

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020921\
 Data File : VD068337.D
 Acq On : 09 Feb 2021 19:02
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/10/2021 10:07:01 AM

Quant Time: Feb 10 00:19:18 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	285573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	509598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	463910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	216249	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	131676	48.20	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.40%		
35) Dibromofluoromethane	7.914	113	137074	48.65	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.30%		
50) Toluene-d8	10.343	98	481486	42.73	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	85.46%		
62) 4-Bromofluorobenzene	12.632	95	178686	44.03	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.06%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	143247	42.23	ug/l	99
3) Chloromethane	2.209	50	181139	49.58	ug/l	96
4) Vinyl Chloride	2.350	62	214710	52.84	ug/l	99
5) Bromomethane	2.773	94	154784	55.55	ug/l	99
6) Chloroethane	2.926	64	144640	58.27	ug/l	96
7) Trichlorofluoromethane	3.279	101	256229	48.04	ug/l	100
8) Diethyl Ether	3.708	74	85801	54.64	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.103	101	157418	50.61	ug/l	94
10) Methyl Iodide	4.303	142	178156	50.99	ug/l	93
11) Tert butyl alcohol	5.214	59	49492	184.81	ug/l	99
12) 1,1-Dichloroethene	4.073	96	156789	50.11	ug/l	97
13) Acrolein	3.926	56	43224	200.78	ug/l	95
14) Allyl chloride	4.714	41	218905	48.10	ug/l	97
15) Acrylonitrile	5.426	53	176028	282.98	ug/l	99
16) Acetone	4.161	43	117106	240.08	ug/l	97
17) Carbon Disulfide	4.414	76	465300	46.18	ug/l	98
18) Methyl Acetate	4.720	43	75799	59.87	ug/l	94
19) Methyl tert-butyl Ether	5.485	73	385536	53.30	ug/l	93
20) Methylene Chloride	4.973	84	201094	59.86	ug/l	91
21) trans-1,2-Dichloroethene	5.479	96	185178	51.56	ug/l	96
22) Diisopropyl ether	6.361	45	501878	54.65	ug/l	95
23) Vinyl Acetate	6.308	43	1311378	267.90	ug/l	97
24) 1,1-Dichloroethane	6.267	63	331934	55.78	ug/l	98
25) 2-Butanone	7.214	43	193910	264.02	ug/l	97
26) 2,2-Dichloropropane	7.214	77	265030	47.08	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	220587	56.57	ug/l	97
28) Bromochloromethane	7.549	49	106323	52.45	ug/l #	77
29) Tetrahydrofuran	7.561	42	125338	263.25	ug/l	98
30) Chloroform	7.714	83	342218	56.92	ug/l	99
31) Cyclohexane	7.991	56	260615	44.06	ug/l	91
32) 1,1,1-Trichloroethane	7.908	97	285512	52.69	ug/l	96
36) 1,1-Dichloropropene	8.114	75	254896	49.60	ug/l	95
37) Ethyl Acetate	7.297	43	92908	51.11	ug/l	97
38) Carbon Tetrachloride	8.096	117	238824	49.65	ug/l	97
39) Methylcyclohexane	9.355	83	301876	44.93	ug/l	98
40) Benzene	8.355	78	761614	53.00	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	51695	47.12	ug/l	96
42) 1,2-Dichloroethane	8.426	62	205086	53.42	ug/l	99
43) Isopropyl Acetate	8.455	43	186011	49.10	ug/l	97
44) Trichloroethene	9.114	130	199235	50.49	ug/l	96
45) 1,2-Dichloropropane	9.390	63	189232	53.78	ug/l	93
46) Dibromomethane	9.479	93	100486	56.36	ug/l	93
47) Bromodichloromethane	9.667	83	266108	55.32	ug/l	99
48) Methyl methacrylate	9.455	41	85981	45.60	ug/l #	86
49) 1,4-Dioxane	9.461	88	21311	1019.98	ug/l	92
51) 4-Methyl-2-Pentanone	10.232	43	460281	261.38	ug/l	98
52) Toluene	10.408	92	489410	52.28	ug/l	95
53) t-1,3-Dichloropropene	10.620	75	249872	51.32	ug/l	99
54) cis-1,3-Dichloropropene	10.090	75	295063	50.91	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	140968	55.79	ug/l	95
56) Ethyl methacrylate	10.661	69	168650	50.11	ug/l #	94
57) 1,3-Dichloropropane	10.949	76	245314	55.02	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.943	63	437794	281.86	ug/l	92
59) 2-Hexanone	10.985	43	307822	252.18	ug/l	100
60) Dibromochloromethane	11.143	129	170980	53.97	ug/l	97
61) 1,2-Dibromoethane	11.249	107	132206	53.03	ug/l	98
64) Tetrachloroethene	10.879	164	158472	48.47	ug/l	96
65) Chlorobenzene	11.673	112	514123	52.16	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	185896	53.62	ug/l	98
67) Ethyl Benzene	11.743	91	939809	51.49	ug/l	99
68) m/p-Xylenes	11.855	106	710195	103.07	ug/l	99
69) o-Xylene	12.184	106	332756	52.00	ug/l	97
70) Styrene	12.196	104	579757	53.08	ug/l	99
71) Bromoform	12.361	173	92819	52.82	ug/l #	98
73) Isopropylbenzene	12.479	105	890526	49.49	ug/l	99
74) N-amyl acetate	12.290	43	167023	44.66	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	155290	54.26	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	112434m	53.77	ug/l	
77) Bromobenzene	12.761	156	196520	50.94	ug/l	89
78) n-propylbenzene	12.820	91	1056955	49.65	ug/l	97
79) 2-Chlorotoluene	12.908	91	592264	49.55	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	740526	49.41	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.532	75	45954	44.47	ug/l	96
82) 4-Chlorotoluene	13.002	91	623382	50.16	ug/l	97
83) tert-Butylbenzene	13.226	119	622837	49.05	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	734152	49.35	ug/l	98
85) sec-Butylbenzene	13.402	105	864163	48.65	ug/l	99
86) p-Isopropyltoluene	13.514	119	775363	47.99	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	377052	50.83	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	374692	51.27	ug/l	99
89) n-Butylbenzene	13.843	91	751674	48.48	ug/l	97
90) Hexachloroethane	14.108	117	143152	49.05	ug/l	86
91) 1,2-Dichlorobenzene	13.890	146	326200	51.34	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.508	75	22587	48.22	ug/l	83
93) 1,2,4-Trichlorobenzene	15.161	180	213721	49.07	ug/l	97
94) Hexachlorobutadiene	15.267	225	114235	47.31	ug/l	98
95) Naphthalene	15.396	128	415249	50.85	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	186728	50.83	ug/l	98

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

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