

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011921\
 Data File : VD068102.D
 Acq On : 19 Jan 2021 20:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 1/20/2021 4:57:06 PM

Quant Time: Jan 20 00:32:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.985	168	475375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	842723	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	778264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	357845	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	232462	51.12	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.24%			
35) Dibromofluoromethane	7.920	113	229498	49.26	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.52%			
50) Toluene-d8	10.344	98	833707	44.74	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 89.48%			
62) 4-Bromofluorobenzene	12.632	95	315670	47.04	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.08%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	260806	46.18	ug/l	98
3) Chloromethane	2.209	50	301193	49.53	ug/l	99
4) Vinyl Chloride	2.350	62	339161	50.14	ug/l	97
5) Bromomethane	2.768	94	233055	50.24	ug/l	99
6) Chloroethane	2.926	64	216278	52.34	ug/l	94
7) Trichlorofluoromethane	3.279	101	422086	47.54	ug/l	98
8) Diethyl Ether	3.715	74	143415	54.86	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.103	101	248019	47.90	ug/l	94
10) Methyl Iodide	4.309	142	282208	48.68	ug/l	94
11) Tert butyl alcohol	5.220	59	141931	381.83	ug/l #	94
12) 1,1-Dichloroethene	4.073	96	247292	47.48	ug/l	91
13) Acrolein	3.926	56	101531	283.32	ug/l	99
14) Allyl chloride	4.720	41	383318	50.60	ug/l	96
15) Acrylonitrile	5.426	53	315754	304.93	ug/l	99
16) Acetone	4.162	43	243013	299.29	ug/l	93
17) Carbon Disulfide	4.414	76	811059	48.35	ug/l	99
18) Methyl Acetate	4.720	43	132009	62.64	ug/l	92
19) Methyl tert-butyl Ether	5.485	73	697324	57.91	ug/l	93
20) Methylene Chloride	4.973	84	313698	55.82	ug/l	89
21) trans-1,2-Dichloroethene	5.473	96	293986	49.17	ug/l	94
22) Diisopropyl ether	6.367	45	822949	53.84	ug/l #	93
23) Vinyl Acetate	6.309	43	2395911	294.03	ug/l	97
24) 1,1-Dichloroethane	6.273	63	505012	50.99	ug/l	99
25) 2-Butanone	7.220	43	380474	311.20	ug/l	99
26) 2,2-Dichloropropane	7.214	77	441260	47.09	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	333010	51.30	ug/l	91
28) Bromochloromethane	7.550	49	180587	53.52	ug/l #	78
29) Tetrahydrofuran	7.567	42	247608	312.42	ug/l	93
30) Chloroform	7.714	83	520612	52.02	ug/l	100
31) Cyclohexane	7.991	56	443442	45.03	ug/l	92
32) 1,1,1-Trichloroethane	7.908	97	442546	49.06	ug/l	95
36) 1,1-Dichloropropene	8.114	75	395972	46.59	ug/l	96
37) Ethyl Acetate	7.297	43	179797	59.81	ug/l	95
38) Carbon Tetrachloride	8.103	117	373586	46.97	ug/l	97
39) Methylcyclohexane	9.361	83	507901	45.71	ug/l	97
40) Benzene	8.355	78	1167236	49.12	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	92833	51.17	ug/l	93
42) 1,2-Dichloroethane	8.426	62	338891	53.38	ug/l	99
43) Isopropyl Acetate	8.455	43	361538	57.71	ug/l	93
44) Trichloroethene	9.114	130	315128	48.29	ug/l	96
45) 1,2-Dichloropropane	9.391	63	295884	50.85	ug/l	98
46) Dibromomethane	9.479	93	161332	54.72	ug/l	93
47) Bromodichloromethane	9.661	83	413696	52.00	ug/l	98
48) Methyl methacrylate	9.461	41	166842	53.51	ug/l	95
49) 1,4-Dioxane	9.461	88	39629	1146.94	ug/l #	85
51) 4-Methyl-2-Pentanone	10.232	43	884254	303.65	ug/l	97
52) Toluene	10.408	92	750737	48.49	ug/l	97
53) t-1,3-Dichloropropene	10.626	75	431212	53.55	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	486419	50.75	ug/l	95
55) 1,1,2-Trichloroethane	10.802	97	227377	54.42	ug/l	94
56) Ethyl methacrylate	10.661	69	312074	56.07	ug/l #	92
57) 1,3-Dichloropropane	10.949	76	392615	53.25	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	695470	270.76	ug/l	92
59) 2-Hexanone	10.985	43	608797	301.59	ug/l	97
60) Dibromochloromethane	11.144	129	280031	53.45	ug/l	100
61) 1,2-Dibromoethane	11.249	107	226476	54.93	ug/l	99
64) Tetrachloroethene	10.879	164	251123	45.78	ug/l	97
65) Chlorobenzene	11.673	112	793028	47.96	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	286268	49.22	ug/l	97
67) Ethyl Benzene	11.743	91	1443037	47.13	ug/l	97
68) m/p-Xylenes	11.855	106	1086813	94.02	ug/l	98
69) o-Xylene	12.179	106	512946	47.78	ug/l	97
70) Styrene	12.196	104	894414	48.81	ug/l	99
71) Bromoform	12.361	173	159369	54.06	ug/l #	99
73) Isopropylbenzene	12.479	105	1358482	45.62	ug/l	100
74) N-amyl acetate	12.291	43	340206	54.97	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.732	83	257126	54.29	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	196677m	56.84	ug/l	
77) Bromobenzene	12.761	156	313012	49.03	ug/l	86
78) n-propylbenzene	12.820	91	1579513	44.84	ug/l	98
79) 2-Chlorotoluene	12.908	91	913264	46.17	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	1134427	45.74	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.532	75	91279	53.38	ug/l	97
82) 4-Chlorotoluene	13.002	91	963479	46.85	ug/l	96
83) tert-Butylbenzene	13.226	119	949155	45.17	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	1144522	46.50	ug/l	100
85) sec-Butylbenzene	13.402	105	1321426	44.96	ug/l	98
86) p-Isopropyltoluene	13.514	119	1198319	44.82	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	584960	47.66	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	577060	47.72	ug/l	99
89) n-Butylbenzene	13.843	91	1148949	44.78	ug/l	99
90) Hexachloroethane	14.114	117	220767	45.71	ug/l	90
91) 1,2-Dichlorobenzene	13.890	146	513919	48.88	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.508	75	43265	55.82	ug/l	84
93) 1,2,4-Trichlorobenzene	15.161	180	347422	48.20	ug/l	98
94) Hexachlorobutadiene	15.267	225	180375	45.14	ug/l	98
95) Naphthalene	15.396	128	716239	53.00	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	305844	50.31	ug/l	98

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

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