

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082019\
 Data File : VD063700.D
 Acq On : 20 Aug 2019 23:42
 Operator : JC/SY
 Sample : VD0820SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS02

Quant Time: Aug 21 05:24:46 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	7.02	168	784507	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	8.20	114	1048158	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.36	117	987425	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	570475	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	478826	57.10	ug/l	-0.04
Spiked Amount			Recovery	=	114.20%	
35) Dibromofluoromethane	6.90	113	502169	56.89	ug/l	-0.04
Spiked Amount			Recovery	=	113.78%	
50) Toluene-d8	10.39	98	1107890	57.08	ug/l	-0.03
Spiked Amount			Recovery	=	114.16%	
62) 4-Bromofluorobenzene	13.55	95	510078	57.99	ug/l	0.00
Spiked Amount			Recovery	=	115.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.55	85	200121	21.085	ug/l	96
3) Chloromethane	1.72	50	167029	22.524	ug/l	92
4) Vinyl Chloride	1.83	62	159791	21.706	ug/l	94
5) Bromomethane	2.12	94	79514	22.891	ug/l	97
6) Chloroethane	2.24	64	76327	22.673	ug/l	95
7) Trichlorofluoromethane	2.51	101	324509	22.474	ug/l	98
8) Diethyl Ether	2.85	74	47436	23.268	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.12	101	159965	18.762	ug/l	98
10) Methyl Iodide	3.27	142	224066	18.573	ug/l	99
11) Tert butyl alcohol	4.06	59	40110	109.875	ug/l	100
12) 1,1-Dichloroethene	3.10	96	120029	18.935	ug/l	95
13) Acrolein	3.02	56	22327	62.136	ug/l	94
14) Allyl chloride	3.59	41	206708	21.691	ug/l	98
15) Acrylonitrile	4.17	53	114714	118.637	ug/l	95
16) Acetone	3.21	43	158976	93.259	ug/l	100
17) Carbon Disulfide	3.34	76	397113	19.849	ug/l	96
18) Methyl Acetate	3.62	43	77686	24.060	ug/l #	89
19) Methyl tert-butyl Ether	4.21	73	305566	24.103	ug/l	98
20) Methylene Chloride	3.79	84	167043	22.662	ug/l	98
21) trans-1,2-Dichloroethene	4.19	96	158686	23.788	ug/l	96
22) Diisopropyl ether	5.10	45	444074	22.582	ug/l	99
23) Vinyl Acetate	5.03	43	1325722	115.965	ug/l	100
24) 1,1-Dichloroethane	4.95	63	268131	21.984	ug/l	99
25) 2-Butanone	6.05	43	179498	106.617	ug/l	92
26) 2,2-Dichloropropane	5.99	77	252122	20.754	ug/l	95
27) cis-1,2-Dichloroethene	6.01	96	169195	23.182	ug/l	95
28) Bromochloromethane	6.42	49	102289	20.693	ug/l	93
29) Tetrahydrofuran	6.43	42	93954	119.762	ug/l	95
30) Chloroform	6.64	83	362142	23.888	ug/l	91
31) Cyclohexane	6.93	56	157590	20.813	ug/l	97
32) 1,1,1-Trichloroethane	6.85	97	342700	23.631	ug/l	98
36) 1,1-Dichloropropene	7.12	75	228155	24.623	ug/l	96
37) Ethyl Acetate	6.16	43	95627	24.629	ug/l #	93
38) Carbon Tetrachloride	7.08	117	323575	23.171	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	181276	23.007	ug/l	95
40) Benzene	7.44	78	488393	23.951	ug/l	92
41) Methacrylonitrile	6.42	41	122265	25.009	ug/l #	95
42) 1,2-Dichloroethane	7.56	62	260019	25.360	ug/l	99
43) Isopropyl Acetate	9.23	43	124444	23.931	ug/l #	97
44) Trichloroethene	8.52	130	173744	22.292	ug/l	97
45) 1,2-Dichloropropane	8.93	63	115767	24.379	ug/l	96
46) Dibromomethane	9.04	93	105159	25.932	ug/l	97
47) Bromodichloromethane	9.36	83	250306	24.063	ug/l	93
48) Methyl methacrylate	9.10	41	87756	24.884	ug/l	96
49) 1,4-Dioxane	9.05	88	15338	499.726	ug/l #	87
51) 4-Methyl-2-Pentanone	10.28	43	453663	127.492	ug/l	90
52) Toluene	10.49	92	322977	24.591	ug/l	96
53) t-1,3-Dichloropropene	10.89	75	220573	25.983	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	234791	24.529	ug/l	93
55) 1,1,2-Trichloroethane	11.18	97	115709	26.081	ug/l	91
56) Ethyl methacrylate	11.03	69	113663	23.604	ug/l	90
57) 1,3-Dichloropropane	11.40	76	157627	23.505	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	289210	113.763	ug/l	100
59) 2-Hexanone	11.52	43	324318	125.260	ug/l	98
60) Dibromochloromethane	11.67	129	210499	26.075	ug/l	93
61) 1,2-Dibromoethane	11.79	107	131040	24.399	ug/l	97
64) Tetrachloroethene	11.25	164	167903	22.027	ug/l	97
65) Chlorobenzene	12.39	112	401063	21.671	ug/l	92
66) 1,1,1,2-Tetrachloroethane	12.50	131	186914	22.949	ug/l	84
67) Ethyl Benzene	12.52	91	721794	22.431	ug/l	98
68) m/p-Xylenes	12.66	106	507120	44.857	ug/l	86
69) o-Xylene	13.04	106	234592	21.560	ug/l	99
70) Styrene	13.06	104	405529	20.952	ug/l	95
71) Bromoform	13.23	173	118575	21.232	ug/l	95
73) Isopropylbenzene	13.39	105	709395	19.550	ug/l	94
74) N-amyl acetate	13.26	43	185965	20.416	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	134970	22.410	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	145636	22.244	ug/l	99
77) Bromobenzene	13.66	156	212500	21.428	ug/l	90
78) n-propylbenzene	13.77	91	878038	20.682	ug/l	95
79) 2-Chlorotoluene	13.84	91	500992	20.466	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	655445	20.674	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	30817	17.513	ug/l	97
82) 4-Chlorotoluene	13.94	91	630265	21.412	ug/l	92
83) tert-Butylbenzene	14.18	119	670528	20.085	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	594795	20.276	ug/l	95
85) sec-Butylbenzene	14.36	105	702195	19.806	ug/l	98
86) p-Isopropyltoluene	14.49	119	716736	21.143	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	368564	20.547	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	363575	21.126	ug/l	98
89) n-Butylbenzene	14.79	91	659778	21.325	ug/l	95
90) Hexachloroethane	15.00	117	173497	20.362	ug/l	92
91) 1,2-Dichlorobenzene	14.80	146	337905	22.203	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	20580	18.148	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	227490	20.314	µg/l	99
94) Hexachlorobutadiene	16.03	225	167127	19.582	µg/l	96
95) Naphthalene	16.12	128	332468	19.590	µg/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	203592	22.509	µg/l	91

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

