

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081519\
 Data File : VD063606.D
 Acq On : 15 Aug 2019 15:33
 Operator : JC/SY
 Sample : VD0815SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

Quant Time: Aug 15 15:56:20 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	7.04	168	1029261	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1509538	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1282531	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	624890	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	581548	52.86	ug/l	-0.02
Spiked Amount			Recovery	=	105.72%	
35) Dibromofluoromethane	6.91	113	658650	51.81	ug/l	-0.02
Spiked Amount			Recovery	=	103.62%	
50) Toluene-d8	10.40	98	1518967	54.34	ug/l	-0.02
Spiked Amount			Recovery	=	108.68%	
62) 4-Bromofluorobenzene	13.55	95	604577	47.72	ug/l	-0.01
Spiked Amount			Recovery	=	95.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	251740	20.216	ug/l	99
3) Chloromethane	1.73	50	212394	21.831	ug/l	99
4) Vinyl Chloride	1.84	62	205367	21.264	ug/l	99
5) Bromomethane	2.14	94	83945	18.420	ug/l	92
6) Chloroethane	2.25	64	78063	17.675	ug/l	93
7) Trichlorofluoromethane	2.52	101	385237	20.335	ug/l	93
8) Diethyl Ether	2.87	74	56596	21.159	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.13	101	233801	20.901	ug/l #	88
10) Methyl Iodide	3.29	142	286265	18.086	ug/l	95
11) Tert butyl alcohol	4.08	59	55619	116.130	ug/l	95
12) 1,1-Dichloroethene	3.11	96	158843	19.099	ug/l	93
13) Acrolein	3.03	56	40124	85.112	ug/l	94
14) Allyl chloride	3.61	41	260557	20.840	ug/l	98
15) Acrylonitrile	4.19	53	135297	106.651	ug/l	98
16) Acetone	3.22	43	215898	96.534	ug/l	95
17) Carbon Disulfide	3.36	76	535618	20.406	ug/l	99
18) Methyl Acetate	3.63	43	93312	22.027	ug/l #	91
19) Methyl tert-butyl Ether	4.23	73	364021	21.886	ug/l	97
20) Methylene Chloride	3.80	84	206453	21.348	ug/l	90
21) trans-1,2-Dichloroethene	4.21	96	192043	21.943	ug/l	90
22) Diisopropyl ether	5.12	45	529883	20.538	ug/l	94
23) Vinyl Acetate	5.04	43	1639670	109.321	ug/l	100
24) 1,1-Dichloroethane	4.96	63	352246	22.013	ug/l	99
25) 2-Butanone	6.07	43	224735	101.744	ug/l	95
26) 2,2-Dichloropropane	6.01	77	319080	20.020	ug/l	93
27) cis-1,2-Dichloroethene	6.03	96	197076	20.581	ug/l	97
28) Bromochloromethane	6.43	49	135311	20.864	ug/l	96
29) Tetrahydrofuran	6.45	42	115089	111.817	ug/l	98
30) Chloroform	6.66	83	421305	21.182	ug/l	94
31) Cyclohexane	6.94	56	209468	21.086	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	410636	21.583	ug/l	97
36) 1,1-Dichloropropene	7.14	75	275047	20.611	ug/l	96
37) Ethyl Acetate	6.18	43	121768	21.776	ug/l #	93
38) Carbon Tetrachloride	7.10	117	369457	18.370	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	210544	18.554	ug/l	93
40) Benzene	7.44	78	594960	20.260	ug/l	96
41) Methacrylonitrile	6.44	41	152553	21.667	ug/l #	94
42) 1,2-Dichloroethane	7.57	62	307101	20.797	ug/l	99
43) Isopropyl Acetate	9.24	43	162401	21.685	ug/l #	95
44) Trichloroethene	8.53	130	224873	20.034	ug/l	96
45) 1,2-Dichloropropane	8.93	63	138773	20.292	ug/l	91
46) Dibromomethane	9.06	93	127070	21.758	ug/l	90
47) Bromodichloromethane	9.36	83	314453	20.990	ug/l	96
48) Methyl methacrylate	9.11	41	107801	21.225	ug/l	99
49) 1,4-Dioxane	9.07	88	17054	391.449	ug/l #	78
51) 4-Methyl-2-Pentanone	10.30	43	542822	105.923	ug/l	100
52) Toluene	10.50	92	404619	21.391	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	261212	21.366	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	279316	20.262	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	132437	20.728	ug/l	97
56) Ethyl methacrylate	11.04	69	144854	20.887	ug/l	93
57) 1,3-Dichloropropane	11.40	76	206530	21.384	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	348805	95.270	ug/l	99
59) 2-Hexanone	11.53	43	388423	104.167	ug/l	99
60) Dibromochloromethane	11.68	129	236226	20.318	ug/l	95
61) 1,2-Dibromoethane	11.80	107	164097	21.215	ug/l	99
64) Tetrachloroethene	11.24	164	204420	20.647	ug/l	90
65) Chlorobenzene	12.40	112	502008	20.884	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.50	131	202762	19.167	ug/l	97
67) Ethyl Benzene	12.51	91	834950	19.977	ug/l	96
68) m/p-Xylenes	12.66	106	596439	40.618	ug/l	97
69) o-Xylene	13.05	106	278834	19.729	ug/l	93
70) Styrene	13.07	104	499173	19.856	ug/l	98
71) Bromoform	13.23	173	148338	20.450	ug/l #	87
73) Isopropylbenzene	13.40	105	852484	21.448	ug/l	99
74) N-amyl acetate	13.26	43	216016	21.650	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	157257	23.837	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	168907	23.552	ug/l	99
77) Bromobenzene	13.67	156	240621	22.151	ug/l	92
78) n-propylbenzene	13.76	91	953771	20.509	ug/l	94
79) 2-Chlorotoluene	13.83	91	578562	21.577	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	742101	21.369	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	40327	20.921	ug/l	95
82) 4-Chlorotoluene	13.94	91	693075	21.495	ug/l	96
83) tert-Butylbenzene	14.19	119	835128	22.837	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	709655	22.085	ug/l	92
85) sec-Butylbenzene	14.37	105	818581	21.078	ug/l	99
86) p-Isopropyltoluene	14.48	119	752875	20.275	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	440811	22.435	ug/l	93
88) 1,4-Dichlorobenzene	14.53	146	411020	21.803	ug/l	95
89) n-Butylbenzene	14.79	91	754802	22.272	ug/l	94
90) Hexachloroethane	15.00	117	215343	23.072	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	385414	23.119	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	28080	22.605	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	254719	20.765	ug/l	99
94) Hexachlorobutadiene	16.03	225	208084	22.258	ug/l	96
95) Naphthalene	16.12	128	377503	20.307	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	215003	21.701	ug/l	93

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

