

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061810.D
 Acq On : 16 Apr 2019 14:43
 Operator : VA/AP
 Sample : VD0416SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

Quant Time: Apr 16 15:09:41 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	7.06	168	693149	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.23	114	1169522	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.37	117	902685	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	409917	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	303599	52.26	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.52%	
35) Dibromofluoromethane	6.94	113	450393	50.97	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	10.42	98	1062598	50.76	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	13.56	95	396463	46.72	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	125243	18.512	ug/l	98
3) Chloromethane	1.76	50	110524	20.499	ug/l	97
4) Vinyl Chloride	1.86	62	102388	19.134	ug/l	98
5) Bromomethane	2.15	94	22092	15.939	ug/l	91
6) Chloroethane	2.27	64	34714	19.017	ug/l	99
7) Trichlorofluoromethane	2.54	101	156496	18.033	ug/l	99
8) Diethyl Ether	2.88	74	46672	20.521	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.17	101	158502	20.483	ug/l	97
10) Methyl Iodide	3.33	142	197895	18.408	ug/l #	98
11) Tert butyl alcohol	4.08	59	34998	102.159	ug/l #	93
12) 1,1-Dichloroethene	3.14	96	127730	19.634	ug/l	96
13) Acrolein	3.05	56	32819	98.956	ug/l	96
14) Allyl chloride	3.64	41	178206	20.097	ug/l	96
15) Acrylonitrile	4.21	53	110621	102.855	ug/l	99
16) Acetone	3.24	43	128151	89.506	ug/l	96
17) Carbon Disulfide	3.40	76	420557	20.008	ug/l	99
18) Methyl Acetate	3.66	43	61242	21.341	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	248673	20.483	ug/l	97
20) Methylene Chloride	3.83	84	156533	19.166	ug/l	99
21) trans-1,2-Dichloroethene	4.23	96	144863	20.263	ug/l	99
22) Diisopropyl ether	5.14	45	417278	22.015	ug/l	98
23) Vinyl Acetate	5.08	43	1082675	106.854	ug/l	100
24) 1,1-Dichloroethane	5.00	63	239326	20.825	ug/l	99
25) 2-Butanone	6.08	43	167373	102.682	ug/l	97
26) 2,2-Dichloropropane	6.04	77	205938	20.733	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	169459	21.865	ug/l	98
28) Bromochloromethane	6.45	49	86806	19.886	ug/l	91
29) Tetrahydrofuran	6.47	42	80273	101.099	ug/l	99
30) Chloroform	6.68	83	266196	20.767	ug/l	97
31) Cyclohexane	6.98	56	183879	20.901	ug/l	98
32) 1,1,1-Trichloroethane	6.89	97	222609	19.592	ug/l	99
36) 1,1-Dichloropropene	7.17	75	204486	21.397	ug/l	95
37) Ethyl Acetate	6.20	43	82857	20.257	ug/l	98
38) Carbon Tetrachloride	7.13	117	244844	20.289	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	203285	20.484	ug/l	99
40) Benzene	7.47	78	458882	20.000	ug/l	97
41) Methacrylonitrile	6.47	41	92685	19.171	ug/l #	91
42) 1,2-Dichloroethane	7.59	62	156696	19.610	ug/l	99
43) Isopropyl Acetate	9.25	43	121957	21.188	ug/l	98
44) Trichloroethene	8.55	130	179875	20.365	ug/l	95
45) 1,2-Dichloropropane	8.95	63	121059	20.256	ug/l	94
46) Dibromomethane	9.08	93	87616	20.575	ug/l	93
47) Bromodichloromethane	9.38	83	199529	20.310	ug/l	98
48) Methyl methacrylate	9.13	41	67726	20.017	ug/l	96
49) 1,4-Dioxane	9.10	88	15261	412.667	ug/l	95
51) 4-Methyl-2-Pentanone	10.32	43	328853	93.424	ug/l	99
52) Toluene	10.51	92	310748	21.135	ug/l	94
53) t-1,3-Dichloropropene	10.93	75	179487	20.276	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	194218	18.691	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	93586	18.889	ug/l	98
56) Ethyl methacrylate	11.05	69	111228	20.455	ug/l	97
57) 1,3-Dichloropropane	11.42	76	147940	19.862	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	243873	94.291	ug/l	97
59) 2-Hexanone	11.54	43	253426	96.935	ug/l	98
60) Dibromochloromethane	11.69	129	169817	20.948	ug/l	99
61) 1,2-Dibromoethane	11.81	107	117776	19.333	ug/l	95
64) Tetrachloroethene	11.27	164	134911	19.928	ug/l	98
65) Chlorobenzene	12.40	112	349732	20.804	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	150930	21.424	ug/l	97
67) Ethyl Benzene	12.53	91	575907	21.392	ug/l	100
68) m/p-Xylenes	12.67	106	430496	42.570	ug/l	99
69) o-Xylene	13.05	106	220013	23.147	ug/l	97
70) Styrene	13.08	104	375151	22.935	ug/l	97
71) Bromoform	13.24	173	87956	21.033	ug/l #	95
73) Isopropylbenzene	13.41	105	614650	23.121	ug/l	97
74) N-amyl acetate	13.27	43	150507	21.054	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	110567	21.041	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	105617	19.619	ug/l	100
77) Bromobenzene	13.67	156	165378	21.900	ug/l	92
78) n-propylbenzene	13.78	91	684038	22.271	ug/l	98
79) 2-Chlorotoluene	13.84	91	398919	22.233	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	467086	22.143	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	29738	19.233	ug/l	94
82) 4-Chlorotoluene	13.95	91	436046	21.232	ug/l	91
83) tert-Butylbenzene	14.19	119	484917	19.578	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	470696	22.199	ug/l	99
85) sec-Butylbenzene	14.37	105	560885	21.906	ug/l	100
86) p-Isopropyltoluene	14.49	119	510765	21.320	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	281179	21.328	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	294027	22.562	ug/l	98
89) n-Butylbenzene	14.80	91	460457	21.714	ug/l	98
90) Hexachloroethane	15.01	117	145359	22.261	ug/l	99
91) 1,2-Dichlorobenzene	14.81	146	234621	21.246	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	14323	22.486	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	115067	18.972	ug/l	96
94) Hexachlorobutadiene	16.05	225	100468	22.858	ug/l	98
95) Naphthalene	16.12	128	186141	20.023	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	65129	18.843	ug/l	99

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

