

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101719\
 Data File : VD063997.D
 Acq On : 17 Oct 2019 11:23
 Operator : VA/SY
 Sample : VD1017SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1017SBS01

Quant Time: Oct 17 17:39:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	174189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	271092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	266992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	141101	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	84625	49.90	ug/l	0.00
Spiked Amount						
			Recovery	=	99.80%	
35) Dibromofluoromethane	7.92	113	83863	50.62	ug/l	0.00
Spiked Amount						
			Recovery	=	101.24%	
50) Toluene-d8	10.34	98	363820	54.10	ug/l	0.00
Spiked Amount						
			Recovery	=	108.20%	
62) 4-Bromofluorobenzene	12.63	95	119856	51.29	ug/l	0.00
Spiked Amount						
			Recovery	=	102.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	24547	19.871	ug/l	94
3) Chloromethane	2.21	50	74259	19.590	ug/l	97
4) Vinyl Chloride	2.35	62	89308	22.369	ug/l	99
5) Bromomethane	2.76	94	53415	20.810	ug/l #	79
6) Chloroethane	2.92	64	57978	21.958	ug/l	92
7) Trichlorofluoromethane	3.27	101	124601	23.604	ug/l	96
8) Diethyl Ether	3.71	74	16845	19.881	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	29564	20.233	ug/l	94
10) Methyl Iodide	4.30	142	34614	17.192	ug/l	98
11) Tert butyl alcohol	5.25	59	8855	69.365	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	30159	20.659	ug/l	86
13) Acrolein	3.92	56	8739	57.697	ug/l #	82
14) Allyl chloride	4.71	41	46282	19.069	ug/l	93
15) Acrylonitrile	5.43	53	35902	96.110	ug/l	98
16) Acetone	4.17	43	37389	84.682	ug/l	93
17) Carbon Disulfide	4.40	76	93702	17.657	ug/l	98
18) Methyl Acetate	4.72	43	18682	21.633	ug/l #	68
19) Methyl tert-butyl Ether	5.49	73	67366	17.820	ug/l	97
20) Methylene Chloride	4.97	84	39807	18.418	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	36867	20.286	ug/l	95
22) Diisopropyl ether	6.37	45	101056	20.387	ug/l	94
23) Vinyl Acetate	6.31	43	288169	97.724	ug/l	100
24) 1,1-Dichloroethane	6.26	63	64456	21.111	ug/l	95
25) 2-Butanone	7.23	43	48714	93.098	ug/l #	90
26) 2,2-Dichloropropane	7.20	77	55877	20.231	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	42868	20.840	ug/l	96
28) Bromochloromethane	7.54	49	20515	18.878	ug/l	95
29) Tetrahydrofuran	7.57	42	28865	94.511	ug/l	99
30) Chloroform	7.71	83	68340	20.608	ug/l	96
31) Cyclohexane	7.98	56	64534	23.445	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	61797	21.724	ug/l	97
36) 1,1-Dichloropropene	8.11	75	54677	22.059	ug/l	95
37) Ethyl Acetate	7.30	43	19881	17.403	ug/l	97
38) Carbon Tetrachloride	8.10	117	56104	22.399	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	69813	22.907	ug/l	90
40) Benzene	8.35	78	155674	21.916	ug/l	97
41) Methacrylonitrile	7.53	41	10579	18.409	ug/l	98
42) 1,2-Dichloroethane	8.43	62	40255	19.592	ug/l	98
43) Isopropyl Acetate	8.45	43	39656	19.077	ug/l	99
44) Trichloroethene	9.11	130	42730	20.862	ug/l	97
45) 1,2-Dichloropropane	9.39	63	36062	20.742	ug/l	96
46) Dibromomethane	9.48	93	21310	21.522	ug/l	97
47) Bromodichloromethane	9.66	83	50338	19.746	ug/l	99
48) Methyl methacrylate	9.46	41	20660	20.744	ug/l	95
49) 1,4-Dioxane	9.48	88	5432	401.909	ug/l #	75
51) 4-Methyl-2-Pentanone	10.23	43	102793	95.350	ug/l	95
52) Toluene	10.41	92	103585	21.243	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	48662	19.562	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	58978	20.596	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	29528	21.121	ug/l	97
56) Ethyl methacrylate	10.66	69	32621	18.425	ug/l	95
57) 1,3-Dichloropropane	10.95	76	50459	21.095	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.95	63	74551	97.965	ug/l	99
59) 2-Hexanone	10.99	43	75198	96.428	ug/l	100
60) Dibromochloromethane	11.14	129	36709	20.168	ug/l	100
61) 1,2-Dibromoethane	11.25	107	29350	21.655	ug/l	99
64) Tetrachloroethene	10.88	164	39976	21.932	ug/l	91
65) Chlorobenzene	11.67	112	117025	21.825	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	41211	20.858	ug/l	97
67) Ethyl Benzene	11.75	91	210159	21.736	ug/l	99
68) m/p-Xylenes	11.86	106	165875	44.448	ug/l	98
69) o-Xylene	12.18	106	74522	20.854	ug/l	100
70) Styrene	12.20	104	127382	21.057	ug/l	99
71) Bromoform	12.37	173	22075	20.819	ug/l #	99
73) Isopropylbenzene	12.48	105	211175	22.263	ug/l	99
74) N-amyl acetate	12.29	43	37685	18.453	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	33056	20.027	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	24984m	26.437	ug/l	
77) Bromobenzene	12.77	156	48776	20.639	ug/l	96
78) n-propylbenzene	12.83	91	250456	22.495	ug/l	99
79) 2-Chlorotoluene	12.91	91	136175	22.181	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	175251	22.146	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	10017	18.757	ug/l	89
82) 4-Chlorotoluene	13.01	91	139630	21.440	ug/l	99
83) tert-Butylbenzene	13.23	119	153880	21.849	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	172065	21.091	ug/l	98
85) sec-Butylbenzene	13.40	105	213115	22.407	ug/l	99
86) p-Isopropyltoluene	13.52	119	197854	21.984	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	97455	20.870	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	100753	21.871	ug/l	98
89) n-Butylbenzene	13.85	91	189076	22.569	ug/l	98
90) Hexachloroethane	14.12	117	35888	22.171	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	83984	20.870	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	4819	17.177	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	61882	19.930	ug/l	98
94) Hexachlorobutadiene	15.27	225	38129	22.253	ug/l	92
95) Naphthalene	15.41	128	102440	19.629	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	52480	19.589	ug/l	100

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

