

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062926.D
 Acq On : 27 Jun 2019 12:47
 Operator : VA/AP
 Sample : VD0627SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS01

Quant Time: Jun 28 02:19:38 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	7.02	168	877667	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	1198721	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	979492	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	501711	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	451587	47.34	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	94.68%	
35) Dibromofluoromethane	6.90	113	469360	46.44	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	92.88%	
50) Toluene-d8	10.39	98	980619	44.58	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	89.16%	
62) 4-Bromofluorobenzene	13.54	95	439245	43.91	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	87.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	194017	17.083	ug/l	98
3) Chloromethane	1.75	50	136372	15.966	ug/l	95
4) Vinyl Chloride	1.84	62	140251	16.561	ug/l	93
5) Bromomethane	2.13	94	51248	12.922	ug/l	94
6) Chloroethane	2.24	64	58962	15.378	ug/l	90
7) Trichlorofluoromethane	2.51	101	281784	16.441	ug/l	100
8) Diethyl Ether	2.85	74	37290	17.124	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.12	101	150283	16.185	ug/l	86
10) Methyl Iodide	3.27	142	165703	13.527	ug/l	97
11) Tert butyl alcohol	4.07	59	39582	91.098	ug/l #	89
12) 1,1-Dichloroethene	3.10	96	115612	16.598	ug/l	80
13) Acrolein	3.02	56	26794	60.405	ug/l #	80
14) Allyl chloride	3.59	41	162828	15.821	ug/l	95
15) Acrylonitrile	4.17	53	93713	91.789	ug/l #	90
16) Acetone	3.21	43	169109	82.730	ug/l	98
17) Carbon Disulfide	3.34	76	334640	15.032	ug/l	95
18) Methyl Acetate	3.62	43	66188	22.983	ug/l	98
19) Methyl tert-butyl Ether	4.21	73	275887	18.296	ug/l	95
20) Methylene Chloride	3.79	84	139355	19.154	ug/l	93
21) trans-1,2-Dichloroethene	4.18	96	123575	16.662	ug/l	98
22) Diisopropyl ether	5.10	45	352451	16.839	ug/l	95
23) Vinyl Acetate	5.03	43	1084037	82.768	ug/l	99
24) 1,1-Dichloroethane	4.95	63	233277	17.118	ug/l	99
25) 2-Butanone	6.05	43	163275	91.507	ug/l	95
26) 2,2-Dichloropropane	5.99	77	238722	16.527	ug/l	90
27) cis-1,2-Dichloroethene	6.01	96	126194	16.090	ug/l	97
28) Bromochloromethane	6.41	49	87456	18.221	ug/l	89
29) Tetrahydrofuran	6.43	42	70469	83.473	ug/l	96
30) Chloroform	6.63	83	278019	16.775	ug/l	99
31) Cyclohexane	6.93	56	141438	15.788	ug/l	91
32) 1,1,1-Trichloroethane	6.84	97	288938	16.738	ug/l	96
36) 1,1-Dichloropropene	7.11	75	192837	16.994	ug/l	95
37) Ethyl Acetate	6.16	43	85551	17.225	ug/l	97
38) Carbon Tetrachloride	7.08	117	269377	15.784	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	165926	16.612	ug/l	89
40) Benzene	7.43	78	360924	15.845	ug/l	98
41) Methacrylonitrile	6.42	41	106823	17.851	ug/l #	92
42) 1,2-Dichloroethane	7.55	62	218873	17.614	ug/l	99
43) Isopropyl Acetate	9.22	43	106901	17.969	ug/l #	88
44) Trichloroethene	8.51	130	144951	16.232	ug/l	97
45) 1,2-Dichloropropane	8.92	63	92627	16.354	ug/l	94
46) Dibromomethane	9.04	93	83213	17.103	ug/l	87
47) Bromodichloromethane	9.35	83	213079	16.863	ug/l	97
48) Methyl methacrylate	9.10	41	68200	16.132	ug/l	94
49) 1,4-Dioxane	9.06	88	13173	374.524	ug/l #	89
51) 4-Methyl-2-Pentanone	10.28	43	357649	84.793	ug/l	93
52) Toluene	10.49	92	252146	16.468	ug/l	95
53) t-1,3-Dichloropropene	10.89	75	163576	15.816	ug/l #	89
54) cis-1,3-Dichloropropene	10.02	75	184162	16.383	ug/l	94
55) 1,1,2-Trichloroethane	11.17	97	90256	17.157	ug/l #	91
56) Ethyl methacrylate	11.02	69	91042	16.195	ug/l	98
57) 1,3-Dichloropropane	11.39	76	132120	16.403	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	287882	99.747	ug/l	99
59) 2-Hexanone	11.51	43	271300	90.314	ug/l	99
60) Dibromochloromethane	11.67	129	165895	16.931	ug/l	93
61) 1,2-Dibromoethane	11.79	107	108705	17.497	ug/l	97
64) Tetrachloroethene	11.24	164	143966	17.859	ug/l	97
65) Chlorobenzene	12.38	112	304969	16.777	ug/l	94
66) 1,1,1,2-Tetrachloroethane	12.50	131	146584	17.243	ug/l	98
67) Ethyl Benzene	12.51	91	556553	17.053	ug/l	100
68) m/p-Xylenes	12.66	106	393301	34.600	ug/l	95
69) o-Xylene	13.03	106	172182	16.570	ug/l	93
70) Styrene	13.06	104	296489	16.244	ug/l	98
71) Bromoform	13.22	173	104758	17.986	ug/l #	89
73) Isopropylbenzene	13.39	105	566315	17.605	ug/l	97
74) N-amyl acetate	13.26	43	146088	18.700	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	102830	19.619	ug/l	98
76) 1,2,3-Trichloropropane	13.72	75	104100	17.973	ug/l	93
77) Bromobenzene	13.66	156	160966	18.603	ug/l	93
78) n-propylbenzene	13.76	91	671211	17.927	ug/l	92
79) 2-Chlorotoluene	13.83	91	387824	18.125	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	476539	17.636	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	27057	17.825	ug/l	91
82) 4-Chlorotoluene	13.94	91	474440	18.418	ug/l	99
83) tert-Butylbenzene	14.18	119	504750	16.759	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	501136	18.095	ug/l	97
85) sec-Butylbenzene	14.36	105	597104	18.241	ug/l	96
86) p-Isopropyltoluene	14.48	119	527216	17.605	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	284914	18.369	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	275411	17.679	ug/l	99
89) n-Butylbenzene	14.79	91	517368	18.458	ug/l	96
90) Hexachloroethane	15.00	117	136230	16.919	ug/l	98
91) 1,2-Dichlorobenzene	14.80	146	250693	18.891	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	17835	17.434	ug/l	63

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	180092	17.373	ug/l	97
94) Hexachlorobutadiene	16.03	225	143955	18.178	ug/l	98
95) Naphthalene	16.11	128	271133	18.661	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	157338	19.754	ug/l	98

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

