

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063129.D
 Acq On : 17 Jul 2019 14:11
 Operator : VA/AP
 Sample : VD0717SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0717SBS02

Quant Time: Jul 18 06:55:59 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	7.04	168	567078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	771334	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	644811	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	347659	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	397041	56.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.42%	
35) Dibromofluoromethane	6.92	113	434028	56.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.98%	
50) Toluene-d8	10.42	98	864170	52.37	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.74%	
62) 4-Bromofluorobenzene	13.56	95	392184	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	194358	31.623	ug/l	100
3) Chloromethane	1.74	50	146415	26.960	ug/l #	88
4) Vinyl Chloride	1.84	62	144008	23.794	ug/l	99
5) Bromomethane	2.15	94	61521	25.025	ug/l	99
6) Chloroethane	2.25	64	71749	25.521	ug/l	100
7) Trichlorofluoromethane	2.52	101	291168	23.765	ug/l	94
8) Diethyl Ether	2.86	74	39562	22.955	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.14	101	163044	23.079	ug/l	95
10) Methyl Iodide	3.30	142	204691	23.601	ug/l #	98
11) Tert butyl alcohol	4.09	59	42846	105.099	ug/l #	90
12) 1,1-Dichloroethene	3.12	96	122657	24.450	ug/l	94
13) Acrolein	3.03	56	16098	130.833	ug/l	99
14) Allyl chloride	3.61	41	177776	22.547	ug/l	97
15) Acrylonitrile	4.19	53	108068	119.920	ug/l	93
16) Acetone	3.22	43	162360	95.160	ug/l	96
17) Carbon Disulfide	3.37	76	339423	23.637	ug/l	100
18) Methyl Acetate	3.64	43	81480	34.236	ug/l #	82
19) Methyl tert-butyl Ether	4.24	73	291203	22.995	ug/l	100
20) Methylene Chloride	3.81	84	146806	22.775	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	132447	23.782	ug/l	92
22) Diisopropyl ether	5.12	45	418179	24.394	ug/l	96
23) Vinyl Acetate	5.05	43	1116528	111.640	ug/l	99
24) 1,1-Dichloroethane	4.97	63	256303	24.272	ug/l #	96
25) 2-Butanone	6.07	43	181585	111.453	ug/l	93
26) 2,2-Dichloropropane	6.01	77	267166	22.861	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	155232	24.503	ug/l	94
28) Bromochloromethane	6.44	49	104471	27.270	ug/l	84
29) Tetrahydrofuran	6.47	42	88146	119.350	ug/l	98
30) Chloroform	6.66	83	326952	25.141	ug/l	98
31) Cyclohexane	6.96	56	156794	23.316	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	319932	24.948	ug/l	94
36) 1,1-Dichloropropene	7.15	75	184178	21.231	ug/l	92
37) Ethyl Acetate	6.18	43	92798	24.995	ug/l	96
38) Carbon Tetrachloride	7.11	117	295528	22.419	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	165021	22.003	ug/l	99
40) Benzene	7.45	78	410027	22.567	ug/l	99
41) Methacrylonitrile	6.44	41	124843	24.802	ug/l #	91
42) 1,2-Dichloroethane	7.58	62	232529	24.022	ug/l	98
43) Isopropyl Acetate	9.24	43	122908	23.096	ug/l #	99
44) Trichloroethene	8.54	130	161593	23.013	ug/l	100
45) 1,2-Dichloropropane	8.94	63	103985	22.955	ug/l	97
46) Dibromomethane	9.07	93	88098	22.632	ug/l	93
47) Bromodichloromethane	9.38	83	218960	21.555	ug/l	98
48) Methyl methacrylate	9.13	41	74825	21.411	ug/l #	80
49) 1,4-Dioxane	9.08	88	13962	463.256	ug/l #	84
51) 4-Methyl-2-Pentanone	10.31	43	433437	122.801	ug/l	93
52) Toluene	10.51	92	286613	23.623	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	191515	22.006	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	206833	22.985	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	105902	25.258	ug/l	97
56) Ethyl methacrylate	11.05	69	104187	22.240	ug/l	88
57) 1,3-Dichloropropane	11.41	76	148415	23.262	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	300091	115.044	ug/l	100
59) 2-Hexanone	11.54	43	312605	114.842	ug/l	92
60) Dibromochloromethane	11.69	129	192681	23.973	ug/l	99
61) 1,2-Dibromoethane	11.80	107	121580	24.225	ug/l	96
64) Tetrachloroethene	11.26	164	161942	25.883	ug/l	92
65) Chlorobenzene	12.40	112	350029	23.093	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	159214	22.656	ug/l	93
67) Ethyl Benzene	12.52	91	569860	21.637	ug/l	99
68) m/p-Xylenes	12.67	106	438334	46.468	ug/l	96
69) o-Xylene	13.05	106	213958	23.920	ug/l	94
70) Styrene	13.07	104	386228	24.669	ug/l	100
71) Bromoform	13.24	173	113817	23.134	ug/l	99
73) Isopropylbenzene	13.41	105	669512	24.936	ug/l	98
74) N-amyl acetate	13.27	43	159494	21.300	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	112743	23.080	ug/l	90
76) 1,2,3-Trichloropropane	13.73	75	121568	22.731	ug/l	95
77) Bromobenzene	13.67	156	176774	23.217	ug/l	90
78) n-propylbenzene	13.77	91	769460	24.904	ug/l	98
79) 2-Chlorotoluene	13.84	91	442527	23.688	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	529214	22.616	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	32148	22.827	ug/l	84
82) 4-Chlorotoluene	13.95	91	539697	24.740	ug/l	98
83) tert-Butylbenzene	14.20	119	613754	23.197	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	560581	24.030	ug/l	98
85) sec-Butylbenzene	14.37	105	648169	23.057	ug/l	96
86) p-Isopropyltoluene	14.49	119	582298	22.204	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	330998	24.343	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	314266	24.109	ug/l	96
89) n-Butylbenzene	14.80	91	555449	22.979	ug/l	98
90) Hexachloroethane	15.01	117	151113	21.555	ug/l	95
91) 1,2-Dichlorobenzene	14.81	146	266298	21.994	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	20386	21.772	ug/l #	50

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	195387	21.480	ug/l	95
94) Hexachlorobutadiene	16.04	225	160856	23.991	ug/l	97
95) Naphthalene	16.12	128	320684	24.101	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	152887	20.893	ug/l	98

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

