

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061389.D
 Acq On : 28 Mar 2019 14:01
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 28 14:24:40 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	803999	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	1255107	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	1104439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	457924	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	317072	46.17	ug/l	0.01
Spiked Amount			Recovery	=	92.34%	
35) Dibromofluoromethane	6.92	113	497426	51.86	ug/l	0.02
Spiked Amount			Recovery	=	103.72%	
50) Toluene-d8	10.40	98	1176570	51.15	ug/l	0.01
Spiked Amount			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	13.55	95	474059	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	419494	48.856	ug/l	98
3) Chloromethane	1.77	50	325518	46.485	ug/l	99
4) Vinyl Chloride	1.86	62	285489	44.402	ug/l	98
5) Bromomethane	2.16	94	63090	49.483	ug/l	97
6) Chloroethane	2.28	64	105699	56.058	ug/l	98
7) Trichlorofluoromethane	2.54	101	479556	51.291	ug/l	100
8) Diethyl Ether	2.88	74	137725	45.752	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.16	101	503503	50.092	ug/l	99
10) Methyl Iodide	3.32	142	703200	46.294	ug/l	97
11) Tert butyl alcohol	4.06	59	99071	231.625	ug/l #	95
12) 1,1-Dichloroethene	3.14	96	424442	49.183	ug/l	92
13) Acrolein	3.05	56	84140	259.013	ug/l	100
14) Allyl chloride	3.63	41	602869	50.086	ug/l	96
15) Acrylonitrile	4.20	53	347029	233.762	ug/l	98
16) Acetone	3.22	43	498705	282.464	ug/l	97
17) Carbon Disulfide	3.38	76	1362934	48.609	ug/l	100
18) Methyl Acetate	3.65	43	163444	44.029	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	705104	47.201	ug/l	99
20) Methylene Chloride	3.82	84	512784	51.919	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	455981	48.940	ug/l	99
22) Diisopropyl ether	5.12	45	1222795	48.007	ug/l	97
23) Vinyl Acetate	5.05	43	3336227	241.128	ug/l	98
24) 1,1-Dichloroethane	4.98	63	744962	49.766	ug/l	98
25) 2-Butanone	6.06	43	532457	239.747	ug/l	98
26) 2,2-Dichloropropane	6.03	77	579300	48.682	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	476268	46.656	ug/l	96
28) Bromochloromethane	6.43	49	290667	48.103	ug/l #	100
29) Tetrahydrofuran	6.45	42	256920	238.670	ug/l	99
30) Chloroform	6.66	83	761750	49.249	ug/l	99
31) Cyclohexane	6.95	56	576370	48.724	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	656051	48.078	ug/l	97
36) 1,1-Dichloropropene	7.14	75	597542	54.549	ug/l	98
37) Ethyl Acetate	6.18	43	231890	49.498	ug/l	99
38) Carbon Tetrachloride	7.11	117	740817	58.853	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	632865	55.472	ug/l	97
40) Benzene	7.45	78	1433740	52.151	ug/l	98
41) Methacrylonitrile	6.43	41	292581	53.413	ug/l #	91
42) 1,2-Dichloroethane	7.57	62	403038	49.010	ug/l	100
43) Isopropyl Acetate	9.23	43	371159	54.451	ug/l #	97
44) Trichloroethene	8.53	130	549723	53.730	ug/l	99
45) 1,2-Dichloropropane	8.93	63	364203	52.244	ug/l	96
46) Dibromomethane	9.05	93	255930	54.544	ug/l	93
47) Bromodichloromethane	9.37	83	561098	53.279	ug/l	98
48) Methyl methacrylate	9.11	41	194669	51.748	ug/l	97
49) 1,4-Dioxane	9.07	88	45593	1098.803	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	1029040	248.138	ug/l	98
52) Toluene	10.50	92	859786	51.262	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	495939	51.832	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	587243	50.403	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	300738	51.271	ug/l	98
56) Ethyl methacrylate	11.03	69	317166	50.334	ug/l	94
57) 1,3-Dichloropropane	11.40	76	426336	49.451	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	756886	246.648	ug/l	100
59) 2-Hexanone	11.52	43	771271	256.692	ug/l	98
60) Dibromochloromethane	11.68	129	461004	50.982	ug/l	99
61) 1,2-Dibromoethane	11.80	107	337372	49.671	ug/l	98
64) Tetrachloroethene	11.25	164	394971	45.567	ug/l	98
65) Chlorobenzene	12.39	112	1108735	49.122	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	409362	46.842	ug/l	98
67) Ethyl Benzene	12.52	91	1551154	45.024	ug/l	99
68) m/p-Xylenes	12.66	106	1263434	96.811	ug/l	100
69) o-Xylene	13.04	106	591078	46.672	ug/l	97
70) Styrene	13.07	104	982309	44.495	ug/l	97
71) Bromoform	13.22	173	244108	44.064	ug/l	97
73) Isopropylbenzene	13.40	105	1653027	51.866	ug/l	98
74) N-amyl acetate	13.26	43	425213	47.893	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	316470	47.071	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	322062	48.688	ug/l	99
77) Bromobenzene	13.67	156	444479	47.043	ug/l	82
78) n-propylbenzene	13.77	91	1910261	48.978	ug/l	97
79) 2-Chlorotoluene	13.83	91	1048024	49.488	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	1289533	52.148	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	104591	51.858	ug/l	94
82) 4-Chlorotoluene	13.94	91	1115374	48.438	ug/l	98
83) tert-Butylbenzene	14.18	119	1538643	49.788	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1273922	47.585	ug/l	99
85) sec-Butylbenzene	14.36	105	1682451	51.247	ug/l	100
86) p-Isopropyltoluene	14.48	119	1346838	48.515	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	787187	49.199	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	779287	49.944	ug/l	98
89) n-Butylbenzene	14.79	91	1195081	46.902	ug/l	100
90) Hexachloroethane	15.00	117	399804	50.977	ug/l	65
91) 1,2-Dichlorobenzene	14.80	146	611237	46.574	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	40326	51.141	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	247925	41.470	ug/l	96
94) Hexachlorobutadiene	16.03	225	220934	47.292	ug/l	97
95) Naphthalene	16.12	128	397080	43.575	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	105303	40.028	ug/l	97

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

