

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051019\
 Data File : VD062208.D
 Acq On : 10 May 2019 11:49
 Operator : FY/SY
 Sample : VD0510SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS01

Quant Time: May 10 23:30:43 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	7.04	168	849140	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	1128806	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	910308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	503926	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	411245	52.11	ug/l	0.03
Spiked Amount			Recovery	=	104.22%	
35) Dibromofluoromethane	6.92	113	501730	53.57	ug/l	0.03
Spiked Amount			Recovery	=	107.14%	
50) Toluene-d8	10.41	98	1162419	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	13.55	95	488202	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	143502	17.670	ug/l	96
3) Chloromethane	1.76	50	95686	16.306	ug/l	98
4) Vinyl Chloride	1.85	62	95474	16.555	ug/l	93
5) Bromomethane	2.15	94	27490	20.343	ug/l	91
6) Chloroethane	2.26	64	43146	17.829	ug/l	94
7) Trichlorofluoromethane	2.52	101	207303	18.489	ug/l	97
8) Diethyl Ether	2.87	74	34974	16.174	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.14	101	155932	18.385	ug/l	98
10) Methyl Iodide	3.30	142	178688	13.939	ug/l	92
11) Tert butyl alcohol	4.09	59	34110	84.682	ug/l	96
12) 1,1-Dichloroethene	3.12	96	101484	15.674	ug/l	92
13) Acrolein	3.04	56	32985	79.173	ug/l	95
14) Allyl chloride	3.62	41	155942	16.565	ug/l #	83
15) Acrylonitrile	4.20	53	86548	81.746	ug/l #	82
16) Acetone	3.22	43	164576	99.450	ug/l #	87
17) Carbon Disulfide	3.37	76	292201	15.688	ug/l	98
18) Methyl Acetate	3.65	43	47386	15.803	ug/l #	88
19) Methyl tert-butyl Ether	4.24	73	221866	15.987	ug/l	95
20) Methylene Chloride	3.81	84	138813	20.090	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	112655	15.636	ug/l	90
22) Diisopropyl ether	5.12	45	353719	17.657	ug/l	96
23) Vinyl Acetate	5.05	43	965283	91.327	ug/l	98
24) 1,1-Dichloroethane	4.98	63	206137	17.057	ug/l	96
25) 2-Butanone	6.07	43	165195	91.518	ug/l	100
26) 2,2-Dichloropropane	6.02	77	223639	18.578	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	136866	16.972	ug/l	96
28) Bromochloromethane	6.43	49	100997	21.242	ug/l	89
29) Tetrahydrofuran	6.46	42	67343	80.971	ug/l	99
30) Chloroform	6.67	83	265341	18.218	ug/l	99
31) Cyclohexane	6.96	56	128177	15.481	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	246656	17.917	ug/l	97
36) 1,1-Dichloropropene	7.15	75	177997	19.232	ug/l	95
37) Ethyl Acetate	6.19	43	67418	17.177	ug/l #	93
38) Carbon Tetrachloride	7.11	117	251903	19.665	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	160549	18.105	ug/l	99
40) Benzene	7.45	78	368911	17.652	ug/l	98
41) Methacrylonitrile	6.45	41	88743	18.502	ug/l #	92
42) 1,2-Dichloroethane	7.58	62	173719	19.619	ug/l	97
43) Isopropyl Acetate	9.23	43	96109	17.266	ug/l	94
44) Trichloroethene	8.54	130	147380	18.506	ug/l	95
45) 1,2-Dichloropropane	8.94	63	86585	16.749	ug/l	95
46) Dibromomethane	9.06	93	72367	17.215	ug/l	90
47) Bromodichloromethane	9.37	83	189743	18.453	ug/l	99
48) Methyl methacrylate	9.12	41	60767	17.723	ug/l #	82
49) 1,4-Dioxane	9.09	88	11788	318.643	ug/l	92
51) 4-Methyl-2-Pentanone	10.30	43	313217	87.535	ug/l	95
52) Toluene	10.50	92	245928	18.086	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	161701	18.195	ug/l	94
54) cis-1,3-Dichloropropene	10.04	75	173998	17.947	ug/l	94
55) 1,1,2-Trichloroethane	11.19	97	92115	19.146	ug/l	96
56) Ethyl methacrylate	11.05	69	85903	17.182	ug/l #	91
57) 1,3-Dichloropropane	11.41	76	122294	16.825	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	255363	93.507	ug/l	92
59) 2-Hexanone	11.53	43	246396	93.429	ug/l	96
60) Dibromochloromethane	11.69	129	148750	17.890	ug/l	98
61) 1,2-Dibromoethane	11.80	107	102935	17.598	ug/l	99
64) Tetrachloroethene	11.25	164	127907	17.969	ug/l	95
65) Chlorobenzene	12.39	112	323132	19.058	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	145960	19.781	ug/l	95
67) Ethyl Benzene	12.52	91	573722	20.212	ug/l	97
68) m/p-Xylenes	12.67	106	404397	39.159	ug/l	93
69) o-Xylene	13.04	106	182662	19.025	ug/l	87
70) Styrene	13.07	104	284595	17.498	ug/l	99
71) Bromoform	13.23	173	94113	18.332	ug/l #	96
73) Isopropylbenzene	13.41	105	549246	18.183	ug/l	99
74) N-amyl acetate	13.27	43	131957	16.662	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	92080	16.102	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	104619	17.469	ug/l	96
77) Bromobenzene	13.67	156	158482	18.742	ug/l	91
78) n-propylbenzene	13.77	91	682138	18.931	ug/l	95
79) 2-Chlorotoluene	13.84	91	381575	18.490	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	473452	18.613	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	28209	16.685	ug/l #	85
82) 4-Chlorotoluene	13.95	91	464270	19.118	ug/l	92
83) tert-Butylbenzene	14.18	119	533536	18.661	ug/l	91
84) 1,2,4-Trimethylbenzene	14.23	105	436244	17.090	ug/l	91
85) sec-Butylbenzene	14.37	105	565942	18.054	ug/l	99
86) p-Isopropyltoluene	14.49	119	521343	18.615	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	294954	19.094	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	283143	18.655	ug/l	94
89) n-Butylbenzene	14.79	91	488856	19.447	ug/l	95
90) Hexachloroethane	15.01	117	142231	18.674	ug/l	71
91) 1,2-Dichlorobenzene	14.80	146	244100	19.188	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	15349	16.351	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	190445	20.567	ug/l	93
94) Hexachlorobutadiene	16.03	225	130961	19.016	ug/l	99
95) Naphthalene	16.12	128	249005	19.262	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	137985	23.701	ug/l	95

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

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