

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081919\
 Data File : VD063650.D
 Acq On : 19 Aug 2019 11:36
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 20 08:27:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1120888	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1569687	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1308139	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	681745	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	607513	50.70	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.40%	
35) Dibromofluoromethane	6.91	113	676678	51.19	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.38%	
50) Toluene-d8	10.41	98	1456172	50.10	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	13.55	95	658875	50.02	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	578150	42.634	ug/l	96
3) Chloromethane	1.75	50	469954	44.356	ug/l	95
4) Vinyl Chloride	1.84	62	507551	48.256	ug/l	95
5) Bromomethane	2.15	94	225194	45.375	ug/l	100
6) Chloroethane	2.26	64	251943	52.381	ug/l	92
7) Trichlorofluoromethane	2.52	101	1018574	49.371	ug/l	98
8) Diethyl Ether	2.87	74	139262	47.809	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.14	101	579700	47.586	ug/l	100
10) Methyl Iodide	3.29	142	779943	45.249	ug/l	96
11) Tert butyl alcohol	4.07	59	148221	284.179	ug/l	98
12) 1,1-Dichloroethene	3.12	96	420715	46.451	ug/l	92
13) Acrolein	3.03	56	123554	240.661	ug/l	96
14) Allyl chloride	3.62	41	662696	48.672	ug/l	97
15) Acrylonitrile	4.20	53	345658	250.199	ug/l	95
16) Acetone	3.21	43	665514	273.246	ug/l	94
17) Carbon Disulfide	3.37	76	1242456	43.465	ug/l	99
18) Methyl Acetate	3.64	43	221028	47.911	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	947679	52.319	ug/l	95
20) Methylene Chloride	3.80	84	432639	41.079	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	447960	47.000	ug/l	96
22) Diisopropyl ether	5.12	45	1326907	47.227	ug/l	99
23) Vinyl Acetate	5.05	43	4282650	262.194	ug/l	98
24) 1,1-Dichloroethane	4.97	63	845122	48.497	ug/l	98
25) 2-Butanone	6.07	43	605851	251.864	ug/l	96
26) 2,2-Dichloropropane	6.02	77	875704	50.452	ug/l	94
27) cis-1,2-Dichloroethene	6.03	96	496229	47.587	ug/l	83
28) Bromochloromethane	6.43	49	366487	51.891	ug/l	87
29) Tetrahydrofuran	6.45	42	295260	263.416	ug/l	99
30) Chloroform	6.66	83	977539	45.130	ug/l	99
31) Cyclohexane	6.95	56	504511	46.635	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	996784	48.107	ug/l	98
36) 1,1-Dichloropropene	7.14	75	671219	48.371	ug/l	97
37) Ethyl Acetate	6.18	43	296908	51.062	ug/l #	93
38) Carbon Tetrachloride	7.10	117	1091528	52.193	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	563212	47.731	ug/l	99
40) Benzene	7.45	78	1440483	47.172	ug/l	99
41) Methacrylonitrile	6.45	41	392586	53.623	ug/l #	90
42) 1,2-Dichloroethane	7.57	62	735434	47.896	ug/l	99
43) Isopropyl Acetate	9.24	43	423543	54.386	ug/l	98
44) Trichloroethene	8.54	130	524000	44.894	ug/l	99
45) 1,2-Dichloropropane	8.94	63	350483	49.285	ug/l	98
46) Dibromomethane	9.06	93	283503	46.683	ug/l	95
47) Bromodichloromethane	9.38	83	763492	49.012	ug/l	97
48) Methyl methacrylate	9.11	41	257687	48.791	ug/l	96
49) 1,4-Dioxane	9.08	88	41389	880.616	ug/l #	70
51) 4-Methyl-2-Pentanone	10.30	43	1402248	263.141	ug/l	100
52) Toluene	10.51	92	944183	48.004	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	646223	50.832	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	722037	50.369	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	332744	50.082	ug/l	96
56) Ethyl methacrylate	11.04	69	369834	51.285	ug/l	95
57) 1,3-Dichloropropane	11.40	76	516591	51.438	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	1051254	276.128	ug/l	99
59) 2-Hexanone	11.53	43	1039149	267.999	ug/l	99
60) Dibromochloromethane	11.68	129	617990	51.117	ug/l	100
61) 1,2-Dibromoethane	11.81	107	406284	50.513	ug/l	99
64) Tetrachloroethene	11.26	164	514374	50.936	ug/l	96
65) Chlorobenzene	12.40	112	1215404	49.573	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	530979	49.210	ug/l	98
67) Ethyl Benzene	12.53	91	1947804	45.691	ug/l	96
68) m/p-Xylenes	12.66	106	1493146	99.694	ug/l	96
69) o-Xylene	13.05	106	748988	51.958	ug/l	93
70) Styrene	13.07	104	1213244	47.316	ug/l	98
71) Bromoform	13.23	173	397668	53.748	ug/l	97
73) Isopropylbenzene	13.40	105	2055537	47.403	ug/l	100
74) N-amyl acetate	13.26	43	592702	54.449	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	384277	53.391	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	418712	53.515	ug/l	99
77) Bromobenzene	13.67	156	596784	50.357	ug/l	96
78) n-propylbenzene	13.78	91	2411021	47.521	ug/l	99
79) 2-Chlorotoluene	13.83	91	1441267	49.269	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1668140	44.029	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	110782	52.680	ug/l	97
82) 4-Chlorotoluene	13.94	91	1635754	46.501	ug/l	98
83) tert-Butylbenzene	14.19	119	2112240	52.942	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	1712724	48.857	ug/l	98
85) sec-Butylbenzene	14.37	105	2157103	50.911	ug/l	100
86) p-Isopropyltoluene	14.48	119	2053069	50.678	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	1048060	48.891	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	1059889	51.534	ug/l	96
89) n-Butylbenzene	14.80	91	1879617	50.836	ug/l	99
90) Hexachloroethane	15.01	117	537104	52.748	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	925631	50.894	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	68969	50.891	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	728353	54.425	ug/l	95
94) Hexachlorobutadiene	16.04	225	507862	49.793	ug/l	96
95) Naphthalene	16.12	128	1062315	52.378	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	530139	49.046	ug/l	95

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

