

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081219\
 Data File : VD063480.D
 Acq On : 12 Aug 2019 11:55
 Operator : JC/SY
 Sample : VD0812SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

Quant Time: Aug 12 12:18:48 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	1231099	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1625668	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1353145	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	718791	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	697918	53.04	ug/l	-0.03
Spiked Amount			Recovery	=	106.08%	
35) Dibromofluoromethane	6.92	113	730482	53.35	ug/l	-0.02
Spiked Amount			Recovery	=	106.70%	
50) Toluene-d8	10.40	98	1689023	56.11	ug/l	-0.02
Spiked Amount			Recovery	=	112.22%	
62) 4-Bromofluorobenzene	13.55	95	706135	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	295262	19.824	ug/l	100
3) Chloromethane	1.75	50	244169	20.982	ug/l	95
4) Vinyl Chloride	1.84	62	237477	20.557	ug/l	99
5) Bromomethane	2.14	94	90075	16.525	ug/l	98
6) Chloroethane	2.25	64	93951	17.785	ug/l	96
7) Trichlorofluoromethane	2.52	101	465264	20.533	ug/l	97
8) Diethyl Ether	2.86	74	64316	20.103	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.14	101	252393	18.864	ug/l	95
10) Methyl Iodide	3.29	142	341268	18.027	ug/l	92
11) Tert butyl alcohol	4.08	59	62785	109.599	ug/l #	93
12) 1,1-Dichloroethene	3.11	96	203349	20.442	ug/l	92
13) Acrolein	3.02	56	51173	90.753	ug/l #	82
14) Allyl chloride	3.60	41	287661	19.236	ug/l	99
15) Acrylonitrile	4.18	53	159616	105.193	ug/l	94
16) Acetone	3.22	43	266050	99.455	ug/l	96
17) Carbon Disulfide	3.36	76	642530	20.466	ug/l	97
18) Methyl Acetate	3.63	43	97551	19.252	ug/l #	89
19) Methyl tert-butyl Ether	4.23	73	419328	21.078	ug/l	93
20) Methylene Chloride	3.80	84	235665	20.373	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	213255	20.372	ug/l	95
22) Diisopropyl ether	5.11	45	599288	19.420	ug/l	94
23) Vinyl Acetate	5.05	43	1845794	102.887	ug/l	99
24) 1,1-Dichloroethane	4.97	63	367356	19.194	ug/l	98
25) 2-Butanone	6.07	43	255599	96.745	ug/l	98
26) 2,2-Dichloropropane	6.01	77	376963	19.774	ug/l	92
27) cis-1,2-Dichloroethene	6.03	96	231138	20.181	ug/l	95
28) Bromochloromethane	6.43	49	154046	19.859	ug/l	98
29) Tetrahydrofuran	6.45	42	129329	105.051	ug/l	99
30) Chloroform	6.65	83	468203	19.681	ug/l	88
31) Cyclohexane	6.95	56	238723	20.091	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	450620	19.801	ug/l	98
36) 1,1-Dichloropropene	7.14	75	310403	21.599	ug/l	93
37) Ethyl Acetate	6.17	43	118223	19.632	ug/l #	93
38) Carbon Tetrachloride	7.11	117	445866	20.586	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	245386	20.080	ug/l	94
40) Benzene	7.44	78	682053	21.566	ug/l	98
41) Methacrylonitrile	6.45	41	157478	20.769	ug/l #	91
42) 1,2-Dichloroethane	7.57	62	333117	20.948	ug/l	98
43) Isopropyl Acetate	9.23	43	171333	21.243	ug/l #	99
44) Trichloroethene	8.53	130	256448	21.215	ug/l	98
45) 1,2-Dichloropropane	8.93	63	160636	21.811	ug/l	94
46) Dibromomethane	9.05	93	134254	21.346	ug/l	90
47) Bromodichloromethane	9.37	83	345436	21.411	ug/l	97
48) Methyl methacrylate	9.11	41	124365	22.737	ug/l	94
49) 1,4-Dioxane	9.07	88	17837	380.887	ug/l #	86
51) 4-Methyl-2-Pentanone	10.30	43	585440	106.079	ug/l	100
52) Toluene	10.50	92	422885	20.760	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	301066	22.866	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	310984	20.947	ug/l	92
55) 1,1,2-Trichloroethane	11.19	97	149007	21.655	ug/l	93
56) Ethyl methacrylate	11.03	69	161093	21.570	ug/l	92
57) 1,3-Dichloropropane	11.40	76	219553	21.109	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.85	63	411354	104.328	ug/l	96
59) 2-Hexanone	11.53	43	440951	109.806	ug/l	97
60) Dibromochloromethane	11.68	129	266306	21.269	ug/l	95
61) 1,2-Dibromoethane	11.80	107	171058	20.535	ug/l	99
64) Tetrachloroethene	11.25	164	228922	21.915	ug/l	92
65) Chlorobenzene	12.39	112	533452	21.034	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	240804	21.575	ug/l	94
67) Ethyl Benzene	12.52	91	925808	20.995	ug/l	100
68) m/p-Xylenes	12.67	106	697095	44.995	ug/l	97
69) o-Xylene	13.04	106	332775	22.317	ug/l	98
70) Styrene	13.07	104	546645	20.610	ug/l	97
71) Bromoform	13.23	173	164557	21.502	ug/l	98
73) Isopropylbenzene	13.40	105	907468	19.849	ug/l	95
74) N-amyl acetate	13.26	43	231699	20.188	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	154639	20.378	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	174779	21.187	ug/l	98
77) Bromobenzene	13.66	156	276763	22.150	ug/l	95
78) n-propylbenzene	13.77	91	1081172	20.211	ug/l	97
79) 2-Chlorotoluene	13.84	91	629844	20.421	ug/l	91
80) 1,3,5-Trimethylbenzene	13.93	105	856941	21.452	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	41289	18.622	ug/l	97
82) 4-Chlorotoluene	13.95	91	820353	22.119	ug/l	89
83) tert-Butylbenzene	14.18	119	924769	21.984	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	829098	22.432	ug/l	91
85) sec-Butylbenzene	14.36	105	906809	20.299	ug/l	98
86) p-Isopropyltoluene	14.49	119	874582	20.476	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	433644	19.187	ug/l	93
88) 1,4-Dichlorobenzene	14.54	146	457446	21.096	ug/l	97
89) n-Butylbenzene	14.79	91	784157	20.115	ug/l	95
90) Hexachloroethane	15.00	117	234647	21.856	ug/l	79
91) 1,2-Dichlorobenzene	14.80	146	410853	21.426	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	25715	17.997	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	308807	21.886	µg/l	96
94) Hexachlorobutadiene	16.03	225	217381	20.215	µg/l	95
95) Naphthalene	16.12	128	447399	20.922	µg/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	249625	21.904	µg/l	98

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

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