

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\
 Data File : VD062476.D
 Acq On : 21 May 2019 13:02
 Operator : VA/AP
 Sample : VD0521SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0521SBS01

Quant Time: May 22 01:42:48 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	7.05	168	736118	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1000597	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	833316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	438397	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	419444	53.23	ug/l	-0.01
Spiked Amount			Recovery	=	106.46%	
35) Dibromofluoromethane	6.92	113	470407	52.11	ug/l	-0.02
Spiked Amount			Recovery	=	104.22%	
50) Toluene-d8	10.42	98	1083564	54.85	ug/l	-0.01
Spiked Amount			Recovery	=	109.70%	
62) 4-Bromofluorobenzene	13.56	95	436900	50.56	ug/l	-0.01
Spiked Amount			Recovery	=	101.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	186019	24.382	ug/l	99
3) Chloromethane	1.75	50	122460	24.014	ug/l	95
4) Vinyl Chloride	1.85	62	122281	22.787	ug/l	95
5) Bromomethane	2.15	94	41915	18.102	ug/l	96
6) Chloroethane	2.25	64	45557	17.550	ug/l	91
7) Trichlorofluoromethane	2.52	101	216123	17.431	ug/l	97
8) Diethyl Ether	2.87	74	27429	16.400	ug/l	54
9) 1,1,2-Trichlorotrifluoroet	3.14	101	157110	21.299	ug/l	97
10) Methyl Iodide	3.30	142	205986	20.027	ug/l #	82
11) Tert butyl alcohol	4.09	59	39629	108.957	ug/l #	89
12) 1,1-Dichloroethene	3.12	96	121112	22.216	ug/l	93
13) Acrolein	3.04	56	27134	89.834	ug/l	92
14) Allyl chloride	3.62	41	181739	22.610	ug/l #	80
15) Acrylonitrile	4.20	53	97287	116.731	ug/l #	85
16) Acetone	3.23	43	149434	105.830	ug/l #	86
17) Carbon Disulfide	3.37	76	388441	23.528	ug/l	100
18) Methyl Acetate	3.65	43	58667	24.078	ug/l	91
19) Methyl tert-butyl Ether	4.24	73	259091	20.577	ug/l	94
20) Methylene Chloride	3.81	84	128865	17.299	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	143123	22.426	ug/l	93
22) Diisopropyl ether	5.12	45	384534	22.475	ug/l	90
23) Vinyl Acetate	5.05	43	1086985	105.142	ug/l	96
24) 1,1-Dichloroethane	4.98	63	226323	20.539	ug/l	98
25) 2-Butanone	6.08	43	166811	112.951	ug/l #	90
26) 2,2-Dichloropropane	6.02	77	255742	21.531	ug/l	90
27) cis-1,2-Dichloroethene	6.04	96	155204	22.553	ug/l	95
28) Bromochloromethane	6.44	49	86868	21.965	ug/l	88
29) Tetrahydrofuran	6.46	42	76630	108.646	ug/l	94
30) Chloroform	6.67	83	303736	21.621	ug/l	99
31) Cyclohexane	6.95	56	167333	22.491	ug/l	91
32) 1,1,1-Trichloroethane	6.87	97	301493	21.258	ug/l	98
36) 1,1-Dichloropropene	7.15	75	211250	22.083	ug/l	96
37) Ethyl Acetate	6.18	43	84555	22.752	ug/l #	89
38) Carbon Tetrachloride	7.11	117	317950	22.363	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	184785	23.419	ug/l	97
40) Benzene	7.45	78	435082	23.186	ug/l	97
41) Methacrylonitrile	6.45	41	99492	21.316	ug/l #	84
42) 1,2-Dichloroethane	7.58	62	204596	20.590	ug/l	94
43) Isopropyl Acetate	9.25	43	110220	22.356	ug/l	96
44) Trichloroethene	8.55	130	160197	21.322	ug/l	90
45) 1,2-Dichloropropane	8.94	63	95425	20.868	ug/l	93
46) Dibromomethane	9.07	93	87541	21.119	ug/l	89
47) Bromodichloromethane	9.37	83	226665	21.495	ug/l	95
48) Methyl methacrylate	9.13	41	67018	20.200	ug/l #	85
49) 1,4-Dioxane	9.09	88	13977	469.670	ug/l #	89
51) 4-Methyl-2-Pentanone	10.31	43	344351	105.727	ug/l	97
52) Toluene	10.51	92	290317	22.600	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	191792	21.846	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	206383	22.529	ug/l	90
55) 1,1,2-Trichloroethane	11.19	97	95699	21.981	ug/l	100
56) Ethyl methacrylate	11.05	69	98110	21.080	ug/l #	84
57) 1,3-Dichloropropane	11.41	76	148386	22.224	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	241669	101.120	ug/l	98
59) 2-Hexanone	11.54	43	267392	112.962	ug/l	93
60) Dibromochloromethane	11.69	129	168872	20.195	ug/l	99
61) 1,2-Dibromoethane	11.80	107	117651	21.928	ug/l	97
64) Tetrachloroethene	11.26	164	154754	22.179	ug/l	97
65) Chlorobenzene	12.40	112	346212	21.604	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	162358	21.949	ug/l	95
67) Ethyl Benzene	12.52	91	634719	22.995	ug/l	94
68) m/p-Xylenes	12.67	106	422326	42.624	ug/l	84
69) o-Xylene	13.05	106	177096	18.944	ug/l	86
70) Styrene	13.07	104	321944	20.244	ug/l	94
71) Bromoform	13.24	173	106264	21.631	ug/l #	98
73) Isopropylbenzene	13.41	105	602970	21.820	ug/l	98
74) N-amyl acetate	13.27	43	155121	22.728	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	109691	22.003	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	120038	23.246	ug/l	96
77) Bromobenzene	13.67	156	172717	22.033	ug/l	97
78) n-propylbenzene	13.77	91	707337	22.098	ug/l	93
79) 2-Chlorotoluene	13.84	91	431811	22.230	ug/l	88
80) 1,3,5-Trimethylbenzene	13.94	105	507739	21.221	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	31745	21.798	ug/l #	64
82) 4-Chlorotoluene	13.95	91	494331	22.097	ug/l	87
83) tert-Butylbenzene	14.20	119	587446	22.134	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	531679	21.686	ug/l	95
85) sec-Butylbenzene	14.37	105	592475	21.409	ug/l	98
86) p-Isopropyltoluene	14.49	119	523733	20.883	ug/l	90
87) 1,3-Dichlorobenzene	14.46	146	298548	21.566	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	284415	21.291	ug/l	96
89) n-Butylbenzene	14.81	91	544728	22.506	ug/l	96
90) Hexachloroethane	15.01	117	151742	21.893	ug/l	85
91) 1,2-Dichlorobenzene	14.82	146	262500	22.300	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	19213	20.304	ug/l	91

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93) 1,2,4-Trichlorobenzene	15.95	180	216396	23.347	ug/l	93
94) Hexachlorobutadiene	16.04	225	148144	21.646	ug/l	98
95) Naphthalene	16.12	128	279425	22.063	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	166810	21.953	ug/l	96

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

