

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042219\
 Data File : VD061936.D
 Acq On : 22 Apr 2019 14:02
 Operator : VA/AP
 Sample : VD0422SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBSD01

Quant Time: Apr 22 23:30:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	633624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1042047	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	871878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	388516	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	291965	54.98	ug/l	0.00
Spiked Amount			Recovery	=	109.96%	
35) Dibromofluoromethane	6.93	113	425969	54.11	ug/l	0.00
Spiked Amount			Recovery	=	108.22%	
50) Toluene-d8	10.41	98	940807	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	13.55	95	373441	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	104274	16.861	ug/l	97
3) Chloromethane	1.75	50	99850	20.259	ug/l	100
4) Vinyl Chloride	1.86	62	92071	18.823	ug/l	100
5) Bromomethane	2.15	94	20696	16.433	ug/l	95
6) Chloroethane	2.26	64	25004	14.984	ug/l	93
7) Trichlorofluoromethane	2.53	101	124078	15.640	ug/l	95
8) Diethyl Ether	2.87	74	36097	17.362	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.15	101	121809	17.220	ug/l	92
10) Methyl Iodide	3.30	142	143011	15.289	ug/l	98
11) Tert butyl alcohol	4.06	59	30554	97.565	ug/l	99
12) 1,1-Dichloroethene	3.13	96	103846	17.463	ug/l	93
13) Acrolein	3.04	56	18982	62.612	ug/l	100
14) Allyl chloride	3.62	41	132913	16.398	ug/l	97
15) Acrylonitrile	4.19	53	91357	92.923	ug/l	98
16) Acetone	3.22	43	107641	82.244	ug/l	97
17) Carbon Disulfide	3.37	76	282765	14.717	ug/l	99
18) Methyl Acetate	3.64	43	44737	17.054	ug/l #	89
19) Methyl tert-butyl Ether	4.24	73	214900	19.364	ug/l	99
20) Methylene Chloride	3.82	84	121307	15.480	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	123522	18.901	ug/l	97
22) Diisopropyl ether	5.13	45	376528	21.731	ug/l	99
23) Vinyl Acetate	5.06	43	984381	106.279	ug/l	99
24) 1,1-Dichloroethane	4.98	63	213999	20.371	ug/l	100
25) 2-Butanone	6.07	43	151480	101.662	ug/l	100
26) 2,2-Dichloropropane	6.02	77	183963	20.260	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	142477	20.111	ug/l	97
28) Bromochloromethane	6.44	49	81721	20.480	ug/l	98
29) Tetrahydrofuran	6.45	42	76066	104.800	ug/l	98
30) Chloroform	6.66	83	239515	20.441	ug/l	97
31) Cyclohexane	6.96	56	162009	20.146	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	215825	20.779	ug/l	97
36) 1,1-Dichloropropene	7.14	75	165518	19.438	ug/l	99
37) Ethyl Acetate	6.18	43	73057	20.046	ug/l #	94
38) Carbon Tetrachloride	7.10	117	213196	19.828	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	179391	20.287	ug/l	98
40) Benzene	7.46	78	425819	20.829	ug/l	97
41) Methacrylonitrile	6.44	41	86187	20.008	ug/l	98
42) 1,2-Dichloroethane	7.58	62	145294	20.407	ug/l	100
43) Isopropyl Acetate	9.24	43	94114	18.351	ug/l	90
44) Trichloroethene	8.54	130	154578	19.642	ug/l	98
45) 1,2-Dichloropropane	8.94	63	108914	20.454	ug/l	99
46) Dibromomethane	9.06	93	76444	20.147	ug/l	93
47) Bromodichloromethane	9.38	83	175618	20.063	ug/l	97
48) Methyl methacrylate	9.12	41	60855	20.186	ug/l	98
49) 1,4-Dioxane	9.08	88	13201	400.631	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	332646	106.063	ug/l	98
52) Toluene	10.51	92	255641	19.514	ug/l	95
53) t-1,3-Dichloropropene	10.91	75	155921	19.768	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	191722	20.708	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	91110	20.639	ug/l	96
56) Ethyl methacrylate	11.04	69	91430	18.871	ug/l	96
57) 1,3-Dichloropropane	11.41	76	138836	20.920	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	253093	109.826	ug/l	98
59) 2-Hexanone	11.53	43	251309	107.885	ug/l	94
60) Dibromochloromethane	11.68	129	161048	22.296	ug/l	97
61) 1,2-Dibromoethane	11.80	107	110544	20.366	ug/l	92
64) Tetrachloroethene	11.26	164	119123	18.218	ug/l	99
65) Chlorobenzene	12.40	112	357717	22.031	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	141072	20.732	ug/l	97
67) Ethyl Benzene	12.52	91	550053	21.153	ug/l	96
68) m/p-Xylenes	12.67	106	376627	38.559	ug/l	99
69) o-Xylene	13.05	106	184943	20.145	ug/l	96
70) Styrene	13.07	104	319555	20.227	ug/l	98
71) Bromoform	13.24	173	76493	18.938	ug/l	98
73) Isopropylbenzene	13.40	105	535237	21.242	ug/l	97
74) N-amyl acetate	13.27	43	137898	20.353	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	101150	20.309	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	103501	20.285	ug/l	97
77) Bromobenzene	13.67	156	150257	20.993	ug/l	98
78) n-propylbenzene	13.77	91	631527	21.694	ug/l	99
79) 2-Chlorotoluene	13.84	91	360624	21.206	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	447143	22.366	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	28794	19.577	ug/l	96
82) 4-Chlorotoluene	13.95	91	419363	21.544	ug/l	96
83) tert-Butylbenzene	14.19	119	513421	21.871	ug/l	92
84) 1,2,4-Trimethylbenzene	14.23	105	430218	21.408	ug/l	96
85) sec-Butylbenzene	14.37	105	489144	20.156	ug/l	99
86) p-Isopropyltoluene	14.49	119	481207	21.193	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	270674	21.662	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	257892	20.879	ug/l	97
89) n-Butylbenzene	14.79	91	451231	22.451	ug/l	96
90) Hexachloroethane	15.01	117	133416	21.558	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	233566	22.316	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13593	22.513	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	125416	21.817	ug/l	92
94) Hexachlorobutadiene	16.03	225	89124	21.394	ug/l	97
95) Naphthalene	16.12	128	194810	22.110	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	71134	21.714	ug/l	95

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

