

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081519\
 Data File : VD063602.D
 Acq On : 15 Aug 2019 13:28
 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 15 15:49:37 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	1156951	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1692778	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1363710	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	672023	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	562687	45.50	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	91.00%	
35) Dibromofluoromethane	6.92	113	683988	47.98	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	10.40	98	1498701	47.81	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.62%	
62) 4-Bromofluorobenzene	13.55	95	637507	44.87	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	718905	51.361	ug/l	98
3) Chloromethane	1.74	50	548304	50.137	ug/l	95
4) Vinyl Chloride	1.84	62	578462	53.283	ug/l	98
5) Bromomethane	2.14	94	259337	50.626	ug/l	97
6) Chloroethane	2.26	64	254442	51.252	ug/l	99
7) Trichlorofluoromethane	2.53	101	1142161	53.636	ug/l	100
8) Diethyl Ether	2.86	74	153751	51.138	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.14	101	640754	50.958	ug/l	97
10) Methyl Iodide	3.29	142	932151	52.394	ug/l	98
11) Tert butyl alcohol	4.06	59	156666	291.008	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	469301	50.200	ug/l	99
13) Acrolein	3.03	56	126588	238.885	ug/l	95
14) Allyl chloride	3.61	41	742388	52.825	ug/l	96
15) Acrylonitrile	4.18	53	402058	281.952	ug/l	93
16) Acetone	3.22	43	748394	297.696	ug/l	94
17) Carbon Disulfide	3.36	76	1554049	52.671	ug/l	99
18) Methyl Acetate	3.63	43	217170	45.607	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	1077651	57.640	ug/l	95
20) Methylene Chloride	3.80	84	525076	48.302	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	553587	56.272	ug/l	95
22) Diisopropyl ether	5.12	45	1527073	52.657	ug/l	97
23) Vinyl Acetate	5.05	43	4620597	274.066	ug/l	99
24) 1,1-Dichloroethane	4.97	63	964176	53.605	ug/l	98
25) 2-Butanone	6.06	43	683436	275.261	ug/l	97
26) 2,2-Dichloropropane	6.01	77	1023370	57.122	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	581170	53.995	ug/l	88
28) Bromochloromethane	6.42	49	361415	49.578	ug/l	96
29) Tetrahydrofuran	6.44	42	318584	275.365	ug/l	98
30) Chloroform	6.65	83	1165670	52.138	ug/l	94
31) Cyclohexane	6.94	56	606796	54.341	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	1153019	53.913	ug/l	93
36) 1,1-Dichloropropene	7.13	75	786505	52.558	ug/l	98
37) Ethyl Acetate	6.17	43	322656	51.455	ug/l	97
38) Carbon Tetrachloride	7.10	117	1181131	52.371	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	624896	49.108	ug/l	98
40) Benzene	7.44	78	1571537	47.721	ug/l	95
41) Methacrylonitrile	6.43	41	420699	53.284	ug/l	95
42) 1,2-Dichloroethane	7.57	62	812782	49.084	ug/l	99
43) Isopropyl Acetate	9.23	43	447894	53.331	ug/l #	99
44) Trichloroethene	8.53	130	678527	53.906	ug/l	92
45) 1,2-Dichloropropane	8.94	63	412177	53.746	ug/l	99
46) Dibromomethane	9.05	93	327031	49.935	ug/l	97
47) Bromodichloromethane	9.37	83	873503	51.997	ug/l	99
48) Methyl methacrylate	9.11	41	268487	47.140	ug/l	96
49) 1,4-Dioxane	9.07	88	47420	934.026	ug/l #	88
51) 4-Methyl-2-Pentanone	10.29	43	1514282	263.502	ug/l	99
52) Toluene	10.50	92	1069189	50.407	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	742460	54.155	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	782985	50.649	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	378446	52.819	ug/l	96
56) Ethyl methacrylate	11.04	69	397111	51.063	ug/l	98
57) 1,3-Dichloropropane	11.41	76	546319	50.443	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.85	63	1012488	246.607	ug/l	99
59) 2-Hexanone	11.52	43	1166906	279.064	ug/l	100
60) Dibromochloromethane	11.68	129	693957	53.226	ug/l	100
61) 1,2-Dibromoethane	11.80	107	445342	51.343	ug/l	97
64) Tetrachloroethene	11.25	164	546736	51.934	ug/l	93
65) Chlorobenzene	12.39	112	1427133	55.836	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	608165	54.066	ug/l	94
67) Ethyl Benzene	12.52	91	2381668	53.591	ug/l	100
68) m/p-Xylenes	12.67	106	1724781	110.467	ug/l	96
69) o-Xylene	13.05	106	807829	53.757	ug/l	92
70) Styrene	13.07	104	1396316	52.236	ug/l	96
71) Bromoform	13.23	173	434644	56.352	ug/l #	98
73) Isopropylbenzene	13.40	105	2318968	54.252	ug/l	99
74) N-amyl acetate	13.26	43	641776	59.811	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	408353	57.557	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	444367	57.616	ug/l	98
77) Bromobenzene	13.67	156	680317	58.236	ug/l	85
78) n-propylbenzene	13.77	91	2801595	56.018	ug/l	96
79) 2-Chlorotoluene	13.84	91	1619415	56.159	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	1972063	52.803	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	125198	60.396	ug/l	93
82) 4-Chlorotoluene	13.95	91	1815958	52.370	ug/l	91
83) tert-Butylbenzene	14.19	119	2364492	60.122	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1978674	57.260	ug/l	93
85) sec-Butylbenzene	14.36	105	2453061	58.734	ug/l	99
86) p-Isopropyltoluene	14.49	119	2143203	53.668	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	1118646	52.939	ug/l	94
88) 1,4-Dichlorobenzene	14.54	146	1088875	53.710	ug/l	98
89) n-Butylbenzene	14.79	91	2045676	56.127	ug/l	94
90) Hexachloroethane	15.01	117	568937	56.682	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	1002021	55.891	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	78218	58.551	ug/l	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	753727	57.136	ug/l	97
94) Hexachlorobutadiene	16.03	225	566671	56.363	ug/l	98
95) Naphthalene	16.12	128	1086687	54.355	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	614091	57.635	ug/l	99

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

