

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063102.D
 Acq On : 16 Jul 2019 13:16
 Operator : VA/AP
 Sample : VD0716SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

Quant Time: Jul 17 07:34:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	724518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1000144	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	823643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	452084	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	456070	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
35) Dibromofluoromethane	6.92	113	484723	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
50) Toluene-d8	10.39	98	998997	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
62) 4-Bromofluorobenzene	13.55	95	462941	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	185376	22.351	ug/l	93
3) Chloromethane	1.74	50	151301	21.110	ug/l	90
4) Vinyl Chloride	1.84	62	151783	19.629	ug/l	98
5) Bromomethane	2.14	94	60551	18.472	ug/l	91
6) Chloroethane	2.25	64	67950	18.917	ug/l	95
7) Trichlorofluoromethane	2.52	101	309630	19.780	ug/l	98
8) Diethyl Ether	2.86	74	45272	20.560	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.13	101	168943	18.717	ug/l	96
10) Methyl Iodide	3.28	142	223263	20.148	ug/l	95
11) Tert butyl alcohol	4.07	59	50118	96.222	ug/l #	93
12) 1,1-Dichloroethene	3.11	96	130040	20.288	ug/l	96
13) Acrolein	3.02	56	20286	129.043	ug/l	95
14) Allyl chloride	3.60	41	198485	19.704	ug/l	96
15) Acrylonitrile	4.18	53	123958	107.662	ug/l	98
16) Acetone	3.22	43	194433	89.195	ug/l	95
17) Carbon Disulfide	3.35	76	345863	18.852	ug/l	98
18) Methyl Acetate	3.64	43	97918	31.761	ug/l	98
19) Methyl tert-butyl Ether	4.22	73	327043	20.213	ug/l	94
20) Methylene Chloride	3.80	84	155462	18.877	ug/l	95
21) trans-1,2-Dichloroethene	4.20	96	148302	20.843	ug/l	89
22) Diisopropyl ether	5.11	45	455869	20.814	ug/l #	94
23) Vinyl Acetate	5.04	43	1262040	98.768	ug/l	99
24) 1,1-Dichloroethane	4.97	63	282518	20.941	ug/l	97
25) 2-Butanone	6.06	43	201712	96.903	ug/l	97
26) 2,2-Dichloropropane	6.00	77	294654	19.734	ug/l	94
27) cis-1,2-Dichloroethene	6.01	96	164958	20.380	ug/l	96
28) Bromochloromethane	6.42	49	96206	19.656	ug/l #	92
29) Tetrahydrofuran	6.44	42	90696	96.117	ug/l	95
30) Chloroform	6.65	83	349349	21.026	ug/l	99
31) Cyclohexane	6.94	56	166392	19.366	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	326101	19.903	ug/l	97
36) 1,1-Dichloropropene	7.12	75	213771	19.005	ug/l	96
37) Ethyl Acetate	6.17	43	115153	23.920	ug/l #	88
38) Carbon Tetrachloride	7.09	117	303445	17.753	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	186327	19.160	ug/l	93
40) Benzene	7.44	78	487325	20.685	ug/l	97
41) Methacrylonitrile	6.43	41	131767	20.189	ug/l #	87
42) 1,2-Dichloroethane	7.56	62	250616	19.967	ug/l	97
43) Isopropyl Acetate	9.23	43	129637	18.787	ug/l #	99
44) Trichloroethene	8.52	130	182908	20.089	ug/l	97
45) 1,2-Dichloropropane	8.93	63	123533	21.031	ug/l	90
46) Dibromomethane	9.05	93	101227	20.055	ug/l	95
47) Bromodichloromethane	9.36	83	263983	20.042	ug/l	100
48) Methyl methacrylate	9.11	41	93059	20.537	ug/l	97
49) 1,4-Dioxane	9.06	88	16340	418.124	ug/l	98
51) 4-Methyl-2-Pentanone	10.29	43	484940	105.961	ug/l	99
52) Toluene	10.50	92	317884	20.206	ug/l	90
53) t-1,3-Dichloropropene	10.90	75	234624	20.792	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	246416	21.119	ug/l	92
55) 1,1,2-Trichloroethane	11.18	97	111910	20.584	ug/l	96
56) Ethyl methacrylate	11.03	69	112385	18.501	ug/l	96
57) 1,3-Dichloropropane	11.40	76	163815	19.802	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.84	63	310550	91.817	ug/l	95
59) 2-Hexanone	11.52	43	337972	95.756	ug/l	93
60) Dibromochloromethane	11.67	129	204393	19.613	ug/l	96
61) 1,2-Dibromoethane	11.79	107	132768	20.402	ug/l	91
64) Tetrachloroethene	11.25	164	171274	21.430	ug/l	94
65) Chlorobenzene	12.39	112	396294	20.468	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	193210	21.524	ug/l	97
67) Ethyl Benzene	12.52	91	730022	21.700	ug/l	97
68) m/p-Xylenes	12.66	106	486446	40.372	ug/l	92
69) o-Xylene	13.04	106	209444	18.332	ug/l	89
70) Styrene	13.06	104	385200	19.261	ug/l	99
71) Bromoform	13.23	173	129142	20.549	ug/l	99
73) Isopropylbenzene	13.39	105	671016	19.220	ug/l	96
74) N-amyl acetate	13.26	43	177624	18.242	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	123420	19.429	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	142665	20.514	ug/l	97
77) Bromobenzene	13.66	156	195730	19.769	ug/l	91
78) n-propylbenzene	13.77	91	789124	19.641	ug/l	98
79) 2-Chlorotoluene	13.83	91	481067	19.803	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	619011	20.343	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.46	75	38659	21.110	ug/l	93
82) 4-Chlorotoluene	13.94	91	597727	21.071	ug/l	89
83) tert-Butylbenzene	14.18	119	663697	19.290	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	607695	20.032	ug/l	99
85) sec-Butylbenzene	14.36	105	715903	19.584	ug/l	97
86) p-Isopropyltoluene	14.49	119	654007	19.178	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	351570	19.884	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	372798	21.993	ug/l	95
89) n-Butylbenzene	14.79	91	591268	18.811	ug/l	99
90) Hexachloroethane	15.00	117	177974	19.523	ug/l	76
91) 1,2-Dichlorobenzene	14.80	146	311999	19.816	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	21698	17.821	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	243743	20.606	ug/l	97
94) Hexachlorobutadiene	16.03	225	148090	16.985	ug/l	96
95) Naphthalene	16.12	128	344056	19.884	ug/l	95
96) 1,2,3-Trichlorobenzene	16.26	180	182368	19.165	ug/l	97

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

