

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
 Data File : VD062499.D
 Acq On : 22 May 2019 13:13
 Operator : VA/AP
 Sample : VD0522SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0522SBS01

Quant Time: May 23 03:11:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	686102	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	906027	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.36	117	753796	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	448454	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	422493	57.53	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	115.06%	
35) Dibromofluoromethane	6.90	113	470330	57.54	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	115.08%	
50) Toluene-d8	10.39	98	1035867	57.91	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	115.82%	
62) 4-Bromofluorobenzene	13.55	95	444330	56.79	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	113.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	173410	24.387	ug/l	99
3) Chloromethane	1.74	50	98636	20.752	ug/l	93
4) Vinyl Chloride	1.84	62	82524	16.500	ug/l	100
5) Bromomethane	2.13	94	39514	18.309	ug/l	100
6) Chloroethane	2.24	64	40393	16.695	ug/l	89
7) Trichlorofluoromethane	2.52	101	164076	14.198	ug/l	96
8) Diethyl Ether	2.86	74	21613	13.864	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.13	101	104983	15.270	ug/l	96
10) Methyl Iodide	3.28	142	170787	17.816	ug/l #	84
11) Tert butyl alcohol	4.07	59	34146	100.726	ug/l	96
12) 1,1-Dichloroethene	3.12	96	71207	14.014	ug/l	98
13) Acrolein	3.02	56	20892	74.211	ug/l	91
14) Allyl chloride	3.60	41	157787	21.061	ug/l #	78
15) Acrylonitrile	4.18	53	84685	109.018	ug/l	91
16) Acetone	3.21	43	107965	82.035	ug/l #	87
17) Carbon Disulfide	3.35	76	332820	21.628	ug/l	99
18) Methyl Acetate	3.63	43	50382	22.185	ug/l	96
19) Methyl tert-butyl Ether	4.22	73	253346	21.587	ug/l #	86
20) Methylene Chloride	3.80	84	134217	20.171	ug/l	96
21) trans-1,2-Dichloroethene	4.19	96	135097	22.712	ug/l	92
22) Diisopropyl ether	5.09	45	338333	21.216	ug/l	93
23) Vinyl Acetate	5.04	43	1004454	104.241	ug/l	97
24) 1,1-Dichloroethane	4.96	63	213127	20.752	ug/l	97
25) 2-Butanone	6.05	43	150515	109.347	ug/l	97
26) 2,2-Dichloropropane	6.00	77	241669	21.829	ug/l	94
27) cis-1,2-Dichloroethene	6.01	96	140923	21.971	ug/l	93
28) Bromochloromethane	6.41	49	77849	21.120	ug/l	87
29) Tetrahydrofuran	6.43	42	67168	102.173	ug/l	93
30) Chloroform	6.64	83	267578	20.436	ug/l	96
31) Cyclohexane	6.92	56	140592	20.274	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	274226	20.745	ug/l	96
36) 1,1-Dichloropropene	7.12	75	196152	22.645	ug/l	92
37) Ethyl Acetate	6.17	43	66534	19.772	ug/l #	90
38) Carbon Tetrachloride	7.09	117	286494	22.254	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	153007	21.416	ug/l	95
40) Benzene	7.44	78	377991	22.246	ug/l	96
41) Methacrylonitrile	6.43	41	85940	20.334	ug/l #	81
42) 1,2-Dichloroethane	7.55	62	194158	21.579	ug/l	91
43) Isopropyl Acetate	9.23	43	98491	22.062	ug/l	92
44) Trichloroethene	8.52	130	144703	21.270	ug/l	89
45) 1,2-Dichloropropane	8.92	63	89746	21.674	ug/l	99
46) Dibromomethane	9.04	93	82876	22.080	ug/l	89
47) Bromodichloromethane	9.36	83	204245	21.391	ug/l	93
48) Methyl methacrylate	9.10	41	66208	22.039	ug/l #	82
49) 1,4-Dioxane	9.07	88	12085	448.480	ug/l #	86
51) 4-Methyl-2-Pentanone	10.28	43	337392	114.403	ug/l	94
52) Toluene	10.49	92	253600	21.802	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	186188	23.422	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	190769	22.999	ug/l #	87
55) 1,1,2-Trichloroethane	11.18	97	88783	22.521	ug/l	94
56) Ethyl methacrylate	11.03	69	84171	19.972	ug/l #	78
57) 1,3-Dichloropropane	11.39	76	138527	22.913	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.84	63	220665	101.969	ug/l	100
59) 2-Hexanone	11.52	43	252041	117.590	ug/l	95
60) Dibromochloromethane	11.67	129	162069	21.404	ug/l	99
61) 1,2-Dibromoethane	11.79	107	105992	21.817	ug/l	96
64) Tetrachloroethene	11.24	164	139043	22.030	ug/l	95
65) Chlorobenzene	12.39	112	295190	20.364	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	146153	21.842	ug/l	95
67) Ethyl Benzene	12.51	91	574362	23.004	ug/l	97
68) m/p-Xylenes	12.65	106	396027	44.187	ug/l	83
69) o-Xylene	13.04	106	172630	20.414	ug/l	81
70) Styrene	13.07	104	316406	21.994	ug/l	94
71) Bromoform	13.22	173	95068	21.393	ug/l #	96
73) Isopropylbenzene	13.39	105	555198	19.641	ug/l	96
74) N-amyl acetate	13.25	43	134940	19.328	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	99162	19.445	ug/l	98
76) 1,2,3-Trichloropropane	13.72	75	105124	19.901	ug/l	96
77) Bromobenzene	13.66	156	163980	20.449	ug/l	87
78) n-propylbenzene	13.76	91	677255	20.684	ug/l	97
79) 2-Chlorotoluene	13.83	91	419602	21.117	ug/l	95
80) 1,3,5-Trimethylbenzene	13.92	105	507897	20.751	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.46	75	29191	19.595	ug/l #	68
82) 4-Chlorotoluene	13.94	91	478091	20.892	ug/l	92
83) tert-Butylbenzene	14.18	119	554558	20.426	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	507230	20.225	ug/l	90
85) sec-Butylbenzene	14.35	105	580890	20.520	ug/l	95
86) p-Isopropyltoluene	14.48	119	522595	20.371	ug/l	93
87) 1,3-Dichlorobenzene	14.44	146	287157	20.278	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	288832	21.137	ug/l	96
89) n-Butylbenzene	14.79	91	515538	20.823	ug/l	94
90) Hexachloroethane	14.99	117	137388	19.378	ug/l	93
91) 1,2-Dichlorobenzene	14.80	146	252946	21.006	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	18582	19.196	ug/l	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	186285	19.647	ug/l	94
94) Hexachlorobutadiene	16.03	225	139082	19.867	ug/l	97
95) Naphthalene	16.12	128	253504	19.568	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	153235	19.715	ug/l	95

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

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