

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD043019\
 Data File : VD062084.D
 Acq On : 30 Apr 2019 13:43
 Operator : FY/SY
 Sample : VD0430SBS01
 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0430SBS01

Quant Time: May 01 01:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	550684	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	909532	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	753491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	367830	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	235805	54.71	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.42%	
35) Dibromofluoromethane	6.90	113	330569	52.55	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.39	98	775927	51.84	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	13.55	95	356651	59.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	92109	18.732	ug/l	100
3) Chloromethane	1.75	50	82446	19.727	ug/l	97
4) Vinyl Chloride	1.84	62	74077	19.556	ug/l	96
5) Bromomethane	2.14	94	22662	20.013	ug/l	98
6) Chloroethane	2.25	64	28770	21.011	ug/l	93
7) Trichlorofluoromethane	2.51	101	120088	20.967	ug/l	96
8) Diethyl Ether	2.86	74	32401	21.108	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.13	101	106204	20.130	ug/l	97
10) Methyl Iodide	3.29	142	115212	18.206	ug/l	98
11) Tert butyl alcohol	4.04	59	23832	97.867	ug/l #	95
12) 1,1-Dichloroethene	3.11	96	88422	19.699	ug/l	95
13) Acrolein	3.03	56	20580	81.452	ug/l	94
14) Allyl chloride	3.61	41	118931	19.404	ug/l	97
15) Acrylonitrile	4.17	53	79527	105.466	ug/l	97
16) Acetone	3.20	43	101943	99.061	ug/l	93
17) Carbon Disulfide	3.36	76	248925	19.191	ug/l	97
18) Methyl Acetate	3.62	43	41582	21.027	ug/l	93
19) Methyl tert-butyl Ether	4.22	73	173568	19.489	ug/l	98
20) Methylene Chloride	3.80	84	106570	19.315	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	105349	20.459	ug/l	95
22) Diisopropyl ether	5.09	45	274707	19.197	ug/l	97
23) Vinyl Acetate	5.03	43	717243	96.245	ug/l	99
24) 1,1-Dichloroethane	4.97	63	166429	19.242	ug/l	99
25) 2-Butanone	6.05	43	120749	96.778	ug/l	96
26) 2,2-Dichloropropane	6.00	77	160113	21.220	ug/l	96
27) cis-1,2-Dichloroethene	6.02	96	115430	19.705	ug/l	98
28) Bromochloromethane	6.42	49	69992	21.149	ug/l	95
29) Tetrahydrofuran	6.43	42	56590	92.050	ug/l	97
30) Chloroform	6.65	83	199085	20.265	ug/l	98
31) Cyclohexane	6.94	56	122874	19.140	ug/l	96
32) 1,1,1-Trichloroethane	6.85	97	171623	20.078	ug/l	96
36) 1,1-Dichloropropene	7.13	75	140633	19.846	ug/l	98
37) Ethyl Acetate	6.16	43	59052	19.556	ug/l	98
38) Carbon Tetrachloride	7.09	117	174874	19.475	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	132827	18.998	ug/l	98
40) Benzene	7.44	78	326716	18.624	ug/l	98
41) Methacrylonitrile	6.43	41	66831	18.968	ug/l	92
42) 1,2-Dichloroethane	7.56	62	113958	19.132	ug/l	96
43) Isopropyl Acetate	9.23	43	81258	18.417	ug/l	100
44) Trichloroethene	8.52	130	133899	19.687	ug/l	98
45) 1,2-Dichloropropane	8.92	63	81653	18.347	ug/l	96
46) Dibromomethane	9.05	93	60695	18.953	ug/l	98
47) Bromodichloromethane	9.36	83	147943	19.552	ug/l	99
48) Methyl methacrylate	9.11	41	46952	18.651	ug/l	97
49) 1,4-Dioxane	9.05	88	10303	379.615	ug/l #	83
51) 4-Methyl-2-Pentanone	10.28	43	265342	98.336	ug/l	97
52) Toluene	10.50	92	212591	19.006	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	129127	20.331	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	148753	19.256	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	73976	19.699	ug/l	97
56) Ethyl methacrylate	11.03	69	82420	19.817	ug/l	99
57) 1,3-Dichloropropane	11.39	76	110611	19.071	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.84	63	222584	115.108	ug/l	100
59) 2-Hexanone	11.52	43	201928	99.761	ug/l	97
60) Dibromochloromethane	11.67	129	125039	20.123	ug/l	92
61) 1,2-Dibromoethane	11.80	107	88309	19.824	ug/l	98
64) Tetrachloroethene	11.25	164	108172	20.125	ug/l	97
65) Chlorobenzene	12.39	112	276764	19.438	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	123570	20.460	ug/l	97
67) Ethyl Benzene	12.52	91	487094	20.960	ug/l	98
68) m/p-Xylenes	12.66	106	339079	40.369	ug/l	99
69) o-Xylene	13.04	106	156654	20.384	ug/l	99
70) Styrene	13.07	104	239229	18.028	ug/l	99
71) Bromoform	13.22	173	71787	20.849	ug/l	93
73) Isopropylbenzene	13.39	105	490201	19.978	ug/l	99
74) N-amyl acetate	13.25	43	116208	18.390	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	92526	19.243	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	88914	19.036	ug/l	100
77) Bromobenzene	13.66	156	140872	20.014	ug/l	87
78) n-propylbenzene	13.77	91	589146	20.974	ug/l	100
79) 2-Chlorotoluene	13.84	91	328420	19.303	ug/l	95
80) 1,3,5-Trimethylbenzene	13.92	105	412053	21.061	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	26026	18.387	ug/l	92
82) 4-Chlorotoluene	13.94	91	389038	20.763	ug/l	99
83) tert-Butylbenzene	14.18	119	416813	18.391	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	379890	20.335	ug/l	97
85) sec-Butylbenzene	14.36	105	456548	18.643	ug/l	97
86) p-Isopropyltoluene	14.48	119	457382	20.869	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	241466	19.590	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	234242	20.320	ug/l	95
89) n-Butylbenzene	14.79	91	418844	21.286	ug/l	96
90) Hexachloroethane	15.00	117	119794	20.213	ug/l	87
91) 1,2-Dichlorobenzene	14.80	146	211747	20.825	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	12497	19.301	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	113047	20.606	ug/l	93
94) Hexachlorobutadiene	16.03	225	84033	20.698	ug/l	98
95) Naphthalene	16.12	128	163466	18.454	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	61332	19.704	ug/l	96

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

