

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061919\
 Data File : VD062777.D
 Acq On : 19 Jun 2019 14:18
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 20 01:42:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:31:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	878641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1123673	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	945737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	489956	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	44049	4.61	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	9.22%	
35) Dibromofluoromethane	6.93	113	47755	5.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.08%	
50) Toluene-d8	10.41	98	95561	4.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.26%	
62) 4-Bromofluorobenzene	13.56	95	45054	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	55226	4.852	ug/l	89
3) Chloromethane	1.74	50	44756	5.229	ug/l	98
4) Vinyl Chloride	1.85	62	44928	5.294	ug/l	99
5) Bromomethane	2.15	94	20520	5.163	ug/l #	93
6) Chloroethane	2.27	64	20189	5.255	ug/l #	75
7) Trichlorofluoromethane	2.53	101	90307	5.258	ug/l	92
8) Diethyl Ether	2.87	74	10922	5.005	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.15	101	49090	5.276	ug/l	90
10) Methyl Iodide	3.30	142	53714	4.376	ug/l	87
11) Tert butyl alcohol	4.09	59	13870	31.854	ug/l #	77
12) 1,1-Dichloroethene	3.13	96	35857	5.137	ug/l #	93
13) Acrolein	3.04	56	13243	29.793	ug/l	94
14) Allyl chloride	3.62	41	54568	5.297	ug/l	98
15) Acrylonitrile	4.19	53	25192	24.625	ug/l #	86
16) Acetone	3.22	43	81442	38.068	ug/l #	90
17) Carbon Disulfide	3.37	76	116609	5.235	ug/l	96
18) Methyl Acetate	3.63	43	15714	5.445	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	76484	5.062	ug/l #	86
20) Methylene Chloride	3.82	84	42815	5.872	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	39556	5.323	ug/l	87
22) Diisopropyl ether	5.13	45	103863	4.952	ug/l	92
23) Vinyl Acetate	5.07	43	315560	23.997	ug/l	98
24) 1,1-Dichloroethane	4.98	63	69827	5.114	ug/l	98
25) 2-Butanone	6.07	43	40912	22.883	ug/l	98
26) 2,2-Dichloropropane	6.02	77	73940	5.108	ug/l	92
27) cis-1,2-Dichloroethene	6.04	96	42394	5.394	ug/l	96
28) Bromochloromethane	6.45	49	21589	4.489	ug/l	91
29) Tetrahydrofuran	6.47	42	22046	26.061	ug/l	96
30) Chloroform	6.67	83	87781	5.286	ug/l	90
31) Cyclohexane	6.96	56	45332	5.050	ug/l #	87
32) 1,1,1-Trichloroethane	6.87	97	85281	4.930	ug/l	89
36) 1,1-Dichloropropene	7.15	75	54057	5.082	ug/l #	93
37) Ethyl Acetate	6.18	43	34804	7.145	ug/l #	63
38) Carbon Tetrachloride	7.10	117	87538	5.373	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	49454	5.282	ug/l	98
40) Benzene	7.45	78	111081	5.202	ug/l	97
41) Methacrylonitrile	6.46	41	31462	5.609	ug/l #	94
42) 1,2-Dichloroethane	7.59	62	57471	4.934	ug/l	99
43) Isopropyl Acetate	9.24	43	27008	4.843	ug/l #	84
44) Trichloroethene	8.54	130	44745	5.345	ug/l	90
45) 1,2-Dichloropropane	8.95	63	29023	5.466	ug/l	89
46) Dibromomethane	9.07	93	24850	5.449	ug/l #	84
47) Bromodichloromethane	9.38	83	58040	4.900	ug/l	99
48) Methyl methacrylate	9.12	41	21436	5.409	ug/l	98
49) 1,4-Dioxane	9.08	88	2514m	76.250	ug/l	
51) 4-Methyl-2-Pentanone	10.30	43	103782	26.248	ug/l	99
52) Toluene	10.51	92	82663	5.759	ug/l	91
53) t-1,3-Dichloropropene	10.92	75	45401	4.683	ug/l #	84
54) cis-1,3-Dichloropropene	10.05	75	52302	4.963	ug/l	93
55) 1,1,2-Trichloroethane	11.19	97	27524	5.582	ug/l #	85
56) Ethyl methacrylate	11.04	69	28193	5.350	ug/l	98
57) 1,3-Dichloropropane	11.41	76	40121	5.314	ug/l #	87
58) 2-Chloroethyl Vinyl ether	9.86	63	71826	26.549	ug/l	92
59) 2-Hexanone	11.53	43	74762	26.550	ug/l	91
60) Dibromochloromethane	11.69	129	43773	4.766	ug/l	98
61) 1,2-Dibromoethane	11.81	107	28430	4.882	ug/l #	75
64) Tetrachloroethene	11.26	164	44415	5.706	ug/l	97
65) Chlorobenzene	12.40	112	94542	5.386	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.52	131	42340	5.158	ug/l	83
67) Ethyl Benzene	12.53	91	174359	5.533	ug/l	98
68) m/p-Xylenes	12.67	106	111568	10.165	ug/l	98
69) o-Xylene	13.05	106	50780	5.061	ug/l	91
70) Styrene	13.08	104	94597	5.368	ug/l	90
71) Bromoform	13.24	173	27221	4.840	ug/l	97
73) Isopropylbenzene	13.41	105	179127	5.702	ug/l	99
74) N-amyl acetate	13.27	43	40757	5.342	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	29336	5.731	ug/l	93
76) 1,2,3-Trichloropropane	13.74	75	33031	5.840	ug/l	92
77) Bromobenzene	13.67	156	49008	5.800	ug/l	96
78) n-propylbenzene	13.78	91	209491	5.729	ug/l	99
79) 2-Chlorotoluene	13.84	91	119720	5.735	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	151529	5.742	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	6816	4.598	ug/l #	60
82) 4-Chlorotoluene	13.95	91	142199	5.653	ug/l	94
83) tert-Butylbenzene	14.19	119	170760	5.806	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	158823	5.872	ug/l	91
85) sec-Butylbenzene	14.37	105	192865	6.033	ug/l	97
86) p-Isopropyltoluene	14.50	119	167015	5.711	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	87538	5.779	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	82935	5.451	ug/l	97
89) n-Butylbenzene	14.80	91	159627	5.832	ug/l	99
90) Hexachloroethane	15.01	117	42779	5.440	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	75572	5.832	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	4277	4.281	ug/l #	49

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	55324	5.465	ug/l	94
94) Hexachlorobutadiene	16.04	225	45930	5.939	ug/l	97
95) Naphthalene	16.12	128	76120	5.365	ug/l #	96
96) 1,2,3-Trichlorobenzene	16.27	180	42382	5.449	ug/l	89

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

