

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063171.D
 Acq On : 22 Jul 2019 12:35
 Operator : VA/AP
 Sample : VD0722SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBS01

Quant Time: Jul 23 07:47:59 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	7.05	168	688501	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	995687	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	804649	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	478617	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	381311	44.46	ug/l	0.01
Spiked Amount 50.000			Recovery =	88.92%		
35) Dibromofluoromethane	6.93	113	430436	43.40	ug/l	0.01
Spiked Amount 50.000			Recovery =	86.80%		
50) Toluene-d8	10.41	98	875909	41.12	ug/l	0.01
Spiked Amount 50.000			Recovery =	82.24%		
62) 4-Bromofluorobenzene	13.56	95	437196	44.36	ug/l	0.01
Spiked Amount 50.000			Recovery =	88.72%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	203297	26.636	ug/l	90
3) Chloromethane	1.75	50	149647	22.120	ug/l #	90
4) Vinyl Chloride	1.84	62	149843	20.392	ug/l	92
5) Bromomethane	2.14	94	66149	21.761	ug/l	98
6) Chloroethane	2.25	64	74692	21.882	ug/l #	82
7) Trichlorofluoromethane	2.52	101	304584	20.476	ug/l	96
8) Diethyl Ether	2.86	74	42455	20.289	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.14	101	172464	20.107	ug/l	87
10) Methyl Iodide	3.29	142	210720	20.011	ug/l #	89
11) Tert butyl alcohol	4.08	59	48155	97.290	ug/l	97
12) 1,1-Dichloroethene	3.12	96	117989	19.371	ug/l	94
13) Acrolein	3.03	56	15774	105.590	ug/l	88
14) Allyl chloride	3.62	41	210514	21.991	ug/l	88
15) Acrylonitrile	4.20	53	115534	105.595	ug/l	88
16) Acetone	3.22	43	204122	98.538	ug/l	97
17) Carbon Disulfide	3.36	76	344080	19.736	ug/l	98
18) Methyl Acetate	3.64	43	91074	30.918	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	312601	20.331	ug/l	96
20) Methylene Chloride	3.81	84	152790	19.523	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	147948	21.881	ug/l	85
22) Diisopropyl ether	5.12	45	434610	20.882	ug/l	97
23) Vinyl Acetate	5.06	43	1199382	98.774	ug/l	99
24) 1,1-Dichloroethane	4.98	63	276181	21.542	ug/l	96
25) 2-Butanone	6.08	43	183973	93.004	ug/l	95
26) 2,2-Dichloropropane	6.02	77	296171	20.873	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	159722	20.766	ug/l	88
28) Bromochloromethane	6.44	49	106702	22.941	ug/l #	90
29) Tetrahydrofuran	6.47	42	83554	93.180	ug/l	96
30) Chloroform	6.67	83	352600	22.332	ug/l	90
31) Cyclohexane	6.96	56	164947	20.202	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	329520	21.164	ug/l	98
36) 1,1-Dichloropropene	7.15	75	216342	19.319	ug/l	90
37) Ethyl Acetate	6.19	43	94230	19.662	ug/l #	93
38) Carbon Tetrachloride	7.11	117	328107	19.282	ug/l	93

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39) Methylcyclohexane	8.87	83	186937	19.309	ug/l	93
40) Benzene	7.46	78	465211	19.835	ug/l	100
41) Methacrylonitrile	6.46	41	116457	17.923	ug/l #	90
42) 1,2-Dichloroethane	7.59	62	234904	18.799	ug/l	97
43) Isopropyl Acetate	9.25	43	113359	16.502	ug/l #	99
44) Trichloroethene	8.55	130	177618	19.596	ug/l	92
45) 1,2-Dichloropropane	8.94	63	109860	18.787	ug/l #	87
46) Dibromomethane	9.07	93	100901	20.080	ug/l	95
47) Bromodichloromethane	9.39	83	261115	19.913	ug/l	94
48) Methyl methacrylate	9.13	41	85202	18.887	ug/l	94
49) 1,4-Dioxane	9.08	88	17178	441.535	ug/l	89
51) 4-Methyl-2-Pentanone	10.31	43	455830	100.046	ug/l	98
52) Toluene	10.52	92	294889	18.829	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	211779	18.851	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	220320	18.967	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	109349	20.203	ug/l	98
56) Ethyl methacrylate	11.05	69	119589	19.775	ug/l	95
57) 1,3-Dichloropropane	11.42	76	154389	18.746	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.86	63	302370	89.799	ug/l	94
59) 2-Hexanone	11.54	43	328753	93.561	ug/l	97
60) Dibromochloromethane	11.69	129	207287	19.979	ug/l	96
61) 1,2-Dibromoethane	11.81	107	128229	19.793	ug/l	99
64) Tetrachloroethene	11.27	164	157203	20.134	ug/l	91
65) Chlorobenzene	12.40	112	407033	21.519	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	177939	20.291	ug/l	95
67) Ethyl Benzene	12.53	91	665597	20.252	ug/l	98
68) m/p-Xylenes	12.68	106	469361	39.873	ug/l	95
69) o-Xylene	13.06	106	218899	19.612	ug/l	90
70) Styrene	13.08	104	403526	20.654	ug/l	97
71) Bromoform	13.24	173	124552	20.287	ug/l	90
73) Isopropylbenzene	13.40	105	654760	17.714	ug/l	97
74) N-amyl acetate	13.27	43	189077	18.342	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.70	83	118534	17.626	ug/l	88
76) 1,2,3-Trichloropropane	13.74	75	132622	18.013	ug/l	95
77) Bromobenzene	13.67	156	201656	19.239	ug/l	80
78) n-propylbenzene	13.78	91	843516	19.831	ug/l	99
79) 2-Chlorotoluene	13.85	91	440427	17.125	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	603273	18.727	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	31772	16.387	ug/l	91
82) 4-Chlorotoluene	13.96	91	576956	19.212	ug/l	97
83) tert-Butylbenzene	14.19	119	626190	17.191	ug/l	88
84) 1,2,4-Trimethylbenzene	14.24	105	612352	19.067	ug/l	99
85) sec-Butylbenzene	14.37	105	696675	18.002	ug/l	94
86) p-Isopropyltoluene	14.50	119	631013	17.478	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	351487	18.777	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	341617	19.036	ug/l	99
89) n-Butylbenzene	14.80	91	609387	18.313	ug/l	98
90) Hexachloroethane	15.01	117	171135	17.732	ug/l	78
91) 1,2-Dichlorobenzene	14.81	146	308106	18.484	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	20676	16.040	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	239270	19.107	ug/l	88
94) Hexachlorobutadiene	16.04	225	177111	19.188	ug/l	97
95) Naphthalene	16.13	128	328193	17.916	ug/l	97
96) 1,2,3-Trichlorobenzene	16.28	180	195468	19.403	ug/l	95

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

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