

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\
 Data File : VD063059.D
 Acq On : 10 Jul 2019 15:49
 Operator : VA/AP
 Sample : VD0710SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBSD01

Quant Time: Jul 11 07:00:47 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	7.04	168	972385	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1294918	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	1119530	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	575932	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	450791	42.65	ug/l	-0.01
Spiked Amount			Recovery	=	85.30%	
35) Dibromofluoromethane	6.91	113	504505	46.21	ug/l	-0.02
Spiked Amount			Recovery	=	92.42%	
50) Toluene-d8	10.40	98	1056544	44.46	ug/l	-0.01
Spiked Amount			Recovery	=	88.92%	
62) 4-Bromofluorobenzene	13.55	95	509144	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	261539	20.785	ug/l	95
3) Chloromethane	1.75	50	200889	21.228	ug/l	94
4) Vinyl Chloride	1.85	62	199562	21.269	ug/l	99
5) Bromomethane	2.14	94	80005	18.208	ug/l	89
6) Chloroethane	2.25	64	85876	20.216	ug/l	96
7) Trichlorofluoromethane	2.52	101	389284	20.501	ug/l	98
8) Diethyl Ether	2.87	74	49149	20.371	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	236100	22.951	ug/l	92
10) Methyl Iodide	3.30	142	294157	21.674	ug/l	93
11) Tert butyl alcohol	4.07	59	50952	105.843	ug/l #	83
12) 1,1-Dichloroethene	3.12	96	165894	21.497	ug/l	97
13) Acrolein	3.03	56	29085	59.183	ug/l	89
14) Allyl chloride	3.61	41	259532	22.760	ug/l	88
15) Acrylonitrile	4.19	53	133553	118.069	ug/l	88
16) Acetone	3.23	43	210481	93.828	ug/l #	87
17) Carbon Disulfide	3.36	76	477608	19.365	ug/l	97
18) Methyl Acetate	3.64	43	105433	33.044	ug/l	93
19) Methyl tert-butyl Ether	4.23	73	368800	22.076	ug/l	96
20) Methylene Chloride	3.81	84	193984	24.065	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	183722	22.359	ug/l	83
22) Diisopropyl ether	5.11	45	560611	24.175	ug/l	97
23) Vinyl Acetate	5.05	43	1509450	104.023	ug/l	98
24) 1,1-Dichloroethane	4.97	63	332387	22.015	ug/l	96
25) 2-Butanone	6.06	43	227707	115.187	ug/l	96
26) 2,2-Dichloropropane	6.01	77	350516	21.903	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	198025	22.789	ug/l	99
28) Bromochloromethane	6.43	49	120428	22.647	ug/l	86
29) Tetrahydrofuran	6.46	42	107971	115.437	ug/l	99
30) Chloroform	6.65	83	419606	22.852	ug/l	98
31) Cyclohexane	6.94	56	223824	22.550	ug/l	86
32) 1,1,1-Trichloroethane	6.86	97	411895	21.537	ug/l	95
36) 1,1-Dichloropropene	7.13	75	277245	22.617	ug/l	92
37) Ethyl Acetate	6.18	43	105774	19.878	ug/l	95
38) Carbon Tetrachloride	7.10	117	378300	20.520	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	248303	23.012	ug/l	93
40) Benzene	7.44	78	574355	23.342	ug/l	95
41) Methacrylonitrile	6.45	41	135237	20.920	ug/l #	90
42) 1,2-Dichloroethane	7.57	62	289151	21.541	ug/l	98
43) Isopropyl Acetate	9.24	43	150122	23.360	ug/l #	97
44) Trichloroethene	8.53	130	219579	22.762	ug/l	100
45) 1,2-Dichloropropane	8.93	63	143923	23.523	ug/l	100
46) Dibromomethane	9.05	93	117488	22.354	ug/l	98
47) Bromodichloromethane	9.37	83	305741	22.399	ug/l	99
48) Methyl methacrylate	9.11	41	98215	21.506	ug/l	91
49) 1,4-Dioxane	9.07	88	16684	439.108	ug/l #	64
51) 4-Methyl-2-Pentanone	10.29	43	504731	110.774	ug/l	100
52) Toluene	10.50	92	375136	22.680	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	258529	23.140	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	263684	21.714	ug/l	94
55) 1,1,2-Trichloroethane	11.18	97	122518	21.560	ug/l	98
56) Ethyl methacrylate	11.03	69	135391	22.294	ug/l	97
57) 1,3-Dichloropropane	11.40	76	192481	22.122	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	344553	110.514	ug/l	98
59) 2-Hexanone	11.53	43	342006	105.394	ug/l	98
60) Dibromochloromethane	11.68	129	244551	23.104	ug/l	98
61) 1,2-Dibromoethane	11.80	107	145560	21.688	ug/l	97
64) Tetrachloroethene	11.25	164	204013	22.142	ug/l	99
65) Chlorobenzene	12.39	112	489705	23.569	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	219277	22.567	ug/l	91
67) Ethyl Benzene	12.52	91	850511	22.800	ug/l	99
68) m/p-Xylenes	12.67	106	618620	47.614	ug/l	90
69) o-Xylene	13.04	106	260977	21.973	ug/l	92
70) Styrene	13.07	104	466548	22.364	ug/l	94
71) Bromoform	13.23	173	150113	22.549	ug/l	99
73) Isopropylbenzene	13.40	105	870718	23.579	ug/l	98
74) N-amyl acetate	13.26	43	217427	24.245	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	138159	22.962	ug/l	92
76) 1,2,3-Trichloropropane	13.73	75	160827	24.189	ug/l	95
77) Bromobenzene	13.66	156	229402	23.096	ug/l	85
78) n-propylbenzene	13.77	91	1026905	23.892	ug/l	96
79) 2-Chlorotoluene	13.84	91	578386	23.548	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	743055	23.956	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.46	75	39621	22.738	ug/l	91
82) 4-Chlorotoluene	13.95	91	719030	24.315	ug/l	96
83) tert-Butylbenzene	14.18	119	833197	24.099	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	741789	23.333	ug/l	100
85) sec-Butylbenzene	14.36	105	866816	23.068	ug/l	95
86) p-Isopropyltoluene	14.49	119	844402	24.563	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	418526	23.506	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	436604	24.414	ug/l	97
89) n-Butylbenzene	14.79	91	707379	21.985	ug/l	95
90) Hexachloroethane	15.00	117	210904	22.818	ug/l	78
91) 1,2-Dichlorobenzene	14.80	146	362566	23.801	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	25429	21.654	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	295184	24.806	ug/l	98
94) Hexachlorobutadiene	16.03	225	210755	23.183	ug/l	99
95) Naphthalene	16.12	128	398050	23.866	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	222191	24.302	ug/l	93

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

