

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061391.D
 Acq On : 28 Mar 2019 15:22
 Operator : VA/AP
 Sample : VD0328SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0328SBS01

Quant Time: Mar 28 15:46:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	732477	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	1186629	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	1033874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	458494	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	306577	49.00	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	6.92	113	486292	53.63	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.26%	
50) Toluene-d8	10.40	98	1200414	55.19	ug/l	0.01
Spiked Amount	50.000		Recovery	=	110.38%	
62) 4-Bromofluorobenzene	13.55	95	445851	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	151384	19.352	ug/l	99
3) Chloromethane	1.76	50	130565	20.466	ug/l	99
4) Vinyl Chloride	1.86	62	116987	19.971	ug/l	99
5) Bromomethane	2.16	94	19966	17.189	ug/l	93
6) Chloroethane	2.27	64	30790	17.924	ug/l	90
7) Trichlorofluoromethane	2.53	101	160139	18.800	ug/l	99
8) Diethyl Ether	2.88	74	53159	19.383	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.15	101	193186	21.096	ug/l	96
10) Methyl Iodide	3.31	142	188618	16.076	ug/l	98
11) Tert butyl alcohol	4.06	59	37402	95.983	ug/l	97
12) 1,1-Dichloroethene	3.13	96	166954	21.235	ug/l	97
13) Acrolein	3.04	56	36250	109.190	ug/l	99
14) Allyl chloride	3.63	41	228987	20.882	ug/l	98
15) Acrylonitrile	4.20	53	132155	97.713	ug/l	94
16) Acetone	3.22	43	144829	90.040	ug/l	97
17) Carbon Disulfide	3.38	76	508086	19.890	ug/l	100
18) Methyl Acetate	3.65	43	70286	20.783	ug/l	100
19) Methyl tert-butyl Ether	4.23	73	265535	19.511	ug/l	100
20) Methylene Chloride	3.82	84	212912	22.576	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	168623	19.865	ug/l	97
22) Diisopropyl ether	5.12	45	490134	21.122	ug/l	96
23) Vinyl Acetate	5.05	43	1287160	102.114	ug/l	100
24) 1,1-Dichloroethane	4.98	63	277936	20.380	ug/l	99
25) 2-Butanone	6.06	43	196934	97.331	ug/l	99
26) 2,2-Dichloropropane	6.02	77	221528	20.434	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	188493	20.268	ug/l	98
28) Bromochloromethane	6.43	49	114060	20.719	ug/l #	98
29) Tetrahydrofuran	6.45	42	102008	104.015	ug/l	99
30) Chloroform	6.66	83	290140	20.590	ug/l	98
31) Cyclohexane	6.95	56	214738	19.926	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	243427	19.581	ug/l	96
36) 1,1-Dichloropropene	7.14	75	226086	21.830	ug/l	98
37) Ethyl Acetate	6.18	43	98557	22.251	ug/l	99
38) Carbon Tetrachloride	7.11	117	250049	21.011	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	230778	21.395	ug/l	98
40) Benzene	7.45	78	546165	21.013	ug/l	98
41) Methacrylonitrile	6.45	41	111920	21.611	ug/l #	89
42) 1,2-Dichloroethane	7.57	62	166310	21.391	ug/l	97
43) Isopropyl Acetate	9.23	43	133806	20.763	ug/l	99
44) Trichloroethene	8.54	130	188043	19.440	ug/l	97
45) 1,2-Dichloropropane	8.93	63	134908	20.469	ug/l	98
46) Dibromomethane	9.06	93	94561	21.316	ug/l	99
47) Bromodichloromethane	9.36	83	219808	22.076	ug/l	94
48) Methyl methacrylate	9.12	41	78970	22.204	ug/l	94
49) 1,4-Dioxane	9.07	88	17258	439.924	ug/l #	92
51) 4-Methyl-2-Pentanone	10.29	43	407847	104.022	ug/l	99
52) Toluene	10.50	92	370095	23.339	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	189979	21.001	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	229870	20.868	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	114027	20.562	ug/l	98
56) Ethyl methacrylate	11.03	69	113765	19.096	ug/l	94
57) 1,3-Dichloropropane	11.40	76	173123	21.239	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	324552	111.866	ug/l	99
59) 2-Hexanone	11.52	43	285983	100.672	ug/l	98
60) Dibromochloromethane	11.68	129	169915	19.875	ug/l	98
61) 1,2-Dibromoethane	11.80	107	127411	19.841	ug/l	96
64) Tetrachloroethene	11.24	164	157610	19.424	ug/l	99
65) Chlorobenzene	12.40	112	405101	19.173	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	156204	19.094	ug/l	99
67) Ethyl Benzene	12.51	91	621660	19.276	ug/l	97
68) m/p-Xylenes	12.66	106	486209	39.799	ug/l	97
69) o-Xylene	13.05	106	236140	19.919	ug/l	99
70) Styrene	13.07	104	430198	20.817	ug/l	99
71) Bromoform	13.23	173	92588	17.854	ug/l	96
73) Isopropylbenzene	13.40	105	618218	19.373	ug/l	99
74) N-amyl acetate	13.26	43	158694	17.852	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	124137	18.441	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	118669	17.918	ug/l	99
77) Bromobenzene	13.67	156	170735	18.048	ug/l	83
78) n-propylbenzene	13.77	91	781811	20.020	ug/l	95
79) 2-Chlorotoluene	13.83	91	425936	20.088	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	518560	20.944	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	38873	19.250	ug/l	95
82) 4-Chlorotoluene	13.94	91	485208	21.045	ug/l	95
83) tert-Butylbenzene	14.19	119	543430	17.563	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	524401	19.564	ug/l	98
85) sec-Butylbenzene	14.37	105	634808	19.312	ug/l	98
86) p-Isopropyltoluene	14.48	119	616952	22.196	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	325693	20.331	ug/l	93
88) 1,4-Dichlorobenzene	14.53	146	310030	19.845	ug/l	97
89) n-Butylbenzene	14.80	91	498463	19.538	ug/l	98
90) Hexachloroethane	15.01	117	155563	19.810	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	257568	19.601	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13603	17.230	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	125691	20.998	ug/l	100
94) Hexachlorobutadiene	16.03	225	94591	20.223	ug/l	99
95) Naphthalene	16.12	128	174227	19.095	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	51111	19.404	ug/l	96

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

