

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062297.D
 Acq On : 13 May 2019 11:38
 Operator : FY/SY
 Sample : VD0513SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS01

Quant Time: May 14 05:08:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	633682	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	857318	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	747066	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	405110	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	321397	54.58	ug/l	0.04
Spiked Amount			Recovery	=	109.16%	
35) Dibromofluoromethane	6.93	113	359113	50.48	ug/l	0.04
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	10.43	98	813334	47.42	ug/l	0.03
Spiked Amount			Recovery	=	94.84%	
62) 4-Bromofluorobenzene	13.57	95	354288	51.44	ug/l	0.02
Spiked Amount			Recovery	=	102.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	128293	21.168	ug/l	97
3) Chloromethane	1.76	50	80777	18.445	ug/l	96
4) Vinyl Chloride	1.86	62	84931	19.734	ug/l	95
5) Bromomethane	2.16	94	30188	29.935	ug/l	99
6) Chloroethane	2.26	64	44772	24.791	ug/l	98
7) Trichlorofluoromethane	2.53	101	226857	27.112	ug/l	98
8) Diethyl Ether	2.88	74	31274	19.380	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.15	101	137713	21.757	ug/l	95
10) Methyl Iodide	3.31	142	143942	15.047	ug/l #	76
11) Tert butyl alcohol	4.10	59	31728	105.550	ug/l	96
12) 1,1-Dichloroethene	3.13	96	91936	19.028	ug/l #	79
13) Acrolein	3.05	56	28474	91.583	ug/l	87
14) Allyl chloride	3.63	41	141140	20.090	ug/l #	72
15) Acrylonitrile	4.21	53	74828	94.707	ug/l #	83
16) Acetone	3.23	43	131392	106.394	ug/l #	87
17) Carbon Disulfide	3.38	76	230820	16.607	ug/l	100
18) Methyl Acetate	3.66	43	45694	20.509	ug/l	92
19) Methyl tert-butyl Ether	4.25	73	229224	22.133	ug/l	98
20) Methylene Chloride	3.82	84	110123	21.356	ug/l	96
21) trans-1,2-Dichloroethene	4.24	96	105736	19.666	ug/l	96
22) Diisopropyl ether	5.13	45	319360	21.362	ug/l	92
23) Vinyl Acetate	5.07	43	952374	120.743	ug/l	97
24) 1,1-Dichloroethane	5.00	63	202892	22.497	ug/l	98
25) 2-Butanone	6.09	43	139491	103.553	ug/l #	88
26) 2,2-Dichloropropane	6.04	77	222273	24.742	ug/l	92
27) cis-1,2-Dichloroethene	6.06	96	121107	20.124	ug/l	94
28) Bromochloromethane	6.45	49	88689	24.995	ug/l	84
29) Tetrahydrofuran	6.47	42	62202	100.218	ug/l	94
30) Chloroform	6.68	83	256151	23.567	ug/l	95
31) Cyclohexane	6.96	56	108903	17.626	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	248973	24.235	ug/l	97
36) 1,1-Dichloropropene	7.16	75	153012	21.768	ug/l	93
37) Ethyl Acetate	6.20	43	70208	23.552	ug/l #	90
38) Carbon Tetrachloride	7.13	117	244256	25.106	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	129168	19.179	ug/l	94
40) Benzene	7.47	78	319839	20.150	ug/l	99
41) Methacrylonitrile	6.46	41	79627	21.858	ug/l #	82
42) 1,2-Dichloroethane	7.59	62	177157	26.343	ug/l	92
43) Isopropyl Acetate	9.26	43	91798	21.713	ug/l	95
44) Trichloroethene	8.55	130	118732	19.630	ug/l	75
45) 1,2-Dichloropropane	8.95	63	78578	20.014	ug/l	93
46) Dibromomethane	9.08	93	72444	22.691	ug/l	91
47) Bromodichloromethane	9.39	83	192955	24.708	ug/l	97
48) Methyl methacrylate	9.13	41	62012	23.813	ug/l #	84
49) 1,4-Dioxane	9.10	88	10692	380.540	ug/l #	87
51) 4-Methyl-2-Pentanone	10.31	43	302586	111.343	ug/l	94
52) Toluene	10.53	92	223187	21.611	ug/l	96
53) t-1,3-Dichloropropene	10.93	75	157770	23.375	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	168017	22.818	ug/l #	86
55) 1,1,2-Trichloroethane	11.20	97	81883	22.409	ug/l	97
56) Ethyl methacrylate	11.06	69	81555	21.478	ug/l #	77
57) 1,3-Dichloropropane	11.42	76	114367	20.717	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.87	63	237745	114.624	ug/l	97
59) 2-Hexanone	11.54	43	220980	110.326	ug/l	88
60) Dibromochloromethane	11.70	129	139523	22.094	ug/l	96
61) 1,2-Dibromoethane	11.81	107	96438	21.708	ug/l	94
64) Tetrachloroethene	11.27	164	115835	19.829	ug/l	97
65) Chlorobenzene	12.40	112	269890	19.397	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	132118	21.817	ug/l	94
67) Ethyl Benzene	12.53	91	517057	22.196	ug/l	95
68) m/p-Xylenes	12.68	106	357574	42.191	ug/l	89
69) o-Xylene	13.05	106	169527	21.516	ug/l	78
70) Styrene	13.08	104	266103	19.936	ug/l	96
71) Bromoform	13.24	173	93578	22.211	ug/l	98
73) Isopropylbenzene	13.41	105	514976	21.207	ug/l	94
74) N-amyl acetate	13.27	43	128153	20.129	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	90287	19.640	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	105934	22.004	ug/l	95
77) Bromobenzene	13.67	156	137075	20.164	ug/l	89
78) n-propylbenzene	13.78	91	607755	20.981	ug/l	96
79) 2-Chlorotoluene	13.85	91	350015	21.098	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	423492	20.710	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.48	75	25516	18.774	ug/l #	72
82) 4-Chlorotoluene	13.95	91	428697	21.959	ug/l	79
83) tert-Butylbenzene	14.20	119	498191	21.675	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	445865	21.728	ug/l	90
85) sec-Butylbenzene	14.37	105	550294	21.837	ug/l	95
86) p-Isopropyltoluene	14.50	119	488415	21.693	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	251983	20.292	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	256586	21.029	ug/l	100
89) n-Butylbenzene	14.81	91	427314	21.145	ug/l	94
90) Hexachloroethane	15.01	117	126366	20.639	ug/l	92
91) 1,2-Dichlorobenzene	14.82	146	213857	20.911	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	17175	22.759	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	171684	23.064	ug/l	96
94) Hexachlorobutadiene	16.05	225	119499	21.584	ug/l	96
95) Naphthalene	16.13	128	202606	19.495	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	113590	24.270	ug/l	95

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

