

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061162.D
 Acq On : 19 Mar 2019 00:51
 Operator : VA/AP
 Sample : VD0318SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0318SBS02

Quant Time: Mar 19 01:18:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	597436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1089450	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	889102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	401963	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	261475	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
35) Dibromofluoromethane	6.91	113	391653	48.44	ug/l	-0.02
Spiked Amount			Recovery	=	96.88%	
50) Toluene-d8	10.39	98	836303	41.19	ug/l	0.00
Spiked Amount			Recovery	=	82.38%	
62) 4-Bromofluorobenzene	13.54	95	367599	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	114983	19.429	ug/l	99
3) Chloromethane	1.76	50	105583	21.417	ug/l	95
4) Vinyl Chloride	1.86	62	95477	20.959	ug/l	98
5) Bromomethane	2.15	94	15659	16.730	ug/l #	82
6) Chloroethane	2.26	64	27579	20.227	ug/l	90
7) Trichlorofluoromethane	2.53	101	127308	19.454	ug/l	96
8) Diethyl Ether	2.87	74	48674	22.547	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.15	101	153140	20.932	ug/l	96
10) Methyl Iodide	3.31	142	189445	20.633	ug/l	99
11) Tert butyl alcohol	4.05	59	35037	110.670	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	123815	20.646	ug/l	90
13) Acrolein	3.03	56	31341	68.419	ug/l	89
14) Allyl chloride	3.61	41	186025	19.387	ug/l	94
15) Acrylonitrile	4.19	53	131281	117.328	ug/l	95
16) Acetone	3.22	43	135371	95.193	ug/l	95
17) Carbon Disulfide	3.38	76	372927	18.434	ug/l	98
18) Methyl Acetate	3.63	43	62005	22.156	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	262398	24.967	ug/l	99
20) Methylene Chloride	3.81	84	148049	20.038	ug/l	99
21) trans-1,2-Dichloroethene	4.21	96	141162	21.747	ug/l	96
22) Diisopropyl ether	5.11	45	441967	22.188	ug/l	98
23) Vinyl Acetate	5.04	43	1168332	114.260	ug/l	99
24) 1,1-Dichloroethane	4.98	63	252073	23.097	ug/l	98
25) 2-Butanone	6.05	43	175122	108.525	ug/l	99
26) 2,2-Dichloropropane	6.00	77	165608	19.438	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	153256	22.253	ug/l	95
28) Bromochloromethane	6.43	49	83710	18.118	ug/l	96
29) Tetrahydrofuran	6.45	42	96682	110.341	ug/l	97
30) Chloroform	6.65	83	248770	21.994	ug/l	97
31) Cyclohexane	6.95	56	180894	20.556	ug/l	91
32) 1,1,1-Trichloroethane	6.86	97	220055	22.503	ug/l	96
36) 1,1-Dichloropropene	7.14	75	181976	19.378	ug/l	96
37) Ethyl Acetate	6.17	43	87331	19.817	ug/l	96
38) Carbon Tetrachloride	7.10	117	207919	20.100	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	180067	18.492	ug/l	99
40) Benzene	7.44	78	494563	21.076	ug/l	100
41) Methacrylonitrile	6.43	41	102231	20.169	ug/l #	91
42) 1,2-Dichloroethane	7.56	62	147252	21.624	ug/l	98
43) Isopropyl Acetate	9.22	43	120296	19.709	ug/l #	99
44) Trichloroethene	8.52	130	168157	20.772	ug/l	99
45) 1,2-Dichloropropane	8.93	63	114452	18.565	ug/l	97
46) Dibromomethane	9.05	93	84382	21.578	ug/l	97
47) Bromodichloromethane	9.36	83	188101	21.316	ug/l	97
48) Methyl methacrylate	9.11	41	72694	21.153	ug/l	98
49) 1,4-Dioxane	9.07	88	14634	421.126	ug/l #	91
51) 4-Methyl-2-Pentanone	10.29	43	407643	109.018	ug/l	98
52) Toluene	10.49	92	304984	20.901	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	168465	20.878	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	204788	21.123	ug/l	99
55) 1,1,2-Trichloroethane	11.17	97	111103	22.864	ug/l	97
56) Ethyl methacrylate	11.02	69	115830	22.773	ug/l	97
57) 1,3-Dichloropropane	11.40	76	172006	23.686	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	275658	102.387	ug/l	99
59) 2-Hexanone	11.52	43	285368	104.331	ug/l	99
60) Dibromochloromethane	11.67	129	153339	21.441	ug/l	98
61) 1,2-Dibromoethane	11.79	107	126659	22.406	ug/l	97
64) Tetrachloroethene	11.24	164	140859	23.469	ug/l	98
65) Chlorobenzene	12.39	112	355990	20.424	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	149212	24.016	ug/l	97
67) Ethyl Benzene	12.51	91	586997	22.621	ug/l	100
68) m/p-Xylenes	12.66	106	451770	44.357	ug/l	95
69) o-Xylene	13.04	106	221868	22.162	ug/l	99
70) Styrene	13.06	104	378386	23.146	ug/l	98
71) Bromoform	13.22	173	93019	23.208	ug/l #	98
73) Isopropylbenzene	13.40	105	575443	19.864	ug/l	100
74) N-amyl acetate	13.26	43	165823	20.329	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	124308	21.994	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	133634	23.108	ug/l	98
77) Bromobenzene	13.66	156	166903	22.570	ug/l	99
78) n-propylbenzene	13.76	91	681089	20.083	ug/l	100
79) 2-Chlorotoluene	13.83	91	400510	21.451	ug/l	99
80) 1,3,5-Trimethylbenzene	14.23	105	490102	22.286	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	33955	19.916	ug/l	97
82) 4-Chlorotoluene	13.94	91	404942	18.346	ug/l	99
83) tert-Butylbenzene	14.18	119	541564	22.502	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	490102	22.286	ug/l	98
85) sec-Butylbenzene	14.36	105	526516	17.920	ug/l	97
86) p-Isopropyltoluene	14.48	119	504728	21.016	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	284128	21.517	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	284630	21.935	ug/l	99
89) n-Butylbenzene	14.79	91	430551	18.668	ug/l	96
90) Hexachloroethane	15.00	117	142408	20.999	ug/l	89
91) 1,2-Dichlorobenzene	14.80	146	254470	23.117	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	16030	23.536	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	103073	20.184	ug/l	98
94) Hexachlorobutadiene	16.04	225	75594	19.571	ug/l	96
95) Naphthalene	16.11	128	198273	25.550	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	57582	22.830	ug/l	92

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

