

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082119\
 Data File : VD063708.D
 Acq On : 21 Aug 2019 13:02
 Operator : JC/SY
 Sample : VD0821SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Quant Time: Aug 22 01:24:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1018288	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1409350	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1153657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	612737	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	570347	52.40	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.80%	
35) Dibromofluoromethane	6.92	113	609225	51.33	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.66%	
50) Toluene-d8	10.41	98	1424591	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
62) 4-Bromofluorobenzene	13.55	95	578158	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	271345	22.026	ug/l	95
3) Chloromethane	1.74	50	201298	20.913	ug/l	94
4) Vinyl Chloride	1.84	62	214796	22.479	ug/l	98
5) Bromomethane	2.14	94	87310	19.365	ug/l	98
6) Chloroethane	2.24	64	90861	20.794	ug/l	94
7) Trichlorofluoromethane	2.52	101	394225	21.034	ug/l	96
8) Diethyl Ether	2.87	74	52833	19.965	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	221251	19.992	ug/l	95
10) Methyl Iodide	3.30	142	295378	18.863	ug/l	95
11) Tert butyl alcohol	4.09	59	55522	117.176	ug/l	98
12) 1,1-Dichloroethene	3.11	96	165090	20.064	ug/l	95
13) Acrolein	3.03	56	30306	64.978	ug/l	97
14) Allyl chloride	3.61	41	277050	22.398	ug/l	99
15) Acrylonitrile	4.19	53	137311	109.405	ug/l	87
16) Acetone	3.22	43	236592	106.927	ug/l	95
17) Carbon Disulfide	3.36	76	553797	21.326	ug/l	100
18) Methyl Acetate	3.64	43	90656	21.631	ug/l #	90
19) Methyl tert-butyl Ether	4.24	73	385961	23.455	ug/l	98
20) Methylene Chloride	3.81	84	196391	20.526	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	182252	21.049	ug/l	94
22) Diisopropyl ether	5.12	45	577749	22.635	ug/l	99
23) Vinyl Acetate	5.05	43	1739237	117.209	ug/l	99
24) 1,1-Dichloroethane	4.98	63	351110	22.179	ug/l	96
25) 2-Butanone	6.07	43	264661	121.110	ug/l	97
26) 2,2-Dichloropropane	6.02	77	381079	24.167	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	232535	24.546	ug/l	94
28) Bromochloromethane	6.44	49	127853	19.927	ug/l	96
29) Tetrahydrofuran	6.46	42	118752	116.619	ug/l	98
30) Chloroform	6.65	83	437637	22.240	ug/l	92
31) Cyclohexane	6.94	56	210412	21.409	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	420211	22.324	ug/l	98
36) 1,1-Dichloropropene	7.14	75	268461	21.548	ug/l	96
37) Ethyl Acetate	6.18	43	114622	21.955	ug/l	97
38) Carbon Tetrachloride	7.11	117	413602	22.027	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	224398	21.181	ug/l	98
40) Benzene	7.45	78	612674	22.346	ug/l	99
41) Methacrylonitrile	6.45	41	160023	24.344	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	317627	23.039	ug/l	97
43) Isopropyl Acetate	9.24	43	169439	24.233	ug/l #	98
44) Trichloroethene	8.53	130	231404	22.081	ug/l	92
45) 1,2-Dichloropropane	8.94	63	148898	23.320	ug/l	94
46) Dibromomethane	9.05	93	125240	22.969	ug/l	92
47) Bromodichloromethane	9.37	83	315032	22.524	ug/l	94
48) Methyl methacrylate	9.12	41	112305	23.683	ug/l	98
49) 1,4-Dioxane	9.07	88	18491	450.614	ug/l #	80
51) 4-Methyl-2-Pentanone	10.30	43	551658	115.300	ug/l	96
52) Toluene	10.51	92	417884	23.663	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	263289	23.066	ug/l	94
54) cis-1,3-Dichloropropene	10.04	75	294194	22.858	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	134974	22.626	ug/l	96
56) Ethyl methacrylate	11.04	69	146034	22.554	ug/l	92
57) 1,3-Dichloropropane	11.41	76	204598	22.690	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.85	63	376667	110.193	ug/l	99
59) 2-Hexanone	11.54	43	421885	121.184	ug/l	94
60) Dibromochloromethane	11.68	129	237175	21.850	ug/l	94
61) 1,2-Dibromoethane	11.80	107	160868	22.276	ug/l	99
64) Tetrachloroethene	11.26	164	198228	22.258	ug/l	95
65) Chlorobenzene	12.40	112	500262	23.136	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.51	131	225425	23.689	ug/l	92
67) Ethyl Benzene	12.52	91	867519	23.075	ug/l	98
68) m/p-Xylenes	12.67	106	616389	46.666	ug/l	97
69) o-Xylene	13.05	106	277666	21.841	ug/l	98
70) Styrene	13.07	104	464764	20.553	ug/l	97
71) Bromoform	13.24	173	142335	21.814	ug/l	96
73) Isopropylbenzene	13.41	105	853140	21.890	ug/l	98
74) N-amyl acetate	13.27	43	222532	22.746	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	13.70	83	142860	22.084	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	176757	25.135	ug/l	97
77) Bromobenzene	13.67	156	230569	21.646	ug/l	85
78) n-propylbenzene	13.77	91	1032592	22.644	ug/l	91
79) 2-Chlorotoluene	13.84	91	614722	23.380	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	727974	21.378	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	42538	22.506	ug/l	84
82) 4-Chlorotoluene	13.95	91	687342	21.740	ug/l	99
83) tert-Butylbenzene	14.19	119	816179	22.761	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	770649	24.459	ug/l	92
85) sec-Butylbenzene	14.37	105	856546	22.493	ug/l	96
86) p-Isopropyltoluene	14.49	119	776632	21.330	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	437482	22.707	ug/l	93
88) 1,4-Dichlorobenzene	14.54	146	412779	22.331	ug/l	99
89) n-Butylbenzene	14.79	91	742327	22.338	ug/l	93
90) Hexachloroethane	15.01	117	210660	23.018	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	368404	22.537	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.37	75	27304	22.416	ug/l	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	269829	22.433	ug/l	99
94) Hexachlorobutadiene	16.03	225	196953	21.485	ug/l	95
95) Naphthalene	16.12	128	453369	24.871	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	215604	22.193	ug/l	97

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

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