

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
 Data File : VD061876.D
 Acq On : 18 Apr 2019 16:07
 Operator : VA/AP
 Sample : VD0418SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS01

Quant Time: Apr 18 16:30:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	541370	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	8.22	114	842448	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	754144	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.52	152	356953	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	248838	54.84	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	109.68%	
35) Dibromofluoromethane	6.92	113	366770	57.63	ug/l	-0.05
Spiked Amount				50.000		
			Recovery	=	115.26%	
50) Toluene-d8	10.41	98	826163	54.78	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	109.56%	
62) 4-Bromofluorobenzene	13.56	95	317913	52.01	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	104.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	92765	17.556	ug/l	98
3) Chloromethane	1.75	50	89928	21.355	ug/l	97
4) Vinyl Chloride	1.84	62	81295	19.452	ug/l	98
5) Bromomethane	2.14	94	19276	18.272	ug/l	98
6) Chloroethane	2.25	64	25160	17.647	ug/l	98
7) Trichlorofluoromethane	2.51	101	141713	20.907	ug/l	99
8) Diethyl Ether	2.87	74	36949	20.800	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.14	101	123137	20.374	ug/l	98
10) Methyl Iodide	3.30	142	142039	17.201	ug/l	99
11) Tert butyl alcohol	4.06	59	32086	119.917	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	105572	20.778	ug/l	98
13) Acrolein	3.03	56	22652	87.449	ug/l	100
14) Allyl chloride	3.61	41	140625	20.305	ug/l	96
15) Acrylonitrile	4.19	53	87411	104.060	ug/l	95
16) Acetone	3.21	43	114335	102.245	ug/l	98
17) Carbon Disulfide	3.37	76	290844	17.716	ug/l	100
18) Methyl Acetate	3.64	43	50074	22.341	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	206843	21.814	ug/l	96
20) Methylene Chloride	3.80	84	142769	23.229	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	110417	19.774	ug/l	91
22) Diisopropyl ether	5.11	45	320595	21.656	ug/l	97
23) Vinyl Acetate	5.04	43	892918	112.833	ug/l	99
24) 1,1-Dichloroethane	4.97	63	192923	21.494	ug/l	99
25) 2-Butanone	6.06	43	141495	111.143	ug/l	98
26) 2,2-Dichloropropane	6.02	77	166881	21.511	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	130948	21.633	ug/l	91
28) Bromochloromethane	6.43	49	74526	21.860	ug/l	95
29) Tetrahydrofuran	6.45	42	65701	105.945	ug/l	100
30) Chloroform	6.66	83	216243	21.600	ug/l	95
31) Cyclohexane	6.95	56	130137	18.940	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	188705	21.264	ug/l	95
36) 1,1-Dichloropropene	7.14	75	156266	22.699	ug/l	98
37) Ethyl Acetate	6.18	43	68417	23.221	ug/l #	89
38) Carbon Tetrachloride	7.11	117	194746	22.403	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	134562	18.823	ug/l	96
40) Benzene	7.46	78	338797	20.499	ug/l	95
41) Methacrylonitrile	6.43	41	76541	21.979	ug/l #	86
42) 1,2-Dichloroethane	7.57	62	130265	22.631	ug/l	97
43) Isopropyl Acetate	9.24	43	91127	21.978	ug/l	98
44) Trichloroethene	8.54	130	148671	23.367	ug/l	97
45) 1,2-Dichloropropane	8.94	63	94737	22.006	ug/l	99
46) Dibromomethane	9.06	93	71708	23.377	ug/l	97
47) Bromodichloromethane	9.37	83	165196	23.344	ug/l	97
48) Methyl methacrylate	9.12	41	52878	21.696	ug/l	93
49) 1,4-Dioxane	9.09	88	12160	456.474	ug/l #	85
51) 4-Methyl-2-Pentanone	10.30	43	319517	126.014	ug/l	96
52) Toluene	10.51	92	225798	21.319	ug/l	95
53) t-1,3-Dichloropropene	10.91	75	135794	21.296	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	160028	21.380	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	81683	22.888	ug/l	96
56) Ethyl methacrylate	11.04	69	90193	23.026	ug/l	94
57) 1,3-Dichloropropane	11.41	76	120173	22.398	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	222125	119.225	ug/l	100
59) 2-Hexanone	11.53	43	219131	116.359	ug/l	97
60) Dibromochloromethane	11.69	129	131240	22.474	ug/l	98
61) 1,2-Dibromoethane	11.81	107	101314	23.087	ug/l	95
64) Tetrachloroethene	11.25	164	111299	19.679	ug/l	98
65) Chlorobenzene	12.40	112	288886	20.569	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	120832	20.530	ug/l	99
67) Ethyl Benzene	12.52	91	478507	21.275	ug/l	99
68) m/p-Xylenes	12.66	106	321851	38.095	ug/l	95
69) o-Xylene	13.05	106	160216	20.176	ug/l	92
70) Styrene	13.08	104	283467	20.744	ug/l	98
71) Bromoform	13.23	173	73505	21.040	ug/l	99
73) Isopropylbenzene	13.40	105	437652	18.905	ug/l	98
74) N-amyl acetate	13.26	43	119173	19.144	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	97499	21.307	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	98709	21.057	ug/l	98
77) Bromobenzene	13.67	156	129620	19.711	ug/l	86
78) n-propylbenzene	13.78	91	532441	19.907	ug/l	100
79) 2-Chlorotoluene	13.84	91	289719	18.543	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	364122	19.823	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	27465	20.197	ug/l	87
82) 4-Chlorotoluene	13.95	91	380649	21.285	ug/l	96
83) tert-Butylbenzene	14.19	119	449464	20.840	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	395149	21.401	ug/l	98
85) sec-Butylbenzene	14.37	105	452499	20.295	ug/l	99
86) p-Isopropyltoluene	14.49	119	421093	20.185	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	231436	20.160	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	243787	21.483	ug/l	95
89) n-Butylbenzene	14.80	91	348589	18.877	ug/l	95
90) Hexachloroethane	15.01	117	109084	19.185	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	189222	19.678	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12722	22.899	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	108809	20.602	ug/l	98
94) Hexachlorobutadiene	16.04	225	84276	22.019	ug/l	98
95) Naphthalene	16.13	128	192001	23.718	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	67377	22.386	ug/l	96

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

