

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD040919\
 Data File : VD061675.D
 Acq On : 9 Apr 2019 15:24
 Operator : VA/AP
 Sample : VD0409SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0409SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 3:00:01 AM

Quant Time: Apr 10 01:27:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	605234	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	984055	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	848223	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	349000	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.49	65	217561	47.42	ug/l	0.03
Spiked Amount 50.000			Recovery	=	94.84%	
35) Dibromofluoromethane	6.95	113	326217	47.85	ug/l	0.03
Spiked Amount 50.000			Recovery	=	95.70%	
50) Toluene-d8	10.44	98	748715	43.71	ug/l	0.03
Spiked Amount 50.000			Recovery	=	87.42%	
62) 4-Bromofluorobenzene	13.57	95	310266	51.96	ug/l	0.02
Spiked Amount 50.000			Recovery	=	103.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.58	85	115617	17.707	ug/l	100
3) Chloromethane	1.77	50	105469	19.989	ug/l	98
4) Vinyl Chloride	1.85	62	97281	19.730	ug/l	98
5) Bromomethane	2.16	94	19251	16.869	ug/l	99
6) Chloroethane	2.27	64	26586	17.216	ug/l	98
7) Trichlorofluoromethane	2.53	101	147941	19.873	ug/l	97
8) Diethyl Ether	2.88	74	39275	18.799	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	143363	19.588	ug/l	94
10) Methyl Iodide	3.32	142	189228	19.725	ug/l	96
11) Tert butyl alcohol	4.08	59	31394	102.108	ug/l #	87
12) 1,1-Dichloroethene	3.14	96	117496	18.622	ug/l	97
13) Acrolein	3.06	56	34363	91.669	ug/l	93
14) Allyl chloride	3.64	41	176960	20.563	ug/l	98
15) Acrylonitrile	4.22	53	97870	92.472	ug/l	94
16) Acetone	3.23	43	124736	90.955	ug/l	99
17) Carbon Disulfide	3.39	76	384103	18.735	ug/l	97
18) Methyl Acetate	3.66	43	56160	21.766	ug/l	94
19) Methyl tert-butyl Ether	4.26	73	218230	19.976	ug/l	98
20) Methylene Chloride	3.83	84	156691	20.135	ug/l	97
21) trans-1,2-Dichloroethene	4.25	96	128622	18.769	ug/l	95
22) Diisopropyl ether	5.15	45	361146	20.016	ug/l	98
23) Vinyl Acetate	5.08	43	956085	96.036	ug/l	99
24) 1,1-Dichloroethane	5.01	63	202409	18.307	ug/l	99
25) 2-Butanone	6.10	43	147693	93.418	ug/l	98
26) 2,2-Dichloropropane	6.05	77	177323	19.697	ug/l	97
27) cis-1,2-Dichloroethene	6.07	96	141531	19.359	ug/l	92
28) Bromochloromethane	6.47	49	80122	19.645	ug/l	93
29) Tetrahydrofuran	6.48	42	79135	103.689	ug/l	98
30) Chloroform	6.70	83	231960	20.027	ug/l	95
31) Cyclohexane	6.98	56	165699	19.184	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	196413	19.351	ug/l	100
36) 1,1-Dichloropropene	7.17	75	174472	20.258	ug/l	100
37) Ethyl Acetate	6.21	43	72821	20.759	ug/l #	94
38) Carbon Tetrachloride	7.14	117	208036m	20.611	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	169992	19.226	ug/l	95
40) Benzene	7.49	78	427724	20.586	ug/l	99
41) Methacrylonitrile	6.47	41	86473	21.117	ug/l	96
42) 1,2-Dichloroethane	7.60	62	141856	21.710	ug/l	98
43) Isopropyl Acetate	9.27	43	103161	20.263	ug/l #	99
44) Trichloroethene	8.57	130	166585	20.914	ug/l	98
45) 1,2-Dichloropropane	8.96	63	111053	21.553	ug/l	99
46) Dibromomethane	9.09	93	75731	20.565	ug/l	99
47) Bromodichloromethane	9.40	83	169280	20.930	ug/l	96
48) Methyl methacrylate	9.15	41	60691	20.681	ug/l	96
49) 1,4-Dioxane	9.11	88	13497	416.675	ug/l	98
51) 4-Methyl-2-Pentanone	10.33	43	302952	100.622	ug/l	97
52) Toluene	10.54	92	259490	20.001	ug/l	98
53) t-1,3-Dichloropropene	10.94	75	162235	22.883	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	182797	20.916	ug/l	96
55) 1,1,2-Trichloroethane	11.22	97	86753	19.826	ug/l	94
56) Ethyl methacrylate	11.07	69	105718	22.902	ug/l	98
57) 1,3-Dichloropropane	11.43	76	142847	22.292	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.88	63	228862	105.074	ug/l	100
59) 2-Hexanone	11.55	43	238261	101.968	ug/l	97
60) Dibromochloromethane	11.71	129	145501	21.046	ug/l	99
61) 1,2-Dibromoethane	11.83	107	107348	20.977	ug/l	96
64) Tetrachloroethene	11.29	164	133702	20.306	ug/l	94
65) Chlorobenzene	12.42	112	325576	19.355	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.54	131	141706	21.892	ug/l	93
67) Ethyl Benzene	12.55	91	538573	21.026	ug/l	98
68) m/p-Xylenes	12.68	106	418440	42.373	ug/l	96
69) o-Xylene	13.07	106	182568	19.152	ug/l	93
70) Styrene	13.09	104	330335	20.291	ug/l	98
71) Bromoform	13.25	173	76769	19.115	ug/l	98
73) Isopropylbenzene	13.42	105	490339	21.086	ug/l	98
74) N-amyl acetate	13.28	43	137062	21.693	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.72	83	100608	20.924	ug/l	94
76) 1,2,3-Trichloropropane	13.75	75	100059	21.073	ug/l	93
77) Bromobenzene	13.69	156	155499	23.037	ug/l	86
78) n-propylbenzene	13.79	91	637928	22.933	ug/l	100
79) 2-Chlorotoluene	13.85	91	365410	22.971	ug/l	95
80) 1,3,5-Trimethylbenzene	13.95	105	433376	23.480	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.49	75	29835	20.707	ug/l	98
82) 4-Chlorotoluene	13.96	91	418545	24.012	ug/l	98
83) tert-Butylbenzene	14.21	119	500013	22.469	ug/l	93
84) 1,2,4-Trimethylbenzene	14.25	105	384914	20.663	ug/l	99
85) sec-Butylbenzene	14.39	105	534015	22.210	ug/l	94
86) p-Isopropyltoluene	14.50	119	462128	22.156	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	264198	22.743	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	249118	21.254	ug/l	98
89) n-Butylbenzene	14.81	91	434240	23.952	ug/l	99
90) Hexachloroethane	15.03	117	122781	21.694	ug/l	76
91) 1,2-Dichlorobenzene	14.82	146	230708	24.097	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	11539	19.887	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	131764	27.013	ug/l	98
94) Hexachlorobutadiene	16.05	225	94132	24.993	ug/l	99
95) Naphthalene	16.14	128	182284	23.618	ug/l	98
96) 1,2,3-Trichlorobenzene	16.29	180	68634	28.194	ug/l	96

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

