

Data File : VD062231.D
Acq On : 11 May 2019 12:23
Operator : FY/SY
Sample : VD0511SBSD01
Misc : 5.00g/5mL/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0511SBSD01

Quant Time: May 11 22:19:59 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	875206	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	1189520	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	972372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	503347	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	356245	43.80	ug/l	0.02
Spiked Amount	50.000		Recovery	=	87.60%	
35) Dibromofluoromethane	6.92	113	442202	44.80	ug/l	0.03
Spiked Amount	50.000		Recovery	=	89.60%	
50) Toluene-d8	10.41	98	1048500	44.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.12%	
62) 4-Bromofluorobenzene	13.56	95	436555	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	150582	17.989	ug/l	96
3) Chloromethane	1.75	50	105015	17.363	ug/l	92
4) Vinyl Chloride	1.85	62	103469	17.407	ug/l	100
5) Bromomethane	2.15	94	31562	22.660	ug/l	97
6) Chloroethane	2.25	64	53846	21.588	ug/l	94
7) Trichlorofluoromethane	2.52	101	230585	19.953	ug/l	100
8) Diethyl Ether	2.87	74	33670	15.107	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.14	101	180281	20.622	ug/l	98
10) Methyl Iodide	3.30	142	201420	15.245	ug/l #	86
11) Tert butyl alcohol	4.07	59	37705	90.819	ug/l	99
12) 1,1-Dichloroethene	3.12	96	127333	19.081	ug/l	94
13) Acrolein	3.04	56	37379	87.048	ug/l	99
14) Allyl chloride	3.62	41	181853	18.742	ug/l	86
15) Acrylonitrile	4.20	53	101035	92.587	ug/l	86
16) Acetone	3.22	43	183755	107.732	ug/l	90
17) Carbon Disulfide	3.37	76	322111	16.779	ug/l	99
18) Methyl Acetate	3.64	43	54335	17.615	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	280136	19.585	ug/l	95
20) Methylene Chloride	3.81	84	141123	19.816	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	135294	18.219	ug/l	93
22) Diisopropyl ether	5.11	45	398389	19.295	ug/l	93
23) Vinyl Acetate	5.05	43	1128205	103.563	ug/l	97
24) 1,1-Dichloroethane	4.97	63	243837	19.576	ug/l	97
25) 2-Butanone	6.07	43	179289	96.368	ug/l	98
26) 2,2-Dichloropropane	6.03	77	253084	20.398	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	156601	18.840	ug/l	97
28) Bromochloromethane	6.43	49	107711	21.979	ug/l	90
29) Tetrahydrofuran	6.45	42	78974	92.127	ug/l	98
30) Chloroform	6.66	83	288439	19.214	ug/l	98
31) Cyclohexane	6.95	56	150118	17.591	ug/l	92
32) 1,1,1-Trichloroethane	6.86	97	285768	20.140	ug/l	97
36) 1,1-Dichloropropene	7.14	75	196343	20.132	ug/l	94
37) Ethyl Acetate	6.17	43	80850	19.547	ug/l #	90
38) Carbon Tetrachloride	7.11	117	280243	20.760	ug/l	98

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39) Methylcyclohexane	8.86	83	180619	19.329	ug/l	97
40) Benzene	7.45	78	421357	19.132	ug/l	93
41) Methacrylonitrile	6.44	41	100404	19.864	ug/l #	89
42) 1,2-Dichloroethane	7.57	62	184418	19.764	ug/l	94
43) Isopropyl Acetate	9.24	43	114678	19.550	ug/l	96
44) Trichloroethene	8.54	130	161574	19.253	ug/l	80
45) 1,2-Dichloropropane	8.93	63	108208	19.864	ug/l	98
46) Dibromomethane	9.06	93	81016	18.289	ug/l	87
47) Bromodichloromethane	9.37	83	222331	20.519	ug/l	96
48) Methyl methacrylate	9.12	41	79605	22.032	ug/l	94
49) 1,4-Dioxane	9.09	88	12278	314.948	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	383429	101.688	ug/l	96
52) Toluene	10.50	92	287482	20.063	ug/l	94
53) t-1,3-Dichloropropene	10.91	75	187910	20.065	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	198676	19.447	ug/l #	88
55) 1,1,2-Trichloroethane	11.18	97	103720	20.458	ug/l	98
56) Ethyl methacrylate	11.04	69	103400	19.626	ug/l #	90
57) 1,3-Dichloropropane	11.40	76	151827	19.822	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	287306	99.834	ug/l	94
59) 2-Hexanone	11.53	43	283593	102.044	ug/l	92
60) Dibromochloromethane	11.69	129	168330	19.211	ug/l	99
61) 1,2-Dibromoethane	11.80	107	113826	18.466	ug/l	97
64) Tetrachloroethene	11.25	164	149249	19.629	ug/l	96
65) Chlorobenzene	12.39	112	338818	18.708	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	155901	19.779	ug/l	94
67) Ethyl Benzene	12.52	91	604925	19.951	ug/l	97
68) m/p-Xylenes	12.67	106	446441	40.471	ug/l	91
69) o-Xylene	13.04	106	206498	20.135	ug/l	86
70) Styrene	13.07	104	357134	20.557	ug/l	99
71) Bromoform	13.23	173	109410	19.951	ug/l #	99
73) Isopropylbenzene	13.40	105	614166	20.355	ug/l	96
74) N-amyl acetate	13.26	43	150062	18.970	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	115594	20.237	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	121940	20.385	ug/l	98
77) Bromobenzene	13.66	156	179485	21.250	ug/l	88
78) n-propylbenzene	13.77	91	789188	21.927	ug/l	98
79) 2-Chlorotoluene	13.84	91	415632	20.163	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	530669	20.886	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.47	75	29764	17.625	ug/l #	78
82) 4-Chlorotoluene	13.95	91	519926	21.434	ug/l	93
83) tert-Butylbenzene	14.18	119	626016	21.921	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	550513	21.592	ug/l	93
85) sec-Butylbenzene	14.36	105	668843	21.361	ug/l	97
86) p-Isopropyltoluene	14.49	119	579736	20.724	ug/l	94
87) 1,3-Dichlorobenzene	14.45	146	334202	21.660	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	318323	20.997	ug/l	96
89) n-Butylbenzene	14.80	91	560292	22.314	ug/l	94
90) Hexachloroethane	15.00	117	154416	20.298	ug/l	99
91) 1,2-Dichlorobenzene	14.80	146	279240	21.975	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	17256	18.404	ug/l	79

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Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	223150	24.127	ug/l	94
94) Hexachlorobutadiene	16.04	225	155664	22.629	ug/l	96
95) Naphthalene	16.12	128	268829	20.819	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	154161	26.510	ug/l	94

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

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