

Data File : VD062230.D
Acq On : 11 May 2019 11:55
Operator : FY/SY
Sample : VD0511SBS01
Misc : 5.00g/5mL/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

Quant Time: May 11 22:19:33 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	834201	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	1140499	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	954988	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	467720	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	357076	46.06	ug/l	0.03
Spiked Amount	50.000		Recovery	=	92.12%	
35) Dibromofluoromethane	6.92	113	452610	47.83	ug/l	0.03
Spiked Amount	50.000		Recovery	=	95.66%	
50) Toluene-d8	10.41	98	1040684	45.61	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.22%	
62) 4-Bromofluorobenzene	13.56	95	436607	47.65	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.30%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.58	85	165275	20.715	ug/l	96
3) Chloromethane	1.76	50	111186	19.286	ug/l	96
4) Vinyl Chloride	1.86	62	111552	19.689	ug/l	96
5) Bromomethane	2.15	94	34030	25.633	ug/l	98
6) Chloroethane	2.26	64	51284	21.571	ug/l	98
7) Trichlorofluoromethane	2.53	101	246123	22.344	ug/l	99
8) Diethyl Ether	2.88	74	37367	17.590	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.14	101	189300	22.718	ug/l	96
10) Methyl Iodide	3.30	142	204043	16.202	ug/l #	88
11) Tert butyl alcohol	4.07	59	37596	95.008	ug/l #	86
12) 1,1-Dichloroethene	3.12	96	137512	21.619	ug/l	92
13) Acrolein	3.04	56	39554	96.641	ug/l	96
14) Allyl chloride	3.62	41	183286	19.818	ug/l	90
15) Acrylonitrile	4.20	53	102201	98.259	ug/l	91
16) Acetone	3.22	43	186667	114.819	ug/l	91
17) Carbon Disulfide	3.38	76	342574	18.722	ug/l	99
18) Methyl Acetate	3.65	43	51129	17.386	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	274406	20.127	ug/l	94
20) Methylene Chloride	3.81	84	144204	21.244	ug/l	90
21) trans-1,2-Dichloroethene	4.22	96	142399	20.119	ug/l	96
22) Diisopropyl ether	5.11	45	405448	20.602	ug/l #	86
23) Vinyl Acetate	5.05	43	1110581	106.956	ug/l	99
24) 1,1-Dichloroethane	4.98	63	240813	20.283	ug/l	99
25) 2-Butanone	6.08	43	180479	101.776	ug/l	96
26) 2,2-Dichloropropane	6.02	77	265647	22.462	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	155276	19.599	ug/l	97
28) Bromochloromethane	6.43	49	109955	23.540	ug/l	86
29) Tetrahydrofuran	6.46	42	78925	96.596	ug/l	95
30) Chloroform	6.67	83	305800	21.372	ug/l	99
31) Cyclohexane	6.96	56	159169	19.569	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	319314	23.611	ug/l	98
36) 1,1-Dichloropropene	7.15	75	213018	22.780	ug/l	96
37) Ethyl Acetate	6.18	43	80777	20.369	ug/l #	91
38) Carbon Tetrachloride	7.11	117	295912	22.863	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	188036	20.988	ug/l	97
40) Benzene	7.45	78	437405	20.715	ug/l	97
41) Methacrylonitrile	6.45	41	103705	21.399	ug/l #	86
42) 1,2-Dichloroethane	7.58	62	200213	22.379	ug/l	94
43) Isopropyl Acetate	9.24	43	112135	19.938	ug/l	92
44) Trichloroethene	8.54	130	165101	20.519	ug/l	90
45) 1,2-Dichloropropane	8.94	63	109219	20.911	ug/l	100
46) Dibromomethane	9.07	93	87921	20.701	ug/l	93
47) Bromodichloromethane	9.37	83	231412	22.275	ug/l	96
48) Methyl methacrylate	9.12	41	70030	20.215	ug/l #	85
49) 1,4-Dioxane	9.08	88	13805	369.339	ug/l #	63
51) 4-Methyl-2-Pentanone	10.30	43	361257	99.926	ug/l	96
52) Toluene	10.51	92	302048	21.985	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	193852	21.590	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	207059	21.138	ug/l #	87
55) 1,1,2-Trichloroethane	11.19	97	96248	19.800	ug/l	99
56) Ethyl methacrylate	11.04	69	98096	19.420	ug/l #	85
57) 1,3-Dichloropropane	11.41	76	154576	21.048	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	284436	103.085	ug/l	99
59) 2-Hexanone	11.53	43	286879	107.664	ug/l	92
60) Dibromochloromethane	11.69	129	178023	21.191	ug/l	98
61) 1,2-Dibromoethane	11.80	107	122336	20.700	ug/l	93
64) Tetrachloroethene	11.25	164	161557	21.634	ug/l	96
65) Chlorobenzene	12.39	112	378078	21.256	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	162316	20.968	ug/l	95
67) Ethyl Benzene	12.52	91	639266	21.468	ug/l	95
68) m/p-Xylenes	12.67	106	445934	41.161	ug/l	95
69) o-Xylene	13.04	106	228470	22.683	ug/l	89
70) Styrene	13.07	104	363969	21.332	ug/l	98
71) Bromoform	13.23	173	115167	21.384	ug/l	99
73) Isopropylbenzene	13.40	105	682314	24.337	ug/l	96
74) N-amyl acetate	13.26	43	147894	20.120	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	109859	20.698	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	119548	21.507	ug/l	96
77) Bromobenzene	13.67	156	189835	24.188	ug/l	93
78) n-propylbenzene	13.77	91	800619	23.939	ug/l	97
79) 2-Chlorotoluene	13.84	91	448619	23.421	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	531109	22.496	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.47	75	30535	19.459	ug/l #	87
82) 4-Chlorotoluene	13.95	91	550238	24.412	ug/l	92
83) tert-Butylbenzene	14.19	119	602438	22.702	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	537151	22.673	ug/l	90
85) sec-Butylbenzene	14.36	105	731187	25.131	ug/l	97
86) p-Isopropyltoluene	14.49	119	551647	21.222	ug/l	93
87) 1,3-Dichlorobenzene	14.45	146	345733	24.114	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	299704	21.275	ug/l	96
89) n-Butylbenzene	14.80	91	559166	23.966	ug/l	94
90) Hexachloroethane	15.00	117	161453	22.839	ug/l	100
91) 1,2-Dichlorobenzene	14.81	146	273284	23.145	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	18640	21.394	ug/l	75

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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	199627	23.228	ug/l	93
94) Hexachlorobutadiene	16.04	225	155133	24.269	ug/l	99
95) Naphthalene	16.12	128	277582	23.134	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	145666	26.957	ug/l	96

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

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