

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082019\
 Data File : VD063677.D
 Acq On : 20 Aug 2019 11:49
 Operator : JC/SY
 Sample : VD0820SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Quant Time: Aug 20 12:12:58 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	7.03	168	1052207	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	1382390	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1150561	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	641551	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	533166	47.40	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	94.80%	
35) Dibromofluoromethane	6.90	113	626998	53.85	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	107.70%	
50) Toluene-d8	10.40	98	1460013	57.04	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	114.08%	
62) 4-Bromofluorobenzene	13.55	95	581905	50.16	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	254160	19.966	ug/l	98
3) Chloromethane	1.74	50	209968	21.111	ug/l	92
4) Vinyl Chloride	1.83	62	206656	20.930	ug/l	95
5) Bromomethane	2.14	94	86278	18.519	ug/l	93
6) Chloroethane	2.25	64	93078	20.615	ug/l #	87
7) Trichlorofluoromethane	2.51	101	401790	20.746	ug/l	92
8) Diethyl Ether	2.86	74	56576	20.691	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.12	101	223376	19.533	ug/l #	86
10) Methyl Iodide	3.28	142	300752	18.587	ug/l #	91
11) Tert butyl alcohol	4.07	59	53861	110.006	ug/l	98
12) 1,1-Dichloroethene	3.10	96	166976	19.639	ug/l	87
13) Acrolein	3.01	56	32622	67.689	ug/l	95
14) Allyl chloride	3.60	41	276637	21.644	ug/l	98
15) Acrylonitrile	4.18	53	128871	99.370	ug/l	93
16) Acetone	3.20	43	219944	96.199	ug/l	95
17) Carbon Disulfide	3.35	76	525664	19.590	ug/l	98
18) Methyl Acetate	3.63	43	85915	19.839	ug/l #	91
19) Methyl tert-butyl Ether	4.23	73	365858	21.517	ug/l	98
20) Methylene Chloride	3.79	84	189437	19.161	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	202916	22.680	ug/l	92
22) Diisopropyl ether	5.10	45	537219	20.369	ug/l	99
23) Vinyl Acetate	5.03	43	1562585	101.910	ug/l	100
24) 1,1-Dichloroethane	4.95	63	357643	21.863	ug/l	98
25) 2-Butanone	6.06	43	217850	96.476	ug/l	98
26) 2,2-Dichloropropane	6.00	77	364427	22.366	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	204318	20.872	ug/l	86
28) Bromochloromethane	6.42	49	128422	19.370	ug/l	98
29) Tetrahydrofuran	6.44	42	101794	96.743	ug/l	96
30) Chloroform	6.65	83	427617	21.030	ug/l	93
31) Cyclohexane	6.93	56	215631	21.233	ug/l	94
32) 1,1,1-Trichloroethane	6.85	97	420473	21.618	ug/l	97
36) 1,1-Dichloropropene	7.13	75	291376	23.843	ug/l	96
37) Ethyl Acetate	6.16	43	112762	22.020	ug/l #	92
38) Carbon Tetrachloride	7.09	117	404755	21.976	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	231922	22.318	ug/l	96
40) Benzene	7.43	78	563267	20.944	ug/l	100
41) Methacrylonitrile	6.44	41	139123	21.577	ug/l #	86
42) 1,2-Dichloroethane	7.56	62	300807	22.245	ug/l	100
43) Isopropyl Acetate	9.23	43	150105	21.886	ug/l #	92
44) Trichloroethene	8.53	130	227361	22.119	ug/l	99
45) 1,2-Dichloropropane	8.93	63	147252	23.512	ug/l	98
46) Dibromomethane	9.05	93	110025	20.572	ug/l #	85
47) Bromodichloromethane	9.36	83	311512	22.707	ug/l	94
48) Methyl methacrylate	9.11	41	97390	20.939	ug/l	88
49) 1,4-Dioxane	9.07	88	18356	455.749	ug/l #	87
51) 4-Methyl-2-Pentanone	10.29	43	518442	110.471	ug/l	90
52) Toluene	10.50	92	403843	23.314	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	259636	23.190	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	271827	21.532	ug/l #	92
55) 1,1,2-Trichloroethane	11.19	97	130195	22.251	ug/l	96
56) Ethyl methacrylate	11.04	69	143173	22.544	ug/l	97
57) 1,3-Dichloropropane	11.40	76	198668	22.462	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	350943	104.670	ug/l	100
59) 2-Hexanone	11.52	43	378659	110.888	ug/l	98
60) Dibromochloromethane	11.68	129	240804	22.617	ug/l	93
61) 1,2-Dibromoethane	11.80	107	161541	22.806	ug/l	92
64) Tetrachloroethene	11.24	164	202693	22.821	ug/l	95
65) Chlorobenzene	12.40	112	485215	22.501	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.50	131	230358	24.273	ug/l	99
67) Ethyl Benzene	12.51	91	896195	23.902	ug/l	99
68) m/p-Xylenes	12.66	106	627530	47.637	ug/l	95
69) o-Xylene	13.05	106	285365	22.507	ug/l	93
70) Styrene	13.07	104	487586	21.620	ug/l	99
71) Bromoform	13.22	173	146962	22.584	ug/l #	92
73) Isopropylbenzene	13.40	105	924428	22.654	ug/l	99
74) N-amyl acetate	13.26	43	201595	19.680	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	142492	21.038	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	152366	20.694	ug/l	89
77) Bromobenzene	13.67	156	247602	22.202	ug/l	90
78) n-propylbenzene	13.76	91	987078	20.674	ug/l	93
79) 2-Chlorotoluene	13.83	91	602761	21.896	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	740980	20.783	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	39584	20.003	ug/l	99
82) 4-Chlorotoluene	13.94	91	699911	21.143	ug/l	96
83) tert-Butylbenzene	14.19	119	867496	23.106	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	755346	22.897	ug/l	94
85) sec-Butylbenzene	14.37	105	912958	22.897	ug/l	99
86) p-Isopropyltoluene	14.48	119	825215	21.646	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	437142	21.670	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	446713	23.081	ug/l	98
89) n-Butylbenzene	14.80	91	730106	20.983	ug/l	94
90) Hexachloroethane	15.01	117	202306	21.113	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	352398	20.590	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	25619	20.088	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	297646	23.634	ug/l	93
94) Hexachlorobutadiene	16.04	225	222289	23.160	ug/l	97
95) Naphthalene	16.12	128	395004	20.696	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	229694	22.581	ug/l	98

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

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