

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062666.D
 Acq On : 12 Jun 2019 11:12
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 3:11:52 PM

Quant Time: Jun 13 07:30:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	814569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1057504	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	918437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	488116	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	602691	51.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.54%	
35) Dibromofluoromethane	6.91	113	593471	53.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.42%	
50) Toluene-d8	10.41	98	1281266	54.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.22%	
62) 4-Bromofluorobenzene	13.55	95	543190	49.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	403389	42.194	ug/l	98
3) Chloromethane	1.75	50	367087	45.545	ug/l	100
4) Vinyl Chloride	1.84	62	378590	45.552	ug/l	97
5) Bromomethane	2.15	94	183252	43.681	ug/l	99
6) Chloroethane	2.26	64	180519	43.993	ug/l	94
7) Trichlorofluoromethane	2.53	101	801478	43.084	ug/l	98
8) Diethyl Ether	2.86	74	127957	50.573	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.13	101	464909	46.341	ug/l	95
10) Methyl Iodide	3.30	142	559535	39.349	ug/l	98
11) Tert butyl alcohol	4.07	59	128579m	266.124	ug/l	
12) 1,1-Dichloroethene	3.12	96	359617	49.949	ug/l	98
13) Acrolein	3.02	56	38594	248.326	ug/l	94
14) Allyl chloride	3.61	41	522887	47.234	ug/l	92
15) Acrylonitrile	4.18	53	268001	244.097	ug/l	92
16) Acetone	3.21	43	606681	281.866	ug/l	99
17) Carbon Disulfide	3.37	76	1022654	48.201	ug/l	98
18) Methyl Acetate	3.63	43	155544	43.973	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	855774	48.736	ug/l	98
20) Methylene Chloride	3.80	84	364388	44.762	ug/l	90
21) trans-1,2-Dichloroethene	4.20	96	372826	47.209	ug/l	97
22) Diisopropyl ether	5.11	45	1147985	49.943	ug/l	98
23) Vinyl Acetate	5.05	43	3585109	251.407	ug/l	97
24) 1,1-Dichloroethane	4.97	63	690366	46.686	ug/l	99
25) 2-Butanone	6.06	43	564084	268.634	ug/l	96
26) 2,2-Dichloropropane	6.01	77	888908	52.158	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	428081	50.001	ug/l	99
28) Bromochloromethane	6.43	49	286107	50.615	ug/l	94
29) Tetrahydrofuran	6.45	42	228428	241.565	ug/l	99
30) Chloroform	6.65	83	929139	48.973	ug/l	95
31) Cyclohexane	6.94	56	460555	49.650	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	939242	49.752	ug/l	97
36) 1,1-Dichloropropene	7.14	75	599895	49.565	ug/l	96
37) Ethyl Acetate	6.17	43	241784	46.928	ug/l #	93
38) Carbon Tetrachloride	7.10	117	976367m	51.038	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	523536	53.529	ug/l	90
40) Benzene	7.44	78	1166478	49.352	ug/l	100
41) Methacrylonitrile	6.44	41	317988	50.190	ug/l	93
42) 1,2-Dichloroethane	7.57	62	708873	50.317	ug/l	96
43) Isopropyl Acetate	9.23	43	333784	52.267	ug/l	97
44) Trichloroethene	8.53	130	488800	50.940	ug/l	98
45) 1,2-Dichloropropane	8.93	63	296271	52.185	ug/l	99
46) Dibromomethane	9.06	93	267543	53.089	ug/l	93
47) Bromodichloromethane	9.36	83	696064	50.775	ug/l	99
48) Methyl methacrylate	9.12	41	229056	49.648	ug/l #	82
49) 1,4-Dioxane	9.08	88	41375	1002.738	ug/l #	89
51) 4-Methyl-2-Pentanone	10.30	43	1160966	259.811	ug/l	98
52) Toluene	10.50	92	828529	52.148	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	586680	52.197	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	617287	53.138	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	279308	51.262	ug/l	96
56) Ethyl methacrylate	11.04	69	287694	44.309	ug/l	90
57) 1,3-Dichloropropane	11.40	76	417559	49.445	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	590176	202.660	ug/l	97
59) 2-Hexanone	11.53	43	907673	273.071	ug/l	99
60) Dibromochloromethane	11.68	129	558213	51.899	ug/l	97
61) 1,2-Dibromoethane	11.79	107	331674	50.862	ug/l	92
64) Tetrachloroethene	11.25	164	429560	49.963	ug/l	96
65) Chlorobenzene	12.39	112	1034739	50.934	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	491561	50.733	ug/l	99
67) Ethyl Benzene	12.52	91	1829293	50.786	ug/l	99
68) m/p-Xylenes	12.66	106	1280669	101.136	ug/l	98
69) o-Xylene	13.04	106	626672	53.886	ug/l	92
70) Styrene	13.06	104	1053537	50.772	ug/l	99
71) Bromoform	13.23	173	358161	48.289	ug/l	96
73) Isopropylbenzene	13.40	105	1679914	48.828	ug/l	98
74) N-amyl acetate	13.26	43	506291	54.451	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	312661	53.111	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	341373	51.580	ug/l	96
77) Bromobenzene	13.66	156	529201	53.816	ug/l	94
78) n-propylbenzene	13.77	91	2134702	50.689	ug/l	94
79) 2-Chlorotoluene	13.83	91	1247011	50.572	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1533260	50.425	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	91595	46.927	ug/l	94
82) 4-Chlorotoluene	13.94	91	1497913	50.796	ug/l	95
83) tert-Butylbenzene	14.19	119	1903321	56.753	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1694781	56.294	ug/l	98
85) sec-Butylbenzene	14.36	105	1864927	53.031	ug/l	98
86) p-Isopropyltoluene	14.48	119	1752884	51.195	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	891922	50.068	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	898982	53.398	ug/l	97
89) n-Butylbenzene	14.80	91	1614868	52.426	ug/l	96
90) Hexachloroethane	15.00	117	493177	54.560	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	769826	51.986	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	62282	49.530	ug/l #	46

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	584090	46.746	ug/l	99
94) Hexachlorobutadiene	16.04	225	451872	51.684	ug/l	99
95) Naphthalene	16.12	128	814474	46.263	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	449153	52.659	ug/l	97

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

