

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061202.D
 Acq On : 20 Mar 2019 12:31
 Operator : VA/AP
 Sample : VD0320SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS01

Quant Time: Mar 22 01:58:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	774088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1293504	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1047178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	441788	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	305829	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
35) Dibromofluoromethane	6.92	113	468171	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
50) Toluene-d8	10.39	98	1094282	45.39	ug/l	0.00
Spiked Amount			Recovery	=	90.78%	
62) 4-Bromofluorobenzene	13.54	95	412420	44.09	ug/l	0.00
Spiked Amount			Recovery	=	88.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	150369	19.610	ug/l	98
3) Chloromethane	1.76	50	117112	18.334	ug/l	95
4) Vinyl Chloride	1.86	62	107708	18.249	ug/l	96
5) Bromomethane	2.15	94	20087	16.545	ug/l #	83
6) Chloroethane	2.26	64	29582	16.744	ug/l #	81
7) Trichlorofluoromethane	2.54	101	159033	18.756	ug/l	99
8) Diethyl Ether	2.87	74	51390	18.372	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.15	101	185854	19.606	ug/l	98
10) Methyl Iodide	3.31	142	206780	17.844	ug/l	98
11) Tert butyl alcohol	4.06	59	37923	92.450	ug/l	98
12) 1,1-Dichloroethene	3.13	96	145604	18.739	ug/l	94
13) Acrolein	3.04	56	39689	66.871	ug/l	95
14) Allyl chloride	3.62	41	204832	16.476	ug/l	96
15) Acrylonitrile	4.18	53	125719	86.716	ug/l	91
16) Acetone	3.22	43	175117	95.041	ug/l	98
17) Carbon Disulfide	3.38	76	461446	17.605	ug/l	98
18) Methyl Acetate	3.64	43	55828	15.396	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	256247	18.817	ug/l	93
20) Methylene Chloride	3.82	84	173128	17.584	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	159232	18.933	ug/l	96
22) Diisopropyl ether	5.11	45	440284	17.060	ug/l	92
23) Vinyl Acetate	5.05	43	1134176	85.607	ug/l	99
24) 1,1-Dichloroethane	4.98	63	249849	17.669	ug/l	98
25) 2-Butanone	6.06	43	186943	89.413	ug/l	98
26) 2,2-Dichloropropane	6.01	77	211390	19.150	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	171469	19.216	ug/l	91
28) Bromochloromethane	6.43	49	102059	17.049	ug/l	97
29) Tetrahydrofuran	6.45	42	90005	79.279	ug/l	94
30) Chloroform	6.65	83	274597	18.737	ug/l	97
31) Cyclohexane	6.94	56	196688	17.251	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	241195	19.036	ug/l	99
36) 1,1-Dichloropropene	7.14	75	209501	18.790	ug/l	99
37) Ethyl Acetate	6.17	43	76562	14.633	ug/l	99
38) Carbon Tetrachloride	7.11	117	243290	19.809	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	220076	19.035	ug/l	99
40) Benzene	7.45	78	529544	19.007	ug/l	99
41) Methacrylonitrile	6.44	41	102354	17.007	ug/l	99
42) 1,2-Dichloroethane	7.57	62	152871	18.908	ug/l	98
43) Isopropyl Acetate	9.23	43	111431	15.377	ug/l #	92
44) Trichloroethene	8.53	130	196111	20.403	ug/l	95
45) 1,2-Dichloropropane	8.93	63	129107	17.639	ug/l	99
46) Dibromomethane	9.05	93	81107	17.469	ug/l	97
47) Bromodichloromethane	9.36	83	195947	18.702	ug/l	95
48) Methyl methacrylate	9.10	41	75532	18.512	ug/l	97
49) 1,4-Dioxane	9.07	88	15688	380.238	ug/l	89
51) 4-Methyl-2-Pentanone	10.29	43	384022	86.499	ug/l	96
52) Toluene	10.50	92	297269	17.159	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	169882	17.732	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	212870	18.493	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	105493	18.285	ug/l	97
56) Ethyl methacrylate	11.03	69	110030	18.220	ug/l	96
57) 1,3-Dichloropropane	11.40	76	152748	17.716	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	290310	90.819	ug/l	98
59) 2-Hexanone	11.53	43	289566	89.165	ug/l	97
60) Dibromochloromethane	11.67	129	155855	18.355	ug/l	98
61) 1,2-Dibromoethane	11.79	107	118335	17.631	ug/l	98
64) Tetrachloroethene	11.25	164	135703	19.197	ug/l	98
65) Chlorobenzene	12.39	112	398901	19.431	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	142359	19.454	ug/l	99
67) Ethyl Benzene	12.51	91	571346	18.694	ug/l	97
68) m/p-Xylenes	12.66	106	476649	39.735	ug/l	96
69) o-Xylene	13.04	106	209382	17.757	ug/l	98
70) Styrene	13.06	104	356217	18.501	ug/l	99
71) Bromoform	13.23	173	83895	17.772	ug/l	95
73) Isopropylbenzene	13.40	105	635217	19.951	ug/l	100
74) N-amyl acetate	13.26	43	156629	17.471	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	109197	17.579	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	119691	18.831	ug/l	98
77) Bromobenzene	13.66	156	159168	19.584	ug/l	96
78) n-propylbenzene	13.77	91	688518	18.472	ug/l	95
79) 2-Chlorotoluene	13.83	91	432901	21.096	ug/l	100
80) 1,3,5-Trimethylbenzene	14.23	105	462602	19.139	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	35041	18.700	ug/l	97
82) 4-Chlorotoluene	13.94	91	463669	19.113	ug/l	97
83) tert-Butylbenzene	14.18	119	558896	21.129	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	462602	19.139	ug/l	95
85) sec-Butylbenzene	14.36	105	671191	20.784	ug/l	98
86) p-Isopropyltoluene	14.48	119	559238	21.186	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	303662	20.924	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	270480	18.966	ug/l	99
89) n-Butylbenzene	14.79	91	501465	19.783	ug/l	96
90) Hexachloroethane	15.00	117	148246	19.889	ug/l	85
91) 1,2-Dichlorobenzene	14.80	146	255686	21.133	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13626	18.203	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	105495	18.796	ug/l	98
94) Hexachlorobutadiene	16.04	225	84657	19.941	ug/l	94
95) Naphthalene	16.11	128	160041	18.764	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	44239	15.959	ug/l	99

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

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