



Synthetic Organic Contaminant Report

I. PWS INFORMATION: Please refer to your DEP Water Quality Sampling Schedule (WQSS) to help complete this form

PWS ID #: 1113000

City / Town: Gt. Barrington

PWS Name: Great Barrington Fire District

PWS Class: COM [X] NTNC [ ] TNC [ ]

DEP LOCATION (LOC) ID#	DEP Location Name	Sample Information <small>*Please note all samples are considered representative of finished water if there is no treatment applied</small>	Date Collected	Collected By
10000	Point of Entry Post Green River PH 01G	(M)ultiple <input type="checkbox"/> (R)aw <input type="checkbox"/> (S)ingle <input checked="" type="checkbox"/> (F)inished <input checked="" type="checkbox"/>	01/09/2024	Erick Bartlett

Routine or Special Sample <input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	Original, Resubmitted or Confirmation Report <input type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	If Resubmitted, list below	
		(1) Reason for Resubmission <input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction	(2) Collection Date of Original Sample

SAMPLE NOTES - (Such as, if a Manifold/Multiple sample, list the sources that were on-line during sample collection).

II. ANALYTICAL LABORATORY INFORMATION

Primary Lab MA Cert. #: M-MA1146 Primary Lab Name: Microbac Laboratories, Inc., Lee Subcontract? (Y/N) Y

Analytical Methods (List All)	Date Extracted	Date Analyzed	Analysis Lab MA Cert#	Analysis Lab Name	Lab Sample ID#
EPA 504.1, Rv. 1.1 (1995)	01/17/2024	01/17/2024	M-CT008	Microbac Laboratories, Inc. - Dayville	E4A0174-01
EPA 505, Rv. 2.1 (1995)	01/11/2024	01/11/2024	M-CT008	Microbac Laboratories, Inc. - Dayville	E4A0174-01
EPA 515.3, Rv. 1 (1996)	01/15/2024	01/15/2024	M-CT008	Microbac Laboratories, Inc. - Dayville	E4A0174-01
EPA 525.2, Rv. 2 (1995)	01/15/2024	01/16/2024	M-CT008	Microbac Laboratories, Inc. - Dayville	E4A0174-01
EPA 531.2, Rv. 1 (2001)	01/11/2024	01/11/2024	M-CT008	Microbac Laboratories, Inc. - Dayville	E4A0174-01

Was this Sample Composited by the Lab?	COMPOSITE SAMPLE NOTES <small>List the composited sources by DEP Source Code (XXXXX-XXX), up to five individual sources per sample.</small>
Yes <input type="checkbox"/>	

Lab Analysis Comments	Result Qualifier	Result Qualifier Description
	Y	This analyte is not on the laboratory's current scope of accreditation.
	Y1	Accreditation is not offered by the accrediting body for this analyte.

CAS#	SOC Regulated Contaminants	Result $\mu\text{g/L}$	Result Qualifier	MCL $\mu\text{g/L}$	MDL $\mu\text{g/L}$	MRL $\mu\text{g/L}$	Dilution Factor	Analytical Method
1563-66-2	CARBOFURAN	ND		40	0.0643	0.900	1.00	EPA 531.2, Rv. 1 (2001)
23135-22-0	OXAMYL (VYDATE)	ND		200	0.0480	1.00	1.00	EPA 531.2, Rv. 1 (2001)
97-75-7	2,4-D	ND		70	0.0790	0.100	1.00	EPA 515.3, Rv. 1 (1996)
93-72-1	2,4,5-TP (SILVEX)	ND		50	0.0820	0.200	1.00	EPA 515.3, Rv. 1 (1996)
75-99-0	DALAPON	ND		200	0.459	1.00	1.00	EPA 515.3, Rv. 1 (1996)
88-85-7	DINOSEB	ND		7	0.149	0.200	1.00	EPA 515.3, Rv. 1 (1996)
1918-02-1	PICLORAM	ND		500	0.0570	0.100	1.00	EPA 515.3, Rv. 1 (1996)
87-86-5	PENTACHLOROPHENOL	ND		1	0.0250	0.0400	1.00	EPA 515.3, Rv. 1 (1996)
15972-60-8	ALACHLOR	ND		2	0.019	0.194	1.00	EPA 525.2, Rv. 2 (1995)
1912-24-9	ATRAZINE	ND		3	0.010	0.097	1.00	EPA 525.2, Rv. 2 (1995)
72-20-8	ENDRIN	ND		2	0.00400	0.0100	1.00	EPA 505, Rv. 2.1 (1995)
76-44-8	HEPTACHLOR	ND		0.4	0.019	0.039	1.00	EPA 525.2, Rv. 2 (1995)
1024-57-3	HEPTACHLOR EPOXIDE	ND		0.2	0.019	0.019	1.00	EPA 525.2, Rv. 2 (1995)
58-89-9	LINDANE	ND		0.2	0.010	0.019	1.00	EPA 525.2, Rv. 2 (1995)
72-43-5	METHOXYCHLOR	ND		40	0.010	0.097	1.00	EPA 525.2, Rv. 2 (1995)
118-74-1	HEXACHLOROBENZENE	ND		1	0.019	0.097	1.00	EPA 525.2, Rv. 2 (1995)
77-47-4	HEXACHLOROCYCLOPENTADIENE	ND		50	0.019	0.097	1.00	EPA 525.2, Rv. 2 (1995)
122-34-9	SIMAZINE	ND		4		0.068	1.00	EPA 525.2, Rv. 2 (1995)
50-32-8	BENZO(A)PYRENE	ND		0.2	0.010	0.019	1.00	EPA 525.2, Rv. 2 (1995)
70147-21-6	DI(2-ETHYLHEXYL)ADIPATE	ND		400	0.126	0.583	1.00	EPA 525.2, Rv. 2 (1995)
117-81-7	DI(2-ETHYLHEXYL)PHTHALATE	ND		6	0.476	0.583	1.00	EPA 525.2, Rv. 2 (1995)
12789-03-6	CHLORDANE	ND		2	0.0390	0.200	1.00	EPA 505, Rv. 2.1 (1995)
8001-35-2	TOXAPHENE	ND		3	0.420	1.00	1.00	EPA 505, Rv. 2.1 (1995)
12674-11-2	PCB AROCLOR 1016	ND			0.0340	0.0800	1.00	EPA 505, Rv. 2.1 (1995)



Synthetic Organic Contaminant Report

PWS ID #: 1113000

Lab Sample ID#: E4A0174-01

CAS#	SOC Regulated Contaminants	Result µg/L	Result Qualifier	MCL µg/L	MDL µg/L	MRL µg/L	Dilution Factor	Analytical Method
11104-28-2	PCB AROCLOR 1221	ND			4.14	20.0	1.00	EPA 505, Rv. 2.1 (1995)
11141-16-5	PCB AROCLOR 1232	ND			0.0820	0.500	1.00	EPA 505, Rv. 2.1 (1995)
53469-21-9	PCB AROCLOR 1242	ND			0.0530	0.300	1.00	EPA 505, Rv. 2.1 (1995)
12672-29-6	PCB AROCLOR 1248	ND			0.0530	0.100	1.00	EPA 505, Rv. 2.1 (1995)
11097-69-1	PCB AROCLOR 1254	ND			0.0170	0.100	1.00	EPA 505, Rv. 2.1 (1995)
11096-82-5	PCB AROCLOR 1260	ND			0.0340	0.200	1.00	EPA 505, Rv. 2.1 (1995)
96-12-8	DIBROMOCHLOROPROPANE	ND		0.2	0.00376	0.00941	1.00	EPA 504.1, Rv. 1.1 (1995)
106-93-4	ETHYLENE DIBROMIDE (EDB)	ND		0.02	0.00376	0.00941	1.00	EPA 504.1, Rv. 1.1 (1995)

CAS#	SOC Un-Regulated Contaminants	Result µg/L	Result Qualifier	ORSG µg/L	MDL µg/L	MRL µg/L	Dilution Factor	Analytical Method
116-06-3	ALDICARB	ND		3*	0.0627	0.500	1.00	EPA 531.2, Rv. 1 (2001)
1646-88-4	ALDICARB SULFONE	ND		2*	0.0477	0.800	1.00	EPA 531.2, Rv. 1 (2001)
1646-87-3	ALDICARB SULFOXIDE	ND		4*	0.0698	0.500	1.00	EPA 531.2, Rv. 1 (2001)
63-25-2	CARBARYL	ND	Y		0.0435	0.500	1.00	EPA 531.2, Rv. 1 (2001)
16655-82-6	3-HYDROXYCARBOFURAN	ND	Y1		0.0417	0.500	1.00	EPA 531.2, Rv. 1 (2001)
16752-77-5	METHOMYL	ND	Y		0.0363	0.500	1.00	EPA 531.2, Rv. 1 (2001)
1918-00-9	DICAMBA	ND	Y		0.0500	0.100	1.00	EPA 515.3, Rv. 1 (1996)
309-00-2	ALDRIN	ND	Y1		0.019	0.097	1.00	EPA 525.2, Rv. 2 (1995)
23184-66-9	BUTACHLOR	ND	Y1		0.010	0.097	1.00	EPA 525.2, Rv. 2 (1995)
60-57-1	DIELDRIN	ND	Y1		0.00600	0.0400	1.00	EPA 505, Rv. 2.1 (1995)
51218-45-2	METOLACHLOR	ND	Y1		0.010	0.097	1.00	EPA 525.2, Rv. 2 (1995)
21087-64-9	METRIBUZIN	ND	Y1		0.010	0.097	1.00	EPA 525.2, Rv. 2 (1995)
1918-16-7	PROPACHLOR	ND	Y			0.097	1.00	EPA 525.2, Rv. 2 (1995)

\* No MCL, however the MassDEP Office of Research and Standards has established a guideline (ORSG) limit for this contaminant.

Method	Surrogate Name	% Recovery (70 - 130%)
EPA 531.2, Rv. 1 (2C)	4-Bromo-3,5-dimethylphenyl-N-methylcarbamate	99.7
EPA 525.2, Rv. 2 (1E)	1,3-Dimethyl-2-nitrobenzene	98.5
EPA 504.1, Rv. 1.1 (1E)	Tetrachloro-m-xylene	104
EPA 525.2, Rv. 2 (1E)	Triphenyl phosphate	128

Method	Surrogate Name	% Recovery (70 - 130%)
EPA 515.3, Rv. 1 (1E)	2,4-Dichlorophenylacetic acid [2C]	94.7
EPA 505, Rv. 2.1 (1E)	Tetrachloro-m-xylene	80.5
EPA 525.2, Rv. 2 (1E)	Pyrene-d10	114

I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge

Primary Lab Director Signature:

Date: 1/18/2024

In accordance with 310 CMR 22.15(2), if mailing paper reports, TWO copies of this report must be received by your MassDEP Regional Office no later than 10 days after the end of the month in which the results are received or no later than 10 days after the end of the monitoring period, whichever is sooner. Please note: Electronic reporting (eDEP) deadline is the same as above.

DEP REVIEW STATUS (Initial & Date)	Review Comments	<input type="checkbox"/> WQTS Data Entered
<input type="checkbox"/> Accepted <input type="checkbox"/> Disapproved		