

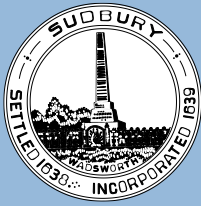
SUDBURY BOARD OF SELECTMEN
TUESDAY FEBRUARY 6, 2018
7:00 PM, TOWN HALL - LOWER LEVEL

Item #	Time	Action	Item
	7:00 PM		CALL TO ORDER
			Opening remarks by Chairman
			Reports from Town Manager
			Reports from Selectmen
			Citizen's comments on items not on agenda
MISCELLANEOUS			
1.			Discussion with L-S School Committee regarding athletic field fees.
2.			Presentation of environmental report by GeoInsight. Michael Webster to attend.
3.			Discussion regarding next steps on Melone property
4.			Capital Planning Discussion
5.			Share report from Fairbank Task Force
6.		<i>VOTE</i>	Vote to accept ATM articles submitted by 1/31/18, vote on order of articles, take positions on articles, and designate articles for the consent calendar. Also vote to refer any Zoning Bylaw amendments and street acceptance articles to the Planning Board.
7.			Discussion of report of the School District Administrative and Structural Options Subcommittee
8.		<i>VOTE</i>	Vote whether to reappoint Lydia Pastuszek and Andrew Kaye to the Sudbury Housing Trust effective 5/1/17 for a term to expire 4/30/19.
9.			Discuss topics to be assigned for the Winter 2018 Board of Selectmen Newsletter.
10.			Citizen's Comments (cont)

These agenda items are those reasonably anticipated by the Chair which may be discussed at the meeting. Not all items listed may in fact be discussed and other items not listed may also be brought up for discussion to the extent permitted by law.

Item #	Time	Action	Item
11.			Discuss Upcoming Agenda Items
CONSENT CALENDAR			
12.		<i>VOTE</i>	Approve regular session minutes of 1/9/18.
13.		<i>VOTE</i>	Vote to approve the Selectmen's submission to the 2017 Annual Town Report.

These agenda items are those reasonably anticipated by the Chair which may be discussed at the meeting. Not all items listed may in fact be discussed and other items not listed may also be brought up for discussion to the extent permitted by law.



SUDBURY BOARD OF SELECTMEN
Tuesday, February 6, 2018

1

MISCELLANEOUS (UNTIMED)

1: Field fees with LS

REQUESTOR SECTION

Date of request:

Requested by: Patty Golden

Formal Title: Discussion with L-S School Committee regarding athletic field fees.

Recommendations/Suggested Motion/Vote: Discussion with L-S School Committee regarding athletic field fees.

Background Information:
attached documents

Financial impact expected:

Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Barbara Saint Andre	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

02/06/2018 7:00 PM

From the presentation of Article 5 at Sudbury October 2016 Town Meeting

Users

L-S girls and boys soccer

L-S girls and boys lacrosse (and other spring sports before snow melt)

L-S field hockey

Town Youth Sports (Sudbury Youth Football, Sudbury Youth Soccer, Lincoln Youth Soccer, LS Boys Youth lacrosse, Sudbury Girls Youth Lacrosse)

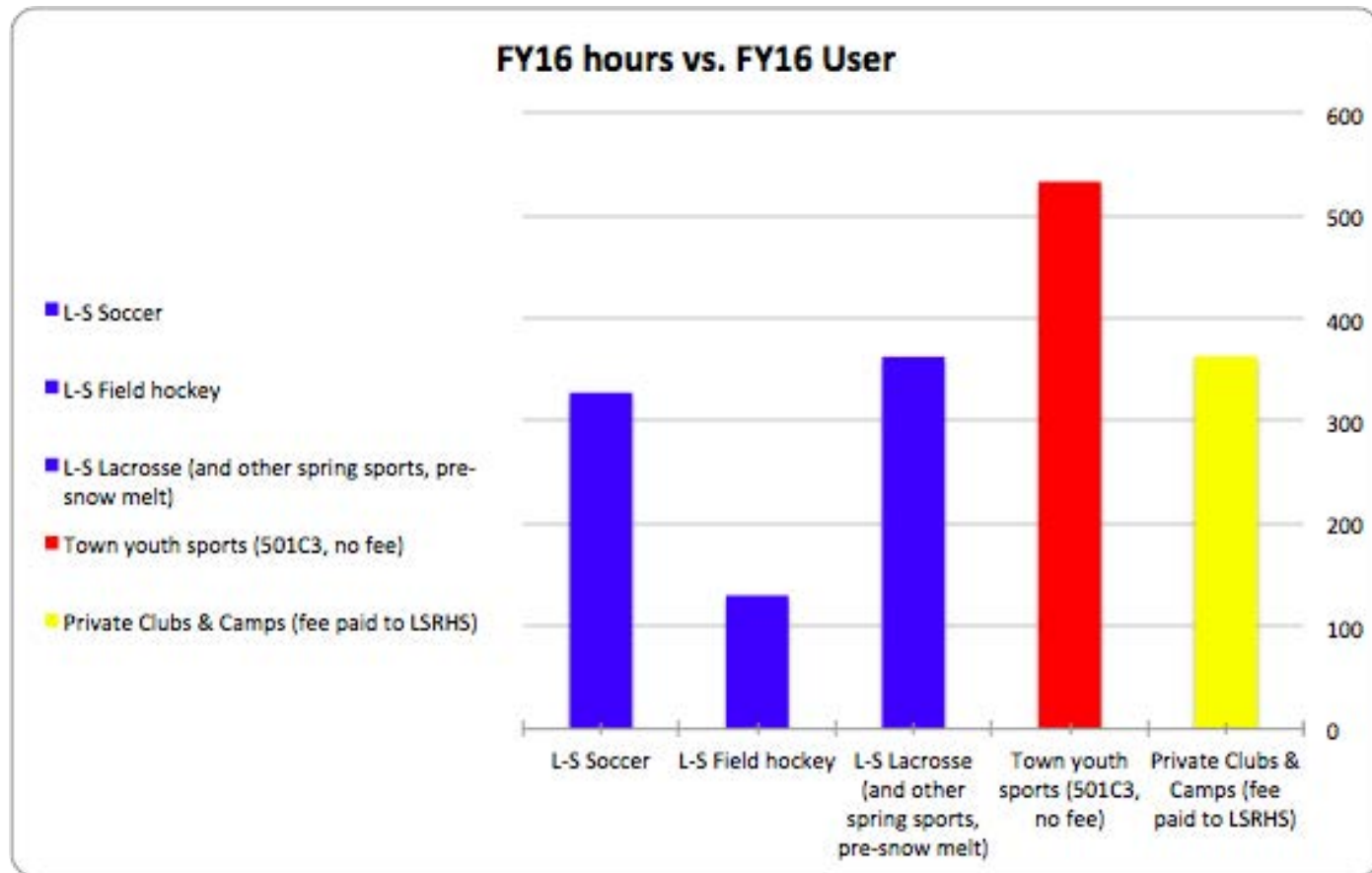
Private renters* (Federation Lacrosse, REAL Field Hockey Camp, DCL Soccer Pre-Season Camp, Flag Football, Girls Youth Lacrosse Jamboree, Youth Soccer Tournaments, Boys youth Lacrosse Jamboree)

It is the most highly used capital asset by LS and town youth.

Only private users are assessed a fee

Use data FY16

1716 hours



INTER- MUNICIPAL AGREEMENT – L-S COMMUNITY FIELD

This Inter-Municipal Agreement (the "Agreement") is entered into pursuant to M.G.L. c. 40, § 4A, on the last day of execution below, by, between and among the **TOWN OF SUDBURY**, a municipal corporation, having its principal office at The Flynn Building, 278 Old Sudbury Road, Sudbury, MA 01776 (the "Town") and the **LINCOLN-SUDBURY REGIONAL SCHOOL DISTRICT**, a regional school district created under M.G.L. c. 71, §§ 15, *et seq.*, having its principal office at 390 Lincoln Road, Sudbury MA 01776 (the "District").

This Agreement is with respect to the financing, construction, maintenance and use of the field previously known as the LS football field, which is owned by the District and is located on the District's Central Campus adjacent to the Lincoln-Sudbury Regional High School. This natural turf football field has dimensions, which are smaller than required for other sports. Its surface is regularly destroyed after only 20-25 events in a normal sports season; therefore its use is severely restricted by factors that make it unplayable. Because of these conditions, the District has seldom been able to make this field available either to students or to the Town and the community for recreational activities. In addition, the Town of Sudbury has a critical need for new recreational resources to serve its youth and adult populations.

The District and the Town propose to create a new and expanded multi-use, recreation space at the site of the LS football field, which facility will be known as the L-S Community Field including without limitation the following elements (the "L-S Community Field Project"):

1. Remove the existing surfaces at the L-S Community Field and remove at least 18" of subsurface material;
2. Install new subsurface materials, new drainage and a complete new artificial turf system.
3. Expand the playing field surface to better accommodate accurate field measurements for a variety of sports.

4. The L-S Community Field will be permanently lined for football, soccer, girls lacrosse and boys lacrosse.
5. Install removable goal posts.
6. Relocate certain track and field pits.
7. Install a new running/walking track that will surround the new artificial turf multi-purpose field.
8. Significantly expand the amount and range of uses, users and hours of usage.

The District and the Town propose to finance the L-S Community Field Project with funding from three sources: Privately Raised Funds; District Funds; and Town Community Preservation Act Funds ("CPA Funds") of \$960,000.00. Under G.L. c. 44B, § 5, CPA Funds can be used for "the acquisition, creation and preservation of open space," where "open space is defined under G.L. c. 44B, § 2, to include, "land for recreational use," and "recreational use" is defined under G.L. c. 44B, § 2, to include "youth and adult sports, and the use of land as a park, playground or athletic field." This agreement will ensure a policy and procedure by which the L-S Community Field will be shared by both the District and the Town of Sudbury.

NOW THEREFORE, for adequate consideration the receipt and sufficiency of which are hereby acknowledged, the Town and the District agree as follows:

1. CONSTRUCTION OF THE L-S COMMUNITY FIELD PROJECT

Subject to the terms and conditions of this Agreement, on or before December 31, 2007, the District shall perform all work necessary and appropriate for the design, bidding, permitting, construction, landscaping and other related activities for the completion of the L-S Community Field Project (the "Work"). Once the Work is completed on the L-S Community Field Project for purposes of this Agreement the field shall be referred to as the "L-S Community Field."

2. FUNDING OF THE L-S COMMUNITY FIELD PROJECT

The estimated cost of the Work is \$1,700,000 (the "Estimated Project Cost"). The District agrees to accept private funds and expend these funds toward the Work. Upon (a) commitment to

pay and/or payment to and acceptance by the District of Private Funds, inclusive of any in-kind contributions, (b) completion of the design, bidding, and (if required) permitting of the L-S Community Field Project, and (c) issuance by the District of the contracts for the construction of the L-S Community Field Project, the Town shall pay to the District CPA Funds equal to \$960,000 towards the cost of permitting, design and construction of the Work. The District shall accept and expend said CPA Funds solely for the purpose of performing the Work on the L-S Community Field Project.

The District shall complete the Work using the Private Funds, the CPA Funds, and additional District Funds raised and appropriated and/or borrowed by the District for that purpose. The District shall pay all costs over and above the Private Funds and the CPA Funds necessary to complete the Work, including without limitation any cost overruns relating to the L-S Community Field Project.

3. USE OF THE L-S COMMUNITY FIELD

In return for its contribution of CPA Funds to the L-S Community Field Project, this Agreement provides throughout its Term and subject to the terms hereof for guaranteed access for the Town and Town-approved community groups (those approved by the Park & Recreation Commission) to use the L-S Community Field. The L-S Community Field will be one of several fields in the overall town field inventory that the Director of Park and Recreation can allocate as needed. Town-approved user groups who use The L-S Community Field will pay regular seasonal park and recreation fees. Town-affiliated user groups will use these fields for sports practices, sports events and other recreational activities such as Town sports leagues, instructional sports clinics, summer sports camps, tournaments, and the like. This Agreement also permits the District to expand its use of the L-S Community Field for school related sports practices and events and other recreational extracurricular activities (compared to the limited use the existing facility provides.)

To minimize potential conflicts over the use of the L-S Community Field and to maximize the efficient and appropriate allocation of time slots (including prime afternoon, evening and weekend time slots), the Town and the District agree that throughout the Term of this Agreement, the Rules of Priority, attached as Exhibit 1, shall be used to allocate shared use of the L-S Community Field between the Town and the District. The Rules of Priority may be altered or amended from time to time by agreement of the District Superintendent/Principal and the Town Manager or their respective designees.

Throughout the Term of this Agreement, the Field Reservation Rules and Regulations, attached as Exhibit 2, shall govern the use of the L-S Community Field. Groups from outside of the Town and the District may be allowed to use the L-S Community Field, on a space available basis for the applicable fees. The Field Reservation Rules and Regulations may be altered or amended from time to time by agreement of the District Superintendent/Principal and the Town Manager or their respective designees.

The Town and the District agree that, upon completion of construction of the L-S Community Field Project in accordance with this Agreement, and during the Term of this Agreement, the L-S Community Field as provided herein will remain accessible and used as a playing field. Any further construction or reconstruction of the playing field, bleachers and surrounding structures or spaces may be conducted to enhance the use and accessibility to the L-S Community Field. Any such construction or reconstruction shall be planned and performed in such a way as to minimize its impact upon the regular use of the facility by the Town and the District and shall not be planned and performed without prior notice and consultation between the District and the Town.

4. TERM

This Agreement commences upon its execution and signing on behalf of the Town and the District. The Term of this Agreement shall be as long as there continues to be recreational sport

activities played on the L-S Community Field by either the District or the Town. Upon payment by the Town of the CPA Funds hereunder, this Agreement shall guarantee the Town's irrevocable right to use the L-S Community Field in accordance with this Agreement during its Term subject to interruptions in such use as provided herein.

5. MAINTENANCE OF THE L-S COMMUNITY FIELD

During the Term of this Agreement and subject to appropriation of funds for such purpose, the District shall perform all actions necessary to operate, patrol, inspect and perform routine maintenance and repairs to the L-S Community Field in its state-of-the-art playing condition, reasonable wear and tear excepted. Without limitation, but subject to appropriations, the District shall perform all actions necessary to install and remove goal posts, secure soccer and lacrosse nets and other ordinary and necessary maintenance activities to permit the safe and efficient use of the field for the purposes of this Agreement. It is understood that such repair, maintenance and replacement of the field surfaces and other improvements may interrupt or disrupt, during the period of time while such activities occur, the use of the L-S Community Field. Except for emergency situations or events which jeopardize public safety, there shall be no interruption of use of the L-S Community Field without prior notice and consultation between the District and the Town.

Revenue generated from field rental fees for use of the L-S Community Field by groups other than the District and Town approved user groups, shall be paid to the District and maintained in a newly created LSRHS L-S Community Field Revolving Fund. Monies in the Revolving Fund are to be used only for the extraordinary, non-routine maintenance, extraordinary repairs, improvements and enhancements of the L-S Community Field. Expenditure of funds from this Revolving Fund shall be subject to prior approval by both the LSRHS School Committee and the Sudbury Board of Selectmen.

Attachment 1.b: 01. L-S Community Field - IMA (2017 : Field fees with LS)

The District shall maintain accurate and comprehensive records of all revenue received from L-S Community Field rental fees pursuant to this Agreement; and shall cause such records to be audited as part of the regular audits of the Town's records.

6. MAXIMUM FINANCIAL LIABILITY

The maximum financial liability of the Town and the District under this Agreement shall be as specified in the respective votes of the Sudbury Town Meeting and the District School Committee to authorize this Agreement. To satisfy their respective obligations under this Agreement, the Town and the District, when duly authorized to do so in accordance with the provisions of applicable law, may raise money by any lawful means.

7. FINANCIAL SAFEGUARDS

The Town and the District agree that the following financial safeguards shall apply to this Agreement and shall be sufficient for all purposes.

Until the completion of construction of the L-S Community Field Project, acceptance of the Work by the District, and payment of all contractors and subcontractors with respect thereto:

- The District shall maintain accurate and comprehensive records of services performed, costs incurred, and reimbursements and contributions made and received in connection with this Agreement; shall require that all bills and payrolls submitted for work done under this Agreement shall be plainly marked to indicate that the work was done under authority hereof; shall provide an annual financial report with respect thereto to the Town if required by law; and shall cause such records to be audited as part of the regular audits of the District's such records; and
- The Town shall maintain accurate and comprehensive records of all CPA Funds appropriated and expended pursuant to this Agreement; and shall cause such records to be audited as part of the regular audits of the Town's records.

Thereafter, during the Term of this Agreement, the Town and the District shall maintain

accurate financial records of any revenues and expenses associated with this Agreement; and shall cause these records to be audited as part of the regular audits of their respective financial records.

The amount of CPA Funds and other contributions received by the District and/or any reimbursement made by the District under this Agreement shall be accounted for on its books pursuant to General Laws Chapter 40, Section 4A, and /or Chapter 44, Section 53A, as applicable.

All records kept by the Town in regard to the expenditure of CPA funds related to this project, and all records kept by the District in regard to the expenditure of said funds, shall be available for inspection upon request.

8. INSURANCE.

During the Term of this Agreement, the District will list the L-S Community Field on the District's schedule of insured properties for its property and liability policies. The District shall cause the Town to be named as an additional insured on the District's liability insurance arising out of its interest in the L-S Community Field property under this Agreement. During the Term of this Agreement, the Town will list the L-S Community Field on the Town's schedule of insured properties for its property and liability policies. The Town shall cause the District to be named as an additional insured on the Town's liability insurance with respect to the L-S Community Field.

9. CERTAIN OPERATIONAL MATTERS.

Any necessary permits or licenses needed to use the L-S Community Field by any person or entity shall be obtained by the persons or entities intending to use the field and copies shall be provided to the Town and the District. The Town, the District and any person or entity using the L-S Community Field shall not make any alterations to such field. To the extent any large scale or unusual use (as reasonably determined by either the Town or the District) of the L-S Community Field is contemplated by any person or entity, the District and/or the Town shall have the right to



require a police presence and/or that custodial or other similar services be provided and in each case paid for by such users with respect to such use. The payment of police details, custodial services, field and track lighting, and other complimentary services will be paid for by L-S Community Field Users.

10. SOVEREIGN IMMUNITY.

It is expressly understood and agreed, and all users of the L-S Community Field shall be advised, that the use of such field by any persons or entities other than District activities are undertaken by and pursuant to the Town's authority to promote and allow recreational use of public facilities and further that each of the District and the Town have sovereign immunity and statutory immunity as provided under Massachusetts law with respect to any use of the L-S Community Field and ancillary District property such as access ways, the parking areas and the like.

11. MISCELLANEOUS.

(a) **Amendment/Waiver.** This Agreement cannot be amended, modified or revised unless done in writing and signed by an authorized agent of the District and an authorized agent of the Town. No provision may be waived except in a writing signed by both parties.

(b) **Bind and Benefit.** The terms and conditions contained in this Agreement will run with the L-S Community Field Property and bind and inure to the benefit of the parties, their respective heirs, executors, administrators, successors and assigns.

(c) **Entire Agreement.** This Agreement and the exhibits attached hereto, all being a part hereof, constitute the entire agreement of the parties hereto and will supersede all prior offers, negotiations and agreements with respect to the subject matter of this Agreement.

(d) **Governing Law.** The laws of the Commonwealth of Massachusetts will govern this Agreement.

(e) **No Transfers.** Neither the Regional School District nor the Town may transfer or assign this Agreement or its rights hereunder.

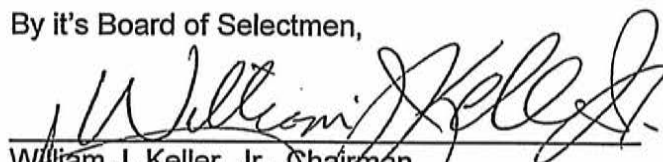
(f) **Extraordinary Repairs, Alterations, and Improvements.** Extraordinary repairs, alterations, or improvements will not be planned without consultation between the Town and the District and shall not be performed without the approval of both the LSRHS School Committee and the Sudbury Board of Selectmen.

(g) **Notices and Actions.** Unless otherwise specifically provided in this Agreement, any and all notices to or actions by the District and the Town shall be given to or undertaken by the District Superintendent/Principal on behalf of the District and the Town Manager on behalf of the Town, or their respective designees.

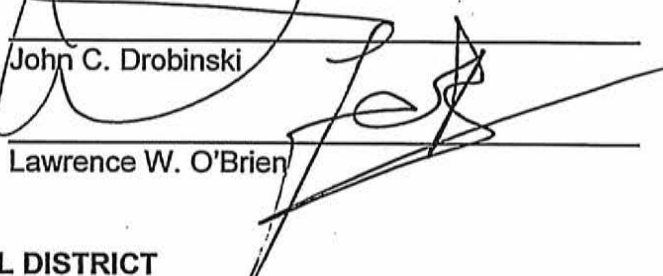
IN WITNESS WHEREOF, the parties have executed this Inter-Municipal Agreement this 19th
day of December, 2006.

TOWN OF SUDBURY, MASSACHUSETTS,

By it's Board of Selectmen,

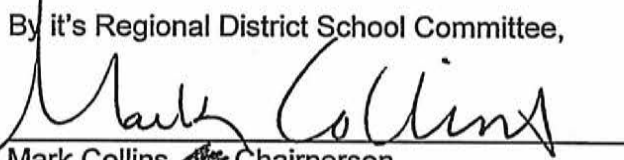

William J. Keller, Jr., Chairman


John C. Drobinski

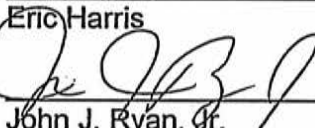

Lawrence W. O'Brien

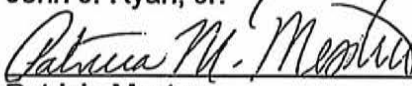
LINCOLN-SUDBURY REGIONAL SCHOOL DISTRICT

By it's Regional District School Committee,



Mark Collins, ~~Chair~~ Chairperson


Eric Harris


John J. Ryan, Jr.


Patricia Mostue


Eileen Glovsky


Lauri B. Wishner

LIST OF EXHIBITS

Exhibit 1 – L-S Community Field Rules of Priority

Exhibit 2 – L-S Community Field Reservations: Rules and Regulations

EXHIBIT 1 - L-S COMMUNITY FIELD RULES OF PRIORITY

The District shall receive priority for use of the L-S Community Field on LSRHS school days. Community groups are encouraged to use the L-S Community Field in the evenings and at other times when available.

Unless altered or amended by agreement of the District Superintendent/Principal and the Town Manager or their respective designees, the following Rules of Priority shall be used to allocate shared use of the L-S Community Field between the Town and the District throughout the term of this Agreement:

- In allocating time slots between and among the District and the Town, the Town and the District shall be guided by the principle that the L-S Community Field shall be a shared recreational resource designed to promote and sustain a vibrant and diverse array of intra-scholastic, inter-scholastic, town and community sporting and recreational events to promote the health and well-being of the Town's and the District's students, youth, adults, and families. Accordingly, the Town Manager and the District Superintendent/Principal, or their respective designees, shall agree upon a balanced allocation schedule between the District and the Town that takes into account seasonal sports needs, increased summer flexibility and hours when school is out and days are longer, and other considerations appropriate to reaching an annual equitable balance between the District and the Town.
- In or about each December and May, the Town of Sudbury Park and Recreation Director and the Lincoln-Sudbury Athletic Director (or their designees) shall conduct a joint scheduling meeting for Town and District controlled fields, including the L-S Community Field. This will include any evening, holiday and vacation use of the L-S Community Field. Any conflicts in the use of the L-S Community Field will be resolved by consensus with priority given to the District for unanticipated District athletic events.

- The Town of Sudbury Park and Recreation Department shall receive priority in scheduling events throughout the day on Saturdays and Sundays and evenings that have not already been previously scheduled for District use.
- The Town of Sudbury Recreation Department shall receive priority for use of the L-S Community Field for ten (10) weeks during each summer, beginning after the close of the school year. Additionally, the District shall receive priority to schedule events beginning two weeks prior to the starting date of school.
- During the school spring vacation (typically scheduled in April), the Town of Sudbury Park and Recreation Department shall receive priority for use of the L-S Community Field.
- The District shall receive priority for use of the L-S Community Field during post-season MIAA Tournament play. These weeks are roughly the first three weeks of November and the first three weeks of June.
- District-sponsored activities will have free access to the L-S Community Field. Town of Sudbury Park and Recreation Department approved activities, including but not exclusively youth and adult sports leagues, will pay standard Park and Recreation Department user fees for use of the L-S Community Field.
- Groups from outside of the Town of Sudbury Park and Recreation Department and the District will be able to use the L-S Community Field, on a space available basis, pursuant to the LS Field Reservation Rules and Regulations, Field Request Form.
- For any of the time specifically reserved for the use of the Town of Sudbury Park and Recreation Department, the Town reserves its right to waive all or a portion of its time in any year without waiving future years' rights to the same time.

EXHIBIT 2 - L-S COMMUNITY FIELD RESERVATIONS: RULES AND REGULATIONS

The Lincoln-Sudbury Regional School District and the Town of Sudbury are proud of our ability to offer our community a shared recreational resource in the L-S Community Field. This resource is designed to promote and sustain a vibrant and diverse array of intra-scholastic, inter-scholastic, Town, and community sporting and recreational events to promote the health and well-being of the Town's and District's students, youth, adults, and families.

As noted earlier, the overall scheduling of the field will occur in meetings between the Sudbury Park and Recreation Department and the Lincoln-Sudbury Athletic Department. These meetings will be held in or around December and May of each year, and on an as-needed basis beyond that.

When scheduled use of the field by non-District users will require special or additional services, whether they be technical, custodial, or supervisory, appropriate charges may be required of the user to cover the costs of District personnel and utility use.

Rules for Usage, and Revocation of Permits

The following are the rules of usage for the Community Field, which should be observed and adhered to by all users at all time. Violation of these may result in the revocation of a field reservation permit:

- use of alcohol on or around the field site, or school parking lot, strictly prohibited;
- use of any controlled or illegal substance at the field site or parking lot is likewise strictly prohibited;
- tobacco, and all tobacco products, are prohibited by state law on school grounds at all times, a prohibition which includes the community field;
- groups using the field must make sure to remove all litter and trash following the use of the field;

- spectators or participants may not park on the field, or any grass areas surrounding the field;
- foul, obscene, or abusive language is not permitted on or around the field at any time, during any event.

In general, respectful, civil, and responsible behavior is expected at all times and at all events, and field permits may be revoked for violation of the protocols listed above, as well as for any conduct or behavior deemed inappropriate, disruptive, or irresponsible.

AMENDMENT TO THE INTER-MUNICIPAL AGREEMENT – L-S COMMUNITY FIELDS

This Amendment to the Inter-Municipal Agreement (the "Agreement") is entered into pursuant to M.G.L. c. 40, § 4A, on the last day of execution below (the "Amendment Date"), by and among the **TOWN OF SUDBURY**, a municipal corporation, having its principal office at The Flynn Building, 278 Old Sudbury Road, Sudbury, MA 01776 (the "Town"), and the **LINCOLN-SUDBURY REGIONAL SCHOOL DISTRICT**, a regional school district created under M.G.L. c. 71, §§ 15, *et seq.*, having its principal office at 390 Lincoln Road, Sudbury MA 01776 (the "District").

WHEREAS, on December 19, 2006, the Town and the District entered into the Agreement related to the financing, construction, maintenance and use of the field previously known as the L-S football field (the "L-S Community Field"). The Community Field was financed using District funds, private donations, and Community Preservation Act Funds ("CPA Funds") from the town of Sudbury.

WHEREAS, the District and the Town propose to make substantial improvements to the softball field (the "Softball Field") owned by the District and is located on the District's Central Campus adjacent to the Lincoln-Sudbury Regional High School. This field has an uneven playing surface, lacks irrigation, and lacks an electrical source. Such improvements will greatly enhance the functional capacity and longevity of the facility.

WHEREAS, the District and the Town propose to finance the improvements to the Softball Field from privately raised funds and \$256,000 of CPA Funds from the Town.

WHEREAS, the District and the Town desire to amend the Agreement to establish policies and practices under which the Community Field and the Softball Field would be used and shared by the District and the Town.

NOW THEREFORE, for adequate consideration, the receipt and sufficiency of which are hereby acknowledged, the Town and the District agree to amend the Agreement as follows:

12. (new) SOFTBALL FIELD IMPROVEMENT PROJECT

Subject to the terms and conditions of the Agreement, on or before August 31, 2014, the District shall perform all work necessary and appropriate for the design, bidding, permitting, construction, landscaping and other related activities for the completion of the improvements to the Softball Field described in Exhibit 1 (the "Softball Field Improvement Project"). Upon completion of the Softball Field Improvement Project, the Softball Field shall become subject to this Agreement and all references herein to the "Community Field" shall be deemed to include both the Community Field and the Softball Field (the "L-S Community Fields").

The estimated cost of the Softball Field Improvement Project is \$300,000. The District agrees to accept private funds and expend these funds toward the Softball Field Improvement Project. Upon (a) commitment to pay and/or payment to and acceptance by the District of private funds, inclusive of any in-kind contributions, (b) completion of the design, bidding, and (if required) permitting, and (c) issuance by the District of the contracts for the construction of the Softball Field Improvement Project, the Town shall pay to the District CPA Funds of no more than \$256,000 towards the cost of permitting, design and construction of the Softball Field Improvement Project. The District shall accept and expend said CPA Funds solely for the purpose of performing the Softball Field Improvement Project.

The District shall complete the Softball Field Improvement Project using private funds and the CPA Funds referred to in the preceding paragraph.

13. (new) AMENDED TERM

This Amendment commences upon the Amendment Date and shall continue for as long as there continues to be recreational sport activities played on the L-S Community Fields by the District or the Town. Upon payment by the Town of the CPA Funds hereunder, this Agreement shall guarantee the Town's irrevocable right to use the L-S Community Fields in accordance with the Agreement during its Term subject to interruptions in such use as provided herein.

All other provisions of the Agreement shall remain in full force and effect.

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding is entered into on this 19th day of December, 2006, by and between the LINCOLN-SUDBURY REGIONAL SCHOOL DISTRICT, a regional school district created under M.G.L. c. 71, §§ 15, et seq., having its principal office at 390 Lincoln Road, Sudbury, MA (the "District") and the TOWN OF SUDBURY, a municipal corporation, having its principal office at The Flynn Building, 278 Old Sudbury Road, Sudbury, MA 01776 (the "Town") for the purpose of setting forth certain provisions, terms, conditions and understandings of the parties relative to the **use of District and Town fields**, as follows:

1. The District and the Town have entered into a certain Inter-Municipal Agreement – L-S Community Field ("**Agreement**") on the 19th day of December, 2006, with respect to the creation and use of a new facility to be constructed on a portion of the Lincoln-Sudbury Regional School District Campus which is to be known as the **L-S Community Field**.
2. The **Agreement** creates the Town's right to use the L-S Community Field under terms set forth in the **Agreement**. The parties hereby acknowledge their intention that the terms of the shared use of the L-S Community Field is to be a model for the shared use of all athletic fields owned by the District and the Town.
3. Town-approved organizations (Sudbury Park and Recreation Programs, Sudbury Youth Soccer, Sudbury Boys Lacrosse, Sudbury Girls Lacrosse, Sudbury Little League, Sudbury Babe Ruth, Sudbury Pop Warner, Sudbury Girls Softball, among others) are considered Category 1 users as defined in the L-S Field Usage Guideline

Attachment 1.c: 02. L-S Community Field - MOU (2617 : Field fees with LS)

Document. As Category 1 Users, Sudbury Park and Recreation-approved user groups pay conventional park and recreation fees to the Town and do not pay additional field rental fees to the District for normal seasonal use of District fields. For normal seasonal use, all Town-approved user groups will coordinate with the Director of Park and Recreation to be assigned field space. The Director of Park and Recreation, in turn, will coordinate with the District Athletic Director to determine what field space is available for Town use. District field space is then allocated to Town-approved groups as needed and consistent with the L-S Community Field Rules of Priority and the L-S Community Field Reservations Rules and Regulations.

4. District teams and organizations will continue to pay no field rental fees for use of Town fields, including but not limited to Haskell field, Feely Field, and Featherland Field. The Town will continue hosting District team events and will continue to provide field space, as needed, for games, practices, as a result of weather cancellations, MIAA tournament games and any other situations that may arise.
5. The Town will continue to provide the District with Featherland Field for graduation ceremonies and considers this to be a use of the highest priority.
6. Solely for purposes of the L-S Community Field Project and until the project is completed, the Town Manager, or designee, shall be an ex-officio member of the LS Building Committee.
7. In or about each December and May, the Town of Sudbury Park and Recreation Director and the Lincoln-Sudbury Athletic Director (or their designees) shall conduct a joint scheduling meeting for Town and District-controlled fields. At each such meeting, the Directors shall confer with respect to the relative use, condition and

wear of Town and District-controlled fields and shall make recommendations to the Town and District with respect to allocation, if any, to the Town and District of fees collected pursuant to Paragraph 3 above and with respect to proposed revisions or amendments to this Memorandum of Understanding, if any.

8. The artificial turf field surface of the L-S Community Field shall be permanently lined for football, soccer, boys lacrosse, and girls lacrosse. Notwithstanding that direction, control, and management of the construction of the L-S Community Field Project is vested in the LS Building Committee, final approval of the specifications for field lining of the artificial surface of the field by the manufacturer and/or installer of said surface shall be subject to approval by both the Town and the District.
9. The District acknowledges the Town staff issues raised in the October 17, 2006 Memo of the Director of Planning and Community Development. The Town and the District agree that the issues shall be addressed and resolved by consensus.
10. This Memorandum of Understanding shall be reviewed by the Town and District each year, or more frequently if needed, to determine the need, if any, for any revisions or amendments to this Memorandum of Understanding and any issues with respect to any such revisions or amendments shall be resolved by consensus.
11. This Memorandum of Understanding is not intended to amend or modify, and shall not be deemed or construed as amending or modifying, any of the terms, conditions or provisions of the **Agreement**, all of which are hereby ratified and affirmed. In the event of a conflict between the provisions of this Memorandum of Understanding and the provisions of the **Agreement** itself, the provisions of the **Agreement** shall control.

IN WITNESS HEREOF, the parties have executed this Memorandum of Understanding this 19th day of December, 2006.

TOWN OF SUDBURY,
By it's Board of Selectmen,


William J. Keller, Jr., Chairman


John C. Drobinski


Lawrence W. O'Brien

LINCOLN-SUDBURY REGIONAL SCHOOL DISTRICT
By it's Regional District School Committee,


Mark Collins, ~~Chairman~~ Chairperson


Eric Harris


John J. Ryan, Jr.


Patricia Mostue


Eileen Glovsky


Lauri B. Wishner

Attachment1.c: 02. L-S Community Field - MOU (2617 : Field fees with LS)

AMENDMENT TO THE INTER-MUNICIPAL AGREEMENT – L-S COMMUNITY FIELDS

This Amendment to the Inter-Municipal Agreement (the "Agreement") is entered into pursuant to M.G.L. c. 40, § 4A, on the last day of execution below (the "Amendment Date"), by and among the **TOWN OF SUDBURY**, a municipal corporation, having its principal office at The Flynn Building, 278 Old Sudbury Road, Sudbury, MA 01776 (the "Town"), and the **LINCOLN-SUDBURY REGIONAL SCHOOL DISTRICT**, a regional school district created under M.G.L. c. 71, §§ 15, *et seq.*, having its principal office at 390 Lincoln Road, Sudbury MA 01776 (the "District").

WHEREAS, on December 19, 2006, the Town and the District entered into the Agreement related to the financing, construction, maintenance and use of the field previously known as the L-S football field (the "L-S Community Field"). The Community Field was financed using District funds, private donations, and Community Preservation Act Funds ("CPA Funds") from the town of Sudbury.

WHEREAS, the District and the Town propose to make substantial improvements to the softball field (the "Softball Field") owned by the District and is located on the District's Central Campus adjacent to the Lincoln-Sudbury Regional High School. This field has an uneven playing surface, lacks irrigation, and lacks an electrical source. Such improvements will greatly enhance the functional capacity and longevity of the facility.

WHEREAS, the District and the Town propose to finance the improvements to the Softball Field from privately raised funds and \$256,000 of CPA Funds from the Town.

WHEREAS, the District and the Town desire to amend the Agreement to establish policies and practices under which the Community Field and the Softball Field would be used and shared by the District and the Town.

NOW THEREFORE, for adequate consideration, the receipt and sufficiency of which are hereby acknowledged, the Town and the District agree to amend the Agreement as follows:

12. (new) SOFTBALL FIELD IMPROVEMENT PROJECT

Subject to the terms and conditions of the Agreement, on or before August 31, 2014, the District shall perform all work necessary and appropriate for the design, bidding, permitting, construction, landscaping and other related activities for the completion of the improvements to the Softball Field described in Exhibit 1 (the "Softball Field Improvement Project"). Upon completion of the Softball Field Improvement Project, the Softball Field shall become subject to this Agreement and all references herein to the "Community Field" shall be deemed to include both the Community Field and the Softball Field (the "L-S Community Fields").

The estimated cost of the Softball Field Improvement Project is \$300,000. The District agrees to accept private funds and expend these funds toward the Softball Field Improvement Project. Upon (a) commitment to pay and/or payment to and acceptance by the District of private funds, inclusive of any in-kind contributions, (b) completion of the design, bidding, and (if required) permitting, and (c) issuance by the District of the contracts for the construction of the Softball Field Improvement Project, the Town shall pay to the District CPA Funds of no more than \$256,000 towards the cost of permitting, design and construction of the Softball Field Improvement Project. The District shall accept and expend said CPA Funds solely for the purpose of performing the Softball Field Improvement Project.

The District shall complete the Softball Field Improvement Project using private funds and the CPA Funds referred to in the preceding paragraph.

13. (new) AMENDED TERM

This Amendment commences upon the Amendment Date and shall continue for as long as there continues to be recreational sport activities played on the L-S Community Fields by the District or the Town. Upon payment by the Town of the CPA Funds hereunder, this Agreement shall guarantee the Town's irrevocable right to use the L-S Community Fields in accordance with the Agreement during its Term subject to interruptions in such use as provided herein.

All other provisions of the Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have executed this Amendment to the Inter-Municipal Agreement this 30th day of July, 2013.

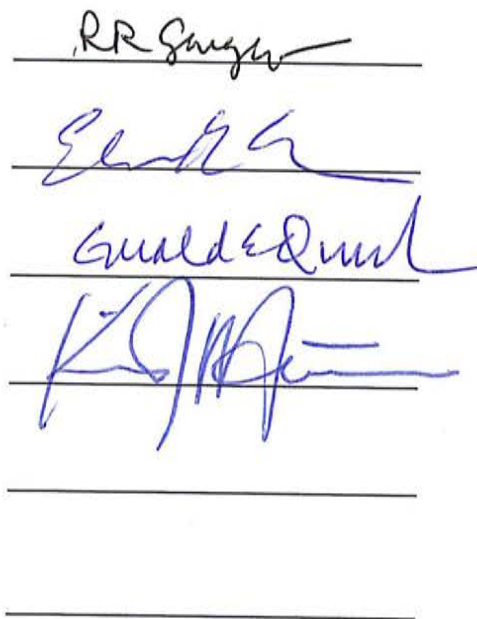
TOWN OF SUDBURY, MASSACHUSETTS,

By its Board of Selectmen,



LINCOLN-SUDBURY REGIONAL SCHOOL DISTRICT

By its Regional School District Committee,



LIST OF EXHIBITS

Exhibit 1 – L-S Community Fields Rules of Priority

Exhibit 2 – L-S Community Fields Reservations: Rules and Regulations

Exhibit 3 – Softball Field Improvement Project

EXHIBIT 1 - L-S COMMUNITY FIELDS RULES OF PRIORITY

The District shall receive priority for use of the L-S Community Fields on LSRHS school days. Community groups are encouraged to use the L-S Community Fields in the evenings and at other times when available.

Unless altered or amended by agreement of the District Superintendent/Principal and the Town Manager of the Town of Sudbury (or their respective designees), the following Rules of Priority shall be used to allocate shared use of the L-S Community Field between the Town and the District throughout the term of this Agreement:

- In allocating time slots between and among the District and the Town, the parties shall be guided by the principle that the L-S Community Fields shall be a shared recreational resource designed to promote and sustain a vibrant and diverse array of intra-scholastic, inter-scholastic, town and community sporting and recreational events to promote the health and well-being of the Town's and the District's students, youth, adults, and families. Accordingly, the Town Manager of Sudbury and the District Superintendent/Principal (or their respective designees) shall agree upon (i) a balanced allocation schedule between the District and the Town that takes into account seasonal sports needs, increased summer flexibility and hours when school is out and days are longer, and (ii) other considerations appropriate to reaching an annual equitable balance between and among the District and the Town.
- In or about each December and May, the Park and Recreation Director of the Town and the Lincoln-Sudbury Athletic Director (or their designees) shall conduct a joint scheduling meeting for Town- and District-controlled fields, including the L-S Community Fields. This will include any evening, holiday and vacation use of the L-S Community Fields. Any conflicts in the use of the L-S Community Fields will be resolved by consensus with priority given to the District for unanticipated District athletic events.
- The Park and Recreation Department shall receive priority in scheduling events throughout the day on Saturdays and Sundays and evenings that have not already been previously scheduled for District use.
- The Park and Recreation Department shall receive priority for use of the L-S Community Fields for ten (10) weeks during each summer, beginning after the close of the school year. Additionally, the District shall receive priority to schedule events beginning two weeks prior to the starting date of school.
- During the school spring vacation (typically scheduled in April), the Park and Recreation Department shall receive priority for use of the L-S Community Fields.
- The District shall receive priority for use of the L-S Community Fields during post-season MIAA Tournament play. These weeks are roughly the first three weeks of November and the first three weeks of June.

- District-sponsored activities will have free access to the L-S Community Fields. Activities approved by the Park and Recreation Department, including but not exclusively youth and adult sports leagues, will pay standard Park and Recreation Department user fees for use of the L-S Community Fields.
- Groups from outside of the Park and Recreation Department and the District will be able to use the L-S Community Fields, on a space available basis, pursuant to the LS Fields Reservation Rules and Regulations, Field Request Form.
- For any of the time specifically reserved for the use of the Park and Recreation Department, the Town reserves its right to waive all or a portion of its time in any year without waiving future years' rights to the same time.

EXHIBIT 2 - L-S COMMUNITY FIELDS RESERVATIONS: RULES AND REGULATIONS

The Lincoln-Sudbury Regional School District and the Town of Sudbury are proud of its ability to offer the community a shared recreational resource in the L-S Community Fields. This resource is designed to promote and sustain a vibrant and diverse array of intra-scholastic, inter-scholastic, Town, and community sporting and recreational events to promote the health and well-being of the Town's and District's students, youth, adults, and families.

As noted earlier, the overall scheduling of the Community Fields will occur in meetings among the Sudbury Park and Recreation Department and the Lincoln-Sudbury Athletic Department. These meetings will be held in or around December and May of each year, and on an as-needed basis beyond that.

When scheduled use of the field by non-District users will require special or additional services, whether they be technical, custodial, or supervisory, appropriate charges may be required of the user to cover the costs of District personnel and utility use.

Rules for Usage, and Revocation of Permits

The following are the rules of usage for the Community Fields, which should be observed and adhered to by all users at all time. Violation of any of these may result in the revocation of a field reservation permit:

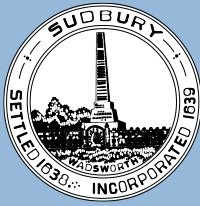
- use of alcohol on or around the fields site, or school parking lot, strictly prohibited;
- use of any controlled or illegal substance at the fields or parking lot is likewise strictly prohibited;
- tobacco, and all tobacco products, are prohibited by state law on school grounds at all times, a prohibition which includes the Community Fields;
- groups using the Community Fields must make sure to remove all litter and trash following their use;
- spectators or participants may not drive down to the Community Fields, or park along the access roads or grass areas, except to the extent necessary to unload supplies or equipment, provided such vehicle is then moved to a designated parking area at the high school; and
- dogs, motor vehicles and bicycles are not permitted on the Community Fields or the roads leading to them.
- Foul, obscene, or abusive language is not permitted on or around the field at any time, during any event.

In general, respectful, civil, and responsible behavior is expected at all times and at all events, and field permits may be revoked for violation of the protocols listed above, as well as for any conduct or behavior deemed inappropriate, disruptive, or irresponsible.

EXHIBIT 3 – SOFTBALL FIELD IMPROVEMENT PROJECT

[project description]

Attach bid awarded.



SUDBURY BOARD OF SELECTMEN
Tuesday, February 6, 2018

MISCELLANEOUS (UNTIMED)

2: Presentation by GeoInsight

REQUESTOR SECTION

Date of request:

Requested by: Patty Golden

Formal Title: Presentation of environmental report by GeoInsight. Michael Webster to attend.

Recommendations/Suggested Motion/Vote: Presentation of environmental report by GeoInsight. Michael Webster to attend.

Background Information:
attached report

Financial impact expected:

Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Barbara Saint Andre	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

02/06/2018 7:00 PM



Environmental Strategy & Engineering

DRAFT

January 9, 2018

GeoInsight Project 7877-001

William Murphy, Director
Town of Sudbury
Board of Health
275 Old Lancaster Road
Sudbury, MA 01776

Re: Focused Subsurface Investigation
Melone Property
North Road
Sudbury, Massachusetts

Dear Mr. Murphy:

GeoInsight, Inc. (GeoInsight) is pleased to provide this Focused Subsurface Investigation Report (the Report) for the Melone property located on North Road in Sudbury, Massachusetts (the Property). The Report was completed in general accordance with our Scope of Work for Focused Subsurface Investigation (SOW) dated October 12, 2017. The Report summarizes the results of subsurface investigation activities conducted at the Property in November and December 2017.

BACKGROUND

The Property consists of an approximately 46.6-acre irregularly shaped parcel purchased by the Town of Sudbury (the Town) in 1990. The central and southwest portions of the Property are located in Sudbury. The northeast portion of the Property is located in the neighboring town of Concord. The properties to the west and northwest are the location of the former Sperry Rand/Unisys facility which is a documented Commonwealth of Massachusetts hazardous materials release site. The Property is contiguous with an approximately 6.9-acre parcel of land to the east that is owned by the Sudbury Water District. The primary access to the Melone Property is through the Sudbury Water District parcel.

GeoInsight was retained by the Town to conduct an environmental data review associated with the Melone Property. The results of the data review were presented to the Town in a Technical Memorandum dated June 9, 2016. The Technical Memorandum provided the Town with a general summary of the Sperry/Unisys Site, including a summary of constituents of concern (COCs) released, environmental media and areas impacted, and remedial activities. The memorandum also included summary information associated with Sudbury Water District and

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200 Court Street, 2nd Floor
Middletown, CT 06457-3341
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Fax (860) 894-1023
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2.a

Attachment 2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)



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Town of Concord municipal water supply wells that are located near the Property. The Technical Memorandum also included redevelopment considerations to assist the Town in evaluating Property reuse options.

SCOPE OF WORK

The SOW was based upon information obtained during our focused review of conditions associated with the Sperry/Unisys Site, possible environmental considerations associated with future redevelopment of the Property, and discussions with representatives of the Town. We identified the following possible environmental considerations associated with future redevelopment of the Property.

Soil Related:

- The non-gravel-mined western portion of the Melone Property was historically occupied by an orchard. Shallow soil located in this portion of the property may contain residues from historical application of pesticides/herbicides.

Groundwater Related:

- There are no historical or current data for groundwater at the Melone Property. Available information suggests that impacts associated with the Sperry/Unisys Site Gravel Pit Area plume extended onto the north border and possibly the north portion of the Melone Property (i.e., the portion located in Concord). Because of their location, topography, and presence of wetlands, the areas that may have been historically impacted by the Gravel Pit Area plume are not likely the portions of the Melone Property to be considered for redevelopment.
- Available information suggests that impacts associated with the Sperry/Unisys Leach Field Area plume may extend onto the southwest and southern portions of the Melone Property.
- Historical chlorinated solvents that were detected in samples of deep overburden and shallow bedrock groundwater near Sudbury Water District Well No. 5 appeared to extend northward onto the Sudbury Water District land that abuts the east side of the Melone Property. The extent of these impacts was not delineated.

Subsurface investigation activities performed on properties near the Melone Property indicate that soils consist of sand and gravel on top of a thin layer of glacial till and then bedrock. Depth to bedrock is variable, but is generally within 20 to 50 feet of the ground surface. Depth to water varies depending upon topography, but is generally within 5 to 10 feet of the ground surface.

The southern portion of the Property that abuts North Road and the southwest conservation portion of the Property are heavily forested and are characterized by significant topographical



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relief. Therefore, the SOW focused the groundwater characterization activities focused on the more readily accessible central and north portions of the Property.

SCOPE OF WORK

The following tasks were completed as part of the focused subsurface investigation at the Property.

DIG-SAFE ACTIVITIES

On November 21, 2017, GeoInsight conducted a Property visit to pre-mark the locations of proposed soil borings at the Property, and to look for and evaluate the presence/condition of historical monitoring wells that had previously been installed near the Property. GeoInsight identified two pre-existing monitoring wells (MW-2 and monitoring well cluster 91-S8 and 91-S9). Monitoring well MW-2 was installed in 1989 near the southwest corner of the Sudbury Water District property, adjacent to the Wagner property, as part of a subsurface investigation to evaluate chlorinated solvent impacts in Sudbury Well No. 5. Monitoring well cluster 91-S8 and 91-S9 was installed in 1991 off-Property to the southeast of the Sudbury Water District property as part of historical investigations for the Sperry/Unisys Site. The locations of these wells are indicated on Figure 2. Other near-Property historical monitoring wells were not found and are presumed destroyed.

IN SITU GROUNDWATER SAMPLING

On November 30 and December 1, 2017, GeoInsight completed an in situ groundwater sampling program using a direct-push Geoprobe® drill rig and Geoprobe® SP-16 groundwater sampling system to collect shallow and deep overburden groundwater samples at the Property. The borings were advanced at locations around the perimeter of the gravel pit area and one location near the center of the gravel pit. Geoprobe® borings GP-1, GP-2, GP-5, GP-6, and GP-7 were advanced to total depths of 56, 52, 68, 56, and 62 feet below ground surface (bgs), respectively, where refusal was encountered. Shallow refusal, presumably on bedrock, was encountered in borings GP-3 and GP-4 at a depth of 12 feet bgs. Recoverable groundwater was not encountered in the overburden soils at these two locations. Bedrock outcrops were visible at the ground surface in the southwestern portion of the gravel pit area, extending from GP-3 in the south to GP-4 in the north (Figure 2).

Shallow groundwater samples were collected from borings GP-1, GP-2, GP-5, GP-6, and GP-7 near the water table, and a deep sample was collected at the anticipated overburden-till/bedrock interface (i.e., anticipated to be Geoprobe® refusal). Groundwater sample collection depths are presented on Table 1. The locations of the borings are depicted on Figure 2. Groundwater was generally encountered in the borings at depths ranging from approximately 12 feet (GP-4; at the bedrock surface) to 39 feet (GP-7) bgs.

In situ groundwater samples were collected from the borings using a peristaltic pump and dedicated polyethylene tubing (all locations except GP-7) or dedicated polyethylene tubing



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and a check valve (location GP-7). The samples were delivered under chain of custody to Eurofins Spectrum Analytical of Agawam, Massachusetts and analyzed for volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260. In addition, the deep groundwater samples from borings GP-2, GP-6, and GP-7 were also analyzed for 1,4-dioxane using USEPA Method 8270 and Selective Ion Monitoring (SIM).

VOCs and 1,4-dioxane were not detected in the samples at concentrations above laboratory reporting limits. Groundwater analytical data are summarized on Table 1. A copy of the laboratory analytical report is attached.

On December 6, 2017, at the request of the Town, GeoInsight collected a groundwater sample from historical monitoring well MW-2 using a peristaltic pump and dedicated polyethylene tubing. Monitoring well MW-2 was constructed of 40 feet of 1.5-inch screen set at a depth of 65 feet bgs. At the time we collected the groundwater sample the screen had apparently silted-in to a depth of approximately 52 feet bgs. The depth to water in monitoring well MW-2 on December 6, 2017 was 24.51 feet bgs. The groundwater sample was collected at a depth of approximately 50 feet bgs.

The sample was delivered under chain of custody to Eurofins Spectrum Analytical and analyzed for VOCs by USEPA Method 8260. VOCs were not detected in the sample at concentrations above laboratory reporting limits. Groundwater analytical data are summarized on Table 1. A copy of the laboratory analytical report is attached.

SHALLOW SOIL SAMPLING

On November 30, 2017, GeoInsight collected six shallow soil samples (SS-1 to SS-6) at depths of up to 2 feet bgs in the upland unmined area in the western portion of the Property to evaluate whether residual pesticides/herbicides are present in shallow soil. The samples were collected using a stainless-steel hand auger and composited in the field in a stainless-steel container. The sampling equipment was decontaminated between each sampling location. Two additional soil samples (SS-7 and SS-8) were collected from the floor of the gravel pit area. Soil samples SS-1 to SS-8 were analyzed for total arsenic (a common constituent of historical pesticides/herbicides) by USEPA Method 6010C. Soil samples SS-1, SS-3, SS-5, and SS-7 were also analyzed for pesticides/herbicides by USEPA Methods 8081B and 8151A, respectively.

Arsenic was detected in each of the samples at concentrations ranging from 2.84 to 20.8 milligrams per kilogram (mg/kg). The concentration of arsenic detected in soil sample SS-2 (20.8 mg/kg) slightly exceeds the Massachusetts Contingency Plan (MCP) Reportable Concentration (RC) for arsenic of 20 mg/kg. Pesticides and herbicides were not detected in soil samples SS-1, SS-3, SS-5, and SS-7 at concentrations above laboratory reporting limits. Soil analytical results are summarized in Table 2.

Soil boring and soil sampling locations were identified using Global Positioning System (GPS) techniques and are depicted on Figure 2.



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SUMMARY

A summary of the results of the focused subsurface investigation is provided below:

Groundwater:

- on November 30 and December 1, 2017, a total of seven Geoprobe® borings were advanced at the Property to depths ranging from 12 to 68 feet bgs;
- Groundwater samples were collected from borings GP-1, GP-2, GP-5, GP-6, and GP-7 near the water table, and a deep sample was collected at the anticipated overburden-till/bedrock interface and analyzed for VOCs. The deep groundwater samples from borings GP-2, GP-6, and GP-7 were also analyzed for 1,4-dioxane;
- VOCs and 1,4-dioxane were not detected in the samples; and
- VOCs were not detected in the groundwater sample from historical monitoring well MW-2.

Soil:

- on November 30, 2017, GeoInsight collected six shallow soil samples (SS-1 to SS-6) at depths of up to 2 feet bgs in the upland unmined area in the western portion of the Property to evaluate whether residual pesticides/herbicides/arsenic are present in shallow soil. Two additional samples (SS-7 and SS-8) were collected from the floor of the gravel pit;
- arsenic was detected in the samples at concentrations ranging from 2.84 to 20.8 mg/kg;
- pesticides and herbicides were not detected in the soil samples; and
- the concentration of arsenic detected in soil sample SS-2 (20.8 mg/kg) slightly exceeds the MADEP RC for arsenic of 20 mg/kg.

CONCLUSIONS

VOCs were not detected in the 11 samples collected at the Property from both shallow and deep groundwater. The discrete groundwater samples were collected from the portions of the Property more likely to be developed. The groundwater conditions documented by the November/December 2017 sampling events do not represent a condition that would be an impediment to Property development.

Arsenic was detected in one shallow soil sample (SS-2) at a concentration that slightly exceeds the MCP RC for arsenic of 20 mg/kg. The sample was collected in the non-gravel-mined southwestern portion of the Melone Property that was historically occupied by an orchard. The

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presence of arsenic in soil appears to be attributable to natural geologic conditions, or the historical use of arsenic-based pesticides within the former orchard. The detection and distribution of arsenic in the six soil samples did not exhibit a distinct pattern or define a discrete release area (i.e., MCP hot spot).

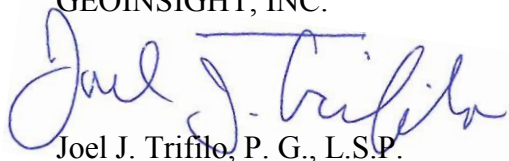
In accordance with the MCP the following conditions apply to the arsenic detected in on-Property soil and represent conditions that do not require notification to the Massachusetts Department of Environmental Protection (MADEP):

- arsenic in an area documented by the U.S. Geological Survey (USGS) or in other scientific literature as an area of elevated arsenic measured in soil or groundwater that
 - (a) is consistently present in the environment at and in the vicinity of the sampling location;
 - (b) is solely attributable to natural geologic or ecologic conditions; and
 - (c) has not been mobilized or transferred to another environmental medium or increased in concentration in an environmental medium as a result of anthropogenic activities.
- the presence of arsenic in soil resulting from the application of pesticides in a manner consistent with their labelling (i.e., potential historical orchard maintenance activities).

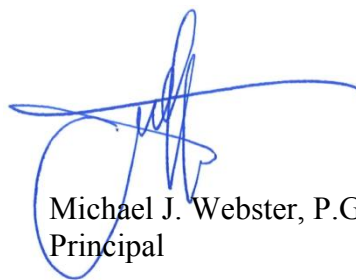
Information reviewed by GeoInsight indicates that the Property is located in close proximity to geologic areas of Massachusetts where elevated concentrations of arsenic are present in groundwater and mapped bedrock units. In addition, the concentrations of arsenic detected in Property soils are within the range of concentrations (0 to 70 mg/kg) that are considered to be consistent with natural soils by the USGS and USEPA. As such, the arsenic detected in Property soil is exempt from notification under the MCP.

If you have questions regarding the information presented in this Report or regarding conditions identified at the Melone Property, please contact Joel J. Trifilo or Michael J. Webster at (978) 679-1600.

Sincerely,
GEOINSIGHT, INC.



Joel J. Trifilo, P. G., L.S.P.
Senior Geologist



Michael J. Webster, P.G., L.S.P.
Principal

Attachments:

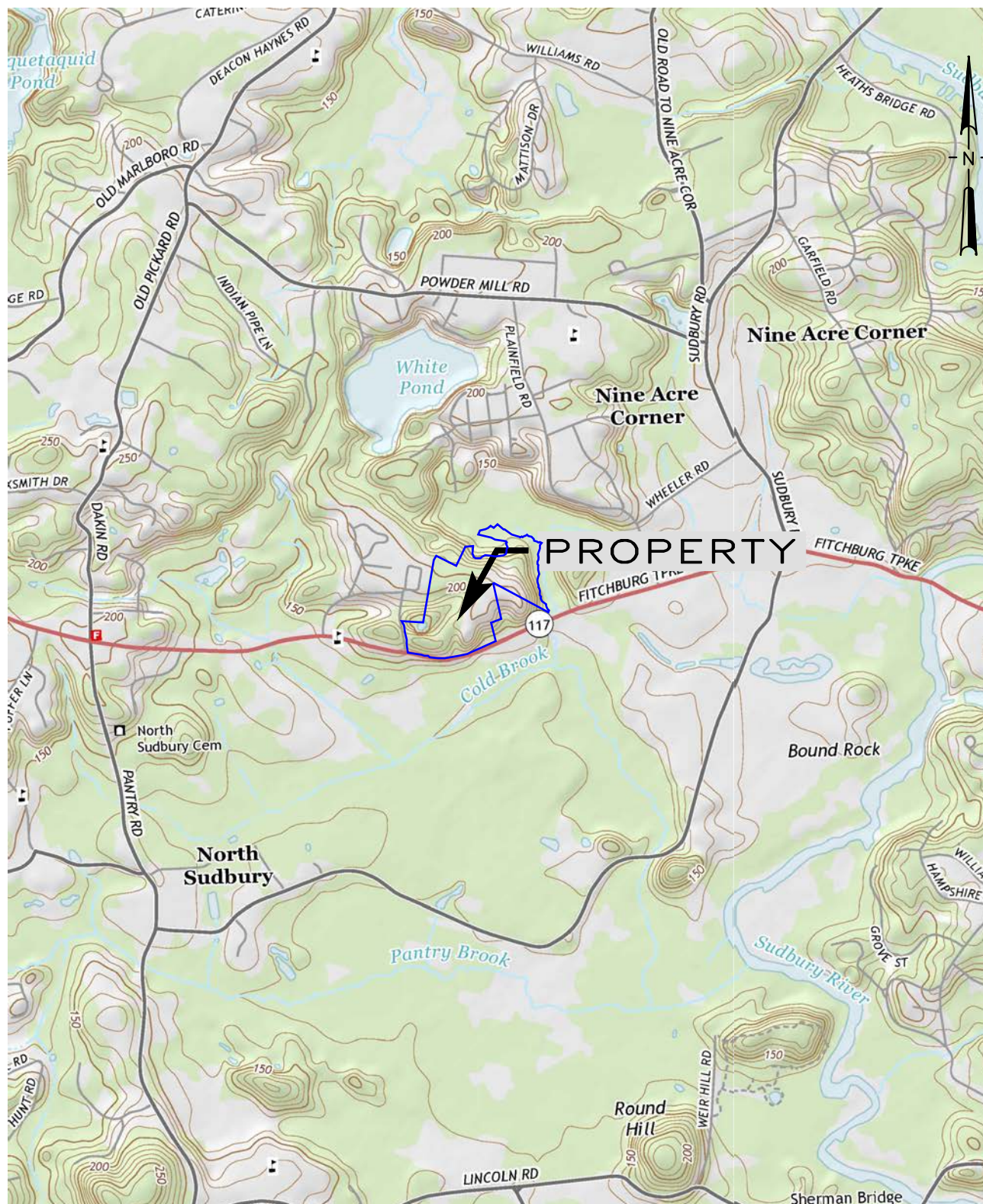
Figure 1 Property Locus

Figure 2 Property Plan

Table 1 Groundwater Analytical Results

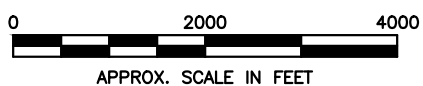
Table 2 Soil Analytical Results

Laboratory Analytical Reports



SOURCE:

USGS MAYNARD, MASSACHUSETTS
TOPOGRAPHIC QUADRANGLE 2015
CONTOUR INTERVAL: 10 FEET

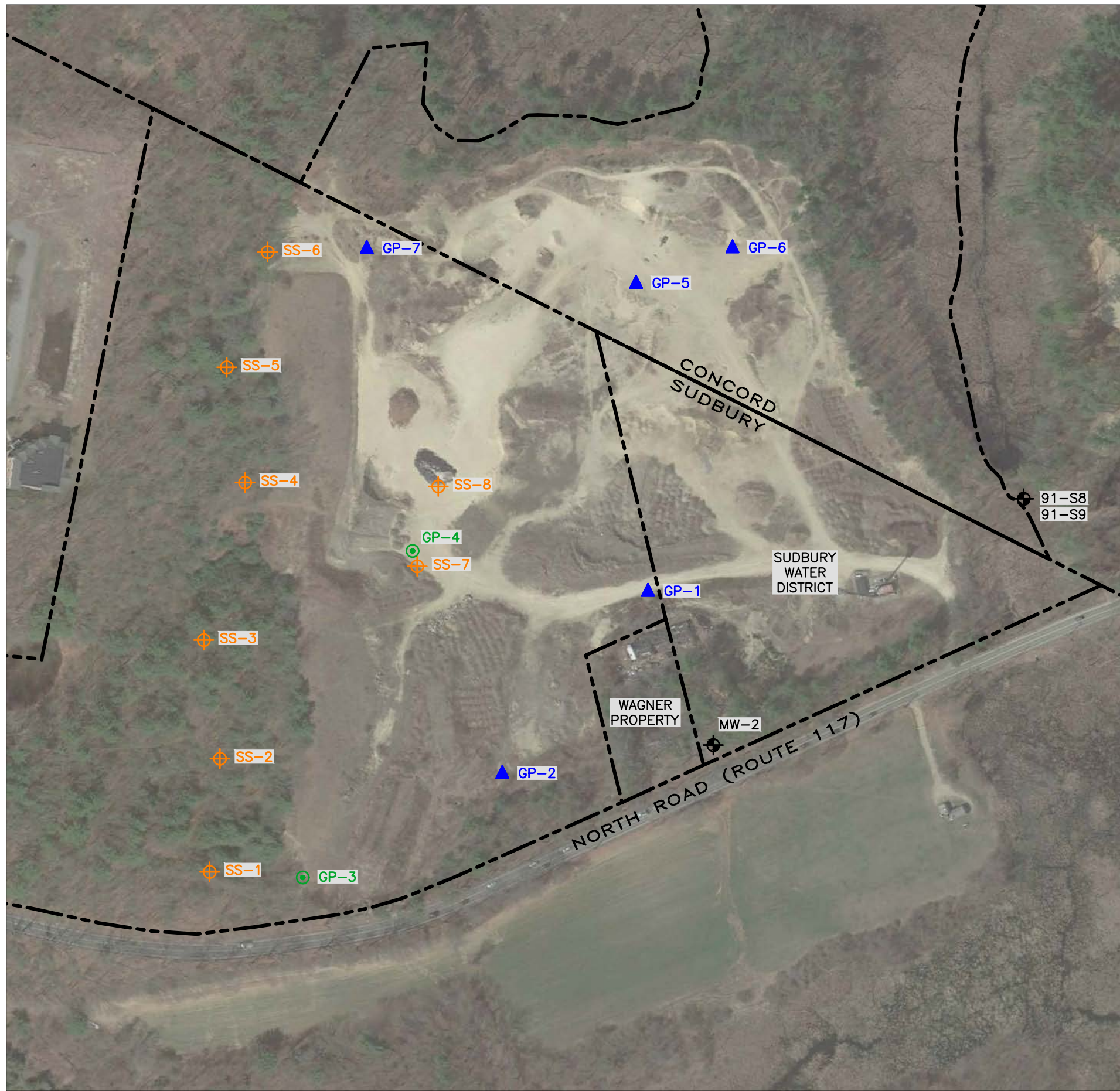


CLIENT: TOWN OF SUDBURY			
PROJECT: MELONE PROPERTY, NORTH ROAD SUDBURY, MASSACHUSETTS			
TITLE: PROPERTY LOCUS			
DESIGNED: JER	DRAWN: JER	CHECKED: CAS	APPROVED: KDT
SCALE: 1" = 2000'	DATE: 12/21/17	FILE NO.: 7877-LOCUS	PROJECT NO.: 7877-000



FIGURE NO.: 1

PLOT DATE: 1-8-18
FILE: C:\Users\stmckee\appdata\local\temp\AcPublish_9496\7877D001.dwg

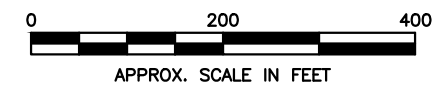


LEGEND

- MW-2 HISTORICAL MONITORING WELL (MW-2 INSTALLED IN 1989, 91-S8 AND 91-S9 INSTALLED IN 1991)
- SS-1 SHALLOW SOIL SAMPLES
- GP-1 DISCRETE GROUNDWATER SAMPLES
- GP-3 NO SAMPLE COLLECTED DUE TO SHALLOW REFUSAL

NOTES:

1. THIS FIGURE WAS BASED UPON AN AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH DATED APRIL 14, 2017.




CLIENT: TOWN OF SUDBURY				 GeoInsight <i>Practical in Nature</i>
PROJECT: MELONE PROPERTY, NORTH ROAD SUDBURY, MASSACHUSETTS				
TITLE: PROPERTY PLAN				
DESIGNED: CAS	DRAWN: STM	CHECKED: JJT	APPROVED: JJT	
SCALE: 1" = 200'	DATE: 01/08/17	FILE NO.: 7877D001	PROJECT NO.: 7877-000	FIGURE NO.: 2

TABLE 1
GROUNDWATER ANALYTICAL DATA
MELONE PROPERTY
NORTH ROAD
SUDBURY, MASSACHUSETTS

Sample Identification:	GP-1 (56')	GP-1 (20')	GP-2 (52')*	GP-2 (29')	GP-5 (68')	GP-5 (34')	GP-6 (56')*	GP-6 (39')	GP-7 (62')*	GP-7 (48')	MW-2
Sample Depth (feet bgs):	56	20	52	29	68	34	56	39	62	48	50
Sample Date:	11/30/2017	11/30/2017	11/30/2017	11/30/2017	11/30/2017	11/30/2017	12/1/2017	12/1/2017	12/1/2017	12/1/2017	12/6/2017
Volatile Organic Compounds (VOCs) analyzed via USEPA Method 8260 were not detected.											
*1,4-Dioxane analyzed via USEPA Method 8270D SIM was not detected.											

NOTES:

1. * = Samples analyzed for 1,4-dioxane.
2. USEPA = United States Environmental Protection Agency.
3. SIM = Selected Ion Monitoring.
4. bgs = Below ground surface.

TABLE 2
SOIL ANALYTICAL DATA
MELONE PROPERTY
NORTH ROAD
SUDBURY, MASSACHUSETTS

Sample Identification:	MCP Reportable Concentrations S-1	SS-1 (0-2)*	SS-2 (0-2)	SS-3 (0-2)*	SS-4 (0-2)	SS-5 (0-2)*	SS-6 (0-2)	SS-7 (0-2)*	SS-8 (0-2)
Sample Depth (feet bgs):		0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2
Sample Date:		11/30/2017	11/30/2017	11/30/2017	11/30/2017	11/30/2017	11/30/2017	11/30/2017	11/30/2017
Pesticides analyzed via USEPA Method 8081B were not detected.									
Herbicides analyzed via USEPA Method 8151A were not detected.									
Arsenic via USEPA Method 6010C									
Arsenic	20	3.9	20.8	8.37	9.58	3.45	16	2.84	2.89

NOTES:

1. * = Samples were analyzed for pesticides/herbicides.
2. Results reported in milligrams per kilogram (mg/kg).
3. USEPA = United States Environmental Protection Agency.
4. MCP = Massachusetts Contingency Plan.
5. Bolded values exceed laboratory reporting limits.
6. Shaded values exceed MCP Reportable Concentration RCS-1.
7. bgs = Below ground surface.

☒ Final Report
☐ Revised Report

Report Date:
14-Dec-17 15:24

Laboratory Report SC42065

GeoInsight, Inc.
1 Monarch Drive, Suite 201
Littleton, MA 01460
Attn: Joel Trifilo

Project: Melone Property - North Rd - Sudbury, MA
Project #: 7877

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2972/2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00348
USDA # P330-15-00375
Vermont # VT-11393



Authorized by:
Dawn Wojcik
Laboratory Director



Eurofins Spectrum Analytical holds primary certification in the State of Massachusetts for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of Massachusetts does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 40 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

Eurofins Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Spectrum Analytical, Inc. is currently accredited for the specific method or analyte indicated. Please refer to our Quality web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Eurofins Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis is transferred to and conducted at our 830 Silver Street location (PA-68-04426).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.


Sample Summary

Work Order: SC42065
Project: Melone Property - North Rd - Sudbury, MA
Project Number: 7877

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SC42065-01	GP-1 (56')	Ground Water	30-Nov-17 09:55	04-Dec-17 14:20
SC42065-02	GP-1 (20')	Ground Water	30-Nov-17 10:45	04-Dec-17 14:20
SC42065-03	GP-2 (52')	Ground Water	30-Nov-17 11:45	04-Dec-17 14:20
SC42065-04	GP-2 (29')	Ground Water	30-Nov-17 12:45	04-Dec-17 14:20
SC42065-05	GP-5 (68')	Ground Water	30-Nov-17 15:55	04-Dec-17 14:20
SC42065-06	GP-5 (34')	Ground Water	30-Nov-17 16:40	04-Dec-17 14:20
SC42065-07	GP-6 (56')	Ground Water	01-Dec-17 09:12	04-Dec-17 14:20
SC42065-08	GP-6 (39')	Ground Water	01-Dec-17 10:20	04-Dec-17 14:20
SC42065-09	GP-7 (62')	Ground Water	01-Dec-17 12:25	04-Dec-17 14:20
SC42065-10	GP-7 (48')	Ground Water	01-Dec-17 13:55	04-Dec-17 14:20

Attachment2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)

MassDEP Analytical Protocol Certification Form

Laboratory Name: Eurofins Spectrum Analytical, Inc.			Project #: 7877		
Project Location: Melone Property - North Rd - Sudbury, MA			RTN:		
This form provides certifications for the following data set:			SC42065-01 through SC42065-10		
Matrices: Ground Water					
CAM Protocol					
✓ 8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
✓ 8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A	9012 Total Cyanide/PAC CAM VI A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B
<i>Affirmative responses to questions A through F are required for Presumptive Certainty's status</i>					
A	Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?				✓ Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?				✓ Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?				✓ Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?				✓ Yes No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?				Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to questions A through E)?				✓ Yes No
<i>Responses to questions G, H and I below are required for Presumptive Certainty's status</i>					
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?				Yes ✓ No
Data User Note: Data that achieve Presumptive Certainty's status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.					
H	Were all QC performance standards specified in the CAM protocol(s) achieved?				Yes ✓ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?				Yes ✓ No
<i>All negative responses are addressed in a case narrative on the cover page of this report.</i>					
<p><i>I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.</i></p> <div style="text-align: right; margin-top: 20px;">  Dawn E. Wojcik Laboratory Director Date: 12/14/2017 </div>					

CASE NARRATIVE:

Data has been reported to the RDL. This report excludes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

The samples were received 2.5 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group. If method or program required MS/MSD/Dup were not performed, sufficient sample was not provided to the laboratory.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

According to WSC-CAM 5/2009 Rev.1, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended recovery range, a range has been set based on historical control limits.

Some target analytes which are not listed as exceptions in the Summary of CAM Reporting Limits may exceed the recommended RL based on sample initial volume or weight provided, % moisture content, or responsiveness of a particular analyte to purge and trap instrumentation.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8260C**Calibration:**

1711046

Analyte quantified by quadratic equation type calibration.

1,2,3-Trichlorobenzene
 1,2,4-Trichlorobenzene
 1,2-Dibromo-3-chloropropane
 2-Hexanone (MBK)
 4-Methyl-2-pentanone (MIBK)
 cis-1,3-Dichloropropene
 Naphthalene
 trans-1,3-Dichloropropene
 trans-1,4-Dichloro-2-butene

SW846 8260C**Calibration:**

1711046

This affected the following samples:

1720373-BLK1
1720373-BS1
1720373-BSD1
GP-1 (20')
GP-1 (56')
GP-2 (29')
GP-2 (52')
GP-5 (34')
GP-5 (68')
GP-6 (39')
GP-6 (56')
GP-7 (48')
GP-7 (62')
S710225-ICV1
S710663-CCV1

Laboratory Control Samples:

1720373 BS/BSD

1,1,2,2-Tetrachloroethane percent recoveries (118/154) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

GP-1 (20')
GP-1 (56')
GP-2 (29')
GP-2 (52')
GP-5 (34')
GP-5 (68')
GP-6 (39')
GP-6 (56')
GP-7 (48')
GP-7 (62')

1,2,3-Trichlorobenzene percent recoveries (132/138) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

GP-1 (20')
GP-1 (56')
GP-2 (29')
GP-2 (52')
GP-5 (34')
GP-5 (68')
GP-6 (39')
GP-6 (56')
GP-7 (48')
GP-7 (62')

SW846 8260C**Laboratory Control Samples:**

1720373 BS/BSD

1,2,3-Trichloropropane percent recoveries (123/155) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

GP-1 (20')
GP-1 (56')
GP-2 (29')
GP-2 (52')
GP-5 (34')
GP-5 (68')
GP-6 (39')
GP-6 (56')
GP-7 (48')
GP-7 (62')

Bromomethane percent recoveries (62/65) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

GP-1 (20')
GP-1 (56')
GP-2 (29')
GP-2 (52')
GP-5 (34')
GP-5 (68')
GP-6 (39')
GP-6 (56')
GP-7 (48')
GP-7 (62')

Hexachlorobutadiene percent recoveries (136/125) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

GP-1 (20')
GP-1 (56')
GP-2 (29')
GP-2 (52')
GP-5 (34')
GP-5 (68')
GP-6 (39')
GP-6 (56')
GP-7 (48')
GP-7 (62')

Naphthalene percent recoveries (111/139) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

GP-1 (20')
GP-1 (56')
GP-2 (29')
GP-2 (52')
GP-5 (34')
GP-5 (68')
GP-6 (39')
GP-6 (56')
GP-7 (48')
GP-7 (62')

SW846 8260C**Laboratory Control Samples:**

1720373 BS/BSD

o-Xylene percent recoveries (112/138) are outside individual acceptance criteria, but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

GP-1 (20')
 GP-1 (56')
 GP-2 (29')
 GP-2 (52')
 GP-5 (34')
 GP-5 (68')
 GP-6 (39')
 GP-6 (56')
 GP-7 (48')
 GP-7 (62')

1720373 BSD

1,1,2,2-Tetrachloroethane RPD 27% (20%) is outside individual acceptance criteria.

1,2,3-Trichloropropane RPD 23% (20%) is outside individual acceptance criteria.

Naphthalene RPD 22% (20%) is outside individual acceptance criteria.

o-Xylene RPD 21% (20%) is outside individual acceptance criteria.

Styrene RPD 21% (20%) is outside individual acceptance criteria.

trans-1,4-Dichloro-2-butene RPD 22% (20%) is outside individual acceptance criteria.

Samples:

S710663-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2,3-Trichloropropane (22.8%)
 Bromomethane (-38.1%)
 Chloromethane (-22.8%)
 Hexachlorobutadiene (36.1%)
 Methylene chloride (-23.9%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

1,2,3-Trichlorobenzene (32.2%)
 1,2-Dibromo-3-chloropropane (20.6%)
 4-Isopropyltoluene (24.2%)

SW846 8260C**Samples:**

S710663-CCV1

This affected the following samples:

1720373-BLK1
1720373-BS1
1720373-BSD1
GP-1 (20')
GP-1 (56')
GP-2 (29')
GP-2 (52')
GP-5 (34')
GP-5 (68')
GP-6 (39')
GP-6 (56')
GP-7 (48')
GP-7 (62')

Sample Acceptance Check Form

Client: GeoInsight, Inc. - Littleton, MA
 Project: Melone Property - North Rd - Sudbury, MA / 7877
 Work Order: SC42065
 Sample(s) received on: 12/4/2017

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were samples received at a temperature of $\leq 6^{\circ}\text{C}$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples refrigerated upon transfer to laboratory representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples accompanied by a Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did sample container labels agree with Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples received within method-specific holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Attachment2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)

Summary of Hits

Lab ID:

Client ID:

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
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No hits detected.

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Attachment2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)

Sample Identification

GP-1 (56') **Client Project #** 7877 **Matrix** Ground Water **Collection Date/Time** 30-Nov-17 09:55 **Received** 04-Dec-17
 SC42065-01

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
Volatile Organic Compounds													
<u>Volatile Organic Compounds by SW846 8260</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.53	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
67-64-1	Acetone	< 10.0		µg/l	10.0	0.80	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
71-43-2	Benzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.90	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	1.07	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.41	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.41	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.44	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.59	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.37	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.86	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.20	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.27	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.21	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.53	1	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

GP-1 (56')	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42065-01	7877	Ground Water	30-Nov-17 09:55	04-Dec-17

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>C</i>
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.36	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.52	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.66	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
100-42-5	Styrene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.57	1	"	"	"	"	"	
108-88-3	Toluene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.47	1	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.38	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.06	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	5.90	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	11.4	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.82	1	"	"	"	"	"	
64-17-5	Ethanol	< 200		µg/l	200	30.9	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	117			70-130 %		"	"	"	"	"	"	
2037-26-5	Toluene-d8	99			70-130 %		"	"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	103			70-130 %		"	"	"	"	"	"	
1868-53-7	Dibromofluoromethane	99			70-130 %		"	"	"	"	"	"	

Sample Identification

GP-1 (20')	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42065-02	7877	Ground Water	30-Nov-17 10:45	04-Dec-17

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>C</i>
Volatile Organic Compounds													
<u>Volatile Organic Compounds by SW846 8260</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.53	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
67-64-1	Acetone	< 10.0		µg/l	10.0	0.80	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
71-43-2	Benzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.90	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	1.07	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.41	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.41	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.44	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.59	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.37	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.86	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.20	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.27	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.21	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.53	1	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

GP-1 (20')	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42065-02	7877	Ground Water	30-Nov-17 10:45	04-Dec-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
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Volatile Organic Compounds**Volatile Organic Compounds by SW846 8260**

98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.36	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.52	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.66	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
100-42-5	Styrene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.57	1	"	"	"	"	"	
108-88-3	Toluene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.47	1	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.38	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.06	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	5.90	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	11.4	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.82	1	"	"	"	"	"	
64-17-5	Ethanol	< 200		µg/l	200	30.9	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	100	70-130 %	"	"	"	"	"
2037-26-5	Toluene-d8	99	70-130 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	107	70-130 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	102	70-130 %	"	"	"	"	"

Sample Identification

GP-2 (52')	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42065-03	7877	Ground Water	30-Nov-17 11:45	04-Dec-17

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>C</i>
Volatile Organic Compounds													
<u>Volatile Organic Compounds by SW846 8260</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.53	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
67-64-1	Acetone	< 10.0		µg/l	10.0	0.80	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
71-43-2	Benzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.90	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	1.07	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.41	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.41	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.44	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.59	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.37	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.86	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.20	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.27	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.21	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.53	1	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

GP-2 (52')	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42065-03	7877	Ground Water	30-Nov-17 11:45	04-Dec-17

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>C</i>
Volatile Organic Compounds													
<u>Volatile Organic Compounds by SW846 8260</u>													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.36	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.52	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.66	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
100-42-5	Styrene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.57	1	"	"	"	"	"	
108-88-3	Toluene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.47	1	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.38	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.06	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	5.90	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	11.4	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.82	1	"	"	"	"	"	
64-17-5	Ethanol	< 200		µg/l	200	30.9	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	99	70-130 %	"	"	"	"	"
2037-26-5	Toluene-d8	100	70-130 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	103	70-130 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	103	70-130 %	"	"	"	"	"

Subcontracted AnalysesSubcontracted AnalysesPrepared by method 411966-SW8

Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

GP-2 (52')	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42065-03	7877	Ground Water	30-Nov-17 11:45	04-Dec-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
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Subcontracted AnalysesSubcontracted AnalysesPrepared by method 411966-SW8*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*

123-91-1	1,4-dioxane	< 0.20		ug/l	0.20	0.20	1	SW8270DSIM	06-Dec-17	08-Dec-17 06:40	M-CT007	411966A	
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Surrogate recoveries:

17647-74-4	% 1,4-dioxane-d8	93			30-130 %			"	"	"	"	"	
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Attachment2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)

Sample Identification

GP-2 (29') Client Project # 7877 Matrix Ground Water Collection Date/Time 30-Nov-17 12:45 Received 04-Dec-17
SC42065-04

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
Volatile Organic Compounds													
<u>Volatile Organic Compounds by SW846 8260</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.53	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
67-64-1	Acetone	< 10.0		µg/l	10.0	0.80	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
71-43-2	Benzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.90	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	1.07	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.41	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.41	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.44	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.59	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.37	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.86	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.20	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.27	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.21	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.53	1	"	"	"	"	"	

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Sample Identification

GP-2 (29') Client Project # 7877 Matrix Ground Water Collection Date/Time 30-Nov-17 12:45 Received 04-Dec-17
SC42065-04

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.36	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.52	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.66	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
100-42-5	Styrene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.57	1	"	"	"	"	"	
108-88-3	Toluene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.47	1	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.38	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.06	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	5.90	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	11.4	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.82	1	"	"	"	"	"	
64-17-5	Ethanol	< 200		µg/l	200	30.9	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	99	70-130 %	"	"	"	"	"
2037-26-5	Toluene-d8	100	70-130 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	106	70-130 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	102	70-130 %	"	"	"	"	"

Sample Identification

GP-5 (68') Client Project # 7877 Matrix Ground Water Collection Date/Time 30-Nov-17 15:55 Received 04-Dec-17
SC42065-05

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
Volatile Organic Compounds													
<u>Volatile Organic Compounds by SW846 8260</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.53	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
67-64-1	Acetone	< 10.0		µg/l	10.0	0.80	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
71-43-2	Benzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.90	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	1.07	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.41	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.41	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.44	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.59	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.37	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.86	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.20	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.27	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.21	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.53	1	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

GP-5 (68') **Client Project #** 7877 **Matrix** Ground Water **Collection Date/Time** 30-Nov-17 15:55 **Received** 04-Dec-17
 SC42065-05

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
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Volatile Organic Compounds**Volatile Organic Compounds by SW846 8260**

98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.36	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.52	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.66	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
100-42-5	Styrene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.57	1	"	"	"	"	"	
108-88-3	Toluene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.47	1	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.38	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.06	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	5.90	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	11.4	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.82	1	"	"	"	"	"	
64-17-5	Ethanol	< 200		µg/l	200	30.9	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	120			70-130 %		"	"	"	"	"	
2037-26-5	Toluene-d8	101			70-130 %		"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	108			70-130 %		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	103			70-130 %		"	"	"	"	"	

Sample Identification

GP-5 (34') Client Project # 7877 Matrix Ground Water Collection Date/Time 30-Nov-17 16:40 Received 04-Dec-17
SC42065-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
Volatile Organic Compounds													
<u>Volatile Organic Compounds by SW846 8260</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.53	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
67-64-1	Acetone	< 10.0		µg/l	10.0	0.80	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
71-43-2	Benzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.90	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	1.07	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.41	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.41	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.44	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.59	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.37	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.86	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.20	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.27	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.21	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.53	1	"	"	"	"	"	

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Sample Identification

GP-5 (34')
SC42065-06

Client Project #
7877

Matrix
Ground Water

Collection Date/Time
30-Nov-17 16:40

Received
04-Dec-17

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>C</i>
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.36	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.52	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.66	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
100-42-5	Styrene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.57	1	"	"	"	"	"	
108-88-3	Toluene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.47	1	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.38	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.06	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	5.90	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	11.4	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.82	1	"	"	"	"	"	
64-17-5	Ethanol	< 200		µg/l	200	30.9	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	99			70-130 %		"	"	"	"	"	"	
2037-26-5	Toluene-d8	99			70-130 %		"	"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	109			70-130 %		"	"	"	"	"	"	
1868-53-7	Dibromofluoromethane	103			70-130 %		"	"	"	"	"	"	

Sample Identification

GP-6 (56') Client Project # 7877 Matrix Ground Water Collection Date/Time 01-Dec-17 09:12 Received 04-Dec-17
SC42065-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
Volatile Organic Compounds													
<u>Volatile Organic Compounds by SW846 8260</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.53	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
67-64-1	Acetone	< 10.0		µg/l	10.0	0.80	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
71-43-2	Benzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.90	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	1.07	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.41	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.41	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.44	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.59	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.37	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.86	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.20	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.27	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.21	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.53	1	"	"	"	"	"	

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Sample Identification

GP-6 (56')	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42065-07	7877	Ground Water	01-Dec-17 09:12	04-Dec-17

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>C</i>
Volatile Organic Compounds													
<u>Volatile Organic Compounds by SW846 8260</u>													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.36	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.52	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.66	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
100-42-5	Styrene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.57	1	"	"	"	"	"	
108-88-3	Toluene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.47	1	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.38	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.06	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	5.90	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	11.4	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.82	1	"	"	"	"	"	
64-17-5	Ethanol	< 200		µg/l	200	30.9	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	101	70-130 %	"	"	"	"	"
2037-26-5	Toluene-d8	100	70-130 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	107	70-130 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	100	70-130 %	"	"	"	"	"

Subcontracted AnalysesSubcontracted AnalysesPrepared by method 411966-SW8

Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007

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Sample Identification

GP-6 (56')	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42065-07	7877	Ground Water	01-Dec-17 09:12	04-Dec-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
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Subcontracted AnalysesSubcontracted AnalysesPrepared by method 411966-SW8*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*

123-91-1	1,4-dioxane	< 0.20		ug/l	0.20	0.20	1	SW8270DSIM	06-Dec-17	08-Dec-17 18:04	M-CT007	411966A	
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Surrogate recoveries:

17647-74-4	% 1,4-dioxane-d8	85			30-130 %			"	"	"	"	"	
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Attachment2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)

Sample Identification

GP-6 (39')	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42065-08	7877	Ground Water	01-Dec-17 10:20	04-Dec-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
Volatile Organic Compounds													
<u>Volatile Organic Compounds by SW846 8260</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.53	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
67-64-1	Acetone	< 10.0		µg/l	10.0	0.80	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
71-43-2	Benzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.90	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	1.07	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.41	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.41	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.44	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.59	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.37	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.86	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.20	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.27	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.21	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.53	1	"	"	"	"	"	

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Sample Identification

GP-6 (39') Client Project # 7877 Matrix Ground Water Collection Date/Time 01-Dec-17 10:20 Received 04-Dec-17
SC42065-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.36	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.52	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.66	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
100-42-5	Styrene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.57	1	"	"	"	"	"	
108-88-3	Toluene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.47	1	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.38	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.06	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	5.90	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	11.4	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.82	1	"	"	"	"	"	
64-17-5	Ethanol	< 200		µg/l	200	30.9	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	122			70-130 %		"	"	"	"	"	"	
2037-26-5	Toluene-d8	99			70-130 %		"	"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	106			70-130 %		"	"	"	"	"	"	
1868-53-7	Dibromofluoromethane	101			70-130 %		"	"	"	"	"	"	

Sample Identification

GP-7 (62') Client Project # 7877 Matrix Ground Water Collection Date/Time 01-Dec-17 12:25 Received 04-Dec-17
SC42065-09

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
Volatile Organic Compounds													
<u>Volatile Organic Compounds by SW846 8260</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.53	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
67-64-1	Acetone	< 10.0		µg/l	10.0	0.80	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
71-43-2	Benzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.90	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	1.07	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.41	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.41	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.44	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.59	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.37	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.86	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.20	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.27	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.21	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.53	1	"	"	"	"	"	

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Sample Identification

GP-7 (62')	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42065-09	7877	Ground Water	01-Dec-17 12:25	04-Dec-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
Volatile Organic Compounds													
<u>Volatile Organic Compounds by SW846 8260</u>													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.36	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.52	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.66	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
100-42-5	Styrene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.57	1	"	"	"	"	"	
108-88-3	Toluene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.47	1	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.38	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.06	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	5.90	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	11.4	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.82	1	"	"	"	"	"	
64-17-5	Ethanol	< 200		µg/l	200	30.9	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	99	70-130 %	"	"	"	"	"
2037-26-5	Toluene-d8	99	70-130 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	108	70-130 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	102	70-130 %	"	"	"	"	"

Subcontracted AnalysesSubcontracted AnalysesPrepared by method 411966-SW8

Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007

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Sample Identification

GP-7 (62')	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42065-09	7877	Ground Water	01-Dec-17 12:25	04-Dec-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
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Subcontracted AnalysesSubcontracted AnalysesPrepared by method 411966-SW8*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*

123-91-1	1,4-dioxane	< 0.20		ug/l	0.20	0.20	1	SW8270DSIM	06-Dec-17	08-Dec-17 18:49	M-CT007	411966A	
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Surrogate recoveries:

17647-74-4	% 1,4-dioxane-d8	87			30-130 %			"	"	"	"	"	
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Attachment2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)

Sample Identification

GP-7 (48') Client Project # 7877 Matrix Ground Water Collection Date/Time 01-Dec-17 13:55 Received 04-Dec-17
SC42065-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
Volatile Organic Compounds													
<u>Volatile Organic Compounds by SW846 8260</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.53	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
67-64-1	Acetone	< 10.0		µg/l	10.0	0.80	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
71-43-2	Benzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.90	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	1.07	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.41	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.41	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.44	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.59	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.37	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.86	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.20	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.27	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.21	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.53	1	"	"	"	"	"	

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Sample Identification

GP-7 (48') **Client Project #** 7877 **Matrix** Ground Water **Collection Date/Time** 01-Dec-17 13:55 **Received** 04-Dec-17
 SC42065-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.36	1	SW846 8260C	07-Dec-17	08-Dec-17	GMA	1720373	
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.52	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.66	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
100-42-5	Styrene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.57	1	"	"	"	"	"	
108-88-3	Toluene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.47	1	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.38	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.06	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	5.90	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	11.4	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.82	1	"	"	"	"	"	
64-17-5	Ethanol	< 200		µg/l	200	30.9	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	99			70-130 %		"	"	"	"	"	"	
2037-26-5	Toluene-d8	101			70-130 %		"	"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	107			70-130 %		"	"	"	"	"	"	
1868-53-7	Dibromofluoromethane	103			70-130 %		"	"	"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1720373 - SW846 5030 Water MS										
Blank (1720373-BLK1)					<u>Prepared & Analyzed: 07-Dec-17</u>					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.50		µg/l	0.50						
Benzene	< 1.00		µg/l	1.00						
Bromobenzene	< 1.00		µg/l	1.00						
Bromochloromethane	< 1.00		µg/l	1.00						
Bromodichloromethane	< 0.50		µg/l	0.50						
Bromoform	< 1.00		µg/l	1.00						
Bromomethane	< 2.00		µg/l	2.00						
2-Butanone (MEK)	< 2.00		µg/l	2.00						
n-Butylbenzene	< 1.00		µg/l	1.00						
sec-Butylbenzene	< 1.00		µg/l	1.00						
tert-Butylbenzene	< 1.00		µg/l	1.00						
Carbon disulfide	< 2.00		µg/l	2.00						
Carbon tetrachloride	< 1.00		µg/l	1.00						
Chlorobenzene	< 1.00		µg/l	1.00						
Chloroethane	< 2.00		µg/l	2.00						
Chloroform	< 1.00		µg/l	1.00						
Chloromethane	< 2.00		µg/l	2.00						
2-Chlorotoluene	< 1.00		µg/l	1.00						
4-Chlorotoluene	< 1.00		µg/l	1.00						
1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 1.00		µg/l	1.00						
1,2-Dichlorobenzene	< 1.00		µg/l	1.00						
1,3-Dichlorobenzene	< 1.00		µg/l	1.00						
1,4-Dichlorobenzene	< 1.00		µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00						
1,1-Dichloroethane	< 1.00		µg/l	1.00						
1,2-Dichloroethane	< 1.00		µg/l	1.00						
1,1-Dichloroethene	< 1.00		µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00		µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00		µg/l	1.00						
1,2-Dichloropropane	< 1.00		µg/l	1.00						
1,3-Dichloropropane	< 1.00		µg/l	1.00						
2,2-Dichloropropane	< 1.00		µg/l	1.00						
1,1-Dichloropropene	< 1.00		µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 1.00		µg/l	1.00						
Hexachlorobutadiene	< 0.50		µg/l	0.50						
2-Hexanone (MBK)	< 2.00		µg/l	2.00						
Isopropylbenzene	< 1.00		µg/l	1.00						
4-Isopropyltoluene	< 1.00		µg/l	1.00						
Methyl tert-butyl ether	< 1.00		µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00						
Methylene chloride	< 2.00		µg/l	2.00						
Naphthalene	< 1.00		µg/l	1.00						
n-Propylbenzene	< 1.00		µg/l	1.00						

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1720373 - SW846 5030 Water MS										
Blank (1720373-BLK1)					Prepared & Analyzed: 07-Dec-17					
Styrene	< 1.00		µg/l	1.00						
1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00						
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 1.00		µg/l	1.00						
Toluene	< 1.00		µg/l	1.00						
1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00						
1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00						
1,1,1-Trichloroethane	< 1.00		µg/l	1.00						
1,1,2-Trichloroethane	< 1.00		µg/l	1.00						
Trichloroethene	< 1.00		µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00						
1,2,3-Trichloropropane	< 1.00		µg/l	1.00						
1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00						
1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00						
Vinyl chloride	< 1.00		µg/l	1.00						
m,p-Xylene	< 2.00		µg/l	2.00						
o-Xylene	< 1.00		µg/l	1.00						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Ethyl ether	< 1.00		µg/l	1.00						
Tert-amyl methyl ether	< 1.00		µg/l	1.00						
Ethyl tert-butyl ether	< 1.00		µg/l	1.00						
Di-isopropyl ether	< 1.00		µg/l	1.00						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
1,4-Dioxane	< 20.0		µg/l	20.0						
trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00						
Ethanol	< 200		µg/l	200						
Surrogate: 4-Bromofluorobenzene	49.5		µg/l		50.0		99	70-130		
Surrogate: Toluene-d8	49.8		µg/l		50.0		100	70-130		
Surrogate: 1,2-Dichloroethane-d4	52.0		µg/l		50.0		104	70-130		
Surrogate: Dibromofluoromethane	51.0		µg/l		50.0		102	70-130		
LCS (1720373-BS1)					Prepared & Analyzed: 07-Dec-17					
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.6		µg/l		20.0		98	70-130		
Acetone	19.6		µg/l		20.0		98	70-130		
Acrylonitrile	16.6		µg/l		20.0		83	70-130		
Benzene	21.3		µg/l		20.0		107	70-130		
Bromobenzene	21.2		µg/l		20.0		106	70-130		
Bromochloromethane	20.8		µg/l		20.0		104	70-130		
Bromodichloromethane	21.2		µg/l		20.0		106	70-130		
Bromoform	20.9		µg/l		20.0		105	70-130		
Bromomethane	12.4		µg/l		20.0		62	70-130		
2-Butanone (MEK)	20.6		µg/l		20.0		103	70-130		
n-Butylbenzene	20.0		µg/l		20.0		100	70-130		
sec-Butylbenzene	20.8		µg/l		20.0		104	70-130		
tert-Butylbenzene	20.7		µg/l		20.0		103	70-130		
Carbon disulfide	21.2		µg/l		20.0		106	70-130		
Carbon tetrachloride	20.8		µg/l		20.0		104	70-130		
Chlorobenzene	20.4		µg/l		20.0		102	70-130		
Chloroethane	17.0		µg/l		20.0		85	70-130		
Chloroform	20.4		µg/l		20.0		102	70-130		

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1720373 - SW846 5030 Water MS										
LCS (1720373-BS1)					Prepared & Analyzed: 07-Dec-17					
Chloromethane	15.4		µg/l		20.0		77	70-130		
2-Chlorotoluene	21.8		µg/l		20.0		109	70-130		
4-Chlorotoluene	22.2		µg/l		20.0		111	70-130		
1,2-Dibromo-3-chloropropane	24.1		µg/l		20.0		121	70-130		
Dibromochloromethane	22.3		µg/l		20.0		111	70-130		
1,2-Dibromoethane (EDB)	23.0		µg/l		20.0		115	70-130		
Dibromomethane	21.6		µg/l		20.0		108	70-130		
1,2-Dichlorobenzene	22.6		µg/l		20.0		113	70-130		
1,3-Dichlorobenzene	21.2		µg/l		20.0		106	70-130		
1,4-Dichlorobenzene	21.3		µg/l		20.0		106	70-130		
Dichlorodifluoromethane (Freon12)	18.7		µg/l		20.0		93	70-130		
1,1-Dichloroethane	20.7		µg/l		20.0		104	70-130		
1,2-Dichloroethane	21.8		µg/l		20.0		109	70-130		
1,1-Dichloroethene	17.6		µg/l		20.0		88	70-130		
cis-1,2-Dichloroethene	20.9		µg/l		20.0		104	70-130		
trans-1,2-Dichloroethene	19.8		µg/l		20.0		99	70-130		
1,2-Dichloropropane	21.4		µg/l		20.0		107	70-130		
1,3-Dichloropropane	22.3		µg/l		20.0		112	70-130		
2,2-Dichloropropane	19.7		µg/l		20.0		99	70-130		
1,1-Dichloropropene	21.2		µg/l		20.0		106	70-130		
cis-1,3-Dichloropropene	19.6		µg/l		20.0		98	70-130		
trans-1,3-Dichloropropene	19.9		µg/l		20.0		99	70-130		
Ethylbenzene	21.8		µg/l		20.0		109	70-130		
Hexachlorobutadiene	27.2	QM9	µg/l		20.0		136	70-130		
2-Hexanone (MBK)	22.8		µg/l		20.0		114	70-130		
Isopropylbenzene	21.2		µg/l		20.0		106	70-130		
4-Isopropyltoluene	24.8		µg/l		20.0		124	70-130		
Methyl tert-butyl ether	20.7		µg/l		20.0		104	70-130		
4-Methyl-2-pentanone (MIBK)	22.8		µg/l		20.0		114	70-130		
Methylene chloride	15.2		µg/l		20.0		76	70-130		
Naphthalene	22.3		µg/l		20.0		111	70-130		
n-Propylbenzene	20.8		µg/l		20.0		104	70-130		
Styrene	20.1		µg/l		20.0		101	70-130		
1,1,1,2-Tetrachloroethane	21.0		µg/l		20.0		105	70-130		
1,1,2,2-Tetrachloroethane	23.5		µg/l		20.0		118	70-130		
Tetrachloroethene	19.9		µg/l		20.0		99	70-130		
Toluene	21.3		µg/l		20.0		106	70-130		
1,2,3-Trichlorobenzene	26.4	QC2	µg/l		20.0		132	70-130		
1,2,4-Trichlorobenzene	20.3		µg/l		20.0		102	70-130		
1,3,5-Trichlorobenzene	21.5		µg/l		20.0		108	70-130		
1,1,1-Trichloroethane	21.1		µg/l		20.0		105	70-130		
1,1,2-Trichloroethane	22.3		µg/l		20.0		112	70-130		
Trichloroethene	20.9		µg/l		20.0		105	70-130		
Trichlorofluoromethane (Freon 11)	19.4		µg/l		20.0		97	70-130		
1,2,3-Trichloropropane	24.6		µg/l		20.0		123	70-130		
1,2,4-Trimethylbenzene	20.7		µg/l		20.0		103	70-130		
1,3,5-Trimethylbenzene	20.6		µg/l		20.0		103	70-130		
Vinyl chloride	16.4		µg/l		20.0		82	70-130		
m,p-Xylene	22.3		µg/l		20.0		112	70-130		
o-Xylene	22.3		µg/l		20.0		112	70-130		

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1720373 - SW846 5030 Water MS										
LCS (1720373-BS1)					<u>Prepared & Analyzed: 07-Dec-17</u>					
Tetrahydrofuran	23.0		µg/l		20.0		115	70-130		
Ethyl ether	18.4		µg/l		20.0		92	70-130		
Tert-amyl methyl ether	20.4		µg/l		20.0		102	70-130		
Ethyl tert-butyl ether	20.4		µg/l		20.0		102	70-130		
Di-isopropyl ether	21.1		µg/l		20.0		105	70-130		
Tert-Butanol / butyl alcohol	190		µg/l		200		95	70-130		
1,4-Dioxane	210		µg/l		200		105	70-130		
trans-1,4-Dichloro-2-butene	20.6		µg/l		20.0		103	70-130		
Ethanol	364		µg/l		400		91	70-130		
Surrogate: 4-Bromofluorobenzene	49.4		µg/l		50.0		99	70-130		
Surrogate: Toluene-d8	49.9		µg/l		50.0		100	70-130		
Surrogate: 1,2-Dichloroethane-d4	52.7		µg/l		50.0		105	70-130		
Surrogate: Dibromofluoromethane	50.1		µg/l		50.0		100	70-130		
LCS Dup (1720373-BSD1)					<u>Prepared & Analyzed: 07-Dec-17</u>					
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.4		µg/l		20.0		102	70-130	4	20
Acetone	18.4		µg/l		20.0		92	70-130	6	20
Acrylonitrile	14.6		µg/l		20.0		73	70-130	13	20
Benzene	20.8		µg/l		20.0		104	70-130	2	20
Bromobenzene	25.7		µg/l		20.0		128	70-130	19	20
Bromochloromethane	20.0		µg/l		20.0		100	70-130	4	20
Bromodichloromethane	20.3		µg/l		20.0		101	70-130	5	20
Bromoform	22.2		µg/l		20.0		111	70-130	6	20
Bromomethane	12.9		µg/l		20.0		65	70-130	4	20
2-Butanone (MEK)	21.6		µg/l		20.0		108	70-130	5	20
n-Butylbenzene	20.9		µg/l		20.0		104	70-130	4	20
sec-Butylbenzene	25.1		µg/l		20.0		125	70-130	19	20
tert-Butylbenzene	21.2		µg/l		20.0		106	70-130	2	20
Carbon disulfide	20.8		µg/l		20.0		104	70-130	2	20
Carbon tetrachloride	20.2		µg/l		20.0		101	70-130	3	20
Chlorobenzene	20.6		µg/l		20.0		103	70-130	0.7	20
Chloroethane	15.7		µg/l		20.0		78	70-130	8	20
Chloroform	19.8		µg/l		20.0		99	70-130	3	20
Chloromethane	15.4		µg/l		20.0		77	70-130	0.4	20
2-Chlorotoluene	21.6		µg/l		20.0		108	70-130	0.9	20
4-Chlorotoluene	21.8		µg/l		20.0		109	70-130	2	20
1,2-Dibromo-3-chloropropane	25.7		µg/l		20.0		129	70-130	6	20
Dibromochloromethane	21.8		µg/l		20.0		109	70-130	2	20
1,2-Dibromoethane (EDB)	22.3		µg/l		20.0		112	70-130	3	20
Dibromomethane	21.4		µg/l		20.0		107	70-130	1	20
1,2-Dichlorobenzene	24.0		µg/l		20.0		120	70-130	6	20
1,3-Dichlorobenzene	25.1		µg/l		20.0		126	70-130	17	20
1,4-Dichlorobenzene	22.2		µg/l		20.0		111	70-130	4	20
Dichlorodifluoromethane (Freon12)	18.7		µg/l		20.0		94	70-130	0.2	20
1,1-Dichloroethane	20.0		µg/l		20.0		100	70-130	3	20
1,2-Dichloroethane	21.4		µg/l		20.0		107	70-130	1	20
1,1-Dichloroethene	16.8		µg/l		20.0		84	70-130	5	20
cis-1,2-Dichloroethene	21.1		µg/l		20.0		105	70-130	0.9	20
trans-1,2-Dichloroethene	19.7		µg/l		20.0		98	70-130	0.5	20
1,2-Dichloropropane	20.2		µg/l		20.0		101	70-130	5	20
1,3-Dichloropropane	22.0		µg/l		20.0		110	70-130	2	20

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1720373 - SW846 5030 Water MS										
LCS Dup (1720373-BSD1)					Prepared & Analyzed: 07-Dec-17					
2,2-Dichloropropane	18.2		µg/l		20.0		91	70-130	8	20
1,1-Dichloropropene	20.2		µg/l		20.0		101	70-130	4	20
cis-1,3-Dichloropropene	19.1		µg/l		20.0		95	70-130	2	20
trans-1,3-Dichloropropene	19.4		µg/l		20.0		97	70-130	2	20
Ethylbenzene	21.4		µg/l		20.0		107	70-130	2	20
Hexachlorobutadiene	25.1		µg/l		20.0		125	70-130	8	20
2-Hexanone (MBK)	23.9		µg/l		20.0		119	70-130	5	20
Isopropylbenzene	25.6		µg/l		20.0		128	70-130	19	20
4-Isopropyltoluene	25.8		µg/l		20.0		129	70-130	4	20
Methyl tert-butyl ether	20.5		µg/l		20.0		103	70-130	1	20
4-Methyl-2-pentanone (MIBK)	22.9		µg/l		20.0		114	70-130	0.2	20
Methylene chloride	17.7		µg/l		20.0		89	70-130	15	20
Naphthalene	27.8	QM9, QR5	µg/l		20.0		139	70-130	22	20
n-Propylbenzene	22.9		µg/l		20.0		114	70-130	9	20
Styrene	24.9	QR2	µg/l		20.0		125	70-130	21	20
1,1,1,2-Tetrachloroethane	21.0		µg/l		20.0		105	70-130	0	20
1,1,2,2-Tetrachloroethane	30.8	QM9, QR5	µg/l		20.0		154	70-130	27	20
Tetrachloroethene	19.8		µg/l		20.0		99	70-130	0.5	20
Toluene	20.6		µg/l		20.0		103	70-130	3	20
1,2,3-Trichlorobenzene	27.5	QC2	µg/l		20.0		138	70-130	4	20
1,2,4-Trichlorobenzene	20.6		µg/l		20.0		103	70-130	1	20
1,3,5-Trichlorobenzene	21.9		µg/l		20.0		109	70-130	2	20
1,1,1-Trichloroethane	19.7		µg/l		20.0		99	70-130	7	20
1,1,2-Trichloroethane	21.6		µg/l		20.0		108	70-130	3	20
Trichloroethene	20.2		µg/l		20.0		101	70-130	3	20
Trichlorofluoromethane (Freon 11)	17.8		µg/l		20.0		89	70-130	8	20
1,2,3-Trichloropropane	31.1	QM9, QR5	µg/l		20.0		155	70-130	23	20
1,2,4-Trimethylbenzene	20.4		µg/l		20.0		102	70-130	1	20
1,3,5-Trimethylbenzene	20.5		µg/l		20.0		103	70-130	0.6	20
Vinyl chloride	15.4		µg/l		20.0		77	70-130	6	20
m,p-Xylene	21.7		µg/l		20.0		108	70-130	3	20
o-Xylene	27.7	QM9, QR5	µg/l		20.0		138	70-130	21	20
Tetrahydrofuran	22.4		µg/l		20.0		112	70-130	3	20
Ethyl ether	17.8		µg/l		20.0		89	70-130	3	20
Tert-amyl methyl ether	19.4		µg/l		20.0		97	70-130	5	20
Ethyl tert-butyl ether	20.8		µg/l		20.0		104	70-130	2	20
Di-isopropyl ether	20.9		µg/l		20.0		104	70-130	1	20
Tert-Butanol / butyl alcohol	197		µg/l		200		98	70-130	4	20
1,4-Dioxane	197		µg/l		200		98	70-130	7	20
trans-1,4-Dichloro-2-butene	25.6	QR2	µg/l		20.0		128	70-130	22	20
Ethanol	378		µg/l		400		95	70-130	4	20
Surrogate: 4-Bromofluorobenzene	60.8		µg/l		50.0		122	70-130		
Surrogate: Toluene-d8	50.4		µg/l		50.0		101	70-130		
Surrogate: 1,2-Dichloroethane-d4	51.3		µg/l		50.0		103	70-130		
Surrogate: Dibromofluoromethane	49.3		µg/l		50.0		99	70-130		

Attachment2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)

Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>SW8270DSIM</u>										
Batch 411966A - 411966-SW8										
<u>BLK (BZ51277-BLK)</u>					<u>Prepared: 06-Dec-17 Analyzed: 08-Dec-17</u>					
1,4-dioxane	ND		ug/l	0.25				-		
Surrogate: % 1,4-dioxane-d8	83		ug/l		5			30-130		
<u>LCS (BZ51277-LCS)</u>					<u>Prepared: 06-Dec-17 Analyzed: 08-Dec-17</u>					
1,4-dioxane	2.168		ug/l	0.25	2.5		87	30-130		20
Surrogate: % 1,4-dioxane-d8	4.376		ug/l		5		88	30-130		
<u>LCSD (BZ51277-LCSD)</u>					<u>Prepared: 06-Dec-17 Analyzed: 08-Dec-17</u>					
1,4-dioxane	2.278		%	%	2.5		91	30-130	4.5	20
Surrogate: % 1,4-dioxane-d8	4.568		%		5		91	30-130		
<u>MS (BZ51277-MS)</u>				<u>Source: SC42065-03</u>		<u>Prepared: 06-Dec-17 Analyzed: 08-Dec-17</u>				
1,4-dioxane	2.213		ug/l	0.25	2.5	BRL	89	30-130		20
Surrogate: % 1,4-dioxane-d8	4.546		ug/l		5		91	30-130		
<u>MSD (BZ51277-MSD)</u>				<u>Source: SC42065-03</u>		<u>Prepared: 06-Dec-17 Analyzed: 08-Dec-17</u>				
1,4-dioxane	2.251		%	%	2.5	BRL	90	30-130	1.1	20
Surrogate: % 1,4-dioxane-d8	4.787		%		5		96	30-130		

Notes and Definitions

QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR5	RPD out of acceptance range.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Packet Pg. 85Rev. Nov 2016

Batch Summary

1720373

Volatile Organic Compounds

1720373-BLK1

1720373-BS1

1720373-BSD1

SC42065-01 (GP-1 (56'))

SC42065-02 (GP-1 (20'))

SC42065-03 (GP-2 (52'))

SC42065-04 (GP-2 (29'))

SC42065-05 (GP-5 (68'))

SC42065-06 (GP-5 (34'))

SC42065-07 (GP-6 (56'))

SC42065-08 (GP-6 (39'))

SC42065-09 (GP-7 (62'))

SC42065-10 (GP-7 (48'))

411966A

Subcontracted Analyses

BZ51277-BLK

BZ51277-LCS

BZ51277-LCSD

BZ51277-MS

BZ51277-MSD

SC42065-03 (GP-2 (52'))

SC42065-07 (GP-6 (56'))

SC42065-09 (GP-7 (62'))

S710225

Volatile Organic Compounds

S710225-CAL1

S710225-CAL2

S710225-CAL3

S710225-CAL4

S710225-CAL5

S710225-CAL6

S710225-CAL7

S710225-CAL8

S710225-CAL9

S710225-CALA

S710225-CALB

S710225-ICV1

S710225-LCV1

S710225-LCV2

S710225-TUN1

S710663

Volatile Organic Compounds

S710663-CCV1

S710663-TUN1

☒ Final Report
☐ Revised Report

Report Date:
15-Dec-17 14:10

Laboratory Report SC42066

GeoInsight, Inc.
1 Monarch Drive, Suite 201
Littleton, MA 01460
Attn: Joel Trifilo

Project: Melone Property - North Rd - Sudbury, MA
Project #: 7877

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2972/2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00348
USDA # P330-15-00375
Vermont # VT-11393



Authorized by:
Rebecca Merz
Quality Services Manager



Eurofins Spectrum Analytical holds primary certification in the State of Massachusetts for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of Massachusetts does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 29 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

Eurofins Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Spectrum Analytical, Inc. is currently accredited for the specific method or analyte indicated. Please refer to our Quality web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Eurofins Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (PA-68-04426).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.


Sample Summary

Work Order: SC42066
Project: Melone Property - North Rd - Sudbury, MA
Project Number: 7877

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SC42066-01	SS-1 (0-2)	Soil	30-Nov-17 10:10	04-Dec-17 14:20
SC42066-02	SS-2 (0-2)	Soil	30-Nov-17 10:40	04-Dec-17 14:20
SC42066-03	SS-3 (0-2)	Soil	30-Nov-17 11:05	04-Dec-17 14:20
SC42066-04	SS-4 (0-2)	Soil	30-Nov-17 11:35	04-Dec-17 14:20
SC42066-05	SS-5 (0-2)	Soil	30-Nov-17 12:05	04-Dec-17 14:20
SC42066-06	SS-6 (0-2)	Soil	30-Nov-17 13:30	04-Dec-17 14:20
SC42066-07	SS-7 (0-2)	Soil	30-Nov-17 13:55	04-Dec-17 14:20
SC42066-08	SS-8 (0-2)	Soil	30-Nov-17 14:25	04-Dec-17 14:20

Attachment2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)

MassDEP Analytical Protocol Certification Form

Laboratory Name: Eurofins Spectrum Analytical, Inc.			Project #: 7877		
Project Location: Melone Property - North Rd - Sudbury, MA			RTN:		
This form provides certifications for the following data set:			SC42066-01 through SC42066-08		
Matrices: Soil					
CAM Protocol					
8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	✓ 8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	✓ 8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
✓ 6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A	9012 Total Cyanide/PAC CAM VI A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B
<i>Affirmative responses to questions A through F are required for Presumptive Certainty's status</i>					
A	Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?				✓ Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?				✓ Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?				✓ Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?				✓ Yes No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?				Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to questions A through E)?				✓ Yes No
<i>Responses to questions G, H and I below are required for Presumptive Certainty's status</i>					
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?				Yes ✓ No
Data User Note: Data that achieve Presumptive Certainty's status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.					
H	Were all QC performance standards specified in the CAM protocol(s) achieved?				Yes ✓ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?				Yes ✓ No
<i>All negative responses are addressed in a case narrative on the cover page of this report.</i>					
<p><i>I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.</i></p> <div style="text-align: right; margin-top: 20px;">  Dawn E. Wojcik Laboratory Director Date: 12/15/2017 </div>					

CASE NARRATIVE:

Data has been reported to the RDL. This report excludes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

The samples were received 2.5 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group. If method or program required MS/MSD/Dup were not performed, sufficient sample was not provided to the laboratory.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

According to WSC-CAM 5/2009 Rev.1, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended recovery range, a range has been set based on historical control limits.

Some target analytes which are not listed as exceptions in the Summary of CAM Reporting Limits may exceed the recommended RL based on sample initial volume or weight provided, % moisture content, or responsiveness of a particular analyte to purge and trap instrumentation.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 6010C**Spikes:**

1720443-MS1 *Source: SC42066-01*

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Arsenic

1720443-MSD1 *Source: SC42066-01*

Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.

Arsenic

Duplicates:

1720443-DUP1 *Source: SC42066-01*

Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.

Arsenic

SW846 8081B**Samples:**

SC42066-05 *SS-5 (0-2)*

Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

4,4-DB-Octafluorobiphenyl (Sr)

Sample Acceptance Check Form

Client: GeoInsight, Inc. - Littleton, MA
 Project: Melone Property - North Rd - Sudbury, MA / 7877
 Work Order: SC42066
 Sample(s) received on: 12/4/2017

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were samples received at a temperature of $\leq 6^{\circ}\text{C}$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples refrigerated upon transfer to laboratory representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples accompanied by a Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did sample container labels agree with Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples received within method-specific holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Attachment2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)

Summary of Hits

Lab ID: SC42066-01

Client ID: SS-1 (0-2)

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	3.90		1.57	mg/kg	SW846 6010C

Lab ID: SC42066-02

Client ID: SS-2 (0-2)

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	20.8		1.74	mg/kg	SW846 6010C

Lab ID: SC42066-03

Client ID: SS-3 (0-2)

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	8.37		1.80	mg/kg	SW846 6010C

Lab ID: SC42066-04

Client ID: SS-4 (0-2)

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	9.58		1.68	mg/kg	SW846 6010C

Lab ID: SC42066-05

Client ID: SS-5 (0-2)

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	3.45		1.62	mg/kg	SW846 6010C

Lab ID: SC42066-06

Client ID: SS-6 (0-2)

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	16.0		1.85	mg/kg	SW846 6010C

Lab ID: SC42066-07

Client ID: SS-7 (0-2)

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	2.84		1.57	mg/kg	SW846 6010C

Lab ID: SC42066-08

Client ID: SS-8 (0-2)

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Arsenic	2.89		1.56	mg/kg	SW846 6010C

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Sample Identification

SS-1 (0-2)	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42066-01	7877	Soil	30-Nov-17 10:10	04-Dec-17

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>C</i>
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PesticidesOrganochlorine PesticidesPrepared by method SW846 3546

319-84-6	alpha-BHC	< 5.24		µg/kg dry	5.24	1.40	1	SW846 8081B	05-Dec-17	06-Dec-17	SM	1720199	
319-85-7	beta-BHC	< 5.24		µg/kg dry	5.24	2.07	1	"	"	"	"	"	
319-86-8	delta-BHC	< 5.24		µg/kg dry	5.24	1.51	1	"	"	"	"	"	
58-89-9	gamma-BHC (Lindane)	< 3.14		µg/kg dry	3.14	1.51	1	"	"	"	"	"	
76-44-8	Heptachlor	< 5.24		µg/kg dry	5.24	1.75	1	"	"	"	"	"	
309-00-2	Aldrin	< 5.24		µg/kg dry	5.24	1.61	1	"	"	"	"	"	
1024-57-3	Heptachlor epoxide	< 5.24		µg/kg dry	5.24	1.85	1	"	"	"	"	"	
959-98-8	Endosulfan I	< 5.24		µg/kg dry	5.24	1.84	1	"	"	"	"	"	
60-57-1	Dieldrin	< 5.24		µg/kg dry	5.24	1.84	1	"	"	"	"	"	
72-55-9	4,4'-DDE (p,p')	< 5.24		µg/kg dry	5.24	1.65	1	"	"	"	"	"	
72-20-8	Endrin	< 8.38		µg/kg dry	8.38	1.84	1	"	"	"	"	"	
33213-65-9	Endosulfan II	< 8.38		µg/kg dry	8.38	1.97	1	"	"	"	"	"	
72-54-8	4,4'-DDD (p,p')	< 8.38		µg/kg dry	8.38	1.82	1	"	"	"	"	"	
1031-07-8	Endosulfan sulfate	< 8.38		µg/kg dry	8.38	1.75	1	"	"	"	"	"	
50-29-3	4,4'-DDT (p,p')	< 8.38		µg/kg dry	8.38	1.61	1	"	"	"	"	"	
72-43-5	Methoxychlor	< 8.38		µg/kg dry	8.38	1.85	1	"	"	"	"	"	
53494-70-5	Endrin ketone	< 8.38		µg/kg dry	8.38	1.88	1	"	"	"	"	"	
7421-93-4	Endrin aldehyde	< 8.38		µg/kg dry	8.38	1.75	1	"	"	"	"	"	
5103-71-9	alpha-Chlordane	< 5.24		µg/kg dry	5.24	1.79	1	"	"	"	"	"	
5103-74-2	Chlordane (gamma)(trans)	< 5.24		µg/kg dry	5.24	1.88	1	"	"	"	"	"	
8001-35-2	Toxaphene	< 105		µg/kg dry	105	22.6	1	"	"	"	"	"	
57-74-9	Chlordane	< 20.9		µg/kg dry	20.9	20.7	1	"	"	"	"	"	
15972-60-8	Alachlor	< 5.24		µg/kg dry	5.24	2.57	1	"	"	"	"	"	

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	39			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	43			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	44			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	45			30-150 %			"	"	"	"	"	

Total Metals by EPA 6000/7000 Series MethodsPrepared by method SW846 3050B

7440-38-2	Arsenic	3.90		mg/kg dry	1.57	0.199	1	SW846 6010C	11-Dec-17	14-Dec-17	SJR/TBC	1720443	
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General Chemistry Parameters

% Solids	95.2		%				1	SM2540 G (11) Mod.	04-Dec-17	04-Dec-17	BD	1720176	
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Subcontracted AnalysesSubcontracted AnalysesPrepared by method 411796-Methylation date: 05-Dec-17*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*

93-76-5	2,4,5-T	< 87		ug/kg	87	87	10	SW8151A	05-Dec-17	06-Dec-17 16:17	M-CT007	411796A	
93-72-1	2,4,5-TP (Silvex)	< 87		ug/kg	87	87	10	"	"	"	"	"	
94-75-7	2,4-D	< 170		ug/kg	170	170	10	"	"	"	"	"	
94-82-6	2,4-DB	< 870		ug/kg	870	870	10	"	"	"	"	"	
75-99-0	Dalapon	< 87		ug/kg	87	87	10	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

SS-1 (0-2)	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42066-01	7877	Soil	30-Nov-17 10:10	04-Dec-17

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>*RDL</u>	<u>MDL</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>C</u>
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Subcontracted AnalysesSubcontracted AnalysesMethylation date: 05-Dec-17*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*

1918-00-9	Dicamba	< 87		ug/kg	87	87	10	SW8151A	05-Dec-17	06-Dec-17 16:17	M-CT007	411796A	
120-36-5	Dichloroprop	< 130		ug/kg	130	130	10	"	"	"	"	"	
88-85-7	Dinoseb	< 87		ug/kg	87	87	10	"	"	"	"	"	
94-74-6	MCPA	< 26000		ug/kg	26000	26000	10	"	"	"	"	"	
7085-19-0	MCPD	< 26000		ug/kg	26000	26000	10	"	"	"	"	"	

Surrogate recoveries:

19719-28-9	% DCAA	55			30-150 %			"	"	"	"	"	
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*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*

Percent Solid	95	%				1	SW846-%Solid	30-Nov-17 10:10	05-Dec-17 20:00	M-CT007	'[none]'		
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Sample Identification

SS-2 (0-2)	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42066-02	7877	Soil	30-Nov-17 10:40	04-Dec-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
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Total Metals by EPA 6000/7000 Series MethodsPrepared by method SW846 3050B

7440-38-2	Arsenic	20.8		mg/kg dry	1.74	0.221	1	SW846 6010C	11-Dec-17	14-Dec-17	SJR/TBC	1720443	
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General Chemistry Parameters

% Solids	85.3		%				1	SM2540 G (11) Mod.	04-Dec-17	04-Dec-17	BD	1720176	
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Attachment2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)

Sample Identification

SS-3 (0-2)	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42066-03	7877	Soil	30-Nov-17 11:05	04-Dec-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
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PesticidesOrganochlorine PesticidesPrepared by method SW846 3546

319-84-6	alpha-BHC	< 6.02		µg/kg dry	6.02	1.61	1	SW846 8081B	05-Dec-17	06-Dec-17	SM	1720199	
319-85-7	beta-BHC	< 6.02		µg/kg dry	6.02	2.38	1	"	"	"	"	"	
319-86-8	delta-BHC	< 6.02		µg/kg dry	6.02	1.73	1	"	"	"	"	"	
58-89-9	gamma-BHC (Lindane)	< 3.61		µg/kg dry	3.61	1.73	1	"	"	"	"	"	
76-44-8	Heptachlor	< 6.02		µg/kg dry	6.02	2.01	1	"	"	"	"	"	
309-00-2	Aldrin	< 6.02		µg/kg dry	6.02	1.85	1	"	"	"	"	"	
1024-57-3	Heptachlor epoxide	< 6.02		µg/kg dry	6.02	2.13	1	"	"	"	"	"	
959-98-8	Endosulfan I	< 6.02		µg/kg dry	6.02	2.12	1	"	"	"	"	"	
60-57-1	Dieldrin	< 6.02		µg/kg dry	6.02	2.12	1	"	"	"	"	"	
72-55-9	4,4'-DDE (p,p')	< 6.02		µg/kg dry	6.02	1.90	1	"	"	"	"	"	
72-20-8	Endrin	< 9.63		µg/kg dry	9.63	2.12	1	"	"	"	"	"	
33213-65-9	Endosulfan II	< 9.63		µg/kg dry	9.63	2.26	1	"	"	"	"	"	
72-54-8	4,4'-DDD (p,p')	< 9.63		µg/kg dry	9.63	2.10	1	"	"	"	"	"	
1031-07-8	Endosulfan sulfate	< 9.63		µg/kg dry	9.63	2.01	1	"	"	"	"	"	
50-29-3	4,4'-DDT (p,p')	< 9.63		µg/kg dry	9.63	1.85	1	"	"	"	"	"	
72-43-5	Methoxychlor	< 9.63		µg/kg dry	9.63	2.13	1	"	"	"	"	"	
53494-70-5	Endrin ketone	< 9.63		µg/kg dry	9.63	2.17	1	"	"	"	"	"	
7421-93-4	Endrin aldehyde	< 9.63		µg/kg dry	9.63	2.01	1	"	"	"	"	"	
5103-71-9	alpha-Chlordane	< 6.02		µg/kg dry	6.02	2.06	1	"	"	"	"	"	
5103-74-2	Chlordane (gamma)(trans)	< 6.02		µg/kg dry	6.02	2.17	1	"	"	"	"	"	
8001-35-2	Toxaphene	< 120		µg/kg dry	120	26.0	1	"	"	"	"	"	
57-74-9	Chlordane	< 24.1		µg/kg dry	24.1	23.8	1	"	"	"	"	"	
15972-60-8	Alachlor	< 6.02		µg/kg dry	6.02	2.95	1	"	"	"	"	"	

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	62			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	72			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	74			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	57			30-150 %			"	"	"	"	"	

Total Metals by EPA 6000/7000 Series MethodsPrepared by method SW846 3050B

7440-38-2	Arsenic	8.37		mg/kg dry	1.80	0.228	1	SW846 6010C	11-Dec-17	14-Dec-17	SJR/TBC	1720443	
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General Chemistry Parameters

% Solids	82.5		%				1	SM2540 G (11) Mod.	04-Dec-17	04-Dec-17	BD	1720176	
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Subcontracted AnalysesSubcontracted AnalysesPrepared by method 411796-Methylation date: 05-Dec-17*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*

93-76-5	2,4,5-T	< 100		ug/kg	100	100	10	SW8151A	05-Dec-17	06-Dec-17 16:36	M-CT007	411796A	
93-72-1	2,4,5-TP (Silvex)	< 100		ug/kg	100	100	10	"	"	"	"	"	
94-75-7	2,4-D	< 200		ug/kg	200	200	10	"	"	"	"	"	
94-82-6	2,4-DB	< 1000		ug/kg	1000	1000	10	"	"	"	"	"	
75-99-0	Dalapon	< 100		ug/kg	100	100	10	"	"	"	"	"	

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Sample Identification

SS-3 (0-2)	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42066-03	7877	Soil	30-Nov-17 11:05	04-Dec-17

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>*RDL</u>	<u>MDL</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>C</u>
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Subcontracted AnalysesSubcontracted AnalysesMethylation date: 05-Dec-17*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*

1918-00-9	Dicamba	< 100		ug/kg	100	100	10	SW8151A	05-Dec-17	06-Dec-17 16:36	M-CT007	411796A	
120-36-5	Dichloroprop	< 150		ug/kg	150	150	10	"	"	"	"	"	
88-85-7	Dinoseb	< 100		ug/kg	100	100	10	"	"	"	"	"	
94-74-6	MCPA	< 30000		ug/kg	30000	30000	10	"	"	"	"	"	
7085-19-0	MCPD	< 30000		ug/kg	30000	30000	10	"	"	"	"	"	

Surrogate recoveries:

19719-28-9	% DCAA	46			30-150 %			"	"	"	"	"	
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*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*

Percent Solid	83	%				1	SW846-%Solid	30-Nov-17 11:05	05-Dec-17 20:00	M-CT007	'[none]'		
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Sample Identification

SS-4 (0-2)	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42066-04	7877	Soil	30-Nov-17 11:35	04-Dec-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
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Total Metals by EPA 6000/7000 Series MethodsPrepared by method SW846 3050B

7440-38-2	Arsenic	9.58		mg/kg dry	1.68	0.212	1	SW846 6010C	11-Dec-17	14-Dec-17	SJR/TBC	1720443	
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General Chemistry Parameters

% Solids	88.4		%				1	SM2540 G (11) Mod.	04-Dec-17	04-Dec-17	BD	1720186	
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Attachment2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)

Sample Identification

SS-5 (0-2)	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42066-05	7877	Soil	30-Nov-17 12:05	04-Dec-17

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>C</i>
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PesticidesOrganochlorine PesticidesPrepared by method SW846 3546

319-84-6	alpha-BHC	< 5.38		µg/kg dry	5.38	1.44	1	SW846 8081B	05-Dec-17	06-Dec-17	SM	1720199	
319-85-7	beta-BHC	< 5.38		µg/kg dry	5.38	2.13	1	"	"	"	"	"	
319-86-8	delta-BHC	< 5.38		µg/kg dry	5.38	1.55	1	"	"	"	"	"	
58-89-9	gamma-BHC (Lindane)	< 3.23		µg/kg dry	3.23	1.55	1	"	"	"	"	"	
76-44-8	Heptachlor	< 5.38		µg/kg dry	5.38	1.80	1	"	"	"	"	"	
309-00-2	Aldrin	< 5.38		µg/kg dry	5.38	1.66	1	"	"	"	"	"	
1024-57-3	Heptachlor epoxide	< 5.38		µg/kg dry	5.38	1.90	1	"	"	"	"	"	
959-98-8	Endosulfan I	< 5.38		µg/kg dry	5.38	1.89	1	"	"	"	"	"	
60-57-1	Dieldrin	< 5.38		µg/kg dry	5.38	1.89	1	"	"	"	"	"	
72-55-9	4,4'-DDE (p,p')	< 5.38		µg/kg dry	5.38	1.70	1	"	"	"	"	"	
72-20-8	Endrin	< 8.60		µg/kg dry	8.60	1.89	1	"	"	"	"	"	
33213-65-9	Endosulfan II	< 8.60		µg/kg dry	8.60	2.02	1	"	"	"	"	"	
72-54-8	4,4'-DDD (p,p')	< 8.60		µg/kg dry	8.60	1.87	1	"	"	"	"	"	
1031-07-8	Endosulfan sulfate	< 8.60		µg/kg dry	8.60	1.80	1	"	"	"	"	"	
50-29-3	4,4'-DDT (p,p')	< 8.60		µg/kg dry	8.60	1.66	1	"	"	"	"	"	
72-43-5	Methoxychlor	< 8.60		µg/kg dry	8.60	1.90	1	"	"	"	"	"	
53494-70-5	Endrin ketone	< 8.60		µg/kg dry	8.60	1.94	1	"	"	"	"	"	
7421-93-4	Endrin aldehyde	< 8.60		µg/kg dry	8.60	1.80	1	"	"	"	"	"	
5103-71-9	alpha-Chlordane	< 5.38		µg/kg dry	5.38	1.84	1	"	"	"	"	"	
5103-74-2	Chlordane (gamma)(trans)	< 5.38		µg/kg dry	5.38	1.94	1	"	"	"	"	"	
8001-35-2	Toxaphene	< 108		µg/kg dry	108	23.3	1	"	"	"	"	"	
57-74-9	Chlordane	< 21.5		µg/kg dry	21.5	21.3	1	"	"	"	"	"	
15972-60-8	Alachlor	< 5.38		µg/kg dry	5.38	2.64	1	"	"	"	"	"	

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	28	SGC		30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	41			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	49			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	31			30-150 %			"	"	"	"	"	

Total Metals by EPA 6000/7000 Series MethodsPrepared by method SW846 3050B

7440-38-2	Arsenic	3.45		mg/kg dry	1.62	0.205	1	SW846 6010C	11-Dec-17	14-Dec-17	SJR/TBC	1720443	
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General Chemistry Parameters

% Solids	91.6		%				1	SM2540 G (11) Mod.	04-Dec-17	04-Dec-17	BD	1720186	
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Subcontracted AnalysesSubcontracted AnalysesPrepared by method 411796-Methylation date: 05-Dec-17*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*

93-76-5	2,4,5-T	< 91		ug/kg	91	91	10	SW8151A	05-Dec-17	06-Dec-17 16:55	M-CT007	411796A	
93-72-1	2,4,5-TP (Silvex)	< 91		ug/kg	91	91	10	"	"	"	"	"	
94-75-7	2,4-D	< 180		ug/kg	180	180	10	"	"	"	"	"	
94-82-6	2,4-DB	< 910		ug/kg	910	910	10	"	"	"	"	"	
75-99-0	Dalapon	< 91		ug/kg	91	91	10	"	"	"	"	"	

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Sample Identification

SS-5 (0-2)	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42066-05	7877	Soil	30-Nov-17 12:05	04-Dec-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
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Subcontracted AnalysesSubcontracted AnalysesMethylation date: 05-Dec-17*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*

1918-00-9	Dicamba	< 91		ug/kg	91	91	10	SW8151A	05-Dec-17	06-Dec-17 16:55	M-CT007	411796A	
120-36-5	Dichloroprop	< 140		ug/kg	140	140	10	"	"	"	"	"	
88-85-7	Dinoseb	< 91		ug/kg	91	91	10	"	"	"	"	"	
94-74-6	MCPA	< 27000		ug/kg	27000	27000	10	"	"	"	"	"	
7085-19-0	MCP	< 27000		ug/kg	27000	27000	10	"	"	"	"	"	

Surrogate recoveries:

19719-28-9	% DCAA	43			30-150 %			"	"	"	"	"	
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*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*

Percent Solid	91	%				1	SW846-%Solid	30-Nov-17 12:05	05-Dec-17 20:00	M-CT007	[none]		
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Sample Identification

SS-6 (0-2)	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42066-06	7877	Soil	30-Nov-17 13:30	04-Dec-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
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Total Metals by EPA 6000/7000 Series MethodsPrepared by method SW846 3050B

7440-38-2	Arsenic	16.0		mg/kg dry	1.85	0.235	1	SW846 6010C	11-Dec-17	14-Dec-17	SJR/TBC	1720443	
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General Chemistry Parameters

% Solids	80.4		%				1	SM2540 G (11) Mod.	04-Dec-17	04-Dec-17	BD	1720186	
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Attachment2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)

Sample Identification

SS-7 (0-2)	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42066-07	7877	Soil	30-Nov-17 13:55	04-Dec-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
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PesticidesOrganochlorine PesticidesPrepared by method SW846 3546

319-84-6	alpha-BHC	< 5.26		µg/kg dry	5.26	1.41	1	SW846 8081B	05-Dec-17	06-Dec-17	SM	1720199	
319-85-7	beta-BHC	< 5.26		µg/kg dry	5.26	2.08	1	"	"	"	"	"	
319-86-8	delta-BHC	< 5.26		µg/kg dry	5.26	1.51	1	"	"	"	"	"	
58-89-9	gamma-BHC (Lindane)	< 3.15		µg/kg dry	3.15	1.51	1	"	"	"	"	"	
76-44-8	Heptachlor	< 5.26		µg/kg dry	5.26	1.76	1	"	"	"	"	"	
309-00-2	Aldrin	< 5.26		µg/kg dry	5.26	1.62	1	"	"	"	"	"	
1024-57-3	Heptachlor epoxide	< 5.26		µg/kg dry	5.26	1.86	1	"	"	"	"	"	
959-98-8	Endosulfan I	< 5.26		µg/kg dry	5.26	1.85	1	"	"	"	"	"	
60-57-1	Dieldrin	< 5.26		µg/kg dry	5.26	1.85	1	"	"	"	"	"	
72-55-9	4,4'-DDE (p,p')	< 5.26		µg/kg dry	5.26	1.66	1	"	"	"	"	"	
72-20-8	Endrin	< 8.41		µg/kg dry	8.41	1.85	1	"	"	"	"	"	
33213-65-9	Endosulfan II	< 8.41		µg/kg dry	8.41	1.98	1	"	"	"	"	"	
72-54-8	4,4'-DDD (p,p')	< 8.41		µg/kg dry	8.41	1.83	1	"	"	"	"	"	
1031-07-8	Endosulfan sulfate	< 8.41		µg/kg dry	8.41	1.76	1	"	"	"	"	"	
50-29-3	4,4'-DDT (p,p')	< 8.41		µg/kg dry	8.41	1.62	1	"	"	"	"	"	
72-43-5	Methoxychlor	< 8.41		µg/kg dry	8.41	1.86	1	"	"	"	"	"	
53494-70-5	Endrin ketone	< 8.41		µg/kg dry	8.41	1.89	1	"	"	"	"	"	
7421-93-4	Endrin aldehyde	< 8.41		µg/kg dry	8.41	1.76	1	"	"	"	"	"	
5103-71-9	alpha-Chlordane	< 5.26		µg/kg dry	5.26	1.80	1	"	"	"	"	"	
5103-74-2	Chlordane (gamma)(trans)	< 5.26		µg/kg dry	5.26	1.89	1	"	"	"	"	"	
8001-35-2	Toxaphene	< 105		µg/kg dry	105	22.7	1	"	"	"	"	"	
57-74-9	Chlordane	< 21.0		µg/kg dry	21.0	20.8	1	"	"	"	"	"	
15972-60-8	Alachlor	< 5.26		µg/kg dry	5.26	2.58	1	"	"	"	"	"	

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	35			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	49			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	56			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	47			30-150 %			"	"	"	"	"	

Total Metals by EPA 6000/7000 Series MethodsPrepared by method SW846 3050B

7440-38-2	Arsenic	2.84		mg/kg dry	1.57	0.198	1	SW846 6010C	11-Dec-17	14-Dec-17	SJR/TBC	1720443	
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General Chemistry Parameters

% Solids	94.6		%				1	SM2540 G (11) Mod.	04-Dec-17	04-Dec-17	BD	1720186	
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Subcontracted AnalysesSubcontracted AnalysesPrepared by method 411796-Methylation date: 05-Dec-17*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*

93-76-5	2,4,5-T	< 88		ug/kg	88	88	10	SW8151A	05-Dec-17	06-Dec-17 17:13	M-CT007	411796A	
93-72-1	2,4,5-TP (Silvex)	< 88		ug/kg	88	88	10	"	"	"	"	"	
94-75-7	2,4-D	< 180		ug/kg	180	180	10	"	"	"	"	"	
94-82-6	2,4-DB	< 880		ug/kg	880	880	10	"	"	"	"	"	
75-99-0	Dalapon	< 88		ug/kg	88	88	10	"	"	"	"	"	

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Sample Identification

SS-7 (0-2)	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42066-07	7877	Soil	30-Nov-17 13:55	04-Dec-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
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Subcontracted AnalysesSubcontracted AnalysesMethylation date: 05-Dec-17*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*

1918-00-9	Dicamba	< 88		ug/kg	88	88	10	SW8151A	05-Dec-17	06-Dec-17 17:13	M-CT007	411796A	
120-36-5	Dichloroprop	< 130		ug/kg	130	130	10	"	"	"	"	"	
88-85-7	Dinoseb	< 88		ug/kg	88	88	10	"	"	"	"	"	
94-74-6	MCPA	< 26000		ug/kg	26000	26000	10	"	"	"	"	"	
7085-19-0	MCPD	< 26000		ug/kg	26000	26000	10	"	"	"	"	"	

Surrogate recoveries:

19719-28-9	% DCAA	41			30-150 %			"	"	"	"	"	
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*Analysis performed by Phoenix Environmental Labs, Inc. * - MACT007*

Percent Solid	95	%					1	SW846-%Solid	30-Nov-17 13:55	05-Dec-17 20:00	M-CT007	[none]	
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Sample Identification

SS-8 (0-2)	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SC42066-08	7877	Soil	30-Nov-17 14:25	04-Dec-17

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	C
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Total Metals by EPA 6000/7000 Series MethodsPrepared by method SW846 3050B

7440-38-2	Arsenic	2.89		mg/kg dry	1.56	0.198	1	SW846 6010C	11-Dec-17	14-Dec-17	SJR/TBC	1720443	
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General Chemistry Parameters

% Solids	96.1		%				1	SM2540 G (11) Mod.	04-Dec-17	04-Dec-17	BD	1720186	
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Attachment2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)

Pesticides - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8081B										
Batch 1720199 - SW846 3546										
Blank (1720199-BLK1)	Prepared: 05-Dec-17 Analyzed: 06-Dec-17									
alpha-BHC	< 4.99		µg/kg wet	4.99						
alpha-BHC [2C]	< 4.99		µg/kg wet	4.99						
beta-BHC	< 4.99		µg/kg wet	4.99						
beta-BHC [2C]	< 4.99		µg/kg wet	4.99						
delta-BHC	< 4.99		µg/kg wet	4.99						
delta-BHC [2C]	< 4.99		µg/kg wet	4.99						
gamma-BHC (Lindane)	< 3.00		µg/kg wet	3.00						
gamma-BHC (Lindane) [2C]	< 3.00		µg/kg wet	3.00						
Heptachlor	< 4.99		µg/kg wet	4.99						
Heptachlor [2C]	< 4.99		µg/kg wet	4.99						
Aldrin	< 4.99		µg/kg wet	4.99						
Aldrin [2C]	< 4.99		µg/kg wet	4.99						
Heptachlor epoxide	< 4.99		µg/kg wet	4.99						
Heptachlor epoxide [2C]	< 4.99		µg/kg wet	4.99						
Endosulfan I	< 4.99		µg/kg wet	4.99						
Endosulfan I [2C]	< 4.99		µg/kg wet	4.99						
Dieldrin	< 4.99		µg/kg wet	4.99						
Dieldrin [2C]	< 4.99		µg/kg wet	4.99						
4,4'-DDE (p,p')	< 4.99		µg/kg wet	4.99						
4,4'-DDE (p,p') [2C]	< 4.99		µg/kg wet	4.99						
Endrin	< 7.99		µg/kg wet	7.99						
Endrin [2C]	< 7.99		µg/kg wet	7.99						
Endosulfan II	< 7.99		µg/kg wet	7.99						
Endosulfan II [2C]	< 7.99		µg/kg wet	7.99						
4,4'-DDD (p,p')	< 7.99		µg/kg wet	7.99						
4,4'-DDD (p,p') [2C]	< 7.99		µg/kg wet	7.99						
Endosulfan sulfate	< 7.99		µg/kg wet	7.99						
Endosulfan sulfate [2C]	< 7.99		µg/kg wet	7.99						
4,4'-DDT (p,p')	< 7.99		µg/kg wet	7.99						
4,4'-DDT (p,p') [2C]	< 7.99		µg/kg wet	7.99						
Methoxychlor	< 7.99		µg/kg wet	7.99						
Methoxychlor [2C]	< 7.99		µg/kg wet	7.99						
Endrin ketone	< 7.99		µg/kg wet	7.99						
Endrin ketone [2C]	< 7.99		µg/kg wet	7.99						
Endrin aldehyde	< 7.99		µg/kg wet	7.99						
Endrin aldehyde [2C]	< 7.99		µg/kg wet	7.99						
alpha-Chlordane	< 4.99		µg/kg wet	4.99						
alpha-Chlordane [2C]	< 4.99		µg/kg wet	4.99						
Chlordane (gamma)(trans)	< 4.99		µg/kg wet	4.99						
Chlordane (gamma)(trans) [2C]	< 4.99		µg/kg wet	4.99						
Toxaphene	< 99.8		µg/kg wet	99.8						
Toxaphene [2C]	< 99.8		µg/kg wet	99.8						
Chlordane	< 20.0		µg/kg wet	20.0						
Chlordane [2C]	< 20.0		µg/kg wet	20.0						
Alachlor	< 4.99		µg/kg wet	4.99						
Alachlor [2C]	< 4.99		µg/kg wet	4.99						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	8.92		µg/kg wet		9.98		89	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	8.98		µg/kg wet		9.98		90	30-150		
Surrogate: Decachlorobiphenyl (Sr)	7.95		µg/kg wet		9.98		80	30-150		

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Pesticides - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8081B										
Batch 1720199 - SW846 3546										
Blank (1720199-BLK1)					Prepared: 05-Dec-17 Analyzed: 06-Dec-17					
Surrogate: Decachlorobiphenyl (Sr) [2C]	6.70		µg/kg wet		9.98		67	30-150		
LCS (1720199-BS1)					Prepared: 05-Dec-17 Analyzed: 06-Dec-17					
alpha-BHC	15.4		µg/kg wet	4.98	24.9		62	40-140		
alpha-BHC [2C]	15.2		µg/kg wet	4.98	24.9		61	40-140		
beta-BHC	18.3		µg/kg wet	4.98	24.9		73	40-140		
beta-BHC [2C]	17.3		µg/kg wet	4.98	24.9		69	40-140		
delta-BHC	16.1		µg/kg wet	4.98	24.9		65	40-140		
delta-BHC [2C]	15.7		µg/kg wet	4.98	24.9		63	40-140		
gamma-BHC (Lindane)	16.1		µg/kg wet	2.99	24.9		65	40-140		
gamma-BHC (Lindane) [2C]	15.5		µg/kg wet	2.99	24.9		62	40-140		
Heptachlor	18.8		µg/kg wet	4.98	24.9		76	40-140		
Heptachlor [2C]	17.3		µg/kg wet	4.98	24.9		70	40-140		
Aldrin	17.8		µg/kg wet	4.98	24.9		71	40-140		
Aldrin [2C]	17.3		µg/kg wet	4.98	24.9		70	40-140		
Heptachlor epoxide	18.1		µg/kg wet	4.98	24.9		73	40-140		
Heptachlor epoxide [2C]	16.6		µg/kg wet	4.98	24.9		67	40-140		
Endosulfan I	19.5		µg/kg wet	4.98	24.9		79	40-140		
Endosulfan I [2C]	17.8		µg/kg wet	4.98	24.9		71	40-140		
Dieldrin	20.4		µg/kg wet	4.98	24.9		82	40-140		
Dieldrin [2C]	17.4		µg/kg wet	4.98	24.9		70	40-140		
4,4'-DDE (p,p')	20.0		µg/kg wet	4.98	24.9		80	40-140		
4,4'-DDE (p,p') [2C]	16.8		µg/kg wet	4.98	24.9		67	40-140		
Endrin	22.9		µg/kg wet	7.96	24.9		92	40-140		
Endrin [2C]	19.2		µg/kg wet	7.96	24.9		77	40-140		
Endosulfan II	23.2		µg/kg wet	7.96	24.9		93	40-140		
Endosulfan II [2C]	18.1		µg/kg wet	7.96	24.9		73	40-140		
4,4'-DDD (p,p')	22.3		µg/kg wet	7.96	24.9		90	40-140		
4,4'-DDD (p,p') [2C]	17.4		µg/kg wet	7.96	24.9		70	40-140		
Endosulfan sulfate	21.1		µg/kg wet	7.96	24.9		85	40-140		
Endosulfan sulfate [2C]	18.5		µg/kg wet	7.96	24.9		74	40-140		
4,4'-DDT (p,p')	24.4		µg/kg wet	7.96	24.9		98	40-140		
4,4'-DDT (p,p') [2C]	17.1		µg/kg wet	7.96	24.9		69	40-140		
Methoxychlor	21.3		µg/kg wet	7.96	24.9		86	40-140		
Methoxychlor [2C]	18.6		µg/kg wet	7.96	24.9		75	40-140		
Endrin ketone	17.8		µg/kg wet	7.96	24.9		71	40-140		
Endrin ketone [2C]	16.4		µg/kg wet	7.96	24.9		66	40-140		
Endrin aldehyde	24.1		µg/kg wet	7.96	24.9		97	40-140		
Endrin aldehyde [2C]	18.1		µg/kg wet	7.96	24.9		73	40-140		
alpha-Chlordane	18.2		µg/kg wet	4.98	24.9		73	40-140		
alpha-Chlordane [2C]	17.3		µg/kg wet	4.98	24.9		69	40-140		
Chlordane (gamma)(trans)	18.1		µg/kg wet	4.98	24.9		73	40-140		
Chlordane (gamma)(trans) [2C]	17.2		µg/kg wet	4.98	24.9		69	40-140		
Alachlor	18.6		µg/kg wet	4.98	24.9		75	40-140		
Alachlor [2C]	18.6		µg/kg wet	4.98	24.9		75	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	9.15		µg/kg wet		9.95		92	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	9.18		µg/kg wet		9.95		92	30-150		
Surrogate: Decachlorobiphenyl (Sr)	8.27		µg/kg wet		9.95		83	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	6.54		µg/kg wet		9.95		66	30-150		
LCS Dup (1720199-BS1)					Prepared: 05-Dec-17 Analyzed: 06-Dec-17					

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Pesticides - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8081B										
Batch 1720199 - SW846 3546										
LCS Dup (1720199-BSD1)					Prepared: 05-Dec-17 Analyzed: 06-Dec-17					
alpha-BHC	15.6		µg/kg wet	4.98	24.9		63	40-140	2	30
alpha-BHC [2C]	15.3		µg/kg wet	4.98	24.9		61	40-140	0.6	30
beta-BHC	18.1		µg/kg wet	4.98	24.9		73	40-140	1	30
beta-BHC [2C]	17.5		µg/kg wet	4.98	24.9		70	40-140	1	30
delta-BHC	16.4		µg/kg wet	4.98	24.9		66	40-140	2	30
delta-BHC [2C]	15.9		µg/kg wet	4.98	24.9		64	40-140	1	30
gamma-BHC (Lindane)	16.3		µg/kg wet	2.99	24.9		66	40-140	1	30
gamma-BHC (Lindane) [2C]	15.8		µg/kg wet	2.99	24.9		63	40-140	2	30
Heptachlor	18.8		µg/kg wet	4.98	24.9		75	40-140	0.2	30
Heptachlor [2C]	17.6		µg/kg wet	4.98	24.9		71	40-140	2	30
Aldrin	18.3		µg/kg wet	4.98	24.9		73	40-140	3	30
Aldrin [2C]	17.9		µg/kg wet	4.98	24.9		72	40-140	3	30
Heptachlor epoxide	17.9		µg/kg wet	4.98	24.9		72	40-140	1	30
Heptachlor epoxide [2C]	16.8		µg/kg wet	4.98	24.9		68	40-140	1	30
Endosulfan I	18.8		µg/kg wet	4.98	24.9		76	40-140	4	30
Endosulfan I [2C]	18.0		µg/kg wet	4.98	24.9		72	40-140	1	30
Dieldrin	18.5		µg/kg wet	4.98	24.9		74	40-140	10	30
Dieldrin [2C]	17.5		µg/kg wet	4.98	24.9		70	40-140	0.6	30
4,4'-DDE (p,p')	18.1		µg/kg wet	4.98	24.9		73	40-140	10	30
4,4'-DDE (p,p') [2C]	17.1		µg/kg wet	4.98	24.9		68	40-140	2	30
Endrin	21.2		µg/kg wet	7.97	24.9		85	40-140	8	30
Endrin [2C]	19.2		µg/kg wet	7.97	24.9		77	40-140	0.3	30
Endosulfan II	19.2		µg/kg wet	7.97	24.9		77	40-140	19	30
Endosulfan II [2C]	17.9		µg/kg wet	7.97	24.9		72	40-140	1	30
4,4'-DDD (p,p')	18.8		µg/kg wet	7.97	24.9		75	40-140	17	30
4,4'-DDD (p,p') [2C]	17.4		µg/kg wet	7.97	24.9		70	40-140	0.2	30
Endosulfan sulfate	18.7		µg/kg wet	7.97	24.9		75	40-140	12	30
Endosulfan sulfate [2C]	18.4		µg/kg wet	7.97	24.9		74	40-140	0.5	30
4,4'-DDT (p,p')	19.3		µg/kg wet	7.97	24.9		78	40-140	23	30
4,4'-DDT (p,p') [2C]	17.1		µg/kg wet	7.97	24.9		69	40-140	0.3	30
Methoxychlor	20.4		µg/kg wet	7.97	24.9		82	40-140	4	30
Methoxychlor [2C]	18.1		µg/kg wet	7.97	24.9		73	40-140	3	30
Endrin ketone	16.9		µg/kg wet	7.97	24.9		68	40-140	5	30
Endrin ketone [2C]	16.4		µg/kg wet	7.97	24.9		66	40-140	0.2	30
Endrin aldehyde	20.2		µg/kg wet	7.97	24.9		81	40-140	18	30
Endrin aldehyde [2C]	20.8		µg/kg wet	7.97	24.9		83	40-140	14	30
alpha-Chlordane	18.0		µg/kg wet	4.98	24.9		72	40-140	1	30
alpha-Chlordane [2C]	17.6		µg/kg wet	4.98	24.9		70	40-140	2	30
Chlordane (gamma)(trans)	18.0		µg/kg wet	4.98	24.9		72	40-140	0.8	30
Chlordane (gamma)(trans) [2C]	17.5		µg/kg wet	4.98	24.9		70	40-140	2	30
Alachlor	18.5		µg/kg wet	4.98	24.9		74	40-140	0.3	30
Alachlor [2C]	19.9		µg/kg wet	4.98	24.9		80	40-140	7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	8.68		µg/kg wet		9.96		87	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	8.61		µg/kg wet		9.96		86	30-150		
Surrogate: Decachlorobiphenyl (Sr)	7.21		µg/kg wet		9.96		72	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	6.31		µg/kg wet		9.96		63	30-150		
Duplicate (1720199-DUP1)				Source: SC42066-07		Prepared: 05-Dec-17 Analyzed: 06-Dec-17				
alpha-BHC	< 5.25		µg/kg dry	5.25		BRL				30
alpha-BHC [2C]	< 5.25		µg/kg dry	5.25		BRL				30

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Pesticides - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>SW846 8081B</u>										
Batch 1720199 - SW846 3546										
<u>Duplicate (1720199-DUP1)</u>				<u>Source: SC42066-07</u>		<u>Prepared: 05-Dec-17 Analyzed: 06-Dec-17</u>				
beta-BHC	< 5.25		µg/kg dry	5.25		BRL				30
beta-BHC [2C]	< 5.25		µg/kg dry	5.25		BRL				30
delta-BHC	< 5.25		µg/kg dry	5.25		BRL				30
delta-BHC [2C]	< 5.25		µg/kg dry	5.25		BRL				30
gamma-BHC (Lindane)	< 3.15		µg/kg dry	3.15		BRL				30
gamma-BHC (Lindane) [2C]	< 3.15		µg/kg dry	3.15		BRL				30
Heptachlor	< 5.25		µg/kg dry	5.25		BRL				30
Heptachlor [2C]	< 5.25		µg/kg dry	5.25		BRL				30
Aldrin	< 5.25		µg/kg dry	5.25		BRL				30
Aldrin [2C]	< 5.25		µg/kg dry	5.25		BRL				30
Heptachlor epoxide	< 5.25		µg/kg dry	5.25		BRL				30
Heptachlor epoxide [2C]	< 5.25		µg/kg dry	5.25		BRL				30
Endosulfan I	< 5.25		µg/kg dry	5.25		BRL				30
Endosulfan I [2C]	< 5.25		µg/kg dry	5.25		BRL				30
Dieldrin	< 5.25		µg/kg dry	5.25		BRL				30
Dieldrin [2C]	< 5.25		µg/kg dry	5.25		BRL				30
4,4'-DDE (p,p')	< 5.25		µg/kg dry	5.25		BRL				30
4,4'-DDE (p,p') [2C]	< 5.25		µg/kg dry	5.25		BRL				30
Endrin	< 8.40		µg/kg dry	8.40		BRL				30
Endrin [2C]	< 8.40		µg/kg dry	8.40		BRL				30
Endosulfan II	< 8.40		µg/kg dry	8.40		BRL				30
Endosulfan II [2C]	< 8.40		µg/kg dry	8.40		BRL				30
4,4'-DDD (p,p')	< 8.40		µg/kg dry	8.40		BRL				30
4,4'-DDD (p,p') [2C]	< 8.40		µg/kg dry	8.40		BRL				30
Endosulfan sulfate	< 8.40		µg/kg dry	8.40		BRL				30
Endosulfan sulfate [2C]	< 8.40		µg/kg dry	8.40		BRL				30
4,4'-DDT (p,p')	< 8.40		µg/kg dry	8.40		BRL				30
4,4'-DDT (p,p') [2C]	< 8.40		µg/kg dry	8.40		BRL				30
Methoxychlor	< 8.40		µg/kg dry	8.40		BRL				30
Methoxychlor [2C]	< 8.40		µg/kg dry	8.40		BRL				30
Endrin ketone	< 8.40		µg/kg dry	8.40		BRL				30
Endrin ketone [2C]	< 8.40		µg/kg dry	8.40		BRL				30
Endrin aldehyde	< 8.40		µg/kg dry	8.40		BRL				30
Endrin aldehyde [2C]	< 8.40		µg/kg dry	8.40		BRL				30
alpha-Chlordane	< 5.25		µg/kg dry	5.25		BRL				30
alpha-Chlordane [2C]	< 5.25		µg/kg dry	5.25		BRL				30
Chlordane (gamma)(trans)	< 5.25		µg/kg dry	5.25		BRL				30
Chlordane (gamma)(trans) [2C]	< 5.25		µg/kg dry	5.25		BRL				30
Toxaphene	< 105		µg/kg dry	105		BRL				30
Toxaphene [2C]	< 105		µg/kg dry	105		BRL				30
Chlordane	< 21.0		µg/kg dry	21.0		BRL				30
Chlordane [2C]	< 21.0		µg/kg dry	21.0		BRL				30
Alachlor	< 5.25		µg/kg dry	5.25		BRL				30
Alachlor [2C]	< 5.25		µg/kg dry	5.25		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	4.06		µg/kg dry		10.5		39	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	5.95		µg/kg dry		10.5		57	30-150		
Surrogate: Decachlorobiphenyl (Sr)	5.63		µg/kg dry		10.5		54	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	5.06		µg/kg dry		10.5		48	30-150		
<u>Matrix Spike (1720199-MS1)</u>				<u>Source: SC42066-07</u>		<u>Prepared: 05-Dec-17 Analyzed: 06-Dec-17</u>				

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Pesticides - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8081B										
Batch 1720199 - SW846 3546										
Matrix Spike (1720199-MS1)				Source: SC42066-07		Prepared: 05-Dec-17 Analyzed: 06-Dec-17				
alpha-BHC	14.3		µg/kg dry	5.23	26.1	BRL	55	30-150		
alpha-BHC [2C]	14.6		µg/kg dry	5.23	26.1	BRL	56	30-150		
beta-BHC	18.4		µg/kg dry	5.23	26.1	BRL	70	30-150		
beta-BHC [2C]	19.0		µg/kg dry	5.23	26.1	BRL	73	30-150		
delta-BHC	18.0		µg/kg dry	5.23	26.1	BRL	69	30-150		
delta-BHC [2C]	18.3		µg/kg dry	5.23	26.1	BRL	70	30-150		
gamma-BHC (Lindane)	15.4		µg/kg dry	3.14	26.1	BRL	59	30-150		
gamma-BHC (Lindane) [2C]	15.3		µg/kg dry	3.14	26.1	BRL	59	30-150		
Heptachlor	17.4		µg/kg dry	5.23	26.1	BRL	67	30-150		
Heptachlor [2C]	16.9		µg/kg dry	5.23	26.1	BRL	65	30-150		
Aldrin	16.4		µg/kg dry	5.23	26.1	BRL	63	30-150		
Aldrin [2C]	16.7		µg/kg dry	5.23	26.1	BRL	64	30-150		
Heptachlor epoxide	18.0		µg/kg dry	5.23	26.1	BRL	69	30-150		
Heptachlor epoxide [2C]	17.2		µg/kg dry	5.23	26.1	BRL	66	30-150		
Endosulfan I	19.0		µg/kg dry	5.23	26.1	BRL	73	30-150		
Endosulfan I [2C]	18.8		µg/kg dry	5.23	26.1	BRL	72	30-150		
Dieldrin	19.2		µg/kg dry	5.23	26.1	BRL	73	30-150		
Dieldrin [2C]	19.1		µg/kg dry	5.23	26.1	BRL	73	30-150		
4,4'-DDE (p,p')	18.8		µg/kg dry	5.23	26.1	BRL	72	30-150		
4,4'-DDE (p,p') [2C]	18.7		µg/kg dry	5.23	26.1	BRL	71	30-150		
Endrin	21.7		µg/kg dry	8.36	26.1	BRL	83	30-150		
Endrin [2C]	20.9		µg/kg dry	8.36	26.1	BRL	80	30-150		
Endosulfan II	20.6		µg/kg dry	8.36	26.1	BRL	79	30-150		
Endosulfan II [2C]	20.5		µg/kg dry	8.36	26.1	BRL	79	30-150		
4,4'-DDD (p,p')	20.0		µg/kg dry	8.36	26.1	BRL	77	30-150		
4,4'-DDD (p,p') [2C]	19.9		µg/kg dry	8.36	26.1	BRL	76	30-150		
Endosulfan sulfate	21.2		µg/kg dry	8.36	26.1	BRL	81	30-150		
Endosulfan sulfate [2C]	21.5		µg/kg dry	8.36	26.1	BRL	82	30-150		
4,4'-DDT (p,p')	21.8		µg/kg dry	8.36	26.1	BRL	84	30-150		
4,4'-DDT (p,p') [2C]	20.2		µg/kg dry	8.36	26.1	BRL	77	30-150		
Methoxychlor	23.3		µg/kg dry	8.36	26.1	BRL	89	30-150		
Methoxychlor [2C]	21.1		µg/kg dry	8.36	26.1	BRL	81	30-150		
Endrin ketone	18.8		µg/kg dry	8.36	26.1	BRL	72	30-150		
Endrin ketone [2C]	18.9		µg/kg dry	8.36	26.1	BRL	72	30-150		
Endrin aldehyde	22.5		µg/kg dry	8.36	26.1	BRL	86	30-150		
Endrin aldehyde [2C]	24.6		µg/kg dry	8.36	26.1	BRL	94	30-150		
alpha-Chlordane	18.3		µg/kg dry	5.23	26.1	BRL	70	30-150		
alpha-Chlordane [2C]	18.6		µg/kg dry	5.23	26.1	BRL	71	30-150		
Chlordane (gamma)(trans)	18.5		µg/kg dry	5.23	26.1	BRL	71	30-150		
Chlordane (gamma)(trans) [2C]	18.5		µg/kg dry	5.23	26.1	BRL	71	30-150		
Alachlor	19.8		µg/kg dry	5.23	26.1	BRL	76	30-150		
Alachlor [2C]	22.0		µg/kg dry	5.23	26.1	BRL	84	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	5.26		µg/kg dry		10.5		50	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	5.70		µg/kg dry		10.5		55	30-150		
Surrogate: Decachlorobiphenyl (Sr)	7.44		µg/kg dry		10.5		71	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	4.74		µg/kg dry		10.5		45	30-150		
Matrix Spike Dup (1720199-MSD1)				Source: SC42066-07		Prepared: 05-Dec-17 Analyzed: 06-Dec-17				
alpha-BHC	13.7		µg/kg dry	5.26	26.3	BRL	52	30-150	4	30
alpha-BHC [2C]	13.6		µg/kg dry	5.26	26.3	BRL	52	30-150	7	30

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Pesticides - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8081B										
Batch 1720199 - SW846 3546										
Matrix Spike Dup (1720199-MSD1)				Source: SC42066-07			Prepared: 05-Dec-17	Analyzed: 06-Dec-17		
beta-BHC	18.0		µg/kg dry	5.26	26.3	BRL	68	30-150	2	30
beta-BHC [2C]	17.9		µg/kg dry	5.26	26.3	BRL	68	30-150	6	30
delta-BHC	17.6		µg/kg dry	5.26	26.3	BRL	67	30-150	2	30
delta-BHC [2C]	16.9		µg/kg dry	5.26	26.3	BRL	64	30-150	8	30
gamma-BHC (Lindane)	14.8		µg/kg dry	3.16	26.3	BRL	56	30-150	4	30
gamma-BHC (Lindane) [2C]	14.2		µg/kg dry	3.16	26.3	BRL	54	30-150	7	30
Heptachlor	16.7		µg/kg dry	5.26	26.3	BRL	64	30-150	4	30
Heptachlor [2C]	15.5		µg/kg dry	5.26	26.3	BRL	59	30-150	9	30
Aldrin	16.0		µg/kg dry	5.26	26.3	BRL	61	30-150	2	30
Aldrin [2C]	15.1		µg/kg dry	5.26	26.3	BRL	57	30-150	10	30
Heptachlor epoxide	17.5		µg/kg dry	5.26	26.3	BRL	67	30-150	3	30
Heptachlor epoxide [2C]	15.9		µg/kg dry	5.26	26.3	BRL	60	30-150	8	30
Endosulfan I	18.7		µg/kg dry	5.26	26.3	BRL	71	30-150	2	30
Endosulfan I [2C]	17.2		µg/kg dry	5.26	26.3	BRL	65	30-150	9	30
Dieldrin	19.1		µg/kg dry	5.26	26.3	BRL	73	30-150	0.4	30
Dieldrin [2C]	17.4		µg/kg dry	5.26	26.3	BRL	66	30-150	9	30
4,4'-DDE (p,p')	18.7		µg/kg dry	5.26	26.3	BRL	71	30-150	0.5	30
4,4'-DDE (p,p') [2C]	17.1		µg/kg dry	5.26	26.3	BRL	65	30-150	9	30
Endrin	21.8		µg/kg dry	8.42	26.3	BRL	83	30-150	0.05	30
Endrin [2C]	19.1		µg/kg dry	8.42	26.3	BRL	72	30-150	9	30
Endosulfan II	20.2		µg/kg dry	8.42	26.3	BRL	77	30-150	2	30
Endosulfan II [2C]	18.7		µg/kg dry	8.42	26.3	BRL	71	30-150	9	30
4,4'-DDD (p,p')	19.9		µg/kg dry	8.42	26.3	BRL	76	30-150	0.5	30
4,4'-DDD (p,p') [2C]	18.2		µg/kg dry	8.42	26.3	BRL	69	30-150	9	30
Endosulfan sulfate	21.1		µg/kg dry	8.42	26.3	BRL	80	30-150	0.4	30
Endosulfan sulfate [2C]	19.8		µg/kg dry	8.42	26.3	BRL	75	30-150	8	30
4,4'-DDT (p,p')	22.0		µg/kg dry	8.42	26.3	BRL	84	30-150	0.9	30
4,4'-DDT (p,p') [2C]	18.5		µg/kg dry	8.42	26.3	BRL	70	30-150	9	30
Methoxychlor	23.2		µg/kg dry	8.42	26.3	BRL	88	30-150	0.1	30
Methoxychlor [2C]	19.8		µg/kg dry	8.42	26.3	BRL	75	30-150	6	30
Endrin ketone	18.8		µg/kg dry	8.42	26.3	BRL	71	30-150	0.04	30
Endrin ketone [2C]	17.6		µg/kg dry	8.42	26.3	BRL	67	30-150	7	30
Endrin aldehyde	22.3		µg/kg dry	8.42	26.3	BRL	85	30-150	1	30
Endrin aldehyde [2C]	22.6		µg/kg dry	8.42	26.3	BRL	86	30-150	8	30
alpha-Chlordane	18.1		µg/kg dry	5.26	26.3	BRL	69	30-150	1	30
alpha-Chlordane [2C]	17.0		µg/kg dry	5.26	26.3	BRL	65	30-150	9	30
Chlordane (gamma)(trans)	18.0		µg/kg dry	5.26	26.3	BRL	69	30-150	2	30
Chlordane (gamma)(trans) [2C]	17.1		µg/kg dry	5.26	26.3	BRL	65	30-150	8	30
Alachlor	20.5		µg/kg dry	5.26	26.3	BRL	78	30-150	4	30
Alachlor [2C]	19.4		µg/kg dry	5.26	26.3	BRL	74	30-150	13	30
Surrogate: 4,4'-DB-Octafluorobiphenyl (Sr)	5.08		µg/kg dry		10.5		48	30-150		
Surrogate: 4,4'-DB-Octafluorobiphenyl (Sr) [2C]	5.56		µg/kg dry		10.5		53	30-150		
Surrogate: Decachlorobiphenyl (Sr)	7.59		µg/kg dry		10.5		72	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	6.39		µg/kg dry		10.5		61	30-150		

Attachment2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 6010C										
Batch 1720443 - SW846 3050B										
<u>Blank (1720443-BLK1)</u>	<u>Prepared: 11-Dec-17 Analyzed: 14-Dec-17</u>									
Arsenic	< 1.49		mg/kg wet	1.49						
<u>Duplicate (1720443-DUP1)</u>	<u>Source: SC42066-01</u> <u>Prepared: 11-Dec-17 Analyzed: 14-Dec-17</u>									
Arsenic	12.8	QM4	mg/kg dry	1.55		3.90			106	20
<u>Matrix Spike (1720443-MS1)</u>	<u>Source: SC42066-01</u> <u>Prepared: 11-Dec-17 Analyzed: 14-Dec-17</u>									
Arsenic	93.7	QM8	mg/kg dry	1.56	130	3.90	69	75-125		
<u>Matrix Spike Dup (1720443-MSD1)</u>	<u>Source: SC42066-01</u> <u>Prepared: 11-Dec-17 Analyzed: 14-Dec-17</u>									
Arsenic	119	QM4	mg/kg dry	1.57	131	3.90	88	75-125	24	20
<u>Post Spike (1720443-PS1)</u>	<u>Source: SC42066-01</u> <u>Prepared: 11-Dec-17 Analyzed: 14-Dec-17</u>									
Arsenic	123		mg/kg dry	1.57	131	3.90	91	80-120		
<u>Reference (1720443-SRM1)</u>	<u>Prepared: 11-Dec-17 Analyzed: 14-Dec-17</u>									
Arsenic	63.8		mg/kg wet	1.50	74.2		86	83-117		
<u>Reference (1720443-SRM2)</u>	<u>Prepared: 11-Dec-17 Analyzed: 14-Dec-17</u>									
Arsenic	63.0		mg/kg wet	1.50	74.1		85	83-117		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<u>SM2540 G (11) Mod.</u>										
Batch 1720186 - General Preparation										
<u>Duplicate (1720186-DUP1)</u>				<u>Source: SC42066-04</u>		<u>Prepared & Analyzed: 04-Dec-17</u>				
% Solids	89.0		%			88.4			0.7	5

Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW8151A										
Batch 411796A - 411796-										
BLK (BZ50411-BLK)					Prepared: 05-Dec-17 Analyzed: 06-Dec-17					
2,4,5-TP (Silvex)	ND		ug/kg	83				-		
Dicamba	ND		ug/kg	83				-		
MCPP	ND		ug/kg	25000				-		
MCPA	ND		ug/kg	25000				-		
Dinoseb	ND		ug/kg	170				-		
Dichloroprop	ND		ug/kg	170				-		
Dalapon	ND		ug/kg	83				-		
2,4-D	ND		ug/kg	170				-		
2,4,5-T	ND		ug/kg	83				-		
2,4-DB	ND		ug/kg	1700				-		
Surrogate: % DCAA	39		ug/kg		1000			30-150		
LCSD (BZ50411-LCSD)					Prepared: 05-Dec-17 Analyzed: 06-Dec-17					
Dalapon	57.10		ug/kg	%	100		57	40-140		30
MCPA	17310		ug/kg	%	30000		58	40-140		30
Dinoseb	54.86		ug/kg	%	100		55	10-110		20
MCPP	19280		ug/kg	%	30000		64	40-140		30
Dicamba	60.90		ug/kg	%	100		61	40-140		30
2,4-D	128.0		ug/kg	%	200		64	40-140		30
2,4,5-TP (Silvex)	59.64		ug/kg	%	100		60	40-140		30
2,4,5-T	61.16		ug/kg	%	100		61	40-140		30
Dichloroprop	139.0		ug/kg	%	200		70	40-140		30
2,4-DB	593.7		ug/kg	%	1000		59	40-140		30
Surrogate: % DCAA	457.8		ug/kg		1000		46	30-150		
MS (BZ50411-MS)					Source: BZ50411	Prepared: 05-Dec-17 Analyzed: 06-Dec-17				
Dichloroprop	129.0		ug/kg	170	200		65	30-150		30
MCPP	21780		ug/kg	25000	30000		73	30-150		30
Dinoseb	65.34		ug/kg	170	100		65	10-110		20
Dicamba	55.90		ug/kg	83	100		56	30-150		30
Dalapon	55.47		ug/kg	83	100		55	30-150		30
2,4-D	120.5		ug/kg	170	200		60	30-150		30
2,4,5-TP (Silvex)	59.54		ug/kg	83	100		60	30-150		30
2,4,5-T	62.50		ug/kg	83	100		62	30-150		30
2,4-DB	705.9		ug/kg	1700	1000		71	30-150		30
MCPA	17790		ug/kg	25000	30000		59	30-150		30
Surrogate: % DCAA	467.0		ug/kg		1000		47	30-150		
MSD (BZ50411-MSD)					Source: BZ50411	Prepared: 05-Dec-17 Analyzed: 06-Dec-17				
2,4,5-T	51.67		%	%	100		52	30-150	17.5	30
MCPA	16500		%	%	30000		55	30-150	7.0	30
Dinoseb	57.47		%	%	100		57	10-110	13.1	20
Dichloroprop	111.4		%	%	200		56	30-150	14.9	30
Dicamba	48.35		%	%	100		48	30-150	15.4	30
Dalapon	44.53		%	%	100		45	30-150	20.0	30
2,4-DB	608.6		%	%	1000		61	30-150	15.2	30
2,4,5-TP (Silvex)	52.05		%	%	100		52	30-150	14.3	30
MCPP	22710		%	%	30000		76	30-150	4.0	30
2,4-D	104.5		%	%	200		52	30-150	14.3	30
Surrogate: % DCAA	418.5		%		1000		42	30-150		

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Pesticides - Pesticide Breakdown Report

Analyte(s)	Column	% Breakdown	Limit
Batch S710637			
<u>Performance Mix (S710637-PEM1)</u>			
4,4'-DDT (p,p')	1	4.1	15.0
Endrin	1	6.1	15.0
4,4'-DDT (p,p')	2	2.3	15.0
Endrin	2	4.1	15.0
<u>Performance Mix (S710637-PEM2)</u>			
4,4'-DDT (p,p')	1	4.3	15.0
Endrin	1	6.8	15.0
4,4'-DDT (p,p')	2	2.2	15.0
Endrin	2	4.2	15.0

Notes and Definitions

QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
[2C]	Indicates concentration was reported from the secondary, confirmation column.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

☒ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed

Report To: Geolight Inc.

Invoice To: _____

Littleton MA 01460
1 Menarch Drive South-201

See Report to

Project No: 7877

Site Name: W. Sudbury Sand Pit Property

Location: Sudbury, MA

State: MA

Sampler(s): CAS

Quote/RO: _____

P.O. No.: _____

Quote/RO: _____

Telephone #: 978 679 1600

Project Mgr: Joel T. F. 10

F=Field Filtered 1=Na₂SO₄ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= _____ X2= _____ X3= _____

G=Grab C=Composite

Lab ID: Sample ID: Date: Time: Type

34206601 35-100-2' 11/30/17 10:10 Soil Composite Matrix

02 35-200-2' 10:40 1

03 35-300-2' 11:05 2

04 35-400-2' 11:35 1

05 35-500-2' 12:05 2

06 35-600-2' 13:30 1

07 35-700-2' 13:55 2

08 35-800-2' 14:25 1

Containers

of VOA Vials

of Amber Glass

of Clear Glass

of Plastic

List Preservative Code below:

Analysis

Check if chlorinated

MA DEP MCP CAM Report? ☒ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
Standard ☐ No QC
DQA* ☐ No
ASP A* ☐ ASP B* ☐ No
NI Reduced* ☐ NI Full* ☐ No
Tier II* ☐ Tier IV* ☐ No
Other: _____
State-specific reporting standards: _____

QA/QC Reporting Notes:
* additional charges may apply

Relinquished by: _____

Received by: _____

Date: _____

Time: _____

Temp °C

EDD format: _____

E-mail to: _____

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

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Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Present ☐ Intact ☐ Broken ☐

DI VOA Frozen ☐ Soil Jar Frozen ☐

Condition upon receipt: _____

Custody Seals: _____

Batch Summary

'[none]'

Subcontracted Analyses

SC42066-01 (SS-1 (0-2))
 SC42066-03 (SS-3 (0-2))
 SC42066-05 (SS-5 (0-2))
 SC42066-07 (SS-7 (0-2))

1720176

General Chemistry Parameters

SC42066-01 (SS-1 (0-2))
 SC42066-02 (SS-2 (0-2))
 SC42066-03 (SS-3 (0-2))

1720186

General Chemistry Parameters

1720186-DUP1
 SC42066-04 (SS-4 (0-2))
 SC42066-05 (SS-5 (0-2))
 SC42066-06 (SS-6 (0-2))
 SC42066-07 (SS-7 (0-2))
 SC42066-08 (SS-8 (0-2))

1720199

Pesticides

1720199-BLK1
 1720199-BS1
 1720199-BSD1
 1720199-DUP1
 1720199-MS1
 1720199-MSD1
 SC42066-01 (SS-1 (0-2))
 SC42066-03 (SS-3 (0-2))
 SC42066-05 (SS-5 (0-2))
 SC42066-07 (SS-7 (0-2))

1720443

Total Metals by EPA 6000/7000 Series Methods

1720443-BLK1
 1720443-DUP1
 1720443-MS1
 1720443-MSD1
 1720443-PS1
 1720443-SRM1
 1720443-SRM2
 SC42066-01 (SS-1 (0-2))
 SC42066-02 (SS-2 (0-2))
 SC42066-03 (SS-3 (0-2))
 SC42066-04 (SS-4 (0-2))
 SC42066-05 (SS-5 (0-2))
 SC42066-06 (SS-6 (0-2))
 SC42066-07 (SS-7 (0-2))
 SC42066-08 (SS-8 (0-2))

411796A

Subcontracted Analyses

BZ50411-BLK
 BZ50411-LCSD
 BZ50411-MS
 BZ50411-MSD
 SC42066-01 (SS-1 (0-2))
 SC42066-03 (SS-3 (0-2))
 SC42066-05 (SS-5 (0-2))
 SC42066-07 (SS-7 (0-2))

S709808

Pesticides

S709808-CAL1
 S709808-CAL2
 S709808-CAL3
 S709808-CAL4
 S709808-CAL5
 S709808-CAL6
 S709808-CAL7
 S709808-CAL8
 S709808-CAL9
 S709808-CALA
 S709808-CALB
 S709808-CALC
 S709808-CALD
 S709808-CALE
 S709808-CALF
 S709808-ICV1
 S709808-ICV2
 S709808-ICV3
 S709808-LCV1
 S709808-LCV2
 S709808-LCV3

S710637

Pesticides

S710637-CCV1
 S710637-CCV2
 S710637-CCV3
 S710637-CCV4
 S710637-CCV5
 S710637-CCV6
 S710637-IBL1
 S710637-IBL2
 S710637-PEM1
 S710637-PEM2

☒ Final Report
☐ Revised Report

Report Date:
 19-Dec-17 12:22

Laboratory Report SC42356

GeoInsight, Inc.
 1 Monarch Drive, Suite 201
 Littleton, MA 01460
 Attn: Joel Trifilo

Project: Melone Property - North Rd - Sudbury, MA
 Project #: 7877

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
 All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
 Connecticut # PH-0777
 Florida # E87936
 Maine # MA138
 New Hampshire # 2972/2538
 New Jersey # MA011
 New York # 11393
 Pennsylvania # 68-04426/68-02924
 Rhode Island # LAO00348
 USDA # P330-15-00375
 Vermont # VT-11393



Authorized by:
 Kimberly Laplante
 Quality Assurance Manager



Eurofins Spectrum Analytical holds primary certification in the State of Massachusetts for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of Massachusetts does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 15 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

Eurofins Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Spectrum Analytical, Inc. is currently accredited for the specific method or analyte indicated. Please refer to our Quality web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Eurofins Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (PA-68-04426).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.


Sample Summary

Work Order: SC42356
Project: Melone Property - North Rd - Sudbury, MA
Project Number: 7877

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SC42356-01	MW-2	Ground Water	06-Dec-17 14:10	11-Dec-17 14:15

Attachment2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)

MassDEP Analytical Protocol Certification Form

Laboratory Name: Eurofins Spectrum Analytical, Inc.			Project #: 7877		
Project Location: Melone Property - North Rd - Sudbury, MA			RTN:		
This form provides certifications for the following data set:			SC42356-01		
Matrices: Ground Water					
CAM Protocol					
✓	8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B
	8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A
	6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A	9012 Total Cyanide/PAC CAM VI A	9014 Total Cyanide/PAC CAM VI A
<i>Affirmative responses to questions A through F are required for Presumptive Certainty's status</i>					
A	Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?				✓ Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?				✓ Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?				✓ Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?				✓ Yes No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?				Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to questions A through E)?				✓ Yes No
<i>Responses to questions G, H and I below are required for Presumptive Certainty's status</i>					
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?				Yes ✓ No
Data User Note: Data that achieve Presumptive Certainty's status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.					
H	Were all QC performance standards specified in the CAM protocol(s) achieved?				Yes ✓ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?				✓ Yes No
<i>All negative responses are addressed in a case narrative on the cover page of this report.</i>					
<p><i>I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.</i></p> <div style="text-align: right; margin-top: 20px;">  Dawn E. Wojcik Laboratory Director Date: 12/19/2017 </div>					

CASE NARRATIVE:

Data has been reported to the RDL. This report excludes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

The samples were received 2.9 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group. If method or program required MS/MSD/Dup were not performed, sufficient sample was not provided to the laboratory.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

According to WSC-CAM 5/2009 Rev.1, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended recovery range, a range has been set based on historical control limits.

Some target analytes which are not listed as exceptions in the Summary of CAM Reporting Limits may exceed the recommended RL based on sample initial volume or weight provided, % moisture content, or responsiveness of a particular analyte to purge and trap instrumentation.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8260C**Calibration:**

1712031

Analyte quantified by quadratic equation type calibration.

1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene

This affected the following samples:

1720675-BLK1
1720675-BS1
1720675-BSD1
MW-2
S710666-ICV1
S710833-CCV1

Samples:

S710833-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Hexachlorobutadiene (-25.2%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

n-Butylbenzene (-21.5%)

SW846 8260C**Samples:**

S710833-CCV1

This affected the following samples:

1720675-BLK1

1720675-BS1

1720675-BSD1

MW-2

Sample Acceptance Check Form

Client: GeoInsight, Inc. - Littleton, MA
 Project: Melone Property - North Rd - Sudbury, MA / 7877
 Work Order: SC42356
 Sample(s) received on: 12/11/2017

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were samples received at a temperature of $\leq 6^{\circ}\text{C}$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples refrigerated upon transfer to laboratory representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples accompanied by a Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did sample container labels agree with Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples received within method-specific holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Attachment2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)

Summary of Hits

Lab ID:

Client ID:

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
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No hits detected.

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Attachment2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)

Sample Identification

MW-2

SC42356-01

Client Project #

7877

Matrix

Ground Water

Collection Date/Time

06-Dec-17 14:10

Received

11-Dec-17

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>Flag</u>	<u>Units</u>	<u>*RDL</u>	<u>MDL</u>	<u>Dilution</u>	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>	<u>Batch</u>	<u>C</u>
Volatile Organic Compounds													
<u>Volatile Organic Compounds by SW846 8260</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00	0.53	1	SW846 8260C	13-Dec-17	13-Dec-17	EK	1720675	
67-64-1	Acetone	< 10.0		µg/l	10.0	0.80	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
71-43-2	Benzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 0.50		µg/l	0.50	0.42	1	"	"	"	"	"	
75-25-2	Bromoform	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
74-83-9	Bromomethane	< 2.00		µg/l	2.00	0.90	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 2.00		µg/l	2.00	1.07	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.00		µg/l	1.00	0.41	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 2.00		µg/l	2.00	0.41	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.00		µg/l	1.00	0.44	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.00		µg/l	1.00	0.25	1	"	"	"	"	"	
75-00-3	Chloroethane	< 2.00		µg/l	2.00	0.59	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
74-87-3	Chloromethane	< 2.00		µg/l	2.00	0.37	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00	0.86	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		µg/l	0.50	0.32	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50	0.20	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.00		µg/l	1.00	0.31	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.00		µg/l	1.00	0.27	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00	0.58	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.00		µg/l	1.00	0.32	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.00		µg/l	1.00	0.69	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.00		µg/l	1.00	0.21	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.00		µg/l	1.00	0.42	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.00		µg/l	1.00	0.58	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.36	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.50		µg/l	0.50	0.35	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.50		µg/l	0.50	0.47	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	< 2.00		µg/l	2.00	0.53	1	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

MW-2

SC42356-01

Client Project #

7877

Matrix

Ground Water

Collection Date/Time

06-Dec-17 14:10

Received

11-Dec-17

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>C</i>
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
98-82-8	Isopropylbenzene	< 1.00		µg/l	1.00	0.36	1	SW846 8260C	13-Dec-17	13-Dec-17	EK	1720675	
99-87-6	4-Isopropyltoluene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	< 1.00		µg/l	1.00	0.24	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00	0.52	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 2.00		µg/l	2.00	0.66	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.00		µg/l	1.00	0.35	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.00		µg/l	1.00	0.34	1	"	"	"	"	"	
100-42-5	Styrene	< 1.00		µg/l	1.00	0.40	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50	0.33	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.00		µg/l	1.00	0.57	1	"	"	"	"	"	
108-88-3	Toluene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00	0.38	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00	0.30	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.00		µg/l	1.00	0.51	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1.00		µg/l	1.00	0.50	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00	0.36	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00	0.43	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.00		µg/l	1.00	0.47	1	"	"	"	"	"	
179601-23-1	m,p-Xylene	< 2.00		µg/l	2.00	0.38	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.00		µg/l	1.00	0.28	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 2.00		µg/l	2.00	1.06	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.00		µg/l	1.00	0.37	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.00		µg/l	1.00	0.49	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 1.00		µg/l	1.00	0.33	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 1.00		µg/l	1.00	0.29	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	5.90	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	11.4	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.00		µg/l	5.00	0.82	1	"	"	"	"	"	
64-17-5	Ethanol	< 200		µg/l	200	30.9	1	"	"	"	"	"	

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	86			70-130 %		"	"	"	"	"	"	
2037-26-5	Toluene-d8	113			70-130 %		"	"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	114			70-130 %		"	"	"	"	"	"	
1868-53-7	Dibromofluoromethane	116			70-130 %		"	"	"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1720675 - SW846 5030 Water MS										
Blank (1720675-BLK1)					<u>Prepared & Analyzed: 13-Dec-17</u>					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00		µg/l	1.00						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.50		µg/l	0.50						
Benzene	< 1.00		µg/l	1.00						
Bromobenzene	< 1.00		µg/l	1.00						
Bromochloromethane	< 1.00		µg/l	1.00						
Bromodichloromethane	< 0.50		µg/l	0.50						
Bromoform	< 1.00		µg/l	1.00						
Bromomethane	< 2.00		µg/l	2.00						
2-Butanone (MEK)	< 2.00		µg/l	2.00						
n-Butylbenzene	< 1.00		µg/l	1.00						
sec-Butylbenzene	< 1.00		µg/l	1.00						
tert-Butylbenzene	< 1.00		µg/l	1.00						
Carbon disulfide	< 2.00		µg/l	2.00						
Carbon tetrachloride	< 1.00		µg/l	1.00						
Chlorobenzene	< 1.00		µg/l	1.00						
Chloroethane	< 2.00		µg/l	2.00						
Chloroform	< 1.00		µg/l	1.00						
Chloromethane	< 2.00		µg/l	2.00						
2-Chlorotoluene	< 1.00		µg/l	1.00						
4-Chlorotoluene	< 1.00		µg/l	1.00						
1,2-Dibromo-3-chloropropane	< 2.00		µg/l	2.00						
Dibromochloromethane	< 0.50		µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50		µg/l	0.50						
Dibromomethane	< 1.00		µg/l	1.00						
1,2-Dichlorobenzene	< 1.00		µg/l	1.00						
1,3-Dichlorobenzene	< 1.00		µg/l	1.00						
1,4-Dichlorobenzene	< 1.00		µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00		µg/l	2.00						
1,1-Dichloroethane	< 1.00		µg/l	1.00						
1,2-Dichloroethane	< 1.00		µg/l	1.00						
1,1-Dichloroethene	< 1.00		µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00		µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00		µg/l	1.00						
1,2-Dichloropropane	< 1.00		µg/l	1.00						
1,3-Dichloropropane	< 1.00		µg/l	1.00						
2,2-Dichloropropane	< 1.00		µg/l	1.00						
1,1-Dichloropropene	< 1.00		µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50		µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50		µg/l	0.50						
Ethylbenzene	< 1.00		µg/l	1.00						
Hexachlorobutadiene	< 0.50		µg/l	0.50						
2-Hexanone (MBK)	< 2.00		µg/l	2.00						
Isopropylbenzene	< 1.00		µg/l	1.00						
4-Isopropyltoluene	< 1.00		µg/l	1.00						
Methyl tert-butyl ether	< 1.00		µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 2.00		µg/l	2.00						
Methylene chloride	< 2.00		µg/l	2.00						
Naphthalene	< 1.00		µg/l	1.00						
n-Propylbenzene	< 1.00		µg/l	1.00						

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1720675 - SW846 5030 Water MS										
Blank (1720675-BLK1)					<u>Prepared & Analyzed: 13-Dec-17</u>					
Styrene	< 1.00		µg/l	1.00						
1,1,1,2-Tetrachloroethane	< 1.00		µg/l	1.00						
1,1,2,2-Tetrachloroethane	< 0.50		µg/l	0.50						
Tetrachloroethene	< 1.00		µg/l	1.00						
Toluene	< 1.00		µg/l	1.00						
1,2,3-Trichlorobenzene	< 1.00		µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00		µg/l	1.00						
1,3,5-Trichlorobenzene	< 1.00		µg/l	1.00						
1,1,1-Trichloroethane	< 1.00		µg/l	1.00						
1,1,2-Trichloroethane	< 1.00		µg/l	1.00						
Trichloroethene	< 1.00		µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00		µg/l	1.00						
1,2,3-Trichloropropane	< 1.00		µg/l	1.00						
1,2,4-Trimethylbenzene	< 1.00		µg/l	1.00						
1,3,5-Trimethylbenzene	< 1.00		µg/l	1.00						
Vinyl chloride	< 1.00		µg/l	1.00						
m,p-Xylene	< 2.00		µg/l	2.00						
o-Xylene	< 1.00		µg/l	1.00						
Tetrahydrofuran	< 2.00		µg/l	2.00						
Ethyl ether	< 1.00		µg/l	1.00						
Tert-amyl methyl ether	< 1.00		µg/l	1.00						
Ethyl tert-butyl ether	< 1.00		µg/l	1.00						
Di-isopropyl ether	< 1.00		µg/l	1.00						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
1,4-Dioxane	< 20.0		µg/l	20.0						
trans-1,4-Dichloro-2-butene	< 5.00		µg/l	5.00						
Ethanol	< 200		µg/l	200						
Surrogate: 4-Bromofluorobenzene	43.1		µg/l		50.0		86	70-130		
Surrogate: Toluene-d8	55.8		µg/l		50.0		112	70-130		
Surrogate: 1,2-Dichloroethane-d4	59.0		µg/l		50.0		118	70-130		
Surrogate: Dibromofluoromethane	58.3		µg/l		50.0		117	70-130		
LCS (1720675-BS1)					<u>Prepared & Analyzed: 13-Dec-17</u>					
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.6		µg/l		20.0		118	70-130		
Acetone	24.7		µg/l		20.0		123	70-130		
Acrylonitrile	23.0		µg/l		20.0		115	70-130		
Benzene	23.5		µg/l		20.0		117	70-130		
Bromobenzene	20.5		µg/l		20.0		102	70-130		
Bromochloromethane	23.1		µg/l		20.0		116	70-130		
Bromodichloromethane	23.5		µg/l		20.0		118	70-130		
Bromoform	20.3		µg/l		20.0		102	70-130		
Bromomethane	23.6		µg/l		20.0		118	70-130		
2-Butanone (MEK)	23.1		µg/l		20.0		115	70-130		
n-Butylbenzene	16.6		µg/l		20.0		83	70-130		
sec-Butylbenzene	18.6		µg/l		20.0		93	70-130		
tert-Butylbenzene	18.2		µg/l		20.0		91	70-130		
Carbon disulfide	24.9		µg/l		20.0		124	70-130		
Carbon tetrachloride	22.3		µg/l		20.0		112	70-130		
Chlorobenzene	19.6		µg/l		20.0		98	70-130		
Chloroethane	22.3		µg/l		20.0		111	70-130		
Chloroform	23.2		µg/l		20.0		116	70-130		

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1720675 - SW846 5030 Water MS										
LCS (1720675-BS1)					Prepared & Analyzed: 13-Dec-17					
Chloromethane	23.7		µg/l		20.0		118	70-130		
2-Chlorotoluene	19.6		µg/l		20.0		98	70-130		
4-Chlorotoluene	19.5		µg/l		20.0		98	70-130		
1,2-Dibromo-3-chloropropane	20.6		µg/l		20.0		103	70-130		
Dibromochloromethane	24.1		µg/l		20.0		120	70-130		
1,2-Dibromoethane (EDB)	24.7		µg/l		20.0		124	70-130		
Dibromomethane	23.8		µg/l		20.0		119	70-130		
1,2-Dichlorobenzene	20.4		µg/l		20.0		102	70-130		
1,3-Dichlorobenzene	19.0		µg/l		20.0		95	70-130		
1,4-Dichlorobenzene	18.4		µg/l		20.0		92	70-130		
Dichlorodifluoromethane (Freon12)	25.4		µg/l		20.0		127	70-130		
1,1-Dichloroethane	24.2		µg/l		20.0		121	70-130		
1,2-Dichloroethane	23.1		µg/l		20.0		115	70-130		
1,1-Dichloroethene	23.9		µg/l		20.0		120	70-130		
cis-1,2-Dichloroethene	23.4		µg/l		20.0		117	70-130		
trans-1,2-Dichloroethene	23.9		µg/l		20.0		119	70-130		
1,2-Dichloropropane	22.4		µg/l		20.0		112	70-130		
1,3-Dichloropropane	24.0		µg/l		20.0		120	70-130		
2,2-Dichloropropane	23.4		µg/l		20.0		117	70-130		
1,1-Dichloropropene	21.1		µg/l		20.0		105	70-130		
cis-1,3-Dichloropropene	23.1		µg/l		20.0		116	70-130		
trans-1,3-Dichloropropene	24.3		µg/l		20.0		122	70-130		
Ethylbenzene	19.5		µg/l		20.0		98	70-130		
Hexachlorobutadiene	15.6		µg/l		20.0		78	70-130		
2-Hexanone (MBK)	22.2		µg/l		20.0		111	70-130		
Isopropylbenzene	19.0		µg/l		20.0		95	70-130		
4-Isopropyltoluene	17.0		µg/l		20.0		85	70-130		
Methyl tert-butyl ether	24.0		µg/l		20.0		120	70-130		
4-Methyl-2-pentanone (MIBK)	19.5		µg/l		20.0		97	70-130		
Methylene chloride	24.0		µg/l		20.0		120	70-130		
Naphthalene	16.8		µg/l		20.0		84	70-130		
n-Propylbenzene	18.4		µg/l		20.0		92	70-130		
Styrene	18.9		µg/l		20.0		95	70-130		
1,1,1,2-Tetrachloroethane	22.1		µg/l		20.0		110	70-130		
1,1,2,2-Tetrachloroethane	22.0		µg/l		20.0		110	70-130		
Tetrachloroethene	23.2		µg/l		20.0		116	70-130		
Toluene	25.8		µg/l		20.0		129	70-130		
1,2,3-Trichlorobenzene	18.9		µg/l		20.0		95	70-130		
1,2,4-Trichlorobenzene	18.1		µg/l		20.0		91	70-130		
1,3,5-Trichlorobenzene	16.9		µg/l		20.0		85	70-130		
1,1,1-Trichloroethane	22.5		µg/l		20.0		112	70-130		
1,1,2-Trichloroethane	24.7		µg/l		20.0		124	70-130		
Trichloroethene	22.5		µg/l		20.0		112	70-130		
Trichlorofluoromethane (Freon 11)	23.5		µg/l		20.0		118	70-130		
1,2,3-Trichloropropane	21.8		µg/l		20.0		109	70-130		
1,2,4-Trimethylbenzene	18.6		µg/l		20.0		93	70-130		
1,3,5-Trimethylbenzene	18.5		µg/l		20.0		93	70-130		
Vinyl chloride	22.1		µg/l		20.0		110	70-130		
m,p-Xylene	19.6		µg/l		20.0		98	70-130		
o-Xylene	20.1		µg/l		20.0		100	70-130		

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1720675 - SW846 5030 Water MS										
LCS (1720675-BS1)					Prepared & Analyzed: 13-Dec-17					
Tetrahydrofuran	23.0		µg/l		20.0		115	70-130		
Ethyl ether	22.3		µg/l		20.0		112	70-130		
Tert-amyl methyl ether	25.0		µg/l		20.0		125	70-130		
Ethyl tert-butyl ether	24.5		µg/l		20.0		123	70-130		
Di-isopropyl ether	24.2		µg/l		20.0		121	70-130		
Tert-Butanol / butyl alcohol	260		µg/l		200		130	70-130		
1,4-Dioxane	205		µg/l		200		103	70-130		
trans-1,4-Dichloro-2-butene	20.0		µg/l		20.0		100	70-130		
Ethanol	491		µg/l		400		123	70-130		
Surrogate: 4-Bromofluorobenzene	53.4		µg/l		50.0		107	70-130		
Surrogate: Toluene-d8	55.7		µg/l		50.0		111	70-130		
Surrogate: 1,2-Dichloroethane-d4	50.6		µg/l		50.0		101	70-130		
Surrogate: Dibromofluoromethane	54.7		µg/l		50.0		109	70-130		
LCS Dup (1720675-BSD1)					Prepared & Analyzed: 13-Dec-17					
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.8		µg/l		20.0		104	70-130	13	20
Acetone	23.7		µg/l		20.0		118	70-130	4	20
Acrylonitrile	23.0		µg/l		20.0		115	70-130	0.09	20
Benzene	22.5		µg/l		20.0		113	70-130	4	20
Bromobenzene	19.6		µg/l		20.0		98	70-130	4	20
Bromochloromethane	21.8		µg/l		20.0		109	70-130	6	20
Bromodichloromethane	21.5		µg/l		20.0		108	70-130	9	20
Bromoform	19.3		µg/l		20.0		97	70-130	5	20
Bromomethane	22.5		µg/l		20.0		112	70-130	5	20
2-Butanone (MEK)	22.7		µg/l		20.0		114	70-130	2	20
n-Butylbenzene	15.7		µg/l		20.0		78	70-130	6	20
sec-Butylbenzene	16.9		µg/l		20.0		84	70-130	10	20
tert-Butylbenzene	16.8		µg/l		20.0		84	70-130	8	20
Carbon disulfide	22.8		µg/l		20.0		114	70-130	9	20
Carbon tetrachloride	20.3		µg/l		20.0		102	70-130	9	20
Chlorobenzene	18.2		µg/l		20.0		91	70-130	7	20
Chloroethane	20.9		µg/l		20.0		104	70-130	7	20
Chloroform	21.6		µg/l		20.0		108	70-130	7	20
Chloromethane	21.1		µg/l		20.0		106	70-130	11	20
2-Chlorotoluene	17.7		µg/l		20.0		88	70-130	10	20
4-Chlorotoluene	17.9		µg/l		20.0		89	70-130	9	20
1,2-Dibromo-3-chloropropane	19.1		µg/l		20.0		96	70-130	7	20
Dibromochloromethane	23.2		µg/l		20.0		116	70-130	4	20
1,2-Dibromoethane (EDB)	23.8		µg/l		20.0		119	70-130	4	20
Dibromomethane	23.1		µg/l		20.0		115	70-130	3	20
1,2-Dichlorobenzene	19.5		µg/l		20.0		97	70-130	5	20
1,3-Dichlorobenzene	17.9		µg/l		20.0		89	70-130	6	20
1,4-Dichlorobenzene	17.5		µg/l		20.0		88	70-130	5	20
Dichlorodifluoromethane (Freon12)	22.6		µg/l		20.0		113	70-130	12	20
1,1-Dichloroethane	22.3		µg/l		20.0		111	70-130	8	20
1,2-Dichloroethane	21.5		µg/l		20.0		107	70-130	7	20
1,1-Dichloroethene	21.9		µg/l		20.0		110	70-130	9	20
cis-1,2-Dichloroethene	22.3		µg/l		20.0		111	70-130	5	20
trans-1,2-Dichloroethene	22.3		µg/l		20.0		111	70-130	7	20
1,2-Dichloropropane	22.2		µg/l		20.0		111	70-130	0.8	20
1,3-Dichloropropane	23.3		µg/l		20.0		116	70-130	3	20

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Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 1720675 - SW846 5030 Water MS										
LCS Dup (1720675-BSD1)					Prepared & Analyzed: 13-Dec-17					
2,2-Dichloropropane	21.3		µg/l		20.0		106	70-130	9	20
1,1-Dichloropropene	19.6		µg/l		20.0		98	70-130	7	20
cis-1,3-Dichloropropene	22.6		µg/l		20.0		113	70-130	2	20
trans-1,3-Dichloropropene	23.4		µg/l		20.0		117	70-130	4	20
Ethylbenzene	18.0		µg/l		20.0		90	70-130	8	20
Hexachlorobutadiene	15.0		µg/l		20.0		75	70-130	4	20
2-Hexanone (MBK)	22.4		µg/l		20.0		112	70-130	1	20
Isopropylbenzene	17.9		µg/l		20.0		89	70-130	6	20
4-Isopropyltoluene	16.1		µg/l		20.0		81	70-130	5	20
Methyl tert-butyl ether	23.6		µg/l		20.0		118	70-130	2	20
4-Methyl-2-pentanone (MIBK)	20.0		µg/l		20.0		100	70-130	3	20
Methylene chloride	22.8		µg/l		20.0		114	70-130	5	20
Naphthalene	17.9		µg/l		20.0		90	70-130	6	20
n-Propylbenzene	17.1		µg/l		20.0		85	70-130	7	20
Styrene	17.9		µg/l		20.0		89	70-130	6	20
1,1,1,2-Tetrachloroethane	20.9		µg/l		20.0		104	70-130	6	20
1,1,2,2-Tetrachloroethane	21.2		µg/l		20.0		106	70-130	3	20
Tetrachloroethene	21.1		µg/l		20.0		105	70-130	10	20
Toluene	23.8		µg/l		20.0		119	70-130	8	20
1,2,3-Trichlorobenzene	18.4		µg/l		20.0		92	70-130	3	20
1,2,4-Trichlorobenzene	17.4		µg/l		20.0		87	70-130	4	20
1,3,5-Trichlorobenzene	16.6		µg/l		20.0		83	70-130	2	20
1,1,1-Trichloroethane	20.7		µg/l		20.0		103	70-130	8	20
1,1,2-Trichloroethane	23.4		µg/l		20.0		117	70-130	6	20
Trichloroethene	21.3		µg/l		20.0		106	70-130	5	20
Trichlorofluoromethane (Freon 11)	21.2		µg/l		20.0		106	70-130	11	20
1,2,3-Trichloropropane	21.0		µg/l		20.0		105	70-130	4	20
1,2,4-Trimethylbenzene	17.1		µg/l		20.0		86	70-130	8	20
1,3,5-Trimethylbenzene	16.7		µg/l		20.0		84	70-130	10	20
Vinyl chloride	22.2		µg/l		20.0		111	70-130	0.7	20
m,p-Xylene	17.5		µg/l		20.0		87	70-130	11	20
o-Xylene	18.6		µg/l		20.0		93	70-130	8	20
Tetrahydrofuran	23.2		µg/l		20.0		116	70-130	0.8	20
Ethyl ether	22.8		µg/l		20.0		114	70-130	2	20
Tert-amyl methyl ether	23.8		µg/l		20.0		119	70-130	5	20
Ethyl tert-butyl ether	24.0		µg/l		20.0		120	70-130	2	20
Di-isopropyl ether	23.8		µg/l		20.0		119	70-130	2	20
Tert-Butanol / butyl alcohol	235		µg/l		200		117	70-130	10	20
1,4-Dioxane	198		µg/l		200		99	70-130	3	20
trans-1,4-Dichloro-2-butene	19.2		µg/l		20.0		96	70-130	4	20
Ethanol	467		µg/l		400		117	70-130	5	20
Surrogate: 4-Bromofluorobenzene	52.7		µg/l		50.0		105	70-130		
Surrogate: Toluene-d8	55.7		µg/l		50.0		111	70-130		
Surrogate: 1,2-Dichloroethane-d4	50.7		µg/l		50.0		101	70-130		
Surrogate: Dibromofluoromethane	52.9		µg/l		50.0		106	70-130		

Attachment2.a: Draft Melone Property Subsurface Investigation - January 9 2018 (2643 : Presentation by GeoInsight)

Notes and Definitions

dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Batch Summary

1720675

Volatile Organic Compounds

1720675-BLK1

1720675-BS1

1720675-BSD1

SC42356-01 (MW-2)

S710666

Volatile Organic Compounds

S710666-CAL1

S710666-CAL2

S710666-CAL3

S710666-CAL4

S710666-CAL5

S710666-CAL6

S710666-CAL7

S710666-CAL8

S710666-CAL9

S710666-ICV1

S710666-LCV1

S710666-LCV2

S710666-LCV3

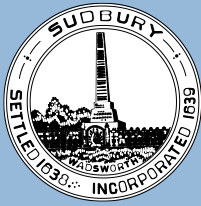
S710666-TUN1

S710833

Volatile Organic Compounds

S710833-CCV1

S710833-TUN1



MISCELLANEOUS (UNTIMED)

3: Next steps Melone property

REQUESTOR SECTION

Date of request:

Requested by: Patty Golden

Formal Title: Discussion regarding next steps on Melone property

Recommendations/Suggested Motion/Vote: Discussion regarding next steps on Melone property

Background Information:
attached report

Financial impact expected:

Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Barbara Saint Andre	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

02/06/2018 7:00 PM

TOWN OF SUDBURY

REQUEST FOR PROPOSALS

For the
Disposition of Real Property
(Melone property)

North Road
Parcel ID:
Sudbury, MA 01776

Attachment3.a: RFP for Melone Property (002) (2649 : Next steps Melone property)

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11. Evaluation & Decision-Making Procedures
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13. Exhibit B- Certificate of Tax Compliance
14. Exhibit C- Certificate of Corporate Bidder
15. Exhibit D- Certificate of Authority
16. Exhibit E- Disclosure Statement MGL c.7C, S38
17. Exhibit F- Form of Purchase and Sale Agreement

INTRODUCTION

The Town of Sudbury will receive sealed proposals for the sale and mixed-use development of land located at North Road, Sudbury, MA, as further described herein (the Property). The Request for Proposals ("RFP") packets shall be available at the Facilities Department, at the Town Manager's Office, Flynn Building, 278 Old Sudbury Road, Sudbury, MA as of _____, 2018, or by email at rodriguesm@sudbury.ma.us, and will be posted on the Town of Sudbury Website: www.sudbury.ma.us.

All proposals require a refundable deposit in the form of a certified check or money order made payable to the Town of Sudbury in the amount of \$10,000 (Ten thousand dollars).

Deposits of proposers not selected shall be refunded. All proposals must be in a sealed envelope or package and be submitted to the Town Manager's Office, Flynn Building, 278 Old Sudbury Road, no later than 2:00 P.M. on _____, 2018. All proposals must be complete and in compliance with the submission requirements outlined in the Request for Proposals (RFP).

The Town of Sudbury reserves the right to reject any and all proposals that do not meet the requirements set forth in the RFP or that are not in the best interests of the Town or to cancel this disposition of real Property at any time.

SUBMISSION REQUIREMENTS

All proposals must be submitted in a sealed envelope and/or package clearly labeled with the following three items:

1. Title: PROPOSAL FOR DISPOSITION OF REAL PROPERTY
Sudbury, MA
Melone Property
North Road
MAP DESCRIPTION:
Parcel ID: _____
2. From: NAME AND ADDRESS OF PROPOSER
3. To: Town of Sudbury
Melissa Murphy-Rodrigues, Town Manager
278 Old Sudbury Road
Sudbury, MA 01776

The Submission Deadline is:

2:00 P.M. (Local time)

_____, 2018

Town Manager's Office Flynn Building
278 Old Sudbury Road Sudbury, MA 01776

Timely delivery of a proposal at the location designated shall be the responsibility solely of the Proposer. Proposals received after this time will not be considered. The Town assumes no responsibility for delivery made or attempted to be made outside of regular business hours. The Town will not accept a bid delivered by telephonic, electronic or facsimile means.

All proposals must contain the following:

- A. Description of Proposer
- B. Address of Proposer
- C. Authorization to Submit Proposal (if applicable) (See Exhibit C)
- D. Certified Check for \$10,000 as deposit
- E. Written and Numerical Statement of Proposal Price
- F. Certificate of Non Collusion (See Exhibit A)
- G. MGL Chapter 62C sec 49A Cert of Tax Compliance (See Exhibit B)
- H. Certificate of Authority (See Exhibit D)
- I. MGL Chapter 7C sec 38 Disclosure of Beneficial Interest (See Exhibit E)
- J. Submission of Highest and Best Use Narrative & Price Proposal

CONTRACT TERMS AND CONDITIONS

The following terms and conditions will apply to the sale of the Property described within this Request for Proposals:

1. The sale of the Property is subject to review and recommendation by the Town Manager and by an evaluation committee consisting of Town officials. The sale of the Property is subject to the provisions of G.L. Chapter 30B and any/all other applicable state/local provisions. The Sudbury Board of Selectmen and Sudbury Town Meeting must approve the disposition of the Property.
2. The selected Proposer must execute a Purchase and Sale Agreement with the Town of Sudbury in substantially the same form as is attached hereto as Exhibit F within thirty days of notice by the Town of the award to the selected Buyer. The Town reserves the right to waive or extend this deadline as it sees fit.
3. The Town will consider responses for subdivision offers, with a minimum of 8 acres, on this Property. The selected Proposers(s) must purchase the Property within sixty days, or as otherwise agreed, of the execution of the Purchase and Sale Agreement. An additional \$15,000 (fifteen thousand dollars) deposit must be submitted with the Purchase and Sales Agreement. The Town reserves the right to extend this deadline.
4. The selected Proposer agrees to buy the Property "AS IS" and agrees to be solely responsible for obtaining any and all permits, approvals, waivers, releases, or any other requirements necessary to use or develop the Property. The Proposer shall be solely responsible at its sole cost and expense for its own inspection of and due diligence on the Property.
5. No real estate broker's commission shall be paid by the Town. Any Proposer using the services of a real estate broker in connection with this RFP shall be solely responsible for the payment of any commission, fee or other expense to such broker. The Proposer shall indemnify and hold harmless the Town from any claims for such commission, fee or other expense of any real estate broker.

MUNICIPAL PROPERTY OVERVIEW

PROPERTY DESCRIPTION

The Melone property, an approximately 46.6 acre parcel on North Road (Rt. 117), which was the site of the town's gravel pit, and is directly adjacent to a parcel of land owned by the Sudbury Water District, on which is located a cellular communications tower and antennae. Of the site's total acreage, approximately 16.4 acres (35%) is located in the Town of Concord. The site does have some wetlands, the bulk of which are located in the Town of Concord. The site is irregular in shape, with two of its boundaries following the centerline of unnamed brooks. Nearly the entire site has been disturbed by gravel and sand mining operations conducted by the Town. The topography of the site is typical of a working pit, with a broad flat area in the center and areas of steep slopes are the perimeter of the site where grades must meet existing grades of the abutter's properties.

The Property is of a somewhat odd shape and a private residential property extends into the site. The Property is within a Zone II of Sudbury and Concord Town wells. The site is currently zoned Research District. More information on the zoning can be found here: <https://s3-us-west-2.amazonaws.com/cdn.sudbury.ma.us/wp-content/uploads/sites/270/2017/08/2017-Zoning-Bylaw.pdf?version=376f3f3d1a5ede0767cbdd9f881f0929>

The Property has access to public water through the Water District. Electrical through Eversource. Natural gas through National Grid. The Town does not have sewer. The Property has some history of contamination. More information on site conditions can be found: <https://sudbury.ma.us/pcd/melonetechnical-memorandum-2016/>

The Property is being sold as is.

CONDITION OF PROPERTY

The Property for disposition is available "AS IS" and the Town of Sudbury will not make any improvements or changes to the Property as a condition of sale. Conveyance to the successful Proposer shall be subject to all restrictions and conditions of record, insofar as they may be in force and applicable to said parcel and are subject to the Town of Sudbury Zoning Bylaw.

SITE INSPECTION/DUE DILIGENCE

A formal walk-through of the Property will take place on _____, 2018, at 10:00 a.m. followed by a pre-proposal conference for the consideration of questions from prospective Proposers.

The Town of Sudbury makes no representation or warranty, express or implied, as to the accuracy and completeness of the information in this RFP. The proposer assumes all risk in connection with the use of the information, and releases the Town from any liability in connection with the use of the information provided by the Town. Further, the Town makes no

representation or warranty with respect to the Property, including without limitation, the value, quality or character of the Property or its fitness or suitability for any particular use and/or the physical and environmental condition of the Property. The Property will be sold in "AS-IS" condition.

Each Proposer shall undertake its own review and analysis (due diligence) concerning the physical and environmental condition of the Property, applicable zoning and other land use laws, required permits and approvals, and other development, ownership, and legal considerations pertaining to the Property and any proposed use. All costs and expenses of purchasing and developing the Property, including without limitation, all costs of permitting and improvements, shall be the sole responsibility of the successful proposer.

M.G.L. CHAPTER 21E

The Town of Sudbury has not undertaken a full M.G.L. Chapter 21E study for the Property. The Property has been used as a municipal gravel pit. However, the Town does not warrant that any land parcel available for disposition is free and clear of any contamination as defined by Chapter 21E. Proposer will assume all costs and responsibilities for any contamination and will hold the Town harmless for any costs to remediate the Property of any contamination.

SUBDIVISION/PERMITS/APPROVALS

All costs and responsibilities for obtaining any necessary or desired subdivision approval, zoning, and/or site plan approval, and releases for any easements, covenants, or any other restrictions that may be present on the Property will be the responsibility of the Buyer including but not limited to any municipal, state or federal provisions.

PERMITTING CONTINGENCY

The selected Proposer's obligation to consummate the purchase of the Property shall be contingent upon the Proposer obtaining all permits and other authorizations necessary in order to develop the Property as proposed (collectively, the "Permits"). Upon notification of being selected, the Proposer and the Town shall promptly negotiate in good faith a project development schedule that shall include a timeline for the developer to apply for and receive all Permits and to commence construction. In the event that the selected Proposer fails to meet the agreed upon deadlines (as may be extended by mutual agreement) to receive the Permits, the Town and the selected Proposer shall each have the right to terminate the Purchase and Sale Agreement for the Property. In the event of such termination, the Town shall have the right to select the next highest ranked proposer.

ZONING

Allowed uses will be according to the Town of Sudbury Zoning By-Law. Any proposed use of the Property shall be in compliance with the applicable Zoning District. The Property is zoned as part of the "Sudbury Research District".

QUESTIONS

Proposers may submit requests for clarification and any questions about information contained in this RFP in writing and addressed to: Town Manager's Office, Flynn Building, 278 Old Sudbury Road, Sudbury, MA 01776, or by email to rodriguesm@sudbury.ma.us. Proposers are requested to forward questions early in the procurement process and no later than _____. The name, address, telephone number and e-mail address of the person requesting the information must be provided by the Proposer. Answers to all questions of a substantive nature shall be provided in writing to all proposers. The Town will issue an addendum to this RFP to address the written questions submitted by the aforementioned deadline. Only answers provided by the Town in writing may be relied upon by the proposers.

REQUESTS FOR ADDITIONAL INFORMATION

The Town reserves the right to request additional information from any and all proposers if it is deemed necessary in order to identify the most advantageous proposal, and may request proposers to appear before the awarding authority at a public meeting to make presentations or answer questions concerning their proposals.

Minimum Evaluation Criteria

All Proposers must include the following components in their respective Proposals in order to be considered for review to meet the minimum criteria to be considered acceptable for this Property sale.

1. The Proposer must have experience area of property development; any and all property development that the Proposer has been involved in over the past three years must be included, or the Proposer must be an established business owner with demonstrated ability to develop property and commercial space.
2. The Proposer must demonstrate and verify that it is in good financial standing by providing certified financial statements and/or previous audit and such other related verification as is required.
3. If the Proposer is an out-of-state corporation they must be licensed to do business in Massachusetts and have a resident agent documented in the proposal.
4. The Proposer must be able to close on the property within 10 days of receipt of Permits.
5. The Proposer must have cash or pre-approval for full funding of the purchase price. Financing shall not be a contingency of the sale.

COMPARATIVE EVALUATION CRITERIA

THE BEST USE NARRATIVE: The Town of Sudbury is looking for a detailed narrative of the Proposer's mixed-use vision of the proposed use of this site, in particular utilizing municipal information, and the proposal that provides the highest tax revenue to the Town; the least impact on town services; and compliance with the applicable zoning and other Town by-laws. The Town of Sudbury held a Visioning Charette and an online survey regarding future uses for the Property. Details about the Charette and survey can be found on the town's website or at this link: <https://sudbury.ma.us/pcd/>. This narrative should not be more than five pages and should be accompanied by the appropriate attachments documenting in detail the Proposer's plan for implementation and development of this Property.

Impacts that should be described in writing, in detail by the Proposer that will be evaluated include but are not limited to: volume and type of traffic generated, noise levels, hours of operation, clear explanation and measurement of any environmental impacts on air, land and/or water, quality of life, and visual impacts.

The Town will include the following criteria in evaluating proposals. Each criteria response to be included in the narrative will be judged on a scale of 1-15 with a maximum of 15 points per criterion provided:

1. Description of the added economic enhancement and commercial/residential benefits to the Town of Sudbury, including anticipated tax revenue, and benefits to the surrounding business area; inclusion of a fiscal impact analysis is encouraged.
2. Information regarding job descriptions for full-time, part-time or subcontracted staff and supervisory personnel, which may result in employment opportunities for the Town of Sudbury residents.
3. Any improvements that the proposal would make to the quality of life of the residents of Sudbury.
4. Demonstrated need for the proposed mixed-use in the Sudbury community.
5. Proof of successful present or past performance working in the area of real estate development and/or facility development/operation.

***Note:** The narrative will constitute 75% of the Town's decision in order to determine the most highly advantageous Proposer. Ranking:

- A. Highly Advantageous: Provides substantial expected benefits in accordance with Town's criteria with extensive supportive documentation regarding best use analysis.
15 points
- B. Advantageous: Provides significant expected benefits in accordance with the Town's criteria with appropriate supportive documentation regarding best use analysis.
8 points
- C. Acceptable: Provides some expected benefits in accordance with the Town's criteria with only limited supportive documentation regarding best use analysis.
3-4 points
- D. Disadvantageous: Provides few, if any benefits in accordance with the Town's criteria with minimal supportive documentation regarding best use analysis.
0 points

COMPARATIVE EVALUATION CRITERIA: PRICE PROPOSAL

The Proposer must submit a price proposal based on all of the information included in this application. The Town will weigh the price proposal on the following scale:

- | | | |
|----|---|-----------|
| A. | Highly advantageous: Substantially highest price | 25 points |
| B. | Advantageous: Significantly higher price within 50-75% of highest price | 15 points |
| C. | Acceptable: Moderately higher price within 25-50% of highest price | 10 points |
| D. | Disadvantageous: Lowest price | 1 point |

Rule for award:

The most advantageous proposal from a responsive and responsible proposer, taking into consideration price and all other evaluation criteria set forth in the Request for Proposals.

MISCELLANEOUS

AMENDMENTS/MODIFICATIONS TO PROPOSALS

The Proposer may, at any time prior to the deadline for submission of the Proposals, amend or modify their Proposal by submitting their amendment/modification to the address specified in the RFP, in a sealed envelope/package containing the amendment/modification and clearly marked with the following:

1. Title: PROPOSAL FOR DISPOSITION OF REAL PROPERTY (Amendment)
Sudbury, MA
Melone Property on
North Road
MAP DESCRIPTION:
Parcel ID: _____
2. From: NAME AND ADDRESS OF PROPOSER
3. To: Town of Sudbury
Melissa Murphy-Rodrigues, Town Manager
278 Old Sudbury Road
Sudbury, MA 01776

All proposals, including the price stated therein, submitted in response to this Request for Proposals must remain firm for **one hundred and twenty days** following the bid opening.

WITHDRAWAL OF PROPOSALS

Any Proposer may withdraw its Proposal at any time prior to deadline established in this RFP. Any Proposer wishing to withdraw a Proposal must provide a written authorization and/or acknowledgment that they are withdrawing their Proposal and that the Town of Sudbury is held harmless from any responsibility as a result of the Proposal withdrawal.

REJECTION OF PROPOSALS

The Town reserves the right to reject any / or all Proposals that do not meet the submission requirements or evaluation criteria contained in the RFP or that are not in the best interests of the Town.

ADDENDA

Any changes to the terms for this RFP shall be made in the form of an Addendum to the RFP which will be forwarded to those who received a copy of the RFP by e-mail notification. The Town will not be notifying anyone who received a copy of the Request for Proposals from anyone other than the originator. If it is impossible to notify all parties who received an RFP

from the Town Manager's Office of an Addendum prior to the deadline for submission, the Town reserves the right to extend the deadline for submission through proper notice.

SITE VISIT

The Town will conduct a site visit on _____, 2018 at 10:00 a.m.

SUMMARY OF RFP SCHEDULE

Activity	Date
Post in Central Register	
Advertise in local newspaper	
Site Visit	
Submission Deadline and Opening of Proposals	

TOWN'S RIGHT TO REJECT PROPOSALS AND/OR CANCEL DISPOSITION

The Town of Sudbury reserves the right to reject any and all proposals that do not meet the requirements set forth in the RFP or that are not in the best interests of the Town or to cancel this disposition of real property.

EVALUATION AND DECISION MAKING PROCEDURES

The proposals will be opened publicly on _____, 2:00 p.m., at the Flynn Building, Silva Conference Room, 278 Old Sudbury Road. The Town will review the proposals. Following the review, the most advantageous proposal will be recommended to the Board of Selectmen for Award. After the review of the proposal recommendation and a compliance check in conjunction with other Departments, the Board of Selectmen may issue a Notice of Award to the successful proposer, subject to Town Meeting approval. The Town of Sudbury reserves the right to reject any and all proposals that do not meet the requirements set forth in the RFP or that are not in the best interests of the Town or to cancel this disposition of real property.

PRICE PROPOSAL FORM

In accordance with the information, terms and conditions attached hereto, I (We) hereby offer to purchase from the Town of Sudbury the property identified as:

**An approximate 46.6 acre parcel and building in the Town of Sudbury,
Melone Property on North Road
Sudbury, MA 01776
Parcel ID:**

For the sum of:

\$ _____

Offer Written: _____
Dollars

This proposal shall remain firm for **one hundred and twenty days** following the date of the bid opening. Attached hereto is a certified check or money order drawn on a banking institution licensed in the Commonwealth of Massachusetts in an amount equal to \$10,000 (Ten Thousand Dollars) which shall serve as surety for the faithful performance of this disposition of Property from the Town of Sudbury. This sum shall be forfeited to the Town of Sudbury if selected bidder does not execute a purchase and sale agreement as required herein. Bid deposits of parties not selected will be returned.

Signature of Proposer _____

Print Name _____

Address _____

City _____ State _____ Zip _____

Attachment 3.a: RFP for Melone Property (002) (2649 : Next steps Melone property)

Telephone # _____

E-mail address: _____

NOTE: If a partnership, corporation or limited liability company, list all partners, officers, members, etc. of the entity and include a sealed corporate vote to allow an individual to act on this matter.

Partnership / Corporation/ LLC Officers Names & Addresses

The Town of Sudbury reserves the right to reject any and all proposals or to cancel this disposition of real property if in its best interest to do so.

EXHIBIT A**CERTIFICATE OF NON-COLLUSION**

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals.

Signature of Individual, or Corporation Name

By: _____
Corporate Officer & Title (if applicable)

EXHIBIT B**TAX COMPLIANCE CERTIFICATE**

Pursuant to General Laws Chapter 62C Section 49A, the undersigned certifies under the pains and penalties of perjury that _____ is in compliance with

the laws of the Commonwealth of Massachusetts relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

Signature

Print Name

Title

EXHIBIT C**CERTIFICATE AS TO CORPORATE PROPOSER**

I _____, certify

that I am the _____ of the entity named

as Proposer in the within Proposal; that _____

who signed said Proposal on behalf of the Proposer was then _____

_____ of said entity; that I know his/her

signature and that his/her signature hereto is genuine and that said Proposal was duly

signed, sealed, and executed for and in behalf of said entity by authority of its

governing body.

(Corporate Seal)

Title

This Certificate must be completed where Proposer is a limited liability entity, and should be so completed by its Clerk or person authorized in the records of the entity to execute documents relating to real property. In the event that the Clerk is the person signing the Proposal on behalf of the Corporation, this Certificate must be completed by another Officer of the Corporation.

Attachment 3.a: RFP for Melone Property (002) (2649 : Next steps Melone property)

EXHIBIT D**Certificate of Authority**

Give full names and residences of all persons and parties having a financial interest in the foregoing proposal:

(Notice: Give first and last name in full; in case of Corporation give names of President, Treasurer and Manager; and in case of limited liability entities or partnerships, give names of the individual members.)

NAMES	ADDRESSES	ZIP CODE
-------	-----------	----------

_____	_____	
_____	_____	
_____	_____	

Provide the following information regarding the Proposer:

(1) If a Proprietorship

Name of Owner: _____

ADDRESS	ZIP CODE	TEL. #	_____
---------	----------	--------	-------

Business:	_____	_____	_____
-----------	-------	-------	-------

Home:	_____	_____	_____
-------	-------	-------	-------

(2) If a Partnership

Full names and address of all partners:

NAMES	ADDRESSES	ZIP CODE
-------	-----------	----------

_____	_____	_____
_____	_____	_____
_____	_____	_____

BUSINESS ADDRESS	ZIP CODE	TEL. #
------------------	----------	--------

_____	_____	_____
-------	-------	-------

(3) If a Corporation, Limited Liability Company, or other entity

Full Legal Name:

State of Incorporation:

Principal Place of Business:

ZIP _____

Qualified in Massachusetts:

Yes _____

No _____

Place of Business in Massachusetts:

ZIP CODE _____ TEL. # _____

(4) If a trust

Full Legal Name of Trust:

Date of Declaration of Trust and Recording Information:

Name of all Trustees:

NAMES

ADDRESSES

ZIP CODE

Authorized Signature of Proponent: _____

Title: _____

Date: _____

EXHIBIT E

DISCLOSURE STATEMENT FOR
TRANSACTION WITH A PUBLIC AGENCY CONCERNING REAL PROPERTY
M.G.L. c. 7C, §38

The undersigned party to a real property transaction with a public agency hereby discloses and certifies, under pains and penalties of perjury, the following information as required by law:

(1) Real Property: The Melone Property on North Road, Sudbury, MA containing approximately 46.6 acres of land

(2) Type of Transaction, Agreement, or Document: Sale of property by the Town of Sudbury

(3) Public Agency Participating in Transaction: Town of Sudbury

(4) Disclosing Party's Name and Type of Entity (if not an individual):

_____.

(5) Role of Disclosing Party (Check appropriate role):

____ Seller/Grantor ____ Buyer/Grantee

____ Other (Please describe): _____

(6) The names and addresses of all persons and individuals who have or will have a direct or indirect beneficial interest in the real property excluding only 1) a stockholder of a corporation the stock of which is listed for sale to the general public with the securities and exchange commission, if such stockholder holds less than ten per cent of the outstanding stock entitled to vote at the annual meeting of such corporation meeting all of the conditions specified in M.G.L. c. 7C, §38, are hereby disclosed as follows (attach additional pages if necessary):

Attachment 3.a: RFP for Melone Property (002) (2649 : Next steps Melone property)

**DISCLOSURE STATEMENT FOR
TRANSACTION WITH A PUBLIC AGENCY CONCERNING REAL PROPERTY**

M.G.L. c. 7C, §38

(6) CONT.

NAME

RESIDENCE

(7) None of the above-named persons is an employee of the Division of Capital Asset Management and Maintenance or an official elected to public office in the Commonwealth of Massachusetts, except as listed below (insert "none" if none):

(8)) The individual signing this statement on behalf of the above-named party acknowledges that he/she has read the following provisions of Chapter 7C, Section 38 of the General Laws of Massachusetts:

No agreement to rent or to sell real property to or to rent or purchase real property from a public agency, and no renewal or extension of such agreement, shall be valid and no payment shall be made to the lessor or seller of such property unless a statement, signed, under the penalties of perjury, has been filed by the lessor, lessee, seller or purchaser, and in the case of a corporation by a duly authorized officer thereof giving the true names and addresses of all persons who have or will have a direct or indirect beneficial interest in said property with the commissioner of capital asset management and maintenance. The provisions of this section shall not apply to any stockholder of a corporation the stock of which is listed for sale to the general public with the securities and exchange commission, if such stockholder holds less than ten per cent of the outstanding stock entitled to vote at the annual meeting of such corporation. In the case of an agreement to rent property from a public agency where the lessee's interest is held by the organization of unit owners of a

leasehold condominium created under chapter one hundred and eighty-three A, and time-shares are created in the leasehold condominium under chapter one hundred and eighty-three B, the provisions of this section shall not apply to an owner of a time-share in the leasehold condominium who (i) acquires the time-share on or after a bona fide arms-length transfer of such time-share made after the rental agreement with the public agency is executed and (ii) who holds less than three percent of the votes entitled to vote at the annual meeting of such organization of unit owners. A disclosure statement shall also be made in writing, under penalty of perjury, during the term of a rental agreement in case of any change of interest in such property, as provided for above, within thirty days of such change.

Any official elected to public office in the commonwealth, or any employee of the division of capital asset management and maintenance disclosing beneficial interest in real property pursuant to this section, shall identify his position as part of the disclosure statement. The commissioner shall notify the state ethics commission of such names, and shall make copies of any and all disclosure statements received available to the state ethics commission upon request.

The commissioner shall keep a copy of each disclosure statement received available for public inspection during regular business hours.

(9)) This Disclosure Statement is hereby signed under penalties of perjury.

Print Name of Disclosing Party (from Section 4, above)

Authorized Signature of Disclosing Party

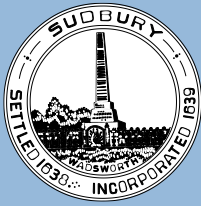
Date (mm / dd / yyyy)

Print Name & Title of Authorized Signer

EXHIBIT F
FORM OF PURCHASE AND SALE AGREEMENT

565319/SUDB/0001

Attachment3.a: RFP for Melone Property (002) (2649 : Next steps Melone property)



MISCELLANEOUS (UNTIMED)

4: Capital Planning Discussion

REQUESTOR SECTION

Date of request:

Requested by: Patty Golden

Formal Title: Capital Planning Discussion

Recommendations/Suggested Motion/Vote:

Background Information:

Financial impact expected:

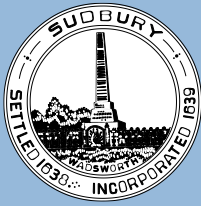
Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Barbara Saint Andre	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

02/06/2018 7:00 PM



SUDBURY BOARD OF SELECTMEN
Tuesday, February 6, 2018

5

MISCELLANEOUS (UNTIMED)

5: Share report from Fairbank Task Force

REQUESTOR SECTION

Date of request:

Requestor: Selectman Brown?

Formal Title: Share report from Fairbank Task Force

Recommendations/Suggested Motion/Vote:

Background Information:

Financial impact expected:

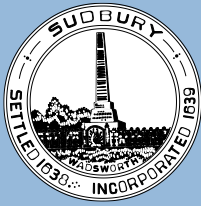
Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Barbara Saint Andre	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

02/06/2018 7:00 PM



SUDBURY BOARD OF SELECTMEN

Tuesday, February 6, 2018

MISCELLANEOUS (UNTIMED)**6: Accept ATM articles**REQUESTOR SECTION

Date of request:

Requested by: Patty Golden

Formal Title: Vote to accept ATM articles submitted by 1/31/18, vote on order of articles, take positions on articles, and designate articles for the consent calendar. Also vote to refer any Zoning Bylaw amendments and street acceptance articles to the Planning Board.

Recommendations/Suggested Motion/Vote: Vote to accept ATM articles submitted by 1/31/18, vote on order of articles, take positions on articles, and designate articles for the consent calendar. Also vote to refer any Zoning Bylaw amendments and street acceptance articles to the Planning Board.

Background Information:
see attached articles (summary list and full articles)

Financial impact expected:

Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Barbara Saint Andre	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

02/06/2018 7:00 PM

**ATM 2018 Articles
(DRAFT)**

#	Article Title	Status	Sponsor/ Submitted by	Article Presenter	BOS Position	FinCom Position	Report BOS position at ATM	Funding Source	Requested Amount	Required Vote	Consent Calendar
	IN MEMORIAM RESOLUTION										
	FINANCE/BUDGET										
1	Hear Reports	submitted	BOS							Majority	
2	FY18 Budget Adjustments	submitted	BOS							Majority	
3	FY19 Budget	submitted	Town Manager							Majority	
4	FY19 Capital Budget - Town Manager	submitted	Town Manager							Majority	
5	FY19 Transfer Station Enterprise Fund Budget	submitted	Town Manager							Majority	
6	FY19 Pool Enterprise Fund Budget	submitted	Town Manager							Majority	
7	FY19 Recreation Field Maintenance Enterprise Fund Budget	submitted	Town Manager							Majority	
8	FY18 Snow & Ice Transfer	submitted	Town Manager								
9	Unpaid Bills	submitted	Town Accountant							Four-fifths	
10	Chapter 90 Highway Funding	submitted	DPW Director							Majority	
11	FY19 Revolving Funds Spending Limits	submitted	SPS & Town							Majority	
12	Fund Litigation Costs - Eversource	submitted	BOS							Majority	
13	Fund Litigation Costs - Sudbury Station Project	submitted	BOS							Two-thirds	
14	Stabilization Fund (general)	submitted	BOS					Stabiliza- tion fund	\$150,000	Two-thirds	
15	Means Tested Senior Tax Exemption Extension	submitted	Assessors								
16	Amend Article XXV - Capital Planning	submitted	BOS								

Attachment 6.a: Articles list ATM 2018_draft1_PG (2601 : Accept ATM articles)

2/1/2018

Page 1

S-support; IP-Indefinitely Postpone; RTM-Report at Town Meeting

Packet Pg. 165

**ATM 2018 Articles
(DRAFT)**

#	Article Title	Status	Sponsor/ Submitted by	Article Presenter	BOS Position	FinCom Position	Report BOS position at ATM	Funding Source	Requested Amount	Required Vote	Consent Calendar
17	Amend Bylaws Article I - Town Meetings, s. 3	submitted	BOS								
18	Repeal Art. V(C) Smoking Prohibition	submitted	BOS							Two-thirds	
19	Amend Art. V, s.3 Nuisance or Dangerous Dogs	submitted	BOS							Majority	
20	Amend Zoning Bylaw, Art. 7000 Marijuana	submitted	Planning Board							Majority	
CAPITAL ARTICLES											
21	DPW Rolling Stock Replacement	submitted	DPW Director					Free cash	\$60,000	Majority	
22	DPW Equipment	submitted	DPW Director					Bonds	\$860,000	Majority	
23	DPW Underground Fuel Storage, etc.	submitted	DPW Director					Bonds	\$1,500,000	Majority	
24	Stearns Mill Pond Dam/Dutton Rd. Bridge	submitted	DPW Director					Bonds	\$1,850,000	Majority	
25	Sudbury Public Schools Playground Improvement Funding	submitted - also see CPC	SPS					Free cash		Majority	
26	Noyes School Fire Alarm System Replacement	submitted	SPS						22,000	Majority	
27	LSRHS Phone System Replacement	submitted	LSRHSC						\$80,000		
28	Cutting Field	submitted - wording to be revised	Park & Rec								
29	Construction of new Fire Station #2	submitted	Fire Chief								
30	Fairbank Community Center Design Funds	submitted	BOS						\$1,900,000		
31	Acquisition of Broadacre Farm	submitted - see also CPC	BOS								
32	Melone Property Disposition	submitted	BOS								
33	Lease Loring Parsonage	submitted	BOS								

Attachment 6.a: Articles list ATM 2018_draft1_PG (2601 : Accept ATM articles)

2/1/2018

Page 2

S-support; IP-Indefinitely Postpone; RTM-Report at Town Meeting

**ATM 2018 Articles
(DRAFT)**

#	Article Title	Status	Sponsor/ Submitted by	Article Presenter	BOS Position	FinCom Position	Report BOS position at ATM	Funding Source	Requested Amount	Required Vote	Consent Calendar
CPC Articles											
34	SPS Playground Modernization	submitted (supplement to SPS article)	CPC							Majority	
35	Pond Invasive Weed Removal	submitted	CPC							Majority	
36	Wayside Inn Invasive Plant Species Removal	submitted	CPC								
37	Acquisition of Broadacres Farm	submitted (supplement to BOS article)	CPC							Majority	
38	Regional Housing Services Office Allocation	submitted	CPC							Majority	
39	Sudbury Housing Trust Allocation	submitted	CPC							Majority	
40	CSX Alternative Acquisition Funding Reversion FY19	submitted	CPC								
41	Reversion of Funds FY19	submitted	CPC								
42	FY19 Community Preservation Fund General Budget and Appropriations	submitted	CPC								
PETITION ARTICLES											
43	Petition - Release of Deed Restriction	submitted	Guthy							Majority	
44	Petition - Welcoming Town	submitted	Taylor							Majority	
45	Resolution - Transparency in Political Donations	submitted	Keklak								

Attachment 6.a: Articles list ATM 2018_draft1_PG (2601 : Accept ATM articles)

2/1/2018

Page 3

S-support; IP-Indefinitely Postpone; RTM-Report at Town Meeting

TOWN OF SUDBURY WARRANT ARTICLE FORM ARTICLE ____

Instructions:

- 1) The **ORIGINAL, TYPED** article is to be submitted to the Selectmen's Office in final form.
- 2) Articles submitted by Boards and Committees must be signed by a majority accompanied by a copy of the vote signed by its Clerk.
- 3) **WARRANT REPORT**, briefly explaining intent and scope of article must be attached.
- 4) All monied articles must specify dollar amounts requested.
- 5) Article wording must be approved and article signed by Town Counsel before submission.


ARTICLE 1. HEAR REPORTS

To see if the Town will vote to hear, consider and accept the reports of the Town Boards, Commissions, Officers and Committees as printed in the 2017 Town Report or as otherwise presented; or act on anything relative thereto.

Submitted by the Board of Selectmen.

(Majority vote required)

BOARD OF SELECTMEN POSITION: The Board of Selectmen unanimously supports this article.

BY:  Vote of Board of Selectmen _____
Melissa Murphy Rodrigues, Town Manager

Approved by: _____
Town Counsel

1010 1010 55 15 39

PROBONA W
TOWN OF SUDBURY
MASSACHUSETTS

Attachment 6.b: ATM Art 1 thru 25 (2601 : Accept ATM articles)

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE ____

Instructions:

- 1) The **ORIGINAL, TYPED** article is to be submitted to the Selectmen's Office in final form.
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- 4) All monied articles must specify dollar amounts requested.
- 5) Article wording must be approved and article signed by Town Counsel before submission.

ARTICLE FY18 BUDGET ADJUSTMENTS

To see if the Town will vote to amend the votes taken under Article 3, FY18 Budget, of the 2017 Annual Town Meeting, by adding to or deleting from line items thereunder, by transfer between or among accounts or by transfer from available funds; or act on anything relative thereto.

Submitted by the Board of Selectmen.

(Majority vote required)

BOARD OF SELECTMEN REPORT: This article will allow flexibility to review all accounts within the FY18 operating budget to make adjustments at the ATM, if necessary. The Board will report at Town Meeting.

BY:  _____ Vote of Board of Selectmen _____
Melissa Murphy Rodrigues, Town Manager

Approved by: _____
Town Counsel

Attachment 6.b: ATM Art 1 thru 25 (2601 : Accept ATM articles)

TOWN OF SUDBURY WARRANT ARTICLE FORM

ARTICLE ____

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- 5) Article wording must be approved and article signed by Town Counsel before submission.

ARTICLE XX FY19 BUDGET

To see if the Town will vote to raise and appropriate, or appropriate from available funds, the following sums, or any other sum or sums, for any or all Town expenses and purposes, including debt and interest, and to provide for a Reserve Fund, all for the Fiscal Year July 1, 2018 through June 30, 2019, inclusive, in accordance with the following schedule, which is incorporated herein by reference; or act on anything relative thereto.

	FY19
EXPENDITURES	Recommended
Education - Sudbury Public Schools (SPS)	37,459,173
Education - LS Regional High School (LS)	24,762,716
Education - Vocational	663,719
General Government	3,087,783
Public Safety	8,581,159
Public Works	5,292,995
Human Services	792,406
Culture & Recreation	1,367,678
Town-Wide Operating and Transfers	536,963
Employee Benefits (Town and SPS)	12,331,171
Total Town Departments	94,875,763
 Town Debt Service	 3,100,625
OPEB Trust Contribution (Town and SPS)	540,249
TOTAL OPERATING BUDGET:	98,516,637

Submitted by the Town Manager

(Majority vote required)

SUBMITTED BY: 

Approved by: _____

Town Counsel

Attachment 6.b: ATM Art 1 thru 25 (2601 : Accept ATM articles)

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE ____

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- 5) Article wording must be approved and article signed by Town Counsel before submission.

ARTICLE XX FY19 CAPITAL BUDGET

To see if the Town will vote to raise and appropriate, or appropriate from available funds, the following sums for the purchase or acquisition of capital items including but not limited to capital equipment, construction, engineering, and design, including but not limited to renovation to buildings; and to determine whether this sum shall be raised by lease purchase or otherwise; or act on anything relative thereto.

	FY19 Recommended
Operating Capital Budget	
Sudbury Public Schools	102,000
LS Regional High School	97,818
Selectmen/Town Manager	100,000
Information Systems	40,900
Town Clerk & Registrars	50,000
Police	25,600
Streets & Roads	120,000
Parks and Grounds	100,000
Combined Facilities	140,000
Recreation	45,000
Total Operating Capital Budget	821,318

Submitted by the Town Manager

(Majority vote required)

SUBMITTED BY: 

Approved by: _____
Town Counsel

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE ____

Instructions:

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- 5) Article wording must be approved and article signed by Town Counsel before submission.

ARTICLE . XX FY19 TRANSFER STATION ENTERPRISE FUND BUDGET

To see if the Town will vote to raise and appropriate, or appropriate from available funds, the following sums set forth in the FY19 budget of the Transfer Station Enterprise, to be included in the tax levy and offset by the funds of the enterprise; or act on anything relative thereto.

	FY17 Actual	FY18 Appropriated	FY19 Recommended
TRANSFER STATION ENTERPRISE FUND			
Direct Costs	254,055	297,392	310,806
Indirect Costs	16,700	16,700	16,700
Total Expenditures	270,755	314,092	327,506
Enterprise Receipts	294,037	314,092	327,506
Total Revenues	294,037	314,092	327,506

Submitted by the Town Manager.

(Majority vote required)

SUBMITTED BY: 

Approved by: _____
Town Counsel

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE __

- Instructions:
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 - 4) All monied articles must specify dollar amounts requested.
 - 5) Article wording must be approved and article signed by Town Counsel before submission.


ARTICLE . XX FY19 POOL ENTERPRISE FUND BUDGET

To see if the Town will vote to raise and appropriate, or appropriate from available funds, the following sums set forth in the FY19 budget of the Atkinson Pool Enterprise, to be included in the tax levy and offset by the funds of the enterprise; or act on anything relative thereto.

	FY17 Actual	FY18 Appropriated	FY19 Recommended
POOL ENTERPRISE FUND			
Direct Costs	517,538	574,434	543,263
Indirect Costs	-	-	37,000
Total Expenditures	517,538	574,434	580,263
Enterprise Receipts	486,635	574,434	580,263
Total Revenues	486,635	574,434	580,263

Submitted by the Town Manager.

(Majority vote required)

SUBMITTED BY: 

Approved by: _____

Town Counsel

Attachment6.b: ATM Art 1 thru 25 (2601 : Accept ATM articles)

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE ____

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- 3) **WARRANT REPORT**, briefly explaining intent and scope of article must be attached.
- 4) All monied articles must specify dollar amounts requested.
- 5) Article wording must be approved and article signed by Town Counsel before submission.

ARTICLE . XX FY19 RECREATION FIELD MAINTENANCE ENTERPRISE FUND
BUDGET

To see if the Town will vote to raise and appropriate, or appropriate from available funds, the following sums set forth in the FY19 budget of the Recreation Field Maintenance Enterprise, to be included in the tax levy and offset by the funds of the enterprise; or act on anything relative thereto.

	FY17 Actual	FY18 Appropriated	FY19 Recommended
FIELD MAINTENANCE ENTERPRISE FUND			
Direct Costs	202,051	217,762	217,291
Indirect Costs	22,575	22,575	22,575
Total Expenditures	224,626	240,337	239,866
Enterprise Receipts	180,366	240,337	239,866
Total Revenues	180,366	240,337	239,866

Submitted by the Town Manager.

(Majority vote required)

SUBMITTED BY: 

Approved by: _____

Town Counsel

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE ____

Instructions:

- 1) The **ORIGINAL, TYPED** article is to be submitted to the Selectmen's Office in final form.
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- 3) **WARRANT REPORT**, briefly explaining intent and scope of article must be attached.
- 4) All monied articles must specify dollar amounts requested.
- 5) Article wording must be approved and article signed by Town Counsel before submission.

ARTICLE . Snow and Ice transfer

To see what sum the Town will vote to raise and appropriate, or transfer from available funds, to be expended under the direction of the Town Manager, for the purpose of funding the Fiscal Year 18 Snow and Ice deficit.

Submitted by the Town Manager. (Majority vote required)

TOWN MANAGER REPORT: Due to the nature of this year's winter, the Town was required to deficit spend in the DPW snow and ice accounts. This article will fund that deficit.

BY: 

Melissa Murphy Rodrigues, Town Manager

Vote of Board of Selectmen _____

Approved by: _____
Town Counsel

RECEIVED
BOARD OF SELECTMEN
SUDBURY, MA
JAN 22 11:19 AM

Attachment 6.b: ATM Art 1 thru 25 (2601 : Accept ATM articles)

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE ____

Instructions:

- 1) The **ORIGINAL, TYPED** article is to be submitted to the Selectmen's Office in final form.
- 2) Articles submitted by Boards and Committees must be signed by a majority accompanied by a copy of the vote signed by its Clerk.
- 3) **WARRANT REPORT**, briefly explaining intent and scope of article must be attached.
- 4) All monied articles must specify dollar amounts requested.
- 5) Article wording must be approved and article signed by Town Counsel before submission.

ARTICLE . UNPAID BILLS

To see if the Town will vote to raise and appropriate, or transfer from available funds, a sum of money for the payment of certain unpaid bills incurred in previous fiscal years or which may be legally unenforceable due to the insufficiency of the appropriation in the years in which such bills were incurred; or act on anything relative thereto.

Submitted by the Town Accountant.

(Four-fifths vote required)

TOWN ACCOUNTANT REPORT: Invoices that are submitted for payment after the accounts are closed at the end of a fiscal year or payables for which there are insufficient funds (and were not submitted for a Reserve Fund Transfer) can only be paid by a vote of the Town Meeting, a Special Act of the Legislature, or a court judgment.

SUBMITTED BY:

Christine Nihan

VOID 7/11/10 10:15:00

Approved by: _____

Town Counsel

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE ____

Instructions:

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- 4) All monied articles must specify dollar amounts requested.
- 5) Article wording must be approved and article signed by Town Counsel before submission.

ARTICLE CHAPTER 90 HIGHWAY FUNDING

To see if the Town will vote to authorize the Town Manager to accept and to enter into a contract for the expenditure of any funds allotted or to be allotted by the Commonwealth for the construction, reconstruction and maintenance projects of Town ways pursuant to Chapter 90 funding; and to authorize the Treasurer to borrow such amounts in anticipation of reimbursement by the Commonwealth; or act on anything relative thereto.

Submitted by the Director of Public Works.

(Majority vote required)

DIRECTOR OF PUBLIC WORKS REPORT: Each year the Legislature allocates funds to cities and towns for the improvement of their infrastructure, to be expended under the Chapter 90 guidelines. The current plans are to continue the implementation of our pavement management program.

SUBMITTED BY: _____

Daniel E. Nason
Public Works Director

Approved by: _____

Town Counsel

Attachment 6.b: ATM Art 1 thru 25 (2601 : Accept ATM articles)

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE # _____

Instructions:

- 1) The **ORIGINAL, DOUBLE SPACED, TYPEWRITTEN** article is to be submitted to the Selectmen's Office in final form.
- 2) Articles submitted by Boards and Committees must be signed by a majority accompanied by a copy of vote signed by its clerk.
- 3) **WARRANT REPORT**, briefly explaining intent and scope of article **must** be attached.
- 4) All monied articles must specify dollar amounts requested.
- 5) Article wording must be approved and article signed by Town Counsel before submission.

ARTICLE . XX FY19 REVOLVING FUND SPENDING LIMITS

To see if the Town will vote to establish the FY2019 spending limits for the use of revolving funds under M.G.L. c.44, s.53E ½, by the following departments of the Town in accordance with each fund set forth in Article XXXIII of the Town of Sudbury General Bylaws or act in any manner related thereto.

<u>Fund</u>	<u>Department</u>	<u>Maximum Amount</u>
Public Health Vaccinations	Board of Health	15,000.00
Plumbing & Gas Inspectional Services	Building Inspector	65,000.00
Portable Sign Administration & Inspectional Services	Building Inspector	10,000.00
Conservation (Trail Maintenance)	Conservation Commission	15,000.00
Conservation (Wetlands)	Conservation Commission	50,000.00
Council on Aging Activities	Council on Aging	50,000.00
Council on Aging Van Transportation (MWRTA)	Council on Aging	135,000.00
Cemetery Revolving Fund	Public Works	20,000.00
Fire Department Permits	Fire	50,000.00
Goodnow Library Meeting Rooms	Goodnow Library	10,500.00
Recreation Programs	Park and Recreation Commission	542,000.00
Teen Center	Park and Recreation Commission	20,000.00
Youth Programs	Park and Recreation Commission	170,000.00
Bus	Sudbury Public Schools	450,000.00
Instrumental Music	Sudbury Public Schools	100,000.00
Cable Television	Town Manager	30,000.00
Rental Property	Town Manager	40,000.00
Dog	Town Clerk	70,000.00
Zoning Board of Appeals	Zoning Board of Appeals	25,000.00
Solar Energy	Combined Facilities	330,000.00

Submitted by the Finance Director.

(Majority vote required)

Attachment 6.b: ATM Art 1 thru 25 (2601 : Accept ATM articles)

SUBMITTED BY: _____



Approved by: _____

Town Counsel

FINANCE DIRECTOR REPORT: This chart represents the amounts which may be spent from each fund during FY19. The maximum amount stated is the same as the FY18 maximum voted under Article 11 of the 2017 Annual Town Meeting except for the following: Conservation (Trail Maintenance) increased from \$7,500 to \$15,000 and Conservation (Wetland) increased from \$35,000 to \$50,000.

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE ____

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ARTICLE

FUND LITIGATION COSTS - EVERSOURCE

To see if the Town will vote to transfer _____ from available funds, to be expended under the direction of the Town Manager, for the purpose of legal fees, hiring of experts, and all related costs relative to litigation of the Eversource/Hudson reliability project; or act on anything relative thereto.

Submitted by the BOARD OF SELECTMEN.

(Majority vote required.)

BOARD OF SELECTMEN REPORT:

SUBMITTED BY: 

Approved by: _____

Town Counsel

JUL 14 2015 15:30

Attachment 6.b: ATM Art 1 thru 25 (2601 : Accept ATM articles)

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE __

Instructions:

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ARTICLE

FUND LITIGATION COSTS – SUDBURY STATION

To see if the Town will vote to transfer _____ from available funds, to be expended under the direction of the Town Manager, for the purpose of legal fees, hiring of experts, and all related costs relative to litigation of the Sudbury Station project; or act on anything relative thereto.

Submitted by the BOARD OF SELECTMEN.

(Majority vote required.)

BOARD OF SELECTMEN REPORT:

SUBMITTED BY: _____

Approved by: _____

Town Counsel

2019 JUN 28 10:30 PM

 TOWN OF SUDBURY
 BOARD OF SELECTMEN
 OFFICE

Attachment 6.b: ATM Art 1 thru 25 (2601 : Accept ATM articles)

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE __

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ARTICLE 3. STABILIZATION FUND

To see what sum the Town will vote to raise and appropriate, or transfer from available funds, to be added to the Stabilization Fund established under Article 12 of the October 7, 1982 Special Town Meeting, pursuant to M.G.L. Chapter 40, Section 5B; or act on anything relative thereto.

Submitted by the Board of Selectmen.

(Majority vote required)

BY:



Vote of Board of Selectmen _____

Melissa Murphy Rodrigues, Town Manager

Approved by: _____

Town Counsel

*may not
be wanted*

15

ARTICLE . MEANS TESTED SENIOR TAX EXEMPTION
EXTENSION

To see if the town meeting of the town of Sudbury shall vote on the following question:

"Shall an act passed in the general court in the year 2012 entitled, 'An act authorizing the town of Sudbury to establish a means tested senior citizen property tax exemption' be extended for FY 2019, FY 2020 and FY 2021?"

(Majority vote required)

Submitted by the Board of Assessors.

Board of Assessors

Three handwritten signatures are written over three horizontal lines. The first signature is a cursive 'J' followed by a flourish. The second signature is a cursive 'M' followed by a flourish. The third signature is a cursive 'S' followed by a flourish.

5010 TWM ST A 10:10
RECORDS MT
TOWN OF SUDBURY
MASSACHUSETTS

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE ____

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ARTICLE . Amend Article XXV Capital Planning

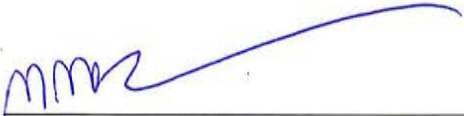
To see if the Town will vote to amend Article XXV, Section 2 of the Town of Sudbury General Bylaws by changing the words: "\$50,000 in a single year or over \$100,000 in multiple years" to read: "\$100,000 in a single year or over \$200,000 in multiple years", so that Section 2 will read as follows:

"SECTION 2. The CIAC shall study proposals from the Sudbury Town Manager, Sudbury Public Schools and the Lincoln Sudbury Regional High School or their representatives which involve major tangible items with a total project cost of more than \$100,000 in a single year or over \$200,000 in multiple years and which would likely require an article at Town Meeting for the project's authorization. The CIAC shall make a report with recommendations to the Finance Committee and the Board of Selectmen on these proposals."

Or act in any manner related thereto.

Submitted by the Board of Selectmen. (Majority vote required)

BOARD OF SELECTMEN REPORT: This article will allow the Town Manager to submit in the operating budget capital items up to \$100,000 rather than \$50,000. There are many smaller vehicle purchases as well as smaller capital items that would fall within the new threshold. This would allow the Town to streamline processes and fund more projects through the operating budget.

BY: 
Melissa Murphy Rodrigues, Town Manager

Vote of Board of Selectmen _____

Approved by: _____
Town Counsel

2018 JAN 22 P 12:38
RECEIVED
BOARD OF SELECTMEN
SUDBURY, MA

Attachment 6.b: ATM Art 1 thru 25 (2601 : Accept ATM articles)

TOWN OF SUDBURY WARRANT ARTICLE FORM ARTICLE ____

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ARTICLE 1. AMEND BYLAWS ART. I, TOWN MEETINGS, SECTION 3

To amend the Town of Sudbury Bylaws by removing Section 3 of Article I and inserting in its place the following:

Section 3. A Town Meeting shall be held during the months of September, October or November at such date, time and place as the Selectmen shall determine, unless the following applies. By the end of July, the Board of Selectmen shall discuss in public session, hold a public hearing and vote to determine whether a fall Town Meeting should occur. The public hearing shall be posted in accordance with the Open Meeting Law. The Board of Selectmen shall also solicit input from the Town via email or mail for a period of one week before the public hearing.

Submitted by the Board of Selectmen.

(Majority vote required)

BOARD OF SELECTMEN POSITION: The Board of Selectmen unanimously supports this article.

BY:  Vote of Board of Selectmen _____
Melissa Murphy Rodrigues, Town Manager

Approved by: _____
Town Counsel

Attachment 6.b: ATM Art 1 thru 25 (2601 : Accept ATM articles)

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE ____

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ARTICLE . Repeal Article V (C) Smoking Prohibition

To see if the Town will vote to repeal Article V (C) of the General Bylaws, Smoking Prohibition, in its entirety, or act in relation thereto.

Submitted by the Board of Selectmen. (Majority vote required)

BOARD OF SELECTMEN REPORT: Article V (c) Smoking Prohibition is an outdated bylaw that does not reflect the current state laws or the Board of Health regulations regarding smoking that were passed in 2017 after a rigorous process, including town and public input. The new regulations contemplate not only regular smoking products, but also electronic cigarettes. This outdated bylaw has become obsolete and the Board of Health regulations should be the governing regulation on this matter.

Submitted by the Board of Selectmen. (Majority vote required)

BOARD OF SELECTMEN REPORT:

RECEIVED
BOARD OF SELECTMEN
SUDBURY, MA
2018 JAN 29 P 4:05

BY: 
Melissa Murphy Rodrigues, Town Manager

Vote of Board of Selectmen _____

Approved by: _____
Town Counsel

Attachment 6.b: ATM Art 1 thru 25 (2601 : Accept ATM articles)

TOWN OF SUDBURY WARRANT ARTICLE FORM ARTICLE ____

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ARTICLE . Amend Article V Section 3 Nuisance or Dangerous Dogs

To see if the Town will vote to amend Sudbury Town ByLaw Article V, Section 3, Regulation of Dogs, by deleting Section 3-5, which currently reads as follows:

"s.3-5 Hearing Officer. The Board of Selectmen shall act on all matters pertaining to the enforcement of this bylaw and the settling of any disputes between the dog owner, the Town and its residents."

and inserting in its place a new Section 3-5 as follows:

"s. 3-5 Hearing Authority. The Board of Selectmen shall act as the Hearing Authority for all matters pertaining to the enforcement of this bylaw. The Hearing Authority shall investigate or cause the investigation of the complaint."

Or take any action in relation thereto.

Submitted by the Board of Selectmen. (Majority vote required)

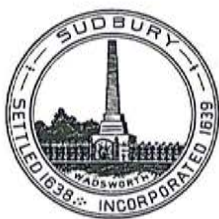
BOARD OF SELECTMEN REPORT:

RECEIVED
 BOARD OF SELECTMEN
 SUDBURY, MA
 2018 JAN 30 A 10:41

BY: 
 Melissa Murphy Rodrigues, Town Manager

Vote of Board of Selectmen _____

Approved by: _____
 Town Counsel



Town of Sudbury

Planning and Community Development Department

Meagen P. Donoghue, Director

Flynn Building
278 Old Sudbury Rd
Sudbury, MA 01776
978-639-3387
Fax: 978-443-0756

<http://www.sudbury.ma.us/services/planning>
donoghue@sudbury.ma.us

TO: Patty Golden, Administrative Assistant
FROM: Meagen Donoghue, Planning Director *MSD*
RE: Planning Board Warrant Article for 2018 Annual Town Meeting
DATE: January 31, 2018

Enclosed you will find the Marijuana Zoning Bylaw Article submitted by the Planning Board for inclusion in the 2018 Annual Town Meeting Warrant.

If you need anything further, please advise.

Attachments

cc: Town Counsel

RECEIVED
BOARD OF SELECTMEN
SUDBURY, MA
2018 JAN 31 A 11:46

Attachment 6.b: ATM Art 1 thru 25 (2601 : Accept ATM articles)

Article ____

To see if the Town will vote to amend the Town's Zoning Bylaw by adding the following new definitions to Article 7000 in alphabetical order:

"Marijuana Cultivator", an entity licensed by the Commonwealth of Massachusetts to cultivate, process and package marijuana, to deliver marijuana to marijuana establishments and to transfer marijuana to other marijuana establishments, but not to consumers.

"Marijuana Establishment", a marijuana cultivator, independent testing laboratory, marijuana product manufacturer, marijuana retailer or any other type of licensed marijuana-related business as defined in General Laws chapter 94G section 1.

"Marijuana Product Manufacturer", an entity licensed by the Commonwealth of Massachusetts to obtain, manufacture, process and package marijuana and marijuana products, to deliver marijuana and marijuana products to marijuana establishments and to transfer marijuana and marijuana products to other marijuana establishments, but not to consumers.

"Marijuana Products", products that have been manufactured and contain marijuana or an extract from marijuana, including, but not limited to concentrated forms of marijuana and products composed of marijuana and other ingredients that are intended for use or consumption, including edible products, beverages, topical products, ointments, oils and tinctures as defined by the Commonwealth of Massachusetts.

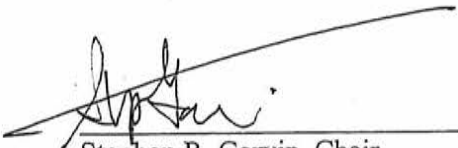
"Marijuana retailer", an entity licensed to purchase and deliver marijuana and marijuana products from marijuana establishments and to deliver, sell or otherwise transfer marijuana and marijuana products to marijuana establishments and to consumers.

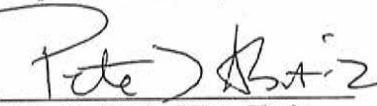
And by amending Section 2230, Table of Principal Use Regulations, by inserting as a principal use under C. Commercial uses, the following use:

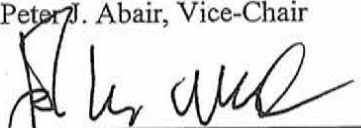
"Marijuana Establishment", and placing an "N" in the column for each district on the Table of Principal Use Regulations.

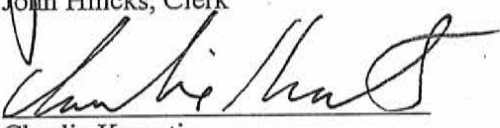
Or act on anything relative thereto.

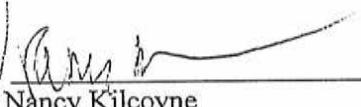
Sponsored by Planning Board



Stephen R. Garvin, Chair

Peter J. Abair, Vice-Chair

John Hincks, Clerk

Charlie Karustis

Nancy Kilcoyne

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE # _____

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ART. DPW ROLLING STOCK REPLACEMENT

To see if the Town will vote to raise and appropriate, or transfer from available funds, the sum of \$60,000, or any other sum, for the purchase or acquisition of vehicles for the Department of Public Works; or act on anything relative thereto.

Submitted by the Director of Public Works.

(Majority vote required)

DIRECTOR OF PUBLIC WORKS REPORT: This article is requesting \$60,000 for the replacement of a 2009 Chevy 2500HD which is old, unreliable and costly to repair. This vehicle is used daily and is one of the most used equipment in the fleet to perform everyday tasks including moving materials and equipment that is carried or towed and is also used for snow removal.

SUBMITTED BY: _____



APPROVED BY: _____

Town Counsel

Attachment 6.b: ATM Art 1 thru 25 (2601 : Accept ATM articles)

TOWN OF SUDBURY

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Art. _____ ~~DPW Rolling Stock~~ **EQUIPMENT**

To see if the Town will vote to raise and appropriate, or transfer from available funds, the sum of \$860,000, or any other sum, for the purchase or acquisitions of rolling stock, vehicles, and equipment for the Department of Public Works and borrowing costs including bond and note issue expense, and to raise this appropriation the Treasurer with the approval of the Selectmen is authorized to borrow under M.G.L. c. 44 s.7; and to determine whether all appropriations hereunder to be contingent upon the approval of a Proposition 2 ½ Debt Exclusion in accordance with G.L. c. 59 s. 21C; or act on anything relative thereto.

PUBLIC WORKS DIRECTOR REPORT: This article is requesting \$860,000 for the purchase of various pieces of vehicles and equipment including (1) One-ton dump truck with plow, wing and spreader, (1) Bucket truck, (2) Street sweepers, and (1) Mini-excavator.

The Public Works Department depends on the regular replacement of vehicles and equipment to maintain its fleet. Without these vehicles and equipment, the Public Works Department would not be able to perform effectively, causing delays in snow removal operations and various construction projects.

SUBMITTED BY: _____

APPROVED BY: _____

Town Counsel

Attachment 6.b: ATM Art 1 thru 25 (2601 : Accept ATM articles)

TOWN OF SUDBURY

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Art. DPW Underground Fuel Storage and Management System Replacement

To see if the Town will vote to raise and appropriate, or transfer from available funds, the sum of \$1,500,000, or any other sum, to be expended under the direction of the Department of Public Works Director for the purpose of constructing, reconstruction, or making extraordinary repairs in order to replace the underground fuel storage and management systems at the DPW Facility located at 275 Old Lancaster Road, and all appurtenances thereto and all expenses therewith including preparation of plans, specifications and bidding documents and borrowing costs including bond and note issue expense, and to raise this appropriation the Treasurer with the approval of the Selectmen is authorized to borrow under M.G.L. c. 44 s.7; and to determine whether all appropriations hereunder to be contingent upon the approval of a Proposition 2 ½ Debt Exclusion in accordance with G.L. c. 59 s. 21C; or act on anything relative thereto.

PUBLIC WORKS DIRECTOR REPORT: This article is requesting \$1,500,000 for the removal of the current fuel island, canopy, underground gas and diesel storage tanks and fuel management system along with the design and construction of a new fuel island, canopy, above ground gas and diesel storage tanks and fuel management system at the DPW Facility. The current fuel dispensing system is approximately 24 years old and at the end of its useful life. It provides gas and diesel to the entire DPW fleet, Police, Fire, Building, Facilities, BOH, Council on Aging, School Department (SPS and LS), Housing and the Water District. The existing fuel dispensing and management systems has been experiencing failures causing the need to seek alternate fuel sources including having to patronize privately-owned fuel stations (at a substantial increase in costs per gallon).

SUBMITTED BY: _____

APPROVED BY: _____

Town Counsel

Attachment 6.b: ATM Art 1 thru 25 (2601 : Accept ATM articles)

TOWN OF SUDBURY

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Art. Stearns Mill Pond Dam Design, Permit and Engineering Fees and
Dutton Road Bridge Replacement

To see if the Town will vote to raise and appropriate, or transfer from available funds, the sum of \$1,850,000, or any other sum, to be expended under the direction of the Department of Public Works Director for the purpose of obtaining design, permit and engineering fees associated with required subsequent repairs to the Stearns Mill Pond Dam in order to stabilize the dam and correct the safety deficiencies identified by the State and to fund the design and construction to replace the Dutton Road bridge downstream of the dam and over Hop Brook with all associated costs relative thereto, and borrowing costs including bond and note issue expense, and to raise this appropriation the Treasurer with the approval of the Selectmen is authorized to borrow under M.G.L. c. 44 s.7; and to determine whether all appropriations hereunder to be contingent upon the approval of a Proposition 2 ½ Debt Exclusion in accordance with G.L. c. 59 s. 21C; or act on anything relative thereto.

PUBLIC WORKS DIRECTOR REPORT: This article is requesting \$1,850,000 for the design/engineering, permitting and construction for the Stearns Millpond Dam in addition to the design/engineering, permitting and construction for the Dutton Road Bridge (over Hop Brook). The Stearns Millpond Dam is rated as a significant hazard dam by the Massachusetts Department of Conservation and Recreation (DCR) Office of Dam Safety (ODS). A recent inspection of the dam identified deficiencies which resulted in the Town receiving a Notice of Noncompliance (NON) by the ODS. In order to properly respond to the NON and to improve the rating, we will need to perform a Phase 2 study and a full analysis of the dam along with a remedial design. The Dutton Road Bridge (downstream of the Stearns Millpond outlet) is in disrepair as identified during recent culvert and bridge inspections. This structure provides a critical link for motorists traveling between Hudson Road to the north and Route 20 to the south.

SUBMITTED BY: _____

APPROVED BY: _____

Town Counsel

Attachment 6.b: ATM Art 1 thru 25 (2601 : Accept ATM articles)

TOWN OF SUDBURY

WARRANT ARTICLE FORM

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ARTICLE SUDBURY PUBLIC SCHOOLS PLAYGROUND IMPROVEMENT

To see if the Town will vote to raise and appropriate, or transfer from available funds, \$415,000 or any other sum, to be expended under the direction of the School Department for the purpose of construction, reconstruction, or making extraordinary repairs to the Sudbury Public Schools Playgrounds; and all expenses therewith including professional and engineering, the preparation of plans, specifications and bidding documents, and supervision of work; or act on anything relative thereto.

Submitted by the Sudbury Public Schools School Committee.

REPORT: This article seeking funding is presented for the purpose of addressing the playground condition at the Noyes Elementary School as part of the process to improve all Sudbury Schools' playgrounds originally initiated by Town Facilities Department with consultation from the Sudbury Public Schools Administration. A citizen's group, PlaySudbury, was formed to assist with design and community involvement working toward modernizing the school playgrounds.

This article seeking funding for playground improvements at the Noyes Elementary School is part of a multi-year project goal, which, upon completion, will bring the four (4) elementary school playgrounds into compliance with the American Disabilities Act (ADA) and the Massachusetts Architectural Access Board (MAAB) accessibility requirements. These projects include playground improvements already in progress at the Haynes Elementary School and this article will fund improvements at the Noyes Elementary School Playground. Fundraising, grant applications, and in-kind donations are currently being pursued by PlaySudbury in hopes of mitigating the costs of the total playgrounds project.

The Community Preservation Committee (CPC) voted on January 3, 2018 to contribute funds totaling \$250,000 towards the Noyes Elementary School Playground. Once CPC funds are approved by Town Meeting, this article will allow the acceptance of the CPC fund transfer and make up the remaining \$165,000 for the Noyes School playground project cost balance.

The playground improvements intend to apply concepts of universal design in order to create not just playgrounds, but multigenerational recreational spaces so that the entire community can utilize and enjoy our school grounds.

As PlaySudbury states, every student deserves equal access to their school playground. Despite being maintained, the Sudbury School playgrounds are outdated. The surfaces are not up to Massachusetts Architectural Access Board (MAAB) standards, and much of the equipment is not ADA compliant and nearing end of equipment's useful life. Due to lack of accessibility, some students are being denied an equal opportunity to participate alongside their peers in outdoor play activities. The multi-year Playground Project seeks to provide a safe, accessible play environment for our children to grow and thrive,

SUBMITTED BY: Donald R. Sawyer – SPS Director of Business & Finance

Donald R. Sawyer *For SPS School Committee*

APPROVED BY: _____
 Town Counsel

TOWN OF SUDBURY

WARRANT ARTICLE FORM

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ARTICLE NOYES FIRE ALARM SYSTEM REPLACEMENT

To see if the Town will vote to raise and appropriate, or appropriate from available funds, the sum of \$22,000.00 for the engineering and design services to create the specification documents necessary to replace the fire alarm system at Noyes Elementary School, including but not limited to renovation to buildings; or take any action relative thereto.

Submitted by the Sudbury Public Schools School Committee.

REPORT: This article seeks the funding to contract engineering and/or design services to complete the design specifications necessary for bidding and contract purposes, along with a true project cost estimate, for a Fire Alarm System Replacement at Noyes Elementary School.

The total project replaces the existing, antiquated fire alarm system at the Noyes School. The existing system is a proprietary system manufactured by Simplex and the repairs and parts are costly to repair or replace. Further, the existing system parts are becoming obsolete and no longer available.

This article ONLY seeks funding for engineering and design fees in order to provide the Town with a final total project details and cost to replace with a new Fire Alarm System and seek project funding at the Fall Town Meeting.

SUBMITTED BY: Donald R. Sawyer – SPS Director of Business & Finance

Donald R. Sawyer for SPS School Committee

APPROVED BY: _____

Town Counsel

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE __

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ARTICLE XX. REPLACEMENT OF TELEPHONE SYSTEM – LINCOLN-SUDBURY REGIONAL HIGH SCHOOL

To see if the Town will vote to raise and appropriate, or transfer from available funds, its proportionate share of \$80,000, or any other sum, to be expended under the direction of the Lincoln-Sudbury School Committee for the purpose of constructing, reconstructing, or making extraordinary repairs to the Lincoln-Sudbury Regional School District for the purpose of replacing the telephone system; and to determine whether said sum shall be raised by borrowing or otherwise; and to determine whether such funding will be subject to a Proposition 2 ½ exclusion; or act on anything relative thereto. Submitted by the Lincoln-Sudbury School Committee.

LINCOLN-SUDBURY SCHOOL COMMITTEE REPORT: Approval of this Article would enable the replacement of the existing telephone system at Lincoln-Sudbury Regional High School. The school district must maintain a reliable telephone system for communication and safety of students, staff and community. The current telephone system was installed in 2004. During recent repair and maintenance, the school district was informed that the manufacturer will no longer be supporting the server equipment. Once the supply of spare parts is expended, no more will be available.

The existing data infrastructure will be used to support the new phone telephone system so there will be no additional cost for installation beyond the actual equipment. The project includes coordination with Lincoln-Sudbury staff and project management, deployment of 320 telephones as well as staff training. If funding were to be approved, this project would be scheduled to be completed in the summer of 2018.

SUBMITTED BY: _____

Bella Wong, Superintendent/Principal

on behalf of the Lincoln-Sudbury Regional School District School Committee

Approved by: _____

Town Counsel

Attachment 6.c: ATM Art 26_thru_33 (2601 : Accept ATM articles)

TOWN OF SUDBURY WARRANT ARTICLE FORM ARTICLE ____

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ARTICLE Cutting Field

To see if the Town will vote to raise and appropriate or transfer from available funds the sum of \$500,000 or some other amount for the purpose of refurbishing and resurfacing Cutting Field.

Submitted by the Park and Recreation Commission.

(Majority vote required)

Park and Recreation Report: Cutting Field has reached the end of its useful life and needs to be resurfaced to maintain the integrity of the turf playing field. This field is over ten years old.

BY: _____

Park and Recreation Commission
Michael Ensley, Chair

Approved by Town Counsel: _____

RECEIVED
BOARD OF SELECTMEN
SUDBURY, MA
2017 AUG 31 P 12:30

ARTICLE.CONSTRUCTION OF NEW FIRE STATION #2

To see what sum the Town will vote to raise and appropriate, or transfer from available funds, to be expended under the direction of the Permanent Building Committee, for the purpose of constructing a new Fire Station #2 and appurtenant structures on Town-owned land located at its present location on the Boston Post Road, purchasing additional equipment, technology, and furniture, landscaping, and all expenses connected therewith, including professional, engineering, architectural, and project management services and preparation of plans, specifications and bidding documents, supervision of work, relocation, and borrowing costs and expense, and to see whether said sum shall be raised by borrowing or otherwise and determine whether such sum will be subject to a Proposition 2 ½ exclusion; or act on anything relative thereto.

Submitted by the Fire Chief.

(Two-thirds vote required, if borrowed.)

REPORT: The Fire Department is seeking to replace the current Boston Post Road Fire Station #2 located in front of the old Raytheon facility.

As many are aware, there has been a great deal of development in Sudbury in the past few years, much of it concentrated along the Route 20 corridor. The most recent project is the purchase of the former Raytheon plant by the National Development Corporation. The re-development of this site will see an addition of 250 apartments, 48 units of assisted living memory care units, and 60 active adult residential condominiums. We anticipate a considerable impact to requests for service from the fire department, estimating an increase of approximately 360 calls annually. This will constitute about a 15 per cent increase in our total calls from this development alone. In addition, the Coolidge Properties has recently been approved for another 50 units of housing on Route 20 near Landham Road.

The May 2017 Town Meeting authorized an addition of four Firefighter/Paramedic positions to the fire department, and we will be seeking four more in the near future. We currently run one Paramedic ambulance on a 24/7 basis, and a second ambulance on a part time basis. In order to reduce our unfair dependence on the ambulances in neighboring towns, we need to put our second ambulance into service on a full time basis. To be sure we can keep two ambulances running, we need to add a third ambulance to be sure that two are running at all times. Like any other vehicle, ambulances need periodic maintenance or can be out of service for unexpected repairs. Just as we currently own two ambulances to be sure one is available at all times, we need three ambulances to be sure two are running at all times.

It is critical that the Sudbury Fire Department grows in concert with the increases in the Town's housing stock and commercial properties, and the resulting population and patrons. An expanded and modern Station 2 is needed for greater capacity to house additional personnel and apparatus.

The current Station 2 was built in 1961 as a two-person station to respond the south side of Sudbury. It has served the Town well in the last 56 years, but the building is now inadequate in many ways. Fire apparatus and ambulances have grown much larger in size since 1961. The small bay doors and low ceiling heights require limiting the specifications when we purchase modern apparatus. In addition, the widening of Route 20 will be taking away some ramp space in front of the old fire station, making it difficult to back the fire engine into the present station without interrupting the traffic flow on Route 20. The most glaring deficiency is the one bunkroom and one bathroom at Station 2. There are presently no accommodations for female firefighters. This is a situation that needs to be addressed as soon as possible.

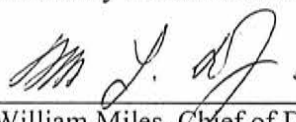
Our proposal is to demolish the old building and set up a temporary fire station and living quarters on a site to be determined on the south side of Town. Funding for this is included in the article. The new fire

station will be built in the same property location as the present station and will feature three wide bays that will hold two vehicles each, for a total storage capacity of six pieces of apparatus. The floor plan also calls for four bunkrooms and appropriate bathrooms, providing proper accommodations for female firefighters. To address the widening of Route 20, there will be a drive through feature, so returning apparatus will enter through the west side driveway near Whole Foods, and turn right, and right again to enter the new station from the rear. This will eliminate the dangerous practice of turning the apparatus into Route 20 traffic in an attempt to back into the old station through the front doors.

This project was initially approved at the October 2017 Town Meeting, but was not approved at the December special ballot. Due to the significant need for this project it is being resubmitted. The voters acknowledged the importance and the need for this new station, however, were concerned with the scope and cost to the community.

The Permanent Building Committee will work diligently to reduce the project costs consistent with the needs of the Fire Department; however, the true cost of the construction project is related to the accepted bid of the contractor, changes which may occur over the course of the project as well as actual costs for the temporary housing for the relocated personnel, engines and equipment during the construction process. The sum to be requested for approval at the Town Meeting covers all contingencies. The final borrowing will reflect only the actual costs of the project.

Submitted by


William Miles, Chief of Department

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE ____

Instructions:

- 1) The **ORIGINAL, TYPED** article is to be submitted to the Selectmen's Office in final form.
- 2) Articles submitted by Boards and Committees must be signed by a majority accompanied by a copy of the vote signed by its Clerk.
- 3) **WARRANT REPORT**, briefly explaining intent and scope of article must be attached.
- 4) Article wording must be approved and article signed by Town Counsel before submission.

Article Fairbank Community Center Design Funds

To see if the Town will vote to raise and appropriate, or transfer from available funds the sum of \$1,900,000, or any other sum, to be expended under the direction of the Permanent Building Committee, for professional and engineering services including project management services relative to the design of a new and/or renovated Community Center and all other appurtenances thereto to be constructed on Town-owned land on the current site of the Fairbank Community Center and Atkinson Pool, 40 Fairbank Road, and all expenses therewith including preparation of plans, specifications and bidding documents, and borrowing costs including bond and note issue expense, and to raise this appropriation the Treasurer with the approval of the Selectmen is authorized to borrow under M.G.L. c. 44 s.7; and to determine whether all appropriations hereunder to be contingent upon the approval of a Proposition 2 ½ Debt Exclusion in accordance with G.L. c. 59 s. 21C.

Submitted by the Board of Selectmen

By vote dated:

SUBMITTED BY: mm

Approved by: _____

Town Counsel

2018 JAN 22 A 11:19

RECEIVED
BOARD OF SELECTMEN
SUDBURY, MA

Attachment 6.c: ATM Art 26 thru 33 (2601 : Accept ATM articles)

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE ____

Instructions:

- 1) The **ORIGINAL, TYPED** article is to be submitted to the Selectmen's Office in final form.
- 2) Articles submitted by Boards and Committees must be signed by a majority accompanied by a copy of the vote signed by its Clerk.
- 3) **WARRANT REPORT**, briefly explaining intent and scope of article must be attached.
- 4) All monied articles must specify dollar amounts requested.
- 5) Article wording must be approved and article signed by Town Counsel before submission.


ARTICLE . Acquisition of Broadacre Farm

To see what sum the Town will vote to raise and appropriate, or transfer from available funds or borrow for the purpose of permanently protecting, by purchase by the Town upon such terms as the Board of Selectmen determine or by granting of a conservation restriction to the Town, pursuant to the General Laws Chapter 184 Sections 31-32, a 19.5 acre parcel of land which is a portion of the property located at 82 Morse Road, and all expenses in connection therewith; to see whether this sum shall be raised by borrowing or otherwise and determine whether such sum will be subject to a Proposition 2 ½ exclusion or act on anything relative there to.

Submitted by the Board of Selectmen. (Two-thirds vote required)

BOARD OF SELECTMEN REPORT:

RECEIVED
 BOARD OF SELECTMEN
 SUDBURY, MA
 2018 JAN 29 P 2:13

BY: 
 Melissa Murphy Rodrigues, Town Manager

Vote of Board of Selectmen _____

Approved by: _____
 Town Counsel

TOWN OF SUDBURY WARRANT ARTICLE FORM ARTICLE ____

Instructions:


- 1) The **ORIGINAL, TYPED** article is to be submitted to the Selectmen's Office in final form.
- 2) Articles submitted by Boards and Committees must be signed by a majority accompanied by a copy of the vote signed by its Clerk.
- 3) **WARRANT REPORT**, briefly explaining intent and scope of article must be attached.
- 4) All monied articles must specify dollar amounts requested.
- 5) Article wording must be approved and article signed by Town Counsel before submission.

ARTICLE . Melone

To see if the Town will vote to transfer to the Board of Selectmen for the purpose of conveying, and authorize the Board of Selectmen to convey the parcel of Town Land at the Melone property off North Road, which is currently the site of the town's gravel pit, on the terms and conditions established by the Board Selectmen, said real estate disposition to be made in compliance with General Law Chapter 30B to the extent applicable, and further to authorize the Board of Selectmen and other Town Officials to take all actions to carry out this Article, or act on anything relative thereto.

Submitted by the Board of Selectmen. (Two-third vote required)

BOARD OF SELECTMEN REPORT: Over the past several years, the Board of Selectmen has discussed the conditions and future use of the Melone property. This article will allow the Board of Selectmen to sell or dispose of the Melone property.

BY: 
Melissa Murphy Rodrigues, Town Manager

Vote of Board of Selectmen _____

Approved by: _____
Town Counsel

RECEIVED
BOARD OF SELECTMEN
SUDBURY, MA
2018 JAN 29 A 9:49

Attachment 6.c: ATM Art 26 thru 33 (2601 : Accept ATM articles)

TOWN OF SUDBURY

WARRANT ARTICLE FORM

ARTICLE ____

Instructions:

- 1) The **ORIGINAL, TYPED** article is to be submitted to the Selectmen's Office in final form.
- 2) Articles submitted by Boards and Committees must be signed by a majority accompanied by a copy of the vote signed by its Clerk.
- 3) **WARRANT REPORT**, briefly explaining intent and scope of article must be attached.
- 4) All monied articles must specify dollar amounts requested.
- 5) Article wording must be approved and article signed by Town Counsel before submission.

ARTICLE . Lease Loring Parsonage

To see if the Town will vote to authorize the Board of Selectmen to let or lease the Loring Parsonage for a term of up to 99 years for the purpose of ^{incorporating the into} building a Sudbury historical museum on such terms as the Board of Selectmen deem appropriate, or take any other action relative thereto.

Submitted by the Board of Selectmen. (Majority vote required)

BOARD OF SELECTMEN REPORT: This article would allow the Board of Selectmen to enter into a long term lease for the Loring Parsonage to be used as a Sudbury Historical Museum. This longer lease would allow greater flexibility for procurement purposes and greater stability for the town.

BY: _____

Melissa Murphy Rodrigues, Town Manager

Vote of Board of Selectmen _____

Approved by: _____

Town Counsel

RECEIVED
BOARD OF SELECTMEN
SUDBURY, MA
2018 JAN 29 A 9:49

Attachment 6.c: ATM Art 26 thru 33 (2601 : Accept ATM articles)

May 2018 Annual Town Meeting CPC Warrant Articles**1. Playground Modernization for Sudbury Public Schools**

To see if the Town will vote to appropriate an amount not to exceed \$250,000 of Community Preservation Act Funds, as recommended by the Community Preservation Committee, for the purpose of bringing a school playground into compliance with ADA and MAAB accessibility requirements and to develop a new, compliant outdoor area at the Noyes school, or act on anything relative thereto. The appropriation is to be allocated to the Recreation category and funded from FY19 revenue.

COMMUNITY PRESERVATION COMMITTEE REPORT: This article requests funding to update the Noyes School playground to bring the outdoor play space into compliance with ADA and MAAB (Massachusetts Architectural Access Board) accessibility requirements. As of March 2011, play areas need to be compliant with ADA standards. Currently, Sudbury's elementary school playgrounds are not ADA or MAAB compliant for access. The goal is to remove all barriers for children with disabilities so they can fully participate on the playground and develop physically, socially, and emotionally alongside their peers. The Playground Modernization project intends to bring all SPS playgrounds into compliance through a multi-year effort, which kicked off in 2017 when the Special Town Meeting in October appropriated initial funding for this project in the amount of \$275,000. Other funding sources are now being considered to fund the remainder of this project, including State grants, private foundations, and private fundraising.

The CPC understands the importance of updating the SPS playgrounds for access and safety for all those who utilize them throughout the year. As a result, the CPC voted to partially fund the updating of the playground at the Noyes School.

BOARD OF SELECTMEN POSITION:

FINANCE COMMITTEE REPORT:

2. COMMUNITY PRESERVATION FUND – GRIST MILL POND, CARDING MILL POND AND STEARNS MILL POND INVASIVE WEED REMOVAL

To see if the Town will vote to appropriate an amount not to exceed \$45,000 of Community Preservation Act funds, as recommended by the Community Preservation Committee, for the purpose of habitat restoration of Grist Mill Pond, Stearns Mill Pond and Carding Mill Pond, or act on anything relative thereto. This appropriation is to be allocated to the Recreation category and funded from FY19 Revenue.

COMMUNITY PRESERVATION COMMITTEE REPORT: This article requests funding for the harvesting of non-native, invasive aquatic weeds and other restoration activities in Grist Mill Pond, Carding Mill Pond and Stearns Mill Pond by the Hop Brook Protection Association or its representatives. Past harvesting efforts have been successful short-term measures to address the summer-time weed growth, but have been largely focused on Carding Mill Pond. In the summer of 2012, similar actions were taken on Stearns Mill Pond, with comparable success. In 2015, the Hop Brook Association requested CPA funds to harvest non-native, invasive aquatic weeds using natural, non-chemical methods for all three ponds and found great success. Use of the funds by the Hop Brook Pond Association for these purposes shall be limited to \$15,000 per year for FY19, FY20, and FY21. The CPC understands that this is a necessary effort to retain these Town assets in hopes of restoring the sustainability of the Hop Brook waterway system.

BOARD OF SELECTMEN POSITION:

FINANCE COMMITTEE REPORT:

3. COMMUNITY PRESERVATION FUND -- WAYSIDE INN REMOVAL OF INVASIVE PLANT SPECIES

To see if the Town will vote to appropriate an amount not to exceed \$12,500 of Community Preservation Act funds, as recommended by the Community Preservation Committee, for the purpose providing funds as proposed by the Longfellow's Wayside Inn Board of Trustees to have invasive vegetation removed in four identified specific areas of concern, or act on anything relative thereto. This appropriation is to be allocated to the Historic category and funded from FY 19 revenue.

COMMUNITY PRESERVATION COMMITTEE REPORT: This Article requests an appropriation not to exceed \$12,500 to fund a project in the Historic category, as recommended by the Community Preservation Committee. This project falls into several eligible CPA categories, including the preservation, rehabilitation, and restoration of historic resources. Longfellow's Wayside Inn is an important part of Sudbury's history, as well as a significant open space parcel containing a variety of wildlife habitats, geological features, and passive recreation opportunities. Preserving and enhancing the natural landscape of the property is critical to protecting the scenic integrity of this historic district area and its importance to Sudbury's past and future. This project meets numerous General and Specific Criteria of the Sudbury CPC, including consistency with the Town's Open Space and Recreation Plan, and preserving the essential character of the Town as described in the 2001 Master Plan. The CPC believes this project is necessary to protect and preserve the integrity of Sudbury's historic assets and to promote an awareness of the town's historic places. The Trustees of the Wayside Inn have consulted with the Conservation Commission and will work in concert with the Commission to clear vegetation from a brook that flows from Nobscot Mountain to Carding Mill Pond. The Trustees will fund the additional cost of restoration of vegetation in select areas in the estimated amount of \$6,000. Other areas of concern are along historic rock walls covered by invasive weeds and scenic views hampered by overgrowth.

BOARD OF SELECTMEN POSITION:

FINANCE COMMITTEE REPORT:

4. COMMUNITY PRESERVATION FUND -- ACQUISITION OF BROADACRES FARM

To see if the Town will vote to appropriate an amount of Community Preservation Funds, as recommended by the Community Preservation Committee, for the purpose of permanently protecting, by purchase by the Town upon such terms as the Board of Selectmen determine or another conservation organization for conservation purposes, or by granting of a conservation restriction to the Town, pursuant to General Laws chapter 184, sections 31- 32, a 19.5 acre parcel of land which is a portion of the property located at 82 Morse Road, and all expenses in connection therewith; to see whether this sum shall be raised by borrowing, under General Laws chapter 44, section 7 the Community Preservation Act, or any other enabling authority; and to appropriate a sum sufficient to pay the annual debt service from FY19 Community Preservation Fund Revenue including bond and note issuance expense; and further to authorize the Board of Selectmen to grant a conservation restriction on said parcel if purchased by the Town, or act on anything relative thereto. This appropriation is to be allocated to the Open Space and Recreation categories and funded from unrestricted reserves.

COMMUNITY PRESERVATION COMMITTEE REPORT: Broadacres Farm is a 34.5+/- acre horse farm located on both the north and south sides of Morse Road. The portion north of Morse Road contains approximately 15 acres, consisting of a five-acre field and portion that has been improved with a house, barn and indoor riding ring.

This article requests an appropriation to fund only the purchase of the southern portion of the Broadacres Farm, comprising approximately 19.5 acres of land southwest of Morse Road. The land will be protected for conservation land, open space, and agriculture, in perpetuity. The parcel abuts the Wake Robin Woods Conservation Land and the proposed Bruce Freeman Rail Trail. Acquisition of this property will create more than 50 acres of contiguous conservation land, which is part of a larger complex of an additional 63 acres of town-owned parcels containing public trails and protecting natural resource features. Access from Morse Road through Broadacres Farm will enable better upland access to Wake Robin Woods Conservation Land and provide the ability to create an expanded public trail network. It abuts a large area of mostly off-site floodplain. The protection of Broadacres Farm as an undeveloped parcel will help retain the flood storage capacity of the abutting flood-prone areas. This property is listed as a priority parcel for preservation in the 2009 Open Space and Recreation Plan and a priority Heritage Landscape in the 2006 Heritage Landscape Inventory Report. At the time of the draft warrant production, prior to the valuation being finalized, both the Land Acquisition Review Committee and Conservation Commission voted unanimously to support the Town pursuing acquisition of this parcel. The committees will update their positions at Town Meeting.

BOARD OF SELECTMEN POSITION:

FINANCE COMMITTEE REPORT:

5. COMMUNITY PRESERVATION FUND – REGIONAL HOUSING SERVICES OFFICE (RHSO)

To see if the Town will vote to appropriate an amount not to exceed \$30,000 of Community Preservation Act Funds, as recommended by the Community Preservation Committee, for the purpose of funding the Town's portion of Sudbury's Regional Housing Services Office (RHSO) membership fee supporting the Town's affordable housing activities, or act on anything relative thereto. The appropriation is to be allocated to the Community Housing category and funded from FY19 Revenue.

COMMUNITY PRESERVATION COMMITTEE REPORT: In recent years, Sudbury has made great strides towards satisfying the requirements of the State's Comprehensive Permit Act (Chapter 40B). This Act requires cities and towns to provide certification that the number of dwelling units in the municipality which qualify as "affordable" by statute meets or exceeds 10% of the municipality's total dwelling units. Falling short of that number, as Sudbury has until recent months, allows builders to both site and design partially affordable developments with extreme limitations on the Town's normal zoning and design oversights.

There are a great number of administrative requirements to certify additions to this approved inventory and to maintaining those certifications going forward. Sudbury used to provide these services in-house through the Dept. of Planning & Community Development, with funding through CPC administrative funds. In 2011 Sudbury took the lead in the creation of a seven-town shared services effort, both to improve 40B certification operations and to reduce the cost of doing so.

That entity, the Regional Housing Services Office (RHSO), is now more appropriately funded via a separate CPA article at Town Meeting, as the work is no longer housed within a Town department, and the seven-member, contractual Inter-Municipal Agreement arrangement is expected to continue to be the way the Town handles these responsibilities.

The services provided include affordable housing inventory monitoring; supervising lotteries to determine who qualifies for affordable housing; monitoring the Incentive Senior Developments at Frost Farm and Grouse Hill to ensure compliance with eligibility requirements; monitoring all deed restricted properties; providing valuations for deed restricted properties to the Town Assessor; reviewing compliance with Regulatory Agreements and certification to DHCD for LIP rental units (which will increase with the Avalon Bay Development); maintain the affordable housing inventory and provide estimates for 2020 SHI projections; and other administrative work, including annual action plans, 5 year consolidated plans, fair housing reports and programs, and related housing questions which arise during the year.

BOARD OF SELECTMEN POSITION:

FINANCE COMMITTEE REPORT:

6. COMMUNITY PRESERVATION FUND – SUDBURY HOUSING TRUST ALLOCATION

To see if the Town will vote to appropriate an amount not to exceed \$212,500 of Community Preservation Act Funds, as recommended by the Community Preservation Committee, for the purpose of providing funds to the Sudbury Housing Trust in support of its efforts to provide for the preservation and creation of affordable housing, or act on anything relative thereto. This appropriation is to be allocated to the Community Housing category and funded from FY19 Revenue.

COMMUNITY PRESERVATION COMMITTEE REPORT: This article requests an appropriation to fund the Sudbury Housing Trust using ten percent (10%) of anticipated FY19 CPA revenue that the Act requires be set aside for affordable housing. The Trust was created at the 2006 Annual Town Meeting, provided with start-up funding at the 2007 Annual Town Meeting, and has been funded with no less than the ten percent CPA allocation most years since 2008. These appropriations will go toward implementing the Housing Trust's multi-pronged housing strategy. The goal of all these community housing efforts is to create and retain affordable housing options for Sudbury residents, and to provide an increased diversity among Sudbury's housing options. The Housing Trust has also committed to financially support Coolidge of Sudbury, Phase 2, which will provide affordable housing in Sudbury sufficient to meet the 10 % state mandated minimum under M.G.L. c 40B until 2030.

BOARD OF SELECTMEN POSITION:

FINANCE COMMITTEE REPORT:

7. COMMUNITY PRESERVATION FUND –CSX ALTERNATIVE ACQUISITION FUNDING REVERSION OF FUNDS FOR FY19

To see if the Town will vote to return the unused balances from prior article authorization of 2010 Annual Town Meeting Article 36 in the amount of \$210,000 from Recreation and \$210,000 from Open Space into the CPA general account, or act on anything relative thereto.

COMMUNITY PRESERVATION COMMITTEE REPORT

At the April, 2008 Town Meeting, \$420,000 was appropriated in CPA funds in combination with other funds totaling \$700,000 for the purpose of purchasing in fee simple approximately 9.76 +/- acres of undeveloped land known as the CSX rail corridor and running south from a point near Union Avenue and Station Road to the Framingham town line. At the 2010 Town Meeting, the original article was amended to change the funding source from bonding to the above stated accounts. The intent is that this rail corridor will connect with the southern point of the Bruce Freeman Rail Trail and continue the rail trail into Framingham. Since that time, negotiations with CSX have been intermittent and other funding sources have expired.

Commented [BJSA1]: Please verify if this is true re funding sources.

Given the time that has lapsed, the Committee felt that Town Meeting should decide whether the funds so appropriated should remain dedicated to the eventual purchase of the CSX rail corridor, or be returned to the general CPA fund. The most recent appraisal of the land in 2016 estimated a value of \$770,000. The \$420,000 could purchase a portion of the rail corridor or be combined with other funds to purchase the entire corridor.

BOARD OF SELECTMEN POSITION:

FINANCE COMMITTEE REPORT:

8. COMMUNITY PRESERVATION FUND – REVERSION OF FUNDS for FY19

To see if the Town will vote to return the unused balances from prior article authorizations voted at prior Town Meetings, which projects have been completed, or otherwise, into the CPA general account as follows:

2008 ATM, Article 29	Town Window Restoration -	\$32,741.25
2010 ATM, Article 31	Radar Search –	709.34
2011 ATM, Article 30	Historic Projects –	8,730.00
2012 ATM, Article 24	Town Hall Architectural Study –	3,698.19
2012 ATM, Article 26	Historic Projects –	4,375.59
2014 ATM, Article 31	Historic Projects -	<u>137,323.00</u>
		\$183,637.37

to be returned to the category of Historic reserves; and

2017 ATM, Article 32	RHSO –	\$447.00
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to be returned to the category of Community Housing reserves; and

2006 ATM, Article 36	Carding Mill Pond Harvesting –	\$1,671.59
2015 ATM, Article 45	Harvesting of three Ponds -	<u>8,216.31</u>
		\$9,887.91

to be returned to the category of Open Space reserves; and

2013 ATM, Article 37	Softball Fields and Field Design-	\$1,518.72
2014 ATM, Article 29	Walkway Construction –	6,828.05
2015 ATM, Article 47	Walkway Construction –	<u>81,172.68</u>
		\$89,519.45

to be returned to the unrestricted reserves.

=====
Total: \$283,491.73

COMMUNITY PRESERVATION COMMITTEE REPORT: The above articles appropriated more than was actually spent on the various projects. All projects are completed at this time, or will not proceed to fruition, or, in the case of the walkway construction, has been determined by the Court to be no longer eligible for CPA funds. In order to return the funds to the CPA general account, this article and an affirmative vote of Town Meeting are necessary.

BOARD OF SELECTMEN POSITION:

FINANCE COMMITTEE REPORT:

9. COMMUNITY PRESERVATION FUND – GENERAL BUDGET AND APPROPRIATIONS

To see what sum the Town will vote to appropriate from Community Preservation Act funds, as recommended by the Community Preservation Committee, for the FY19 Community Preservation Act budget, or act on anything relative thereto.

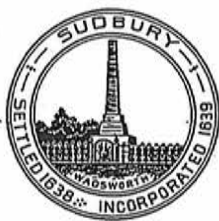
COMMUNITY PRESERVATION COMMITTEE REPORT: This article sets forth the entire FY19 CPA budget, including appropriations and reservations as required in connection with the administration of the CPA funds. The article appropriates funds for FY19 debt service obligations totaling \$1,178,335. These obligations arise from prior town meeting approval for the bonding of four projects: 1) purchase of the Dickson property utilizing the Open Space (\$32,448) and Historic Preservation (\$21,632) categories; 2) purchase of land and development rights as well as construction of a sports field on the Cutting property utilizing the Open Space (\$192,524) and Recreation (\$23,796) categories; 3) purchase of the Libby property utilizing the Open Space (\$151,163) category; 4) purchase of development rights on the Nobscot Boy Scout Reservation phases I and II utilizing the Open Space (\$465,050) category; 5) purchase of development rights on Pantry Brook Farm utilizing the Open Space (\$209,097) category; and 6) purchase of the Johnson Farm Property utilizing the Open Space (\$82,625) category.

The article also appropriates funds for administrative and operational expenses of the CPC in the amount of \$82,500. The administrative fund can be used by the CPC to pay for technical staffing and expertise, consulting services (e.g. land surveys and engineering), property appraisals, legal advertisements, publication fees and other administrative expenses. By statute the CPC could budget up to five percent (5%) of its annual budget for these administrative and operational expenses, or \$106,250 based upon the projected FY19 revenue of \$2,125,000. Any funds remaining in the administrative account at fiscal yearend revert to the CPA Fund Balance, and need to be re-appropriated for administrative use in subsequent years. The CPC believes that having access to administrative funds is critically important, in that it allows it to conduct business on a time-sensitive basis— a vital component of the CPA.

The article may also reserve the requisite statutory minimum of ten percent (10%) of the CPA budget in each of the core CPA categories of Open Space, Historic, and Affordable Housing. This minimum is mandated by the state CPA statute, and funds not spent in each of these three core categories must be reserved for future expenditure in those same categories. The actual amount reserved each year depends upon whether or not Town Meeting has appropriated money totaling less than 10%, or not appropriated any money at all, in any of these three core categories. If there is a balance of unspent CPA funds from that fiscal year after such reservations and after Town Meeting has voted the CPA articles, it is budgeted in the unrestricted reserve account for future CPC projects in all three categories.

BOARD OF SELECTMEN POSITION:

FINANCE COMMITTEE REPORT:



TOWN OF SUDBURY

Office of Selectmen

www.sudbury.ma.us

Flynn Building
278 Old Sudbury Rd
Sudbury, MA 01776-1843

978-639-3381

Fax: 978-443-0756

Email: selectmen@sudbury.ma.us

Petition for Town Meeting Article Submission

Date Received: 1/31/18

Petition Name: Release of Deed Restriction

Contact Name: Christopher Murray

Contact Address: 526 Boston Post Rd, Suite 2E, Wayland, MA 0177

Contact Phone: (978) 579-9800

Contact Email: Chris@danielmurraylaw.com

Pages Submitted: 4

Attachment 6.e: Release of Deed Restriction Resolution (2601 : Accept ATM articles)

REPORT: This Land on Pinewood Avenue is currently an unbuildable lot centered between two small, but similarly sized residential lots, 25 Pinewood Avenue and 35 Pinewood Avenue, respectively. This deed restriction release is being sought for the purpose of providing the opportunity to apply for a special permit to build a residence similar in size and style to recently constructed homes in the neighborhood.

It is understood that releasing the deed restriction shall likely substantially increase the taxation revenue the Town of Sudbury receives from the property, and turn an undeveloped lot into a quaint residential home.

RECEIVED
BOARD OF SELECTMEN
SUDBURY, MA
2018 JAN 31 P 4: 23

TOWN OF SUDBURY

FORM OF PETITION – ANNUAL TOWN MEETING ARTICLE MA

RECEIVED
BOARD OF SELECTMEN
ARTICLE MA

INSTRUCTIONS

2018 JAN 31 P 4: 23

SIGNATURE REQUIREMENTS: *Annual Town Meeting:* 10 valid signatures

NOTE: 1. Before obtaining signatures, submit a draft to the Selectmen's office for Town Counsel review. Email to bosadmin@sudbury.ma.us or provide hard copy to Selectmen's Office, 278 Old Sudbury Road, Sudbury.

2. The signatures must be certified by the Board of Registrars after submission to the Selectmen. In case any signatures must be rejected, it is suggested that you obtain more than the minimum stated above in order to have the required number certified.

3. All signatures must appear on a page containing or attached to the article wording.

4. A report, briefly explaining the intent and scope of the article, must be attached and will be printed in the Warrant.

5. Return signed original petition forms to Selectmen's Office, 278 Old Sudbury Road, Sudbury.

TO: Board of Selectmen, Sudbury, MA 01776

We, the undersigned, being registered voters of the Town of Sudbury, hereby petition that the following article be included in the Warrant for the Monday, May 7, 2018, Annual Town Meeting
(DATE)

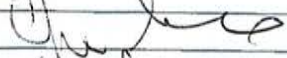
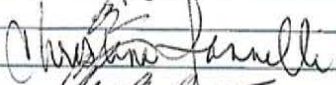
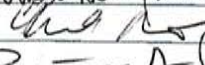
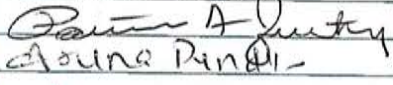
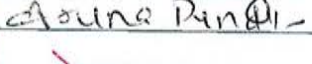
To see if the Town will vote to

authorize the Board of Selectmen to release the restriction placed upon the Land in Sudbury, Middlesex County, Massachusetts shown on the Town of Sudbury Assessors Map F04 as Parcel 0132, located on Pinewood Avenue, Sudbury, Massachusetts, consisting of approximately .12 acres and shown as Lots 44 and 45 of Block B on "Plan of Pine Lakes Sudbury Mass", dated April 1927, prepared by Robert B. Bellamy, Surveyor and recorded with the Middlesex Registry of Deeds, South District, as Plan 37 in Plan Book 394, reserving to itself all easements and restrictions of recorded. Said restriction is contained in the Deed to Charles J. Guthy of 24 Pinewood Avenue, Sudbury, Middlesex County, Massachusetts, conveyed by the Town of Sudbury being dated November 21, 2011, recorded with Middlesex County Registry of Deeds in Book 57930, Page 257. The aforementioned restriction prohibits the construction of any principal dwelling or principal structure on the property.

or act on anything relative thereto.

Signature	Printed Name	Address Where Registered
1 <i>Laurie Crotty</i>	LAURIE CROTTY	14 Pinewood Ave
2 <i>Bhona Jarmulowicz</i>	Bhona Jarmulowicz	23 Beechwood Ave
3 <i>Rosemary Treacy</i>	ROSEMARY TREACY	24 1/2 Hudson Rd
4 <i>Silvia Nercessian</i>	Silvia Nercessian	555 Dutton Rd
5 <i>Amy Claffey</i>	Amy Claffey	19 Pinewood Ave
6 <i>Vugar Jafarov</i>	VUGAR JAFAROV	18 Pinewood Ave
7 <i>Alex Klyachko</i>	Alex Klyachko	15 Pinewood Ave
8 <i>Elinor Klyachko</i>	Elinor Klyachko	15 Pinewood Ave
9 <i>Pamela...</i>	Pamela...	10 Pinewood Ave
10 <i>Susan Rider</i>	Susan Rider	18 Pinewood Ave
11 <i>Thomas W Higgins</i>	THOMAS W HIGGINS	20 Pinewood Ave
12 <i>Marcia Higgins</i>	MARCIA HIGGINS	74 Newbridge Rd
13 <i>Glenn A Hughes</i>	Glenn Hughes	74 Newbridge Rd
14 <i>Charles G Guthy</i>	CHARLES G GUTHY	63 Pine Mill Rd
15		24 PINWOOD AVE.

ATTENTION VOTERS: Please see petition text on front of this form.

16		Chris Blinnu	20 Beechwood Ave
17		Orge Sanborn Kwtudu	17 Beechwood Ave
18		Christina Sannelli	6 Beechwood Ave
19		Chan Nixon	7 Cypress Lake Dr
20		Patricia A. Guthy	24 Pinewood Ave
21		Aruna Pundit	62 Ridgehill Rd
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PLEASE DO NOT WRITE IN THE SPACE BELOW THIS LINE

Certification of Names

N-No such registered voter at this address or address is illegible

S-Unable to identify signature as that of a voter because of form of signature or signature is illegible

T-Already signed papers for this petition

Above signatures checked thus ✓ are the names of qualified Sudbury voters

(Date Certified) _____

We certify that _____
(# of names certified – use words and numbers)

Registrar of Voters of Sudbury

TOWN OF SUDBURY FORM OF PETITION – ANNUAL TOWN MEETING ARTICLE

RECEIVED
BOARD OF SELECTMEN
SUDBURY, MA

INSTRUCTIONS

2018 JAN 31 P 4: 23

SIGNATURE REQUIREMENTS: *Annual Town Meeting:* 10 valid signatures

NOTE: 1. Before obtaining signatures, submit a draft to the Selectmen's office for Town Counsel review. Email to hosadmin@sudbury.ma.us or provide hard copy to Selectmen's Office, 278 Old Sudbury Road, Sudbury.

2. The signatures must be certified by the Board of Registrars after submission to the Selectmen. In case any signatures must be rejected, it is suggested that you obtain more than the minimum stated above in order to have the required number certified.

3. All signatures must appear on a page containing or attached to the article wording.

4. A report, briefly explaining the intent and scope of the article, must be attached and will be printed in the Warrant.

5. Return signed original petition forms to Selectmen's Office, 278 Old Sudbury Road, Sudbury.

TO: Board of Selectmen, Sudbury, MA 01776

We, the undersigned, being registered voters of the Town of Sudbury, hereby petition that the following article be included in the Warrant for the Monday, May 7, 2018, Annual Town Meeting
(DATE)

To see if the Town will vote to

authorize the Board of Selectmen to release the restriction placed upon the Land in Sudbury, Middlesex County, Massachusetts shown on the Town of Sudbury Assessors Map F04 as Parcel 0132, located on Pinewood Avenue, Sudbury, Massachusetts, consisting of approximately .12 acres and shown as Lots 44 and 45 of Block B on "Plan of Pine Lakes Sudbury Mass", dated April 1927, prepared by Robert B. Bellamy, Surveyor and recorded with the Middlesex Registry of Deeds, South District, as Plan 37 in Plan Book 394, reserving to itself all easements and restrictions of recorded. Said restriction is contained in the Deed to Charles J. Guthy of 24 Pinewood Avenue, Sudbury, Middlesex County, Massachusetts, conveyed by the Town of Sudbury being dated November 21, 2011, recorded with Middlesex County Registry of Deeds in Book 57930, Page 257. The aforementioned restriction prohibits the construction of any principal dwelling or principal structure on the property.

or act on anything relative thereto.

Signature	Printed Name	Address Where Registered
1 Charles J. Guthy	Charles J. Guthy	24 Pinewood Avenue, Sudbury, MA 01776
2 Henrietta D. Waldman	HENRIETTA D WALDMAN	36 BEECHWOOD AVE Sudbury
3 Lillian A. Kelly	LILLIAN A. KELLY	14 Barton Dr. Sud.
4 Chantlan T. Wilson	Chantlan T. Wilson	150 North Rd H 6 Sudbury
5 Anna Roughsedge	Anna Roughsedge	50 Powder Mill Rd Sudbury
6 Jacqueline McCabe	Jacqueline McCabe	10 East St Sudbury
7 Mary L. Bealey	Mary L. Bealey	85 Jarmans Rd SUDBURY
8 Claire Guthy	Claire Guthy	24 Pinewood Ave. Sudbury, MA 01776
9 Ursula Lyons	Ursula Lyons	151 Wayside Inn Rd Sudbury
10 Dorothy M. Jarry	DOROTHY M. JARRY	97 Barton Dr. Sudbury, MA 01776
11 Elizabeth H. Radoski	ELIZABETH H Radoski	358 Old Ponaster Rd. Sudbury
12 Charlie Murphy	Charlie Murphy	50 Pinewood Ave
13 Alicia Sapienza	ALICIA SAPIENZA	70 RIDGE HILL RD
14 Deanna J. Stenak	DEANNA J. STENAK	93 Robbins Rd
15 Theresa Kuntweiler	Theresa Kuntweiler	85 Jarmans Rd Sudbury, MA 01776



TOWN OF SUDBURY

Office of Selectmen
www.sudbury.ma.us

Flynn Building
278 Old Sudbury Rd
Sudbury, MA 01776-1843
978-639-3381
Fax: 978-443-0756

Email: selectmen@sudbury.ma.us

Petition for Town Meeting Article Submission

Date Received:

1/31/2018

Petition Name:

SUDBURY WELCOMING TOWN RESOLUTION

Contact Name:

FRED TAYLOR

Contact Address:

38 CIDER MILL RD. SUDBURY

Contact Phone:

978-443-3658

Contact Email:

Fmrdm1@GMAIL.COM

Pages Submitted:

12

Attachment 6.f: Welcoming Town Resolution (2601 : Accept ATM articles)

Petitioner's Report:

Sudbury Welcoming Town Resolution

Sudbury has long held diversity as a community value. The Town, including its schools and Police Department, has been committed to upholding and protecting the civil and human rights and the life, safety, and security of all individuals, regardless of race, sex, sexual preference, religion, ethnicity or national origin. Consistent with this commitment, this proposed resolution, if adopted, will communicate and affirm existing policies, thereby ensuring that all immigrants are able to fully participate in the civic and economic life of our Town. We believe this will lead to a safer community, a better educated citizenry, and improved quality of life for all those who live, work, and visit our Town.

In light of national discussions and federal practices concerning immigrants, a committed group of Sudbury residents has sought to communicate our “welcoming town” values. We have worked closely with Police Chief Scott Nix and other Town officials to articulate the protections afforded all individuals and to ensure that Police Department practices are formalized and that the formalized policies are consistent with the Police Department’s goals to protect public safety. We appreciate that the Sudbury Police Department is committed to promoting safety and providing proactive community policing services to all who live, work, or visit our community. In furtherance of the adherence to the department’s community policing philosophy, all community members and general stakeholders should know that they are encouraged to seek and obtain police assistance and protection regardless of their specific immigration and/or documentation status without fear of status checks.

We urge Sudbury residents to support this resolution, to ensure that Sudbury is a safe and welcoming community for all individuals who live, work, or visit here.

January 31, 2018

Contact: Fred Taylor
38 Cider Mill Road, Sudbury, MA
978-443-3658
Fmrdm1@gmail.com

RECEIVED
BOARD OF SELECTMEN
SUDBURY, MA
2018 JAN 31 P 12:00

TOWN OF SUDBURY

FORM OF PETITION – ANNUAL TOWN MEETING ARTICLE

INSTRUCTIONS

SIGNATURE REQUIREMENTS: *Annual Town Meeting:* 10 valid signatures

NOTE: 1. Before obtaining signatures, submit a draft to the Selectmen's office for Town Counsel review. Email to bosadmin@sudbury.ma.us or provide hard copy to Selectmen's Office, 278 Old Sudbury Road, Sudbury.

2. The signatures must be certified by the Board of Registrars after submission to the Selectmen. In case any signatures must be rejected, it is suggested that you obtain more than the minimum stated above in order to have the required number certified.

3. All signatures must appear on a page containing or attached to the article wording.

4. A report, briefly explaining the intent and scope of the article, must be attached and will be printed in the Warrant.

5. Return signed original petition forms to Selectmen's Office, 278 Old Sudbury Road, Sudbury.

TO: Board of Selectmen, Sudbury, MA 01776

We, the undersigned, being registered voters of the Town of Sudbury, hereby petition that the following article be included in the Warrant for the May 7, 2018, Annual Town Meeting

To see if the Town will vote to adopt

SUDBURY WELCOMING TOWN RESOLUTION

A RESOLUTION to ensure that Sudbury is a safe and welcoming community for all individuals who visit, work, or live here.

WHEREAS: the Town of Sudbury has long valued diversity and the fair and respectful treatment of all.

WHEREAS: aligned with our country's core values, our town government, the Town's police department, and schools have always welcomed everyone regardless of their ethnicity, religion, race, or sexual preference.

WHEREAS: the Sudbury Police Department has established a Policy to protect the rights of undocumented immigrants and ensure their fair and just treatment.

WHEREAS: the trust undocumented immigrants have in our law enforcement personnel, town employees, and local medical and domestic violence agencies is paramount to their safety and well being and our Police Department's ability to prevent and solve crime.

WHEREAS: a growing number of immigrants are being deported from our state and country solely because they are undocumented, thereby resulting in fear, broken families, and their return to dangerous places in the world.

WHEREAS: in growing numbers, cities and towns in our state and country have expressed their support of immigrants by becoming welcoming or sanctuary communities.

THEREFORE, BE IT HEREBY RESOLVED: that Town Meeting expresses its solidarity with other towns and cities in Massachusetts and throughout the country that have chosen to become a welcoming or sanctuary community.

BE IT FURTHER RESOLVED: that Town Meeting affirms and supports the following Sudbury Police Department's Policies on the Treatment of Undocumented Immigrants:

1. The enforcement of the nation's federal civil immigration laws is the sole responsibility of the federal government, not the Sudbury Police Department. No Sudbury police officer shall be appointed as an agent of any agency that would grant them the powers duly authorized under the federal civil immigration laws.
2. No police officer of Sudbury shall arrest, detain, or continue to detain or prolong an individual's detention based solely on their immigration status unless such detainer or document is accompanied by a court order from a court of competent jurisdiction or duly authorized judicial warrant.
3. No police officer of Sudbury shall inquire about the immigration status of an individual, including but not limited to, a crime victim, a witness, or a person who calls or approaches the police, or any other member of the public with whom the police officer has contact, unless necessary to facilitate a criminal investigation, protect the personal safety of an individual or keep the peace.
4. A person's immigration status shall not affect their ability to file a police report or otherwise benefit from police services from the Town of Sudbury.
5. The Sudbury Police Department will not keep a local index or list of persons suspected of being aliens or deportable aliens.
6. No Sudbury police officer shall voluntarily respond to any ICE notification requests regarding civil immigration violations by providing any federal agent or agency information about an individual's incarceration status, hearing information, length of detention home address, or personal information.
7. The Sudbury Police Department may provide information regarding citizenship or immigration status in accordance with state or federal law, including, but not limited to, 8 U.S.C. § 1373. Nothing in this Policy shall prohibit or restrain any Sudbury law enforcement officer from sending to, or receiving from, any local, state, or federal agency, information regarding citizenship or immigration status, consistent with 8 U.S.C. § 1373 or an order from a court of competent jurisdiction.
8. No police officer of Sudbury or Sudbury Police Department employee shall allow Immigration and Customs Enforcement (ICE) or Customs Border Protection (CBP) agents investigating a civil immigration violation access to municipal facilities or a person in custody for investigative interviews or investigative purposes unless acting under a court order from a court of competent jurisdiction, a duly authorized warrant, or other legitimate law enforcement purpose that is not related solely to the enforcement of a civil immigration violation.
9. The Sudbury Police Department will continue to investigate reports of hate crimes, criminal discrimination, and criminal harassment of persons based upon their protected status, including, but not limited to, religion, race, ethnicity or national origin without regard to the person's known or suspected immigration status within the United States.
10. No Sudbury police officer shall participate directly in an ICE tactical operation relative to the enforcement of civil immigration laws. The Sudbury Police Departments role, if any, in such operations is strictly safety related and peacekeeping.

1/3

11. Nothing shall prevent an officer or employee from lawfully discharging his or her duties in compliance with and in response to a court order from a court of competent jurisdiction, lawfully issued judicial warrant, judicial subpoena, or judicial detainer or acting when necessary to protect public or personal safety.

BE IT FURTHER RESOLVED: that Town Meeting encourages all Town Departments to enact similar policies in regards to the Treatment of Undocumented Immigrants.

BE IT FURTHER RESOLVED: that the Town rejects the word "illegal" and "alien" to describe any human being.

BE IT FURTHER RESOLVED: that the Town upholds and reasserts its belief in basic human rights and the dignity of every human being.

BE IT FURTHER RESOLVED: that the Town Clerk shall forward a copy of this resolution on behalf of the Town of Sudbury to the Massachusetts Congressional delegation, the Governor of Massachusetts, and to the President of the United States.

or act on anything relative thereto.

ATTENTION VOTERS: Please see petition text on front of this form.

SIGNATURES to be made in person with name substantially as registered

Signature	Printed Name	Address Where Registered
1 <i>Tatiana Vitvitsky</i>	TATIANA VITVITSKY	55 HUDSON RD. #8A
2 <i>Sandra Lasky</i>	SANDRA LASKY	19 Abbotswood Drive
3 <i>Margaret Espinola</i>	Margaret Espinola	224 Goodman's Hill Road
4 <i>John D. Riordan</i>	JOHN D. RIORDAN	12 Pendleton Road
5 <i>Susan Iuliano</i>	Susan Iuliano	22 Jason Dr.
6 <i>Carl D. Offner</i>	CARL D. OFFNER	46 SUNSET PATH
7 <i>Ksenia Oken</i>	Ksenia Oken	99 Pokonocket Ave
8 <i>Cindy Ku</i>	Cindy Ku	406 Old Lancaster Road
9 <i>Ahn Barysh</i>	Ahn Barysh	14 Bant Brook Rd
10 <i>Gary M.C. Bean</i>	GARY M.C. BEAN	3 Wilshire Rd
11 <i>Kathleen C. Bean</i>	Kathleen C. Bean	3 Wilshire Rd.
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11. Nothing shall prevent an officer or employee from lawfully discharging his or her duties in compliance with and in response to a court order from a court of competent jurisdiction, lawfully issued judicial warrant, judicial subpoena, or judicial detainer or acting when necessary to protect public or personal safety.

BE IT FURTHER RESOLVED: that Town Meeting encourages all Town Departments to enact similar policies in regards to the Treatment of Undocumented Immigrants.

BE IT FURTHER RESOLVED: that the Town rejects the word "illegal" and "alien" to describe any human being.

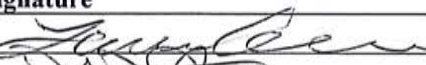


BE IT FURTHER RESOLVED: that the Town upholds and reasserts its belief in basic human rights and the dignity of every human being.

BE IT FURTHER RESOLVED: that the Town Clerk shall forward a copy of this resolution on behalf of the Town of Sudbury to the Massachusetts Congressional delegation, the Governor of Massachusetts, and to the President of the United States.

or act on anything relative thereto.

ATTENTION VOTERS: Please see petition text on front of this form.

SIGNATURES to be made in person with name substantially as registered

Signature	Printed Name	Address Where Registered
1 	Laurie Eliason	411 Concord Rd. Sudbury
2 	Douglas Eliason	411 Concord Rd. Sudbury
3 	Jennifer Roberts	14 Griffin Ln Sudbury
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11. Nothing shall prevent an officer or employee from lawfully discharging his or her duties in compliance with and in response to a court order from a court of competent jurisdiction, lawfully issued judicial warrant, judicial subpoena, or judicial detainer or acting when necessary to protect public or personal safety.

BE IT FURTHER RESOLVED: that Town Meeting encourages all Town Departments to enact similar policies in regards to the Treatment of Undocumented Immigrants.

BE IT FURTHER RESOLVED: that the Town rejects the word "illegal" and "alien" to describe any human being.

BE IT FURTHER RESOLVED: that the Town upholds and reasserts its belief in basic human rights and the dignity of every human being.

BE IT FURTHER RESOLVED: that the Town Clerk shall forward a copy of this resolution on behalf of the Town of Sudbury to the Massachusetts Congressional delegation, the Governor of Massachusetts, and to the President of the United States.

or act on anything relative thereto.

ATTENTION VOTERS: Please see petition text on front of this form.

SIGNATURES to be made in person with name substantially as registered

Signature	Printed Name	Address Where Registered
1 <i>Nancy V. Brumback</i>	Nancy V. Brumback	36 Canterbury Dr
2 <i>Ronald A. Brumback</i>	Ronald A. Brumback	36 Canterbury Dr.
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11. Nothing shall prevent an officer or employee from lawfully discharging his or her duties in compliance with and in response to a court order from a court of competent jurisdiction, lawfully issued judicial warrant, judicial subpoena, or judicial detainer or acting when necessary to protect public or personal safety.

BE IT FURTHER RESOLVED: that Town Meeting encourages all Town Departments to enact similar policies in regards to the Treatment of Undocumented Immigrants.

BE IT FURTHER RESOLVED: that the Town rejects the word "illegal" and "alien" to describe any human being.

BE IT FURTHER RESOLVED: that the Town upholds and reasserts its belief in basic human rights and the dignity of every human being.

BE IT FURTHER RESOLVED: that the Town Clerk shall forward a copy of this resolution on behalf of the Town of Sudbury to the Massachusetts Congressional delegation, the Governor of Massachusetts, and to the President of the United States.

or act on anything relative thereto.

ATTENTION VOTERS: Please see petition text on front of this form.

SIGNATURES to be made in person with name substantially as registered

Signature	Printed Name	Address Where Registered
1 <i>Thomas H. Yelton</i>	Thomas H Yelton	167 Pratts Mill Rd
2 <i>Leslie Lowe</i>	Leslie Lowe	167 Pratts Mill Rd.
3 <i>Carolyn Lee</i>	Carolyn Lee	28 Mossman Rd
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Attachment 6.f: Welcoming Town Resolution (2601 : Accept ATM articles)



TOWN OF SUDBURY

Office of Selectmen
www.sudbury.ma.us

Flynn Building
278 Old Sudbury Rd
Sudbury, MA 01776-1843
978-639-3381
Fax: 978-443-0756

Email: selectmen@sudbury.ma.us

Petition for Town Meeting Article Submission

Date Received: 1/31/2018

Petition Name: Resolution Supporting State and
Federal Legislation to Provide Greater
Transparency in Political Donations and
Limit the Influence of Money in Politics

Contact Name: John Keklak

Contact Address: 12 West St, Sudbury

Contact Phone: 778 443 6429

Contact Email: john@keklak.com

Pages Submitted: 1

Attachment 6.g: Political Donations Resolution (2601 : Accept ATM articles)

**Resolution Supporting State and Federal Legislation to Provide Greater Transparency
in Political Donations and Limit the Influence of Money in Politics**

WHEREAS, recent changes in funding and disclosure rules for national, state and local political elections have degraded the goals of the democratic process; and

WHEREAS, a recent decision by the Massachusetts Office of Campaign and Political Finance (OCPF) now allows an infusion of previously prohibited out-of- state money to influence local and state elections, new legislation is now required to prohibit such funding from circumventing Massachusetts state law; and

WHEREAS, in an effort to restore voter confidence in our democracy, a grassroots movement known as "Represent.Us" is working for legislative reforms to reduce the opportunity for corruption within the political system in our country by supporting a legislative reform bill known as the "American Anti-Corruption Act" (the Act); and

WHEREAS, the Act targets bribery by preventing lobbyists from donating to politicians and influencing policymaking; ends secret money by mandating full transparency; enables citizens to fund elections; closes the revolving door between Congress and lobbying firms; and enhances the power of the Federal Election Commission; and

WHEREAS, this national organization's local chapter, Represent.US Western Mass, sought and promoted an advisory referendum; specifically in the Hampshire/Franklin State Senate District (currently held by Stan Rosenberg) to build support for this initiative; and

WHEREAS, on November 4, 2014, the citizens of of the above mentioned district were given the opportunity to be heard on this topic through the above advisory referendum where the question received 84 percent aggregate support across the entire district, and

NOW, THEREFORE, BE IT RESOLVED by the citizens of the Town of Sudbury, Massachusetts that we support tough new anti-corruption laws to close loopholes in Massachusetts' campaign finance regulations that currently allows unregulated out-of- state money to infiltrate state and local elections; and we support the goals outlined in the American Anti-Corruption Act to remove the corrupting influence of money on our political system. The Act prohibits politicians from taking campaign money from special interest groups including private industries and unions; increases transparency for campaign funding; empowers all voters through a tax rebate voucher to contribute to the candidates they support; prohibits representatives and senior staff from all lobbying activity for five years once they leave office; and places limits on superPACs.

BE IT FURTHER RESOLVED that the citizens of the Town of Sudbury implore our elected representatives in Boston, State Senator Michael J. Barrett, State Senator James B. Eldridge and Rep. Carmine Gentile, and in Washington, Senator Edward Markey, Senator Elizabeth Warren and Rep. Katherine Clark (or their successors) to lead this effort to enact these initiatives in Massachusetts and in the U.S. Congress.

BE IT FURTHER RESOLVED that the Clerk of the Town of Sudbury is hereby directed to give notice to the above representatives by sending a certified copy of this resolution to each of them.

RECEIVED
BOARD OF SELECTMEN
SUDBURY, MA
2018 JAN 31 P 2:30

TOWN OF SUDBURY
FORM OF PETITION – TOWN MEETING ARTICLE

INSTRUCTIONS

Signature Requirements: Annual Town Meeting requires a minimum of 10 valid signatures. Once called, a Special Town Meeting requires a minimum of 100 valid signatures.

- NOTE: 1. Before obtaining signatures, submit a draft to the Selectmen’s office to verify legality of wording.
2. The signatures must be certified by the Board of Registrars after submission to the Board of Selectmen. Some signatures usually must be rejected. It is therefore recommended that you obtain more than the minimum stated above to be sure you will have the required number certified.

All signatures must appear on a page containing the article wording. A report, briefly explaining the intent and scope of the article, must be attached and will be printed in the Warrant.



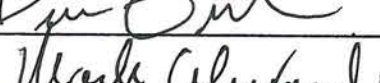
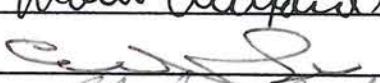
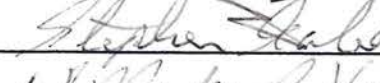
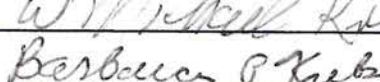
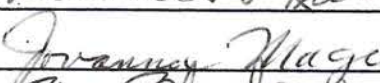
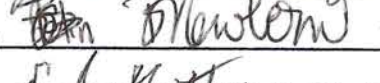
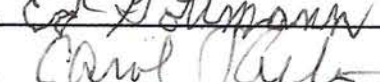
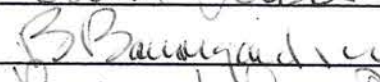
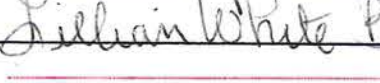
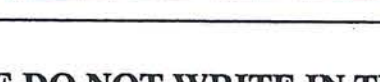

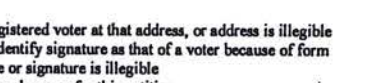
To: Board of Selectmen, Sudbury, MA 01776

We, the undersigned being registered voters of the Town of Sudbury, hereby petition that the following article be included in the Warrant for the May 7, 2018, Annual or Special Town Meeting.
(date)

To see if the Town will vote to

RECEIVED
BOARD OF SELECTMEN
SUDBURY, MA
2018 JAN 31 P 2:30

SIGNATURES to be made in person with name substantially as registered

Signature	Printed name	Address where registered
1. 	Claudia Buser	12 West St Sudbury MA
2. 	Ariel Keklak	12 West St, Sudbury MA
3. 	DENISE GRIFFIN	7 ALLENE AVE SUDBURY
4. 	Mark Alexander	93 Indian Ridge Rd. Sudbury
5. 	CAROLYN LEE	28 MOSSMAN
6. 	STEPHEN GABLER	28 MOSSMAN
7. 	Michael KREBS	223 Old Lancaster Rd Sudb
8. 	BARBARA KREBS	223 OLD LANCASTER RD SUDBURY
9. 	JOVANNA MAGER	150 North Rd. #59
10. 	Belinda Newbern	20 Kendall Rd. Sudbury.
11. 	ED GOTTMANN	271 Raymond Rd
12. 	Carol ATLAS	49 Raymond Rd
13. 	Barbara Baumgardner	515 North Rd
14. 	William White Balch	150 NORTH RD # 8
15. _____	_____	_____

PLEASE DO NOT WRITE IN THE SPACE BELOW THIS LINE

CERTIFICATION OF NAMES

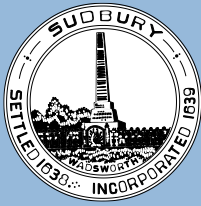
At least three Registrars names must be signed or stamped below

N – no such registered voter at that address, or address is illegible
S – unable to identify signature as that of a voter because of form of signature or signature is illegible
T – already signed papers for this petition
above signatures checked thus ✓ are the names of qualified voters from this town.

month and day

We Certify that _____
number of names certified - use numbers and words

Registrars of Voters of Sudbury



MISCELLANEOUS (UNTIMED)

7: Report of School options subcommittee

REQUESTOR SECTION

Date of request:

Requestor: Selectman Susan Iuliano

Formal Title: Discussion of report of the School District Administrative and Structural Options Subcommittee

Recommendations/Suggested Motion/Vote: Discussion of report of the School District Administrative and Structural Options Subcommittee

Background Information:
attached memo

Financial impact expected:

Approximate agenda time requested: 10 minutes

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Barbara Saint Andre	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

02/06/2018 7:00 PM

To: Sudbury Board of Selectmen; Melissa Rodrigues, Town Manager
 From: Dan Carty and Susan Iuliano, School District Administrative and Structural
 Options Subcommittee
 Re: Proposal for discussion at February 6, 2018, BOS meeting
 Date: January 29, 2018

The SDASO Subcommittee has gathered information and input concerning the best approaches to explore further coordination among our school districts (see attached timeline). At this juncture, we recommend reaching out more formally to the Lincoln Board of Selectmen so that the two towns can jointly consider how to structure an ongoing conversation in a collaborative and productive manner.

We recommend that the Sudbury BOS approve a written statement to more clearly articulate our goals and interests (see draft below). We further suggest that our Subcommittee next respectfully request that we be allowed to attend a Lincoln BOS meeting and a LSRHS School Committee meeting, as schedules allow, to discuss our proposal. Alternatively, we could plan a joint meeting with both boards of Selectmen.

The Subcommittee has not developed a distinct path or process for a joint committee (or other conduit for a conversation) that would involve both towns and all three school districts. Instead, we advise that the two boards of Selectmen work together to outline the next steps.

We believe that this is a very important conversation, one that could benefit all our residents. Thus, we seek a practical and constructive way to advance this exploration.

***** DRAFT *****

To: Lincoln Board of Selectmen
 From: Sudbury Board of Selectmen
 CC: Lincoln-Sudbury RHS School Committee, Lincoln Public Schools School Committee, and
 Sudbury Public Schools School Committee

The Sudbury Board of Selectmen seeks to work with the Lincoln Board of Selectmen and our three collective school districts to advance our joint interest in improving the education of all our students. The Sudbury BOS proposes the establishment of a joint committee to explore options that may include better supports for coordination across the districts, shared services or positions across the districts, changes in district administrative structures, or changes in district governance structures.

The Sudbury BOS requests the opportunity to discuss the potential for creating a committee that would conduct a collaborative, informed, and long-term exploration of these issues. Together, our boards may consider a joint mission, committee composition, and plans for the gathering of data and public input.

We in Sudbury are very proud of our schools, which provide an excellent education to our students. Nonetheless, especially in a challenging time for all municipalities, we feel compelled to find creative and forward-thinking ways to improve these services.

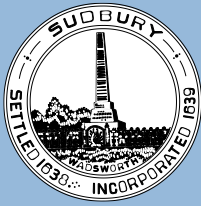
We see potential opportunities to move our districts forward as follows:

- *To enhance the education of all students through better alignment of curriculum and instructional practices.* Examples might include increased harmonization of curriculum mapping and shared professional development to strengthen the preK-12 educational experience.
- *To improve student services (including special education) programming, planning, and budgeting.* Our most vulnerable students would benefit from more intensive long-term planning and smoother transitions.
- *To better facilitate successful student transitions for all students across all grade levels.*
- *To increase the efficiency and effectiveness of school district operations supporting students, families, and staff.* Examples might include stronger coordination of school calendars, schedules, and communications or increased sharing of purchases or services.
- *To provide a better informed and more cohesive budget process rooted in recommendations by educators and school committee members.*
- *To assist both towns in planning and prioritizing capital projects for the school districts.*
- *To enhance the recruitment and retention of robust district leadership.*

Accordingly, we ask that you arrange for a convenient time for Sudbury Selectmen Dan Carty and Susan Iuliano to attend one of your meetings to address this proposal.

School District Administrative and Structural Options Subcommittee Timeline
January 29, 2018

- October 24, 2017 – Subcommittee formed at Board of Selectmen meeting
- November 16, 2017 – Brainstorming session on how best for Subcommittee to proceed; members to develop lists of goals and desires then will combine lists. Subcommittee to meet with SPS and LS School Committee Chairs for input then will meet with Jennifer Glass (Lincoln BOS)
- November 29, 2017 – Subcommittee discussed goals, concerns, and next steps
- December 14, 2017 – Subcommittee met with Jennifer Glass, Lincoln BOS (taken out of order w.r.t. SPS and LS SC Chairs due to scheduling conflicts). Discussed history, high level opportunities, concerns, next steps.
- January 16, 2018 – Subcommittee met with Christine Hogan (SPS Committee Chair) and Kevin Matthews (LS Committee Chair). Discussed history, high level opportunities, concerns, next steps.
- January 24, 2018 – Subcommittee considered discussions and feedback from Glass, Hogan, and Matthews as well as the public and formulated proposal to bring to Sudbury BOS
- January 29, 2018 – Finalized Sudbury BOS proposal



SUDBURY BOARD OF SELECTMEN

Tuesday, February 6, 2018

MISCELLANEOUS (UNTIMED)**8: Sudbury Housing Trust appointment**REQUESTOR SECTION

Date of request:

Requested by: Patty Golden

Formal Title: Vote whether to reappoint Lydia Pastuszek and Andrew Kaye to the Sudbury Housing Trust effective 5/1/17 for a term to expire 4/30/19.

Recommendations/Suggested Motion/Vote: Vote whether to reappoint Lydia Pastuszek and Andrew Kaye to the Sudbury Housing Trust effective 5/1/17 for a term to expire 4/30/19.

Background Information:

See attached memo from the Housing Trust.

The Board of Selectmen voted to approve an amendment to the Trust on June 27, 2017. This amendment removed the term limits for Trustees, allowing Lydia and Andrew to continue to serve. The amendment was voted, but the specific reappointment was inadvertently omitted from the vote.

Financial impact expected:

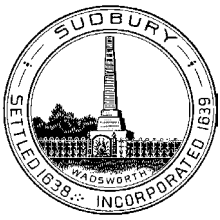
Approximate agenda time requested:

Representative(s) expected to attend meeting: Susan Iuliano, Sudbury Housing Trust

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Barbara Saint Andre	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

02/06/2018 7:00 PM



Town of Sudbury

Sudbury Housing Trust

Flynn Building
278 Old Sudbury Rd
Sudbury, MA 01776
978-639-3387

<http://www.sudbury.ma.us>
Housing@sudbury.ma.us

8.a

Date: January 8, 2018
To: Board of Selectmen
From: Elizabeth Rust, Staff Sudbury Housing Trust

To the Sudbury Board of Selectmen,

Lydia Pastuszek and Andrew Kaye request reappointment to the Sudbury Housing Trust for two-year terms effective retroactively from 5/1/17 through 4/30/19.

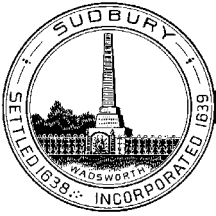
The Sudbury Board of Selectmen voted to approve an amendment to the Trust on June 27, 2017. This amendment removed the term limits for Trustees, allowing Lydia and Andrew to continue to serve. The amendment was voted, but the specific reappointment was inadvertently omitted from the vote. The Town Clerk has brought this to the attention of the Trust.

A copy of the Trustee roster is attached, with the reappointment assumed.

Sincerely,

Elizabeth Rust on behalf of the Sudbury Housing Trust

Attachment 8.a: BoS memo - Sudbury Housing Trust reappointments Pastuszek Kaye (2645 : Sudbury Housing Trust appointment)



Town of Sudbury

Sudbury Housing Trust

Flynn Building
278 Old Sudbury Rd
Sudbury, MA 01776
978-639-3387

8.a

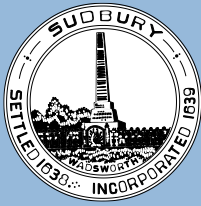
Sudbury Housing Trust

There shall be a Board of Trustees consisting of not less than five and not more than nine Trustees appointed by the Board of Selectmen. At least one of the Trustees shall be a member of the Board of Selectmen, who shall serve as the representative of the Board of Selectmen.

The Trustees shall be appointed for a two (2) year term, such term to end on April 30 of the expiration year or until such time as a successor is appointed, should said appointment be delayed. Two of the initial Trustee appointments shall be for a term of one (1) year, and may be re-appointed at the discretion of the Board of Selectmen.

	Trustee		Term1	Term2	Term3	Term4	Term5	Term6
1	Andrew Kaye	Original Trustee	1 Year – 5/1/08 to 4/30/09	5/1/09 - 4/30/11	5/1/11 – 4/30/13	5/1/13 – 4/30/15	5/1/15 – 4/30/17	5/1/17 – 4/30/19
2	Lydia Pastuszek	Original Trustee	2 Year – 2/27/07 to 4/30/09	5/1/09 - 4/30/11	5/1/11 – 4/30/13	5/1/13 – 4/30/15	5/1/15 – 4/30/17	5/1/17 – 4/30/19
3	Robert Morrison	Replaces Guillemette	2 Year – 5/1/12 to 4/30/14	5/1/14 to 4/30/16	5/1/16 to 4/30/18			
4	Kelley Cronin	Replaces Hewitt	2 Year – 5/1/14 to 4/30/16	5/1/16 to 4/30/18				
5	Susan Iuliano	Replaces O'Brien	2 Year – 5/1/15 – 4/30/17	5/1/17 – 4/30/19				
6	Cynthia Howe	Replaces Buoniconti	2 Year – 5/1/16 to 4/30/18					
7	VACANT	Replace Zachariah						
8	VACANT	Replace Wang						
9	VACANT	Replace Lepak						

Attachment8.a: BoS memo - Sudbury Housing Trust reappointments Pastuszek Kaye (2645 : Sudbury



MISCELLANEOUS (UNTIMED)

9: Winter 2018 Selectmen Newsletter Topic Discussion

REQUESTOR SECTION

Date of request: January 25, 2018

Requested by: Leila S. Frank

Formal Title: Discuss topics to be assigned for the Winter 2018 Board of Selectmen Newsletter.

Recommendations/Suggested Motion/Vote:

Background Information:

List of previous topics attached

Financial impact expected:N/A

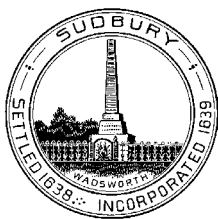
Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Barbara Saint Andre	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

02/06/2018 7:00 PM



Town of Sudbury

Office of Selectmen

Flynn Building
278 Old Sudbury Rd
Sudbury, MA 01776-1843
978-639-3381
Fax: 978-443-0756

selectmensoffice@sudbury.ma.us

January 25, 2018

To: Board of Selectmen

From: Leila Frank

Re: **Winter 2018 Board of Selectmen Newsletter Topics**

To facilitate discussion of topics for the upcoming Board of Selectmen Newsletter, below is a list of topics from previous editions.

OCTOBER 2017

Marijuana Law
Fairbank Community Center Update
Transportation Needs
Eversource Update
Understanding CPA Finances
Fire Station #2

JULY 2017

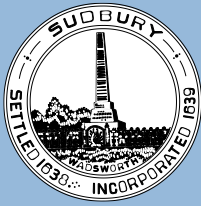
2017 Annual Town Meeting
MS4 Permit
Meadow Walk
Eversource
Community Compact

FEBURARY 2017

Sudbury Station
Fairbank Community Center
Bruce Freeman Rail Trail
Town Hall

WINTER 2018 NEWSLETTER DEADLINES

BOS Meeting to Discuss Topic Assignments- Tuesday, Feb 6
Materials Due (to MMR/LSF)- Monday, Feb 19
BOS Meeting Approval- Tuesday, Feb 27



MISCELLANEOUS (UNTIMED)

10: Citizen's Comments (cont)

REQUESTOR SECTION

Date of request:

Requested by: Patty Golden

Formal Title: Citizen's Comments (cont)

Recommendations/Suggested Motion/Vote:

Background Information:

Financial impact expected:

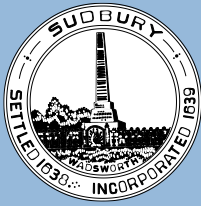
Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Barbara Saint Andre	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

02/06/2018 7:00 PM



SUDBURY BOARD OF SELECTMEN

Tuesday, February 6, 2018

MISCELLANEOUS (UNTIMED)**11: Discuss Upcoming Agenda Items**REQUESTOR SECTION

Date of request:

Requested by: Patty Golden

Formal Title: Discuss Upcoming Agenda Items

Recommendations/Suggested Motion/Vote: Discuss Upcoming Agenda items

Background Information:

Financial impact expected:

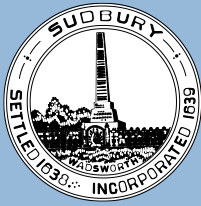
Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Barbara Saint Andre	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

02/06/2018 7:00 PM



CONSENT CALENDAR ITEM

12: Approve minutes of 1/9/18

REQUESTOR SECTION

Date of request:

Requested by: Patty Golden

Formal Title: Approve regular session minutes of 1/9/18.

Recommendations/Suggested Motion/Vote: Approve regular session minutes of 1/9/18.

Background Information:
attached draft

Financial impact expected:

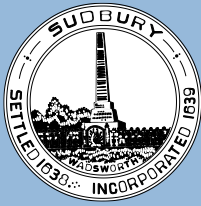
Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Barbara Saint Andre	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

02/06/2018 7:00 PM



SUDBURY BOARD OF SELECTMEN

Tuesday, February 6, 2018

CONSENT CALENDAR ITEM**13: Submission to Annual Town Report**REQUESTOR SECTION

Date of request:

Requested by: Patty Golden

Formal Title: Vote to approve the Selectmen's submission to the 2017 Annual Town Report.

Recommendations/Suggested Motion/Vote: Vote to approve the Selectmen's submission to the 2017 Annual Town Report.

Background Information:
attached draft

Financial impact expected:n/a

Approximate agenda time requested:

Representative(s) expected to attend meeting:

Review:

Patty Golden	Pending
Melissa Murphy-Rodrigues	Pending
Barbara Saint Andre	Pending
Robert C. Haarde	Pending
Board of Selectmen	Pending

02/06/2018 7:00 PM

Board of Selectmen and Town Manager

The Board of Selectmen, in conjunction with the Town Manager, hereby submits the reports of the elected and appointed Town officials, boards, and committees for the year 2017, giving a summary of their activities and financial transactions in accordance with Article III, Section 2 of the Town Bylaws. Our report follows.

The composition of Board changed after Chuck Woodard resigned due to a change in residency. In March, Pat Brown was re-elected to the Board. In May, Daniel Carty was elected to fill the vacancy left by Woodard. The Board reorganized following the 2017 Annual Town Meeting. Robert Haarde was elected to serve as Chairman and Leonard Simon to serve as Vice- Chairman.

In January 2017, Lt. Governor Karen Polito visited Sudbury for a formal signing of a Community Compact Program with the Town. On January 23, 2015, Governor Baker signed his first executive order creating the Community Compact Cabinet and prioritizing the Administration's partnership with municipalities. Lt. Governor Polito chairs the Community Compact Cabinet and oversees the effort to provide more resources to local governments, through grants and technical assistance. By entering into a Compact Community Agreement, Sudbury agrees to implement at least one best practice selected from numerous available subjects. These best practices show a commitment to the Commonwealth and to residents. Sudbury chose three best practice initiatives. Sudbury chose three best practices that will allow them to focus on three important initiatives, cyber security, storm water management and production of an updated master plan. Recognition as a compact community also opens up other grant opportunities each year.

In January, the Town also held the annual Town Forum. The forum was held for the first time on a Saturday to allow more people to take part in the event. The topic of the forum was town budgeting and residents received a presentation on how the Town budgets and a tutorial on how to use the Town's Cleargov website.

In 2017, the Board of Selectmen started their quarterly newsletter, with each Selectmen drafting an article on a different topic.

Throughout 2017, the Town continued to oppose the Sudbury Station project, a large residential housing unit planned for historic town center. The Town has hired both Special Counsel and Town Counsel to follow multiple legal options to oppose the project.

Throughout 2017, the Town continued to oppose the Sudbury to Hudson Eversource project, which proposes to run a 115v power line along the MBTA right of way in Sudbury. The Town met with residents often about this project, and hired Town Counsel and Special Town Counsel to oppose the project at the Energy Facility Siting Board and in Land Court. The Town filed a lawsuit against the MBTA arguing that the lease of the land to Eversource required legislative approval due to the change in use. Town staff testified at the Energy Facilities Siting Board and stated that the project was detrimental to the Town in so many ways.

In May, the Town voted for an override of \$1,077,270 at a Town election. The override includes funds for both the Sudbury Public Schools and Sudbury Public Safety departments. The Schools used the funding to maintain some services and the Town used the funding for the hiring of four new firefighters and one new police officers. The increased staffing allowed the Town to run a second ambulance during most hours of the day. This has allowed the Town to improve services and reduce the need for mutual aid.

In December, the Town voted against the bonding to construct a new Fire Station #2 on Route 20. As part of the Meadow Walk Development and the development agreement, the Town negotiated to receive a portion of land on which to expand its current fire station. The Town also negotiated for the developer to accept the town's storm water and waste water from the station. The fire station needs to be expanded to allow for a second ambulance to be run from the station and to allow for adequate space for staffing.

In April, the Board of Selectmen met with the clergy to discuss important issues in town. They also entered into a license for the use of the Frost Farm House. The Board of Selectmen completed their first formal evaluation of the Town Manager.

At May Town Meeting, along with the usual town business, the Town voted to ban the sale of bottled water and to ban the use of plastic shopping bags in Town. The Town also voted for a temporary moratorium on the sale of recreational marijuana.

In June, the Town held a dangerous dog hearing for Boomer the dog. The Town held interviews for Town Counsel and voted to continue to use KP Law.

In August, the Town signed a lease for the Loring Parsonage with the Sudbury Historical Society. The SHS will build and run a Sudbury Historical Museum in the historical building.

At October Town Meeting, the Town considered several articles including the new fire station, the bottle ban and the playground modernization project.

In October, the Town Manager presented the state of the town's finances as well as a three year forecast. She announced to the Town that the Town had once again been awarded a AAA rating from its bond agency due to its good financial condition and strong financial management.

In December, the Board of Selectmen held their annual goal setting meeting, this year with the assistance of a facilitator from the Collins Center at the University of Massachusetts. They named six top goals, including sewer, capital planning, the study of school structure options, the Fairbanks Center, SPS administrative space, and the reuse of Melone.

Throughout the year, the Bruce Freeman Rail Trail continued to progress. Despite some delays in late 2015 and early 2016, preliminary 25% design was submitted. The project was placed on the MPO Tip for 2022 funding. The Town Manager also continued discussions with the Town of Framingham and the Trust for Public Land regarding purchase of the CSX corridor, which will enable the Bruce Freeman Rail Trail to continue south into Framingham.

The Town continued to advocate for the state to make public safety enhancements at the intersection of Landham Road and Route 20. After a letter writing campaign and working with local legislators, the design is nearing completion and the Town will continue to advocate until the intersection is completed.

Throughout the year, the Town continued to discuss the future use of the Melone gravel pit. The Board hosted a Charette led by Town Planner Meagen Donoghue and elicited town input through the use of a survey. The board also contracted with an environmental engineer to do additional environmental testing on the site.

The Fairbank Community Center Study Task Force (FCCTF) continued its work and hired a consultant to do a design of the new center as well as estimate operating costs. That report is due in early 2017.

In 2016, the Town received a financial reporting award from the GFOA for its Comprehensive Annual Finance Report.

We close by thanking all Town employees for their work providing services to Town residents, and all residents who have offered to serve on the Town's many boards and committees. We are proud to serve this wonderful Town.

Respectfully submitted,
BOARD OF SELECTMEN

Robert Haarde, Chair

Leonard Simon, Vice Chair

Patricia Brown

Daniel Carty

Susan Iuliano

TOWN MANAGER

Melissa Murphy-Rodrigues, Esquire