

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050219\
 Data File : VD062110.D
 Acq On : 2 May 2019 14:36
 Operator : FY/SY
 Sample : VD0502SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBS01

Quant Time: May 03 01:08:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	575464	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	905661	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	732443	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	358192	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	226040	50.19	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	100.38%	
35) Dibromofluoromethane	6.90	113	323110	51.59	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	103.18%	
50) Toluene-d8	10.40	98	735315	49.34	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	13.55	95	302001	50.52	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	101.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	76771	14.940	ug/l	90
3) Chloromethane	1.75	50	67917	15.551	ug/l	92
4) Vinyl Chloride	1.84	62	61500	15.537	ug/l	97
5) Bromomethane	2.14	94	18099	14.902	ug/l	98
6) Chloroethane	2.25	64	22615	15.805	ug/l	93
7) Trichlorofluoromethane	2.51	101	107261	17.921	ug/l	96
8) Diethyl Ether	2.86	74	26683	16.634	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.13	101	102309	18.557	ug/l	96
10) Methyl Iodide	3.29	142	98189	15.849	ug/l	99
11) Tert butyl alcohol	4.05	59	27166	106.754	ug/l	97
12) 1,1-Dichloroethene	3.11	96	81423	17.359	ug/l	93
13) Acrolein	3.03	56	19363	73.336	ug/l	92
14) Allyl chloride	3.61	41	113461	17.714	ug/l	98
15) Acrylonitrile	4.18	53	70527	89.503	ug/l	85
16) Acetone	3.21	43	104766	97.421	ug/l	100
17) Carbon Disulfide	3.36	76	210843	15.555	ug/l	99
18) Methyl Acetate	3.63	43	43834	21.231	ug/l	99
19) Methyl tert-butyl Ether	4.22	73	168740	18.131	ug/l	96
20) Methylene Chloride	3.79	84	94248	15.823	ug/l	98
21) trans-1,2-Dichloroethene	4.20	96	83308	15.482	ug/l	100
22) Diisopropyl ether	5.09	45	261136	17.463	ug/l	97
23) Vinyl Acetate	5.03	43	709705	91.133	ug/l	98
24) 1,1-Dichloroethane	4.96	63	157625	17.439	ug/l	99
25) 2-Butanone	6.05	43	123833	94.976	ug/l	93
26) 2,2-Dichloropropane	6.01	77	145709	18.479	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	109106	17.823	ug/l	95
28) Bromochloromethane	6.42	49	78220	22.618	ug/l	94
29) Tetrahydrofuran	6.44	42	62728	97.641	ug/l	100
30) Chloroform	6.65	83	191417	18.646	ug/l	96
31) Cyclohexane	6.93	56	113155	16.867	ug/l	95
32) 1,1,1-Trichloroethane	6.85	97	168084	18.818	ug/l	98
36) 1,1-Dichloropropene	7.13	75	138932	19.690	ug/l	97
37) Ethyl Acetate	6.16	43	60835	20.232	ug/l	98
38) Carbon Tetrachloride	7.09	117	173920	19.452	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	127468	18.310	ug/l	97
40) Benzene	7.44	78	321611	18.411	ug/l	95
41) Methacrylonitrile	6.43	41	71794	20.464	ug/l #	95
42) 1,2-Dichloroethane	7.56	62	116001	19.558	ug/l	94
43) Isopropyl Acetate	9.23	43	89393	20.347	ug/l	96
44) Trichloroethene	8.53	130	123409	18.223	ug/l	96
45) 1,2-Dichloropropane	8.92	63	82888	18.704	ug/l	100
46) Dibromomethane	9.05	93	65115	20.420	ug/l	96
47) Bromodichloromethane	9.37	83	143961	19.107	ug/l	98
48) Methyl methacrylate	9.11	41	53624	21.393	ug/l	91
49) 1,4-Dioxane	9.06	88	11152	412.653	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	276857	103.042	ug/l	97
52) Toluene	10.50	92	208641	18.732	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	125746	19.883	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	145953	18.975	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	76737	20.522	ug/l	96
56) Ethyl methacrylate	11.03	69	79564	19.212	ug/l	96
57) 1,3-Dichloropropane	11.39	76	119473	20.687	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	255604	132.749	ug/l	99
59) 2-Hexanone	11.52	43	198072	98.274	ug/l	97
60) Dibromochloromethane	11.68	129	121776	19.682	ug/l	98
61) 1,2-Dibromoethane	11.80	107	91016	20.519	ug/l	93
64) Tetrachloroethene	11.25	164	97347	18.631	ug/l	97
65) Chlorobenzene	12.39	112	250522	18.101	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	113121	19.268	ug/l	97
67) Ethyl Benzene	12.52	91	411570	18.219	ug/l	99
68) m/p-Xylenes	12.66	106	298854	36.603	ug/l	99
69) o-Xylene	13.05	106	152542	20.419	ug/l	95
70) Styrene	13.07	104	264096	20.474	ug/l	97
71) Bromoform	13.22	173	67916	20.291	ug/l	94
73) Isopropylbenzene	13.40	105	386084	16.158	ug/l	100
74) N-amyl acetate	13.26	43	107169	17.416	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	89098	19.029	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	86487	19.014	ug/l	95
77) Bromobenzene	13.67	156	124435	18.154	ug/l	99
78) n-propylbenzene	13.77	91	491597	17.972	ug/l	99
79) 2-Chlorotoluene	13.83	91	269047	16.239	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	327225	17.175	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	23682	17.181	ug/l	95
82) 4-Chlorotoluene	13.94	91	308203	16.892	ug/l	94
83) tert-Butylbenzene	14.18	119	363174	16.455	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	344919	18.960	ug/l	95
85) sec-Butylbenzene	14.37	105	442336	18.548	ug/l	97
86) p-Isopropyltoluene	14.48	119	379790	17.795	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	222009	18.496	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	216572	19.293	ug/l	97
89) n-Butylbenzene	14.79	91	342457	17.872	ug/l	96
90) Hexachloroethane	15.01	117	104893	18.175	ug/l	83
91) 1,2-Dichlorobenzene	14.80	146	185505	18.735	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	11860	18.877	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	116989	21.898	ug/l	99
94) Hexachlorobutadiene	16.03	225	81322	20.569	ug/l	97
95) Naphthalene	16.12	128	180424	20.917	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	74298	24.511	ug/l	98

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

