.62	43	77542	26.032	ug/l	94
19) Methyl tert-butyl Ether	4.22	73	309984	19.875	ug/l	100
20) Methylene Chloride	3.78	84	153122	20.347	ug/l	90
21) trans-1,2-Dichloroethene	4.19	96	158459	20.656	ug/l	84
22) Diisopropyl ether	5.09	45	434842	20.086	ug/l	91
23) Vinyl Acetate	5.02	43	1337804	98.754	ug/l	100
24) 1,1-Dichloroethane	4.95	63	260145	18.456	ug/l	98
25) 2-Butanone	6.05	43	202918	109.952	ug/l	95
26) 2,2-Dichloropropane	5.99	77	291114	19.485	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	164944	20.333	ug/l	95
28) Bromochloromethane	6.41	49	102612	20.670	ug/l	83
29) Tetrahydrofuran	6.43	42	93077	106.594	ug/l	99
30) Chloroform	6.64	83	346736	20.227	ug/l	98
31) Cyclohexane	6.92	56	189023	20.399	ug/l	91
32) 1,1,1-Trichloroethane	6.84	97	332744	18.636	ug/l	92
36) 1,1-Dichloropropene	7.12	75	220091	19.392	ug/l	97
37) Ethyl Acetate	6.15	43	97486	19.782	ug/l #	91
38) Carbon Tetrachloride	7.08	117	324087	18.987	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	183374	18.355	ug/l	93
40) Benzene	7.42	78	460260	20.203	ug/l	92
41) Methacrylonitrile	6.42	41	130217	21.756	ug/l #	90
42) 1,2-Dichloroethane	7.55	62	259061	20.845	ug/l	98
43) Isopropyl Acetate	9.22	43	129611	21.783	ug/l #	98
44) Trichloroethene	8.52	130	172439	19.307	ug/l	97
45) 1,2-Dichloropropane	8.91	63	113344	20.008	ug/l	97
46) Dibromomethane	9.04	93	98117	20.163	ug/l	88
47) Bromodichloromethane	9.35	83	255538	20.220	ug/l	99
48) Methyl methacrylate	9.10	41	88289	20.880	ug/l	93
49) 1,4-Dioxane	9.06	88	17321	492.378	ug/l #	88
51) 4-Methyl-2-Pentanone	10.28	43	431744	102.343	ug/l	93
52) Toluene	10.49	92	310623	20.284	ug/l	90
53) t-1,3-Dichloropropene	10.89	75	230156	22.250	ug/l	93
54) cis-1,3-Dichloropropene	10.01	75	222409	19.782	ug/l	98
55) 1,1,2-Trichloroethane	11.17	97	104686	19.897	ug/l	94
56) Ethyl methacrylate	11.02	69	116703	20.756	ug/l	97
57) 1,3-Dichloropropane	11.39	76	165375	20.529	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	321917	111.521	ug/l	97
59) 2-Hexanone	11.51	43	315189	104.908	ug/l	96
60) Dibromochloromethane	11.67	129	196684	20.070	ug/l	97
61) 1,2-Dibromoethane	11.79	107	127398	20.502	ug/l	97
64) Tetrachloroethene	11.23	164	164772	19.156	ug/l	97
65) Chlorobenzene	12.39	112	382671	19.729	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.49	131	172439	19.010	ug/l	86
67) Ethyl Benzene	12.50	91	696536	20.001	ug/l	96
68) m/p-Xylenes	12.65	106	483783	39.886	ug/l	94
69) o-Xylene	13.04	106	235615	21.250	ug/l	100
70) Styrene	13.06	104	389338	19.991	ug/l	94
71) Bromoform	13.22	173	126396	20.337	ug/l	94
73) Isopropylbenzene	13.39	105	682930	17.801	ug/l	100
74) N-amyl acetate	13.25	43	183830	19.731	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	120480	19.274	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	125463	18.164	ug/l	91
77) Bromobenzene	13.66	156	197856	19.174	ug/l	98
78) n-propylbenzene	13.76	91	816713	18.290	ug/l	99
79) 2-Chlorotoluene	13.82	91	469435	18.396	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	649096	20.143	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.46	75	33445	18.475	ug/l	98
82) 4-Chlorotoluene	13.93	91	600266	19.539	ug/l	95
83) tert-Butylbenzene	14.18	119	701312	19.525	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	605125	18.321	ug/l	97
85) sec-Butylbenzene	14.35	105	742197	19.011	ug/l	98
86) p-Isopropyltoluene	14.48	119	666259	18.655	ug/l	94
87) 1,3-Dichlorobenzene	14.44	146	360397	19.484	ug/l	99
88) 1,4-Dichlorobenzene	14.52	146	332625	17.903	ug/l	96
89) n-Butylbenzene	14.79	91	613801	18.362	ug/l	97
90) Hexachloroethane	14.99	117	167990	17.494	ug/l	86
91) 1,2-Dichlorobenzene	14.80	146	302976	19.144	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	22731	18.631	ug/l #	57

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93) 1,2,4-Trichlorobenzene	15.93	180	238275	19.274	ug/l	95
94) Hexachlorobutadiene	16.03	225	184030	19.485	ug/l	96
95) Naphthalene	16.12	128	335898	19.385	ug/l	99
96) 1,2,3-Trichlorobenzene	16.25	180	187173	19.705	ug/l	97

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

