

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061425.D
 Acq On : 29 Mar 2019 13:09
 Operator : VA/AP
 Sample : VD0329SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBS01

Quant Time: Mar 29 22:36:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	722671	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	1233422	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	946293	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	435420	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	302404	48.99	ug/l	0.03
Spiked Amount			Recovery	=	97.98%	
35) Dibromofluoromethane	6.94	113	495841	52.61	ug/l	0.04
Spiked Amount			Recovery	=	105.22%	
50) Toluene-d8	10.42	98	1116360	49.38	ug/l	0.04
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	13.56	95	430133	49.62	ug/l	0.02
Spiked Amount			Recovery	=	99.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	163029	21.124	ug/l	96
3) Chloromethane	1.77	50	132530	21.056	ug/l	97
4) Vinyl Chloride	1.87	62	118012	20.420	ug/l	92
5) Bromomethane	2.16	94	20140	17.574	ug/l #	97
6) Chloroethane	2.27	64	31438	18.550	ug/l	97
7) Trichlorofluoromethane	2.54	101	170207	20.253	ug/l	97
8) Diethyl Ether	2.88	74	53596	19.808	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.16	101	181983	20.142	ug/l	97
10) Methyl Iodide	3.33	142	236046	19.460	ug/l	95
11) Tert butyl alcohol	4.08	59	37434	97.369	ug/l	98
12) 1,1-Dichloroethene	3.14	96	158270	20.404	ug/l	93
13) Acrolein	3.05	56	29457	85.484	ug/l	97
14) Allyl chloride	3.64	41	225579	20.850	ug/l	98
15) Acrylonitrile	4.21	53	140203	105.070	ug/l	93
16) Acetone	3.24	43	146563	92.355	ug/l	99
17) Carbon Disulfide	3.40	76	504471	20.017	ug/l	100
18) Methyl Acetate	3.66	43	69645	20.873	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	267756	19.941	ug/l	100
20) Methylene Chloride	3.84	84	209021	22.454	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	176541	21.080	ug/l	98
22) Diisopropyl ether	5.13	45	490318	21.416	ug/l	93
23) Vinyl Acetate	5.07	43	1350507	108.594	ug/l	98
24) 1,1-Dichloroethane	5.00	63	275234	20.456	ug/l	99
25) 2-Butanone	6.08	43	194438	97.401	ug/l	98
26) 2,2-Dichloropropane	6.04	77	233545	21.835	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	196590	21.425	ug/l	98
28) Bromochloromethane	6.46	49	106480	19.605	ug/l #	92
29) Tetrahydrofuran	6.48	42	107293	110.889	ug/l	98
30) Chloroform	6.68	83	296065	21.295	ug/l	97
31) Cyclohexane	6.97	56	236653	22.257	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	257625	21.004	ug/l	96
36) 1,1-Dichloropropene	7.17	75	224170	20.824	ug/l	99
37) Ethyl Acetate	6.19	43	91089	19.785	ug/l #	96
38) Carbon Tetrachloride	7.13	117	250345	20.238	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	239477	21.360	ug/l	99
40) Benzene	7.47	78	545555	20.193	ug/l	97
41) Methacrylonitrile	6.46	41	118367	21.989	ug/l #	95
42) 1,2-Dichloroethane	7.59	62	167313	20.703	ug/l	98
43) Isopropyl Acetate	9.25	43	145705	21.751	ug/l	95
44) Trichloroethene	8.55	130	204438	20.333	ug/l	97
45) 1,2-Dichloropropane	8.95	63	140556	20.517	ug/l	95
46) Dibromomethane	9.08	93	93963	20.378	ug/l	95
47) Bromodichloromethane	9.39	83	224002	21.644	ug/l	98
48) Methyl methacrylate	9.13	41	76150	20.598	ug/l	99
49) 1,4-Dioxane	9.09	88	18283	448.372	ug/l #	81
51) 4-Methyl-2-Pentanone	10.31	43	415883	102.047	ug/l	98
52) Toluene	10.51	92	340389	20.652	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	193218	20.549	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	244969	21.396	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	120479	20.901	ug/l	97
56) Ethyl methacrylate	11.05	69	121435	19.610	ug/l	98
57) 1,3-Dichloropropane	11.42	76	172251	20.331	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	347447	115.214	ug/l	98
59) 2-Hexanone	11.54	43	299404	101.398	ug/l	99
60) Dibromochloromethane	11.69	129	180387	20.299	ug/l	99
61) 1,2-Dibromoethane	11.81	107	140529	21.054	ug/l	98
64) Tetrachloroethene	11.27	164	152435	20.525	ug/l	96
65) Chlorobenzene	12.40	112	416113	21.517	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	168641	22.522	ug/l	99
67) Ethyl Benzene	12.53	91	676543	22.919	ug/l	97
68) m/p-Xylenes	12.68	106	498328	44.566	ug/l	98
69) o-Xylene	13.05	106	252156	23.238	ug/l	98
70) Styrene	13.08	104	418740	22.137	ug/l	99
71) Bromoform	13.24	173	95863	20.196	ug/l #	98
73) Isopropylbenzene	13.41	105	662087	21.848	ug/l	97
74) N-amyl acetate	13.27	43	161769	19.162	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	132093	20.663	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	130459	20.742	ug/l	98
77) Bromobenzene	13.67	156	180628	20.105	ug/l	97
78) n-propylbenzene	13.78	91	841789	22.698	ug/l	98
79) 2-Chlorotoluene	13.85	91	438016	21.752	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	539355	22.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	37052	19.321	ug/l #	88
82) 4-Chlorotoluene	13.95	91	499749	22.824	ug/l	87
83) tert-Butylbenzene	14.19	119	600130	20.423	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	563421	22.133	ug/l	99
85) sec-Butylbenzene	14.37	105	705420	22.597	ug/l	99
86) p-Isopropyltoluene	14.50	119	579989	21.972	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	309146	20.320	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	313755	21.148	ug/l	94
89) n-Butylbenzene	14.81	91	548459	22.637	ug/l	99
90) Hexachloroethane	15.01	117	153115	20.532	ug/l	73
91) 1,2-Dichlorobenzene	14.81	146	274106	21.965	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	14627	19.508	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	123117	21.658	ug/l	98
94) Hexachlorobutadiene	16.05	225	92348	20.789	ug/l	96
95) Naphthalene	16.13	128	175197	20.219	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	54728	21.878	ug/l	93

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

