

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061419\
 Data File : VD062705.D
 Acq On : 14 Jun 2019 12:35
 Operator : VA/AP
 Sample : VD0614SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Quant Time: Jun 15 04:35:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	737413	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	981127	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	842088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	513431	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	554978	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
35) Dibromofluoromethane	6.93	113	545673	52.74	ug/l	0.02
Spiked Amount			Recovery	=	105.48%	
50) Toluene-d8	10.42	98	1214104	55.78	ug/l	0.00
Spiked Amount			Recovery	=	111.56%	
62) 4-Bromofluorobenzene	13.56	95	566069	55.74	ug/l	0.00
Spiked Amount			Recovery	=	111.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	196111	21.400	ug/l	97
3) Chloromethane	1.75	50	158355	21.703	ug/l	97
4) Vinyl Chloride	1.85	62	145953	19.399	ug/l	99
5) Bromomethane	2.15	94	65158	17.157	ug/l	90
6) Chloroethane	2.27	64	74919	20.168	ug/l	98
7) Trichlorofluoromethane	2.53	101	324440	19.266	ug/l	100
8) Diethyl Ether	2.87	74	51440	22.458	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.14	101	195507	21.527	ug/l	99
10) Methyl Iodide	3.30	142	212303	18.821	ug/l	97
11) Tert butyl alcohol	4.09	59	40694	93.038	ug/l #	89
12) 1,1-Dichloroethene	3.13	96	140979	21.630	ug/l	78
13) Acrolein	3.03	56	12482	88.716	ug/l	89
14) Allyl chloride	3.62	41	215456	21.499	ug/l	94
15) Acrylonitrile	4.21	53	104590	105.228	ug/l	95
16) Acetone	3.23	43	184960	94.924	ug/l	99
17) Carbon Disulfide	3.37	76	354901	18.478	ug/l	97
18) Methyl Acetate	3.64	43	71440	22.310	ug/l #	85
19) Methyl tert-butyl Ether	4.25	73	322878	20.312	ug/l	94
20) Methylene Chloride	3.81	84	146927	19.690	ug/l #	81
21) trans-1,2-Dichloroethene	4.22	96	142480	19.929	ug/l	96
22) Diisopropyl ether	5.13	45	418885	20.130	ug/l #	93
23) Vinyl Acetate	5.06	43	1303460	100.970	ug/l	99
24) 1,1-Dichloroethane	4.99	63	268887	20.086	ug/l #	95
25) 2-Butanone	6.08	43	170716	89.807	ug/l	100
26) 2,2-Dichloropropane	6.03	77	322180	20.882	ug/l	94
27) cis-1,2-Dichloroethene	6.05	96	153041	19.746	ug/l	93
28) Bromochloromethane	6.44	49	95212	18.606	ug/l	88
29) Tetrahydrofuran	6.47	42	79279	92.611	ug/l	99
30) Chloroform	6.67	83	353770	20.598	ug/l	91
31) Cyclohexane	6.96	56	168313	20.044	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	349616	20.457	ug/l	99
36) 1,1-Dichloropropene	7.15	75	218459	19.455	ug/l	96
37) Ethyl Acetate	6.19	43	89289	19.402	ug/l #	87
38) Carbon Tetrachloride	7.12	117	348079	19.612	ug/l #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	189192	20.850	ug/l	95
40) Benzene	7.45	78	445568	20.319	ug/l	95
41) Methacrylonitrile	6.45	41	113632	19.331	ug/l #	91
42) 1,2-Dichloroethane	7.58	62	261389	19.998	ug/l	92
43) Isopropyl Acetate	9.25	43	118694	20.033	ug/l #	97
44) Trichloroethene	8.54	130	185008	20.781	ug/l	99
45) 1,2-Dichloropropane	8.94	63	111896	21.243	ug/l	96
46) Dibromomethane	9.07	93	99721	21.328	ug/l	89
47) Bromodichloromethane	9.38	83	269746	21.209	ug/l	94
48) Methyl methacrylate	9.13	41	79781	18.639	ug/l #	80
49) 1,4-Dioxane	9.09	88	15410	430.830	ug/l #	84
51) 4-Methyl-2-Pentanone	10.30	43	398072	96.019	ug/l	99
52) Toluene	10.52	92	293632	19.920	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	216203	20.733	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	224653	20.844	ug/l	91
55) 1,1,2-Trichloroethane	11.20	97	101758	20.130	ug/l	96
56) Ethyl methacrylate	11.05	69	107423	20.187	ug/l	88
57) 1,3-Dichloropropane	11.41	76	154948	19.776	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.86	63	299667	110.913	ug/l	100
59) 2-Hexanone	11.54	43	312281	101.263	ug/l	98
60) Dibromochloromethane	11.69	129	204227	20.466	ug/l	99
61) 1,2-Dibromoethane	11.81	107	127579	21.087	ug/l	97
64) Tetrachloroethene	11.26	164	160546	20.366	ug/l	95
65) Chlorobenzene	12.40	112	383924	20.612	ug/l	94
66) 1,1,1,2-Tetrachloroethane	12.51	131	177010	19.925	ug/l	97
67) Ethyl Benzene	12.52	91	659729	19.977	ug/l	100
68) m/p-Xylenes	12.67	106	467249	40.245	ug/l	94
69) o-Xylene	13.06	106	215532	20.213	ug/l	92
70) Styrene	13.08	104	364128	19.139	ug/l	99
71) Bromoform	13.23	173	127742	20.514	ug/l	97
73) Isopropylbenzene	13.40	105	741436	20.488	ug/l	99
74) N-amyl acetate	13.27	43	173951	17.786	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.71	83	115139	18.594	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	124928	17.945	ug/l	94
77) Bromobenzene	13.68	156	198693	19.209	ug/l	92
78) n-propylbenzene	13.77	91	818811	18.484	ug/l	99
79) 2-Chlorotoluene	13.84	91	499823	19.271	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	643499	20.120	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	27931	16.370	ug/l #	85
82) 4-Chlorotoluene	13.95	91	619739	19.980	ug/l	100
83) tert-Butylbenzene	14.19	119	697602	19.775	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	586222	18.512	ug/l	99
85) sec-Butylbenzene	14.36	105	742724	20.079	ug/l	96
86) p-Isopropyltoluene	14.49	119	725740	20.151	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	372972	19.904	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	357013	20.160	ug/l	96
89) n-Butylbenzene	14.80	91	628281	19.391	ug/l	97
90) Hexachloroethane	15.00	117	191516	20.143	ug/l	66
91) 1,2-Dichlorobenzene	14.81	146	305438	19.609	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	21747	16.442	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	221217	19.115	ug/l	98
94) Hexachlorobutadiene	16.04	225	174780	19.005	ug/l	98
95) Naphthalene	16.13	128	313988	19.141	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	171452	19.110	ug/l	99

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

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