



**PHASE II SITE INVESTIGATION
OF**

**CABOT SAWMILL
153 SAWMILL ROAD
CABOT, VT**

ATC PROJECT NO. 280EM00128

JUNE 1, 2018

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Prepared for: Two Rivers-Ottawaquechee
Regional Commission

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SIGNATURE OF REPORT AUTHORS

This report has been prepared by the employees of ATC Group Services, LLC whose signatures appear below. Requests for information on the contents of this report should be directed to these individuals.

I certify under penalty of perjury that I am an environmental professional and that all content contained within this deliverable is to the best of my knowledge true and correct.

Prepared by:



Johanna Palmer
Project Manager



Joseph J. Hayes, C.P.G., P.G.
Branch Manager

EXECUTIVE SUMMARY

On behalf of Mr. Peter Gregory of Two Rivers – Ottauquechee Regional Commission (TRORC), ATC Group Services, LLC (ATC) presents this Phase II Site Investigation (SI) report to document a subsurface investigation at the Cabot Sawmill property located at 153 Sawmill Road in Cabot, Vermont. TRORC is planning on completing demolition of the dilapidated former sawmill and restoring the property as a recreational area. ATC prepared a separate report documenting the testing of building materials, which was submitted under separate cover to TRORC.

A Phase I Environmental Site Assessment (ESA) was completed in December 2017 by ATC. The Phase I ESA concluded that several Recognized Environmental Conditions (RECs), Business Environmental Risks (BERs) and de minimis conditions existed at the site and would require further investigation. The RECs included possible volatile organic compound (VOC), semi-volatile organic compound (SVOC), metals and polychlorinated biphenyls (PCB) contamination from a 1925 fire, and the former long-term site use as a woolen mill, sawmill, grain mill, tannery, and blacksmith that may have released the above contaminants during operations. Mr. Michael Storace of TRORC requested a Phase II SI in an email dated January 25, 2018, to address the RECs, BERs and de minimis conditions and to determine the possible on-site presence of soil and groundwater contaminants from on-site sources. To address the RECs, ATC proposed the installation of hand borings, soil borings and groundwater monitoring wells in a work plan dated February 16, 2018. The work plan was approved by Mr. Gregory on behalf of TRORC, in an email dated February 21, 2018.

The ATC SI concludes the following based on the Phase II SI results:

- No VOC, PP13 metals or PCBs were detected above laboratory method detection limits in the groundwater samples collected from the groundwater monitoring wells ATC-2, ATC-3 and ATC-4;
- No PCBs were detected above laboratory method detection limits in the soil samples collected from SS-9, SS-10, SS-11 or SS-12. No additional locations were sampled for PCBs;
- No Vermont Soil Screening Levels (SLs) or EPA Regional Screening Levels (RSLs) for VOCs and PP13 metals were exceeded in the soil samples collected from the SS-1 to SS-12 locations;
- The Vermont DEC's Rural Background Soil Concentration (BSC) for lead was exceeded (PP13 metals) in the soil samples collected from SS-2, SS-6, SS-11 and the duplicate sample;
- The EPA residential RSLs for several SVOCs were exceeded in the soil samples collected from SS-1, SS-4, SS-5, SS-10 and SS-11;
- The EPA industrial RSL for benzaldehyde was exceeded in the soil sample collected from SS-2;
- Benzo(a)pyrene exceeded the residential SL in the SS-5, SS-10 and SS-11 locations, therefore, the TEQ formula was applied to select PAHs in accordance with EPA protocols;
- After applying the TEQ formula to the above three locations, it was determined that they were above the rural PAH BSC TEQ (which is the site setting); and,
- Groundwater flows to the south-southeast towards the Winooski River with depth-to-water (DTW) ranging from four to 5.70 feet below ground surface (fbgs).

Based on these conclusions and the planned reuse of the property as a public recreational area, ATC recommends the following:

1. Submit this report to the VT DEC for review and comment, as EPA RSLs, VT SLs and BSCs were exceeded in soil samples collected from the property.
2. Perform an Additional Site Investigation in accordance with the Irule because of the exceedances of residential SVOC RSLs in numerous locations, the exceedance of an industrial RSL in SS-2, the exceedance of the rural PAH BSC in three locations, and the exceedance of the rural BSC for lead.
3. Monitoring wells should be properly decommissioned in accordance with VT Water Supply Rule.
4. Upon completing the Additional Site Investigation, a Corrective Action Plan (CAP) will be required in accordance with the Irule to address the soil contaminants. At this time it appears as though this site should be exempt from conducting an Evaluation of Corrective Action Alternatives (ECCA) because exemption criteria per Irule have been met, unless Additional Site Investigation findings determine otherwise.

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1.0 INTRODUCTION

ATC Group Services, LLC (ATC), on behalf of Mr. Peter Gregory of Two Rivers – Ottauquechee Regional Commission (TRORC), completed a Phase II Site Investigation (SI) at the Cabot Sawmill property located at 153 Sawmill Road in Cabot, VT (**Figure 1**). The Phase II SI was recommended in a December 2017 Phase I Environmental Site Investigation (ESA). The SI consisted of the installation of soil borings and groundwater monitoring wells, and the sampling and analyses of soil and groundwater. The work was completed in accordance with ATC's work plan dated February 16, 2018, which was approved by TRORC in an email dated February 21, 2018, and also with the Vermont Investigation and Remediation of Contaminated Properties Rule (Irule, July 2017).

1.1 SITE INFORMATION

Property Owner	Owner Mailing Address	Owner Email	Owner Phone #
Ed Larson, Headwater Lumber Company	Unknown	Unknown	(802) 224-9177

The subject property is located at 153 Sawmill Road in Cabot, Vermont, (**Figure 1**) with site access from the roadway. The sites latitude and longitude location is 44° 23' 27" N, 72° 19' 52" W. The property generally slopes from northwest to southeast toward the Winooski River, the dominant area feature, and the roadway. The property currently houses a dilapidated former sawmill building running north to south on the eastern side of the property. There is also a Cabot Wastewater treatment pump station on the southern center portion of the property. The property also contains a dam that was formerly a part of the mills operations. It is ATC's understanding that the dam is to be removed as part of the site renovations. The ground surface of the parcel is grass with some dirt parking associated with the pump station. The property's previous usage was as a woolen mill, grain mill, sawmill, tannery, and blacksmith, with the most recent use as a sawmill until 2001 when the building collapsed. The Site is located within a residential and light commercial area of Cabot, Vermont. Residences are located to the west of the property, with Sawmill Road bounding the property to the south. The Winooski River flows north to south through the center of the property. No high-risk property uses were identified on the adjoining properties during the May 2017 Phase I ESA.

2.0 SITE HISTORY & CONCEPTUAL SITE MODEL

The Phase I ESA was completed for the subject property by ATC in December 2017, and concluded that several Recognized Environmental Conditions (RECs), Business Environmental Risks (BERs), and de minimis conditions existed. The RECs included: the historical use of the property as a woolen mill, grain mill, blacksmith shop, tannery, and sawmill for over 200 years on the west side of the river, with some mill or storage operations on the east side of the river; a historical fire that destroyed the buildings and introduced semi-volatile organic compounds (SVOCs), metals and possibly polychlorinated biphenols (PCBs) to the soil and groundwater; and, the site contained a pulley system historically, that likely used hydraulic fluid and lubricants that could potentially have been PCB containing. ATC also observed several unidentified substance containers. The BERs and de minimis conditions included: the Cabot Wastewater Treatment Facility is located east of the subject property which hosts the Cabot Recycling Center, which is listed as a RCRA-Conditionally Exempt Small Quantities Generator (CESQG) and is listed on the federal generator list; Derek's Country Store is located approximately 500 feet north of the subject property and is listed on the Vermont Department of Environmental Conservation (VT DEC) Hazardous Sites database; and, ATC observed several discarded motor parts that contained small quantities of oil.

The property was first developed in the late 1700's as a woolen mill with some references to tanning operations. The dam and sawmill were constructed in 1825 and the mill burned down in 1925. The mill was rebuilt and used as a saw- and grain mill and then a sawmill again. The sawmill building was rendered unusable due to blasting associated with the installation of the sewer lines to nearby buildings by the Town of Cabot. The building has been vacant and unused since its closure in 2001.

The possible contaminants associated with a fire and the use of fuels, lubricants and oils during woolen, grain and sawmill operation include poly-aromatic hydrocarbons (PAHs) associated with the heavy oils and burnt wood, volatile organic compounds (VOCs) associated with fuels and lubricants, metals associated with cooling oils lead paint and cuttings, and PCBs associated with historic hydraulic and electrical equipment. A lead and asbestos inspection and sampling was completed by ATC on February 28, 2018, and a copy of the report was presented to TRORC on March 23, 2018.

This Phase II SI was completed to address the RECs outlined in the Phase I ESA completed in December 2017 by ATC.

The dominant bedrock geology in the immediate vicinity is listed on the online ANR Natural Resources Map as schist consisting of light- to medium-gray, fine-grained micaceous quartzite to dark-gray muscovite-quartz-biotite carbonaceous phyllite or schist in beds 10 to 25 cm thick, and dark-gray micaceous phyllite or schist containing beds of micaceous quartzite, locally thickly bedded. The primary surficial geology is listed on the online ANR Natural Resources Map as alluvium, postglacial fluvial deposits of clay, silt, sand or gravel. Groundwater flow direction appears to be toward the south-southeast, toward the adjacent Winooski River, which is the dominant area and site feature.

Nearby sensitive receptors include residential properties to the west and north and the Winooski River to the immediate east of the subject property. The primary exposure pathway is likely from dermal contact or ingestion. All of the residences in the area utilize private supply wells for drinking water and the Town of Cabot Wastewater Treatment Plant for sewer. At this time with available data, no mobilized contaminants have been identified and the threat to the nearby sensitive receptors is unknown.

2.1 WORK PLAN DEVIATIONS & DATA GAPS

Some work plan deviations were experienced during completion of the SI. The anticipated depth of the four soil boring/monitoring wells was 15 feet below ground surface (fbgs); however, due to repeated refusal, only three of the wells were installed and the depths ranged from 7 to 10 fbgs.

The work plan deviations are not to be considered data gaps as the refusal was likely due to shallow bedrock or boulders, and the available soil and groundwater sampling results are considered to be representative of current site conditions.

3.0 INVESTIGATIVE PROCEDURES AND RESULTS

In March 2018, ATC completed a Phase II SI in accordance with the TRORC approved work plan. The following sections outline investigative procedures and results.

3.1 UTILITY LOCATION

On March 2, 2018, ATC marked the boring locations and the drilling perimeter and then contacted Digsafe to mark underground utilities. ATC checked the Digsafe markings prior to drilling commencement to ensure that the drilling program could proceed as planned. No marked utilities were found to be in the vicinity of the planned soil borings. ATC met with a representative from the Cabot Wastewater Treatment Facility to identify the location of the sewer force main on February 28, 2018, prior to drilling.

3.2 SOIL BORINGS & MONITORING WELL INSTALLATION

On February 28, 2018, ATC completed the installation of 12 hand borings as SS-1 to SS-12 (**Figure 2**). The borings were completed with a hand auger to one fbg and soil samples were collected from the recovered soils. The hand auger was decontaminated between locations and one equipment blank was collected to ensure QA/QC compliance. SS-1 to SS-4 were completed from north to south on the eastern side of the Winooski River in the vicinity of historic building foundations, and SS-5 to SS-12 were completed on the western side of the river, in the vicinity of the current buildings. SS-5 was completed at the northern end of the property to determine if any possible influence was present from the off-site Derek's Country Store site. SS-6 was installed just north of the dilapidated sawmill, SS-7 was installed northwest of the wastewater pump station at the southern edge of the property, SS-8 was installed south of the building but just north of Sawmill Road, SS-9, SS-10 and SS-11 were installed to the west of the building and SS-12 was installed just south of the building. Soils on the eastern side of the river were generally moist dark brown sand with organics and some silt. Soils on the west side of the river were generally moist dark fine to coarse sand with some rounded gravel and silt. Soil samples were collected from the well-mixed recovered soils and placed into the appropriate sample containers.

On February 28, 2018, ATC provided oversight during the direct-push GeoProbe® installation of four soil borings, with three borings completed as monitoring wells ATC-2, ATC-3 and ATC-4 (**Figure 2**). The ATC-1 boring location hit shallow refusal and no soil boring was able to be completed. ATC-2 was installed west of the north end of the building, ATC-3 was installed near the south end of the building and ATC-4 was installed south of the building near the southern and likely down-gradient property line. No soil samples were collected from the monitoring well soil borings below the SS boring depth of one fbg. The drill auger was decontaminated between boring locations. The soil boring program was performed by Cascade Drilling of Montpelier, Vermont utilizing a GeoProbe® vibratory drill. All borings were pre-cleared to 5 fbg utilizing a hand auger to ensure no unmarked utilities were present. Refer to **Appendix A** for boring logs.

During hand auger and GeoProbe® soil boring installation, ATC field-screened soils for visual and olfactory evidence of contamination and a photo-ionization detector (PID) was utilized to measure total organic vapors (TOVs). PID readings in the shallow hand borings generally ranged between 0.0 and 1.2 parts-per-million volume (ppmv); however, PID readings in soil boring SS-9 had readings up to 21.3 ppmv, which is above the VT DEC Action Level of 10 and 20 ppmv for fuel oil and gasoline contaminated soils, respectively. VOC soil sampling results did not indicate the presence of contaminants above applicable standards at the SS-9 location.

Monitoring wells ATC-2, ATC-3 and ATC-4 were installed to 10, 7 and 8.5 fbgs, respectively, and completed with five feet of screen with riser to completion at ground surface. After the completion of the wells, each one was purged to ensure representative groundwater was present in the well for the planned sampling. During purging it was determined that all of the wells have a low recharge rate.

The monitoring wells consisting of 1.5-inch polyvinyl chloride (PVC) well materials were installed in each boring with 0.010-inch factory slotted screen sections. The screen section was surrounded by a sandpack and two feet of hydrated granular bentonite seal was placed atop the sandpack, followed by native material. The wells were completed flush to grade with protective roadboxes, developed until clear, and surveyed relative to an existing site benchmark by Lakeside Environmental Group of Burlington, Vermont. Refer to **Appendix A** for well construction details. Photographs of well/soil boring installation and locations were taken during completion of the work and are provided along with field notes in **Appendix B**.

The latitude and longitude of the soil borings and monitoring wells (MWs) are provided below.

Well/SB I.D.	Latitude	Longitude
ATC-2	44.3908625	-72.331182
ATC-3	44.3907081	-72.3311514
ATC-4 / SS-8	44.3905763	-72.3310289
SS-1	44.3910348	-72.3307185
SS-2	44.3909476	-72.3306949
SS-3	44.3908182	-72.3306335
SS-4	44.3906256	-72.3305603
SS-5	44.3911106	-72.3312392
SS-6	44.3909664	-72.3311813
SS-7	44.390576	-72.3312378
SS-9	44.3908652	-72.3311855
SS-10	44.3907904	-72.3311976
SS-11	44.3907051	-72.3311254
SS-12	44.390568	-72.3309298

3.3 SOIL SAMPLING & ANALYSIS

On February 28, 2018, ATC completed soil sampling of twelve shallow hand borings (ground surface to one fbg), SS-1 to SS-12, located on the east and west side of the Winooski River, which bisects the property. Composite soil samples were collected from the shallow soil boring soils, after they were thoroughly mixed, and placed into the appropriate containers. The samples were packed on ice and transported under chain-of-custody protocols to SGS Accutest laboratory of Dayton, New Jersey for laboratory analysis. The soil samples were analyzed for the possible presence of SVOCs, VOCs, PP13 metals and PCBs by EPA Methods 8270, 8260, 6010C and 8082, respectively. The SS-1 to SS-4 soil samples were analyzed for SVOCs and PP13 metals, the SS-5 to SS-8 samples were analyzed for SVOCs, VOCs and PP13 metals, and the SS-9 to SS-12 samples were analyzed for SVOCs, VOCs, PP13 metals and PCBs.

The soil analytical laboratory reports are included in **Appendix C**. Refer to **Tables 1, 2, 3** and **4** for a summary of soil analytical results, which were compared to Vermont Soil Screening Levels (VT SLs) for residential settings, background soil concentrations (BSC) for rural soils, and US EPA Regional Screening Levels (RSLs) for residential and industrial soils.

No VT SLs or EPA RSLs for VOCs were exceeded in the soil samples collected from the SS-5 to SS-12 soil borings, which were the only borings sampled for VOCs (**Table 1**).

No VT SLs, BSCs or EPA RSLs for PP13 metals (antimony, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium and zinc) were exceeded in the SS-1 to SS-12 soil samples, with the exception of lead, which was detected above the rural BSC of 41 mg/Kg in the SS-2, SS-6 and SS-11 soil samples (**Table 2**). The VT DEC does not regulate lead BSC exceedances if they are below the EPA RSLs. These lead detections are well below the EPA RSLs.

The SVOCs, benzaldehyde, benzo(a)anthracene, benzo(b)fluoranthene, dibenzo(a,h)anthracene and indeno(1,23,-cd)pyrene, generally members of the polynuclear aromatic hydrocarbon (PAH) subset, were detected above their corresponding residential EPA RSLs, with benzaldehyde exceeding the industrial RSL, in some combination in the SS-1, SS-2, SS-4, SS-5, SS-10 and SS-11 hand borings (**Table 3**). Additionally, benzo(a)pyrene exceeds the residential SL in the SS-5, SS-10 and SS-11 locations, therefore the Toxic Equivalency Quotient (TEQ) formula was applied to select PAHs in accordance with state protocol. The IRule states that “The VT DEC Background Soil Concentration values are to be used when the background value for benzo(a)pyrene (TEQ) or arsenic is greater than the VSL”. The IRule also states that “for industrial soil scenarios, the industrial EPA RSL must be used”. Currently the site is considered to be industrial based on previous site use; however, as the property could be developed into a public park, the residential EPA RSLs and VT DEC SLs should be used for contaminant comparison. Additionally, the setting is rural in nature, therefore, the rural BSC should be used for PAH and TEQ comparisons. Several TEQ formula results exceeded the rural BSC of 0.026 mg/Kg. The PAH TEQ calculations are included as **Table 4**. No other RSL, SLs or BSCs exceedances were noted in the SS-3, SS-6, SS-7, SS-8 and SS-12 soil boring samples. A contaminant distribution map has been included as **Figure 3**.

A summary of results is included below:

- Lead was detected above the rural BSC at 71, 45.2 and 58.3 µg/Kg in the SS-2, SS-6 and SS-11 soil samples;

- Benzaldehyde was detected above the residential EPA RSL, but below the industrial RSL, at 424 and 402 µg/Kg in the SS-1 and SS-3 soil samples. The industrial RSL for benzaldehyde was exceeded in the SS-2 soil sample at 838 µg/Kg;
- Benzo(a)anthracene was detected above the residential EPA RSL, but below the industrial RSL, at 921 and 401 µg/Kg in the SS-10 and SS-11 soil samples;
- Benzo(a)pyrene was detected above residential SL, but below the industrial SL, at 119, 932 and 391 µg/Kg in the SS-5, SS-10 and SS-11 soil samples, respectively. Based on the residential SL exceedance and in accordance with the IRule, the TEQ formula was applied and all of the three locations exceeded the rural BSC;
- Benzo(b)fluoranthene was detected above residential SL, but below the industrial SL, at 1,280 and 532 µg/Kg in the SS-10 and SS-11 soil samples, respectively;
- Dibenzo(a,h)anthracene was detected above residential SL, but below the industrial SL, at 17.5, 179 and 532 µg/Kg in the SS-5, SS-10 and SS-11 soil samples, respectively;
- Indeno(1,2,3-cd)pyrene was detected above residential SL, but below the industrial SL, at 642 and 260 µg/Kg in the SS-10 and SS-11 soil samples, respectively; and,
- No PCBs were detected above laboratory method detection limits in the SS-9, SS-10, SS-11 and SS-12. The VOCs acetone, toluene and total xylenes were detected but none were close to exceeding applicable RSLs or SLs.

3.4 GROUNDWATER MONITORING & ANALYSIS

On March 13, 2018, the three monitoring wells, ATC-2, ATC-3 and ATC-4, were gauged for water depth to evaluate groundwater elevations and flow characteristics. Depth to water ranged from four feet below top of casing (ft BTOC) in ATC-3 to 5.70 ft BTOC in ATC-2. Groundwater elevations for the monitoring wells were calculated by subtracting the depth to water from surveyed top of casing (TOC) elevations. This data is tabulated in **Table 5**. A groundwater contour map was generated utilizing groundwater elevation data and is presented in **Figure 4**. The figure illustrates that shallow horizontal groundwater flow is to the south-southeast.

Following the collection of the depth to water, the wells were purged utilizing low-flow sampling techniques. Three groundwater samples were collected, stored on ice, and transported to SGS Accutest in accordance with appropriate chain-of-custody protocols. The samples were analyzed for VOCs, PP13 metals and PCBs by US EPA Method 8260, 6010 and 8082, respectively. The groundwater analytical report is provided in **Appendix C**. A duplicate sample was collected from ATC-4 in accordance with QA/QC requirements. Results were compared to Vermont Groundwater Enforcement Standards (VGES). Purge water was discharged to ground surface.

A summary of results are included below:

- No VOCs, PP13 metals or PCBs were detected above laboratory method detection limits in the three groundwater samples.

These results indicate that the groundwater has not been impacted by VOCs, PP13 metals or PCBs. Refer

to **Figure 3** for an illustration of groundwater elevation contours for the site. As no contaminants were detected above laboratory method detection limits, no tabulated data was necessary.

3.5 STANDARD OPERATING PROCEDURES (SOPs)

ATC SOPs for each stage of the SSI are presented below. All SOPs can be presented upon request.

Monitoring Well Installation –

- SOP 1. Drilling Equipment Standards
- SOP 2. Monitoring Well Construction Procedures
- SOP 3. Well Development Procedures

Monitoring Well Sampling -

- SOP 4. General Sampling Procedures for Aqueous & Solid Matrices
- SOP 8.1 Groundwater Sampling Collection Procedures Using Bailers or Pumps
- SOP 9. Water Level Measurement Procedure
- SOP 10. Decontamination Procedure
- SOP 11. Sample Custody Procedure

Subsurface Soil Sampling –

- SOP 5. Subsurface Soil Sample Collection Procedure

Field notes for the drilling and sample collection are included in **Appendix B**.

4.0 CONCLUSIONS & RECOMMENDATIONS

On behalf of Mr. Peter Gregory of the TRORC, ATC Group Services, LLC (ATC) presents this Phase II S report to document subsurface investigations at the former sawmill property located at 153 Sawmill Road in Cabot, VT. In accordance with the approved work plan, ATC oversaw the installation of soil borings and groundwater monitoring wells, and the sampling/analyses of soil and groundwater.

ATC concludes that no VOCs, PP13 metals or PCBs were detected above laboratory method detection limits in the groundwater samples collected from ATC-2, ATC-3 and ATC-4.

ATC concludes that no PCBs were detected above laboratory method detection limits in the soil samples collected from the SS-9, SS-10, SS-11, SS-12 hand borings, which were the only borings sampled for PCBs.

VOCs were detected above laboratory method detection limits, but below applicable EPA RSLs and VT SLs, in the soil samples collected from SS-5, SS-6, SS-7, SS-9, SS-10, SS-11 and SS-12, which were the only borings sampled for VOCs. SS-8 had no VOCs detected above laboratory method detection limits. PP13 metals were detected above laboratory method detection limits, but below the EPA RSLs, VT SLs and BSCs in soil samples collected from SS-1 to SS-12, except for lead, which was detected above the rural BSC in the SS-2, SS-6 and SS-11 hand borings.

ATC concludes that the SVOCs benzaldehyde, benzo(a)anthracene, benzo(b)fluoranthene, dibenzo(a,h)anthracene and indeno(1,23,-cd)pyrene), were detected above residential, but below industrial EPA RSLs, in some combination in the SS-1, SS-4, SS-5, SS-10 and SS-11 soil borings. Benzo(a)pyrene was detected above the residential VT SL in the SS-5, SS-10 and SS-11 soil boring samples. Benzaldehyde was detected above the industrial EPA RSL in SS-2. No SVOC EPA RSLs or VT SLs were exceeded in the SS-3, SS-6, SS-7, SS-8 or SS-12 soil borings.

As benzo(a)pyrene exceeded the residential SL of 76 ug/Kg, in the SS-5, SS-10 and SS-11 soil sample locations, the TEQ formula was applied to select PAH compounds, in accordance with EPA protocols. For non-detect locations, half of the MDL was used to calculate the TEQ. All three sample locations' TEQ calculation numbers exceeded the rural BSC of 0.026 mg/Kg.

Based on these conclusions, ATC recommends the following:

1. Submit this report to the VT DEC for review and comment, as EPA RSLs, VT SLs and BSCs were exceeded in soil samples collected from the property.
2. Perform an Additional Site Investigation in accordance with the Irule because of the exceedances of residential SVOC RSLs in numerous locations, the exceedance of an industrial RSL in SS-2, the exceedance of the rural PAH BSC in three locations, and the exceedance of the rural BSC for lead.
3. Monitoring wells should be properly decommissioned in accordance with VT Water Supply Rule.
4. Upon completing the Additional Site Investigation, a Corrective Action Plan (CAP) will be required in accordance with the Irule to address the soil contaminants. At this time it appears as though this site should be exempt from conducting an Evaluation of Corrective Action Alternatives (ECCA) because exemption criteria per Irule have been met, unless Additional Site Investigation findings determine otherwise.

FIGURES



ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

Cabot Sawmill
153 Sawmill Road
Cabot, VT 05647

ATC Group Services LLC

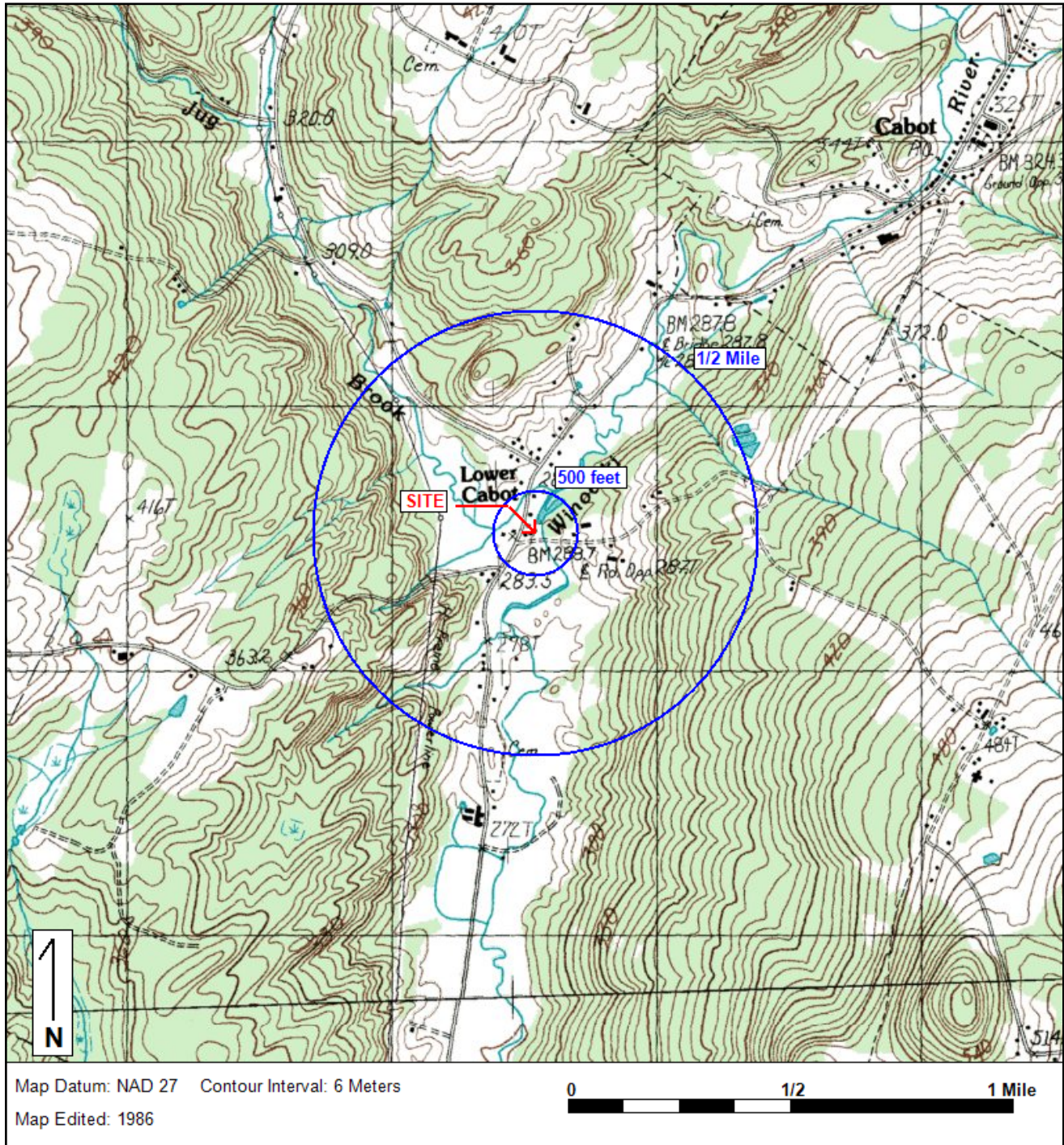
1 Elm Street, Suite 3

Waterbury, VT 05676

Phone 802-241-4131 Fax 802-244-6894

www.atcgroupservices.com

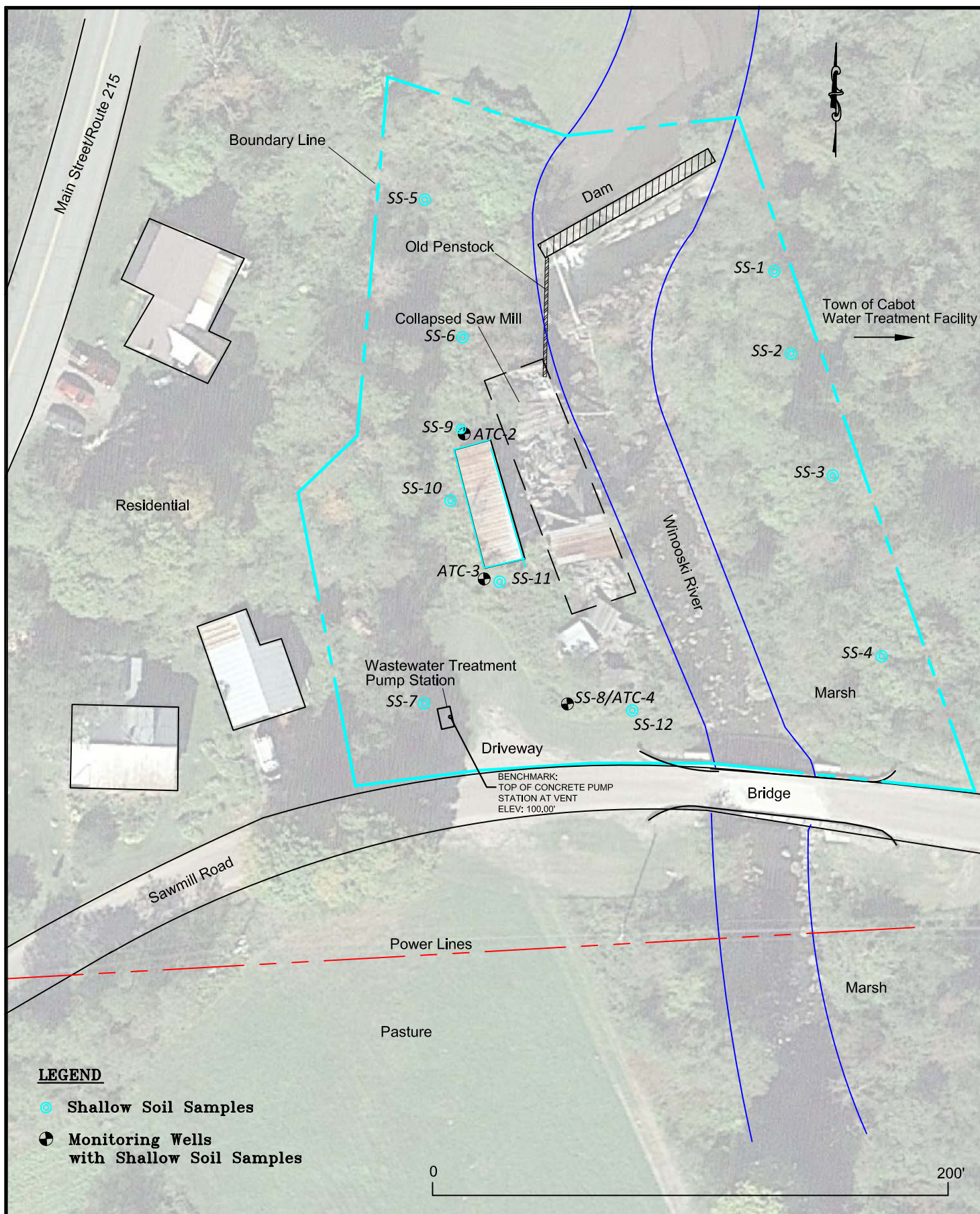
Figure 1: SITE VICINITY MAP



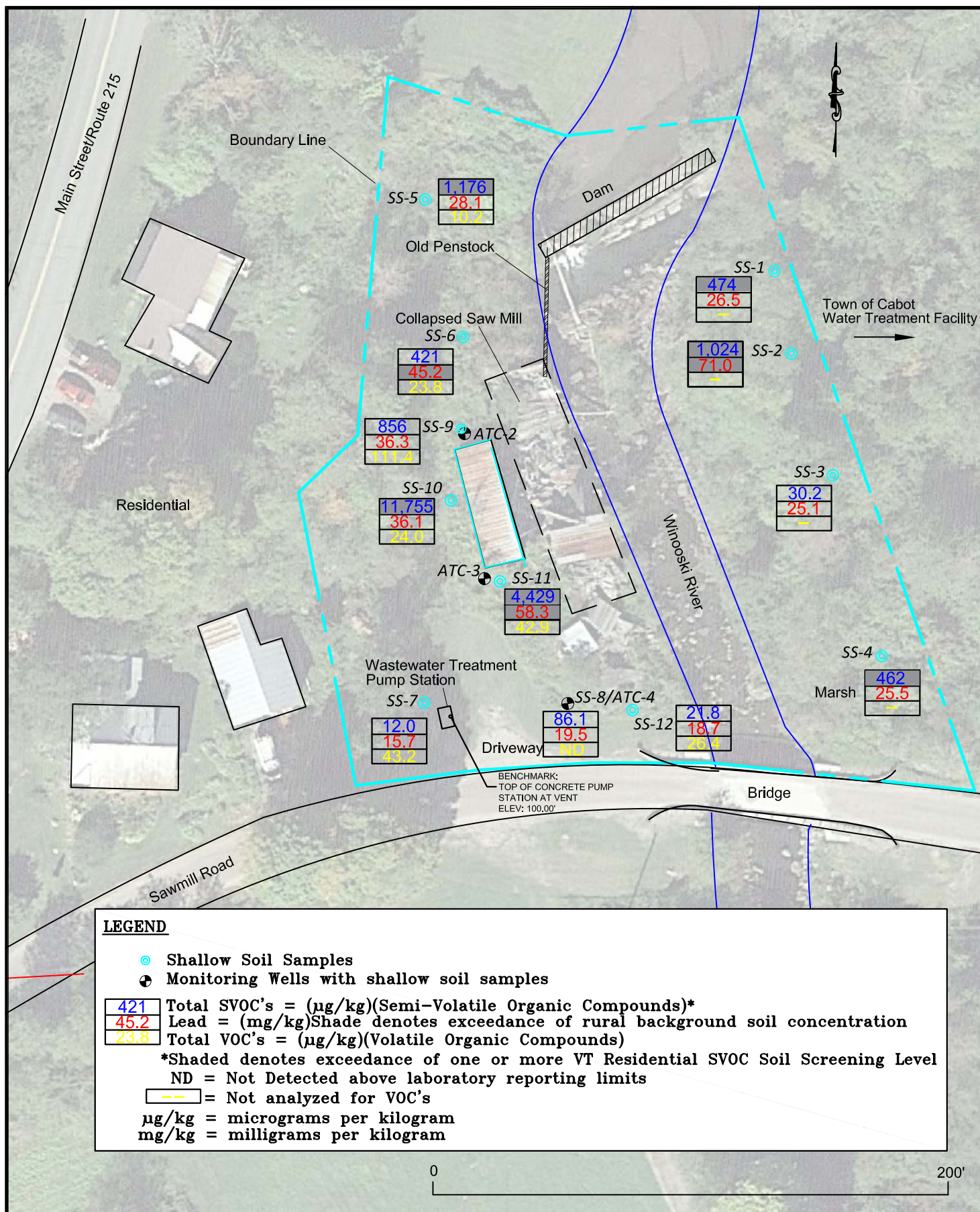
Base Map: U.S. Geological Survey; Quadrangle Location: Cabot, VT

Lat/Lon: 44 23' 27" NORTH, 72 19' 52" WEST - UTM Coordinates: 18 712566.9 EAST / 4918744.3 NORTH

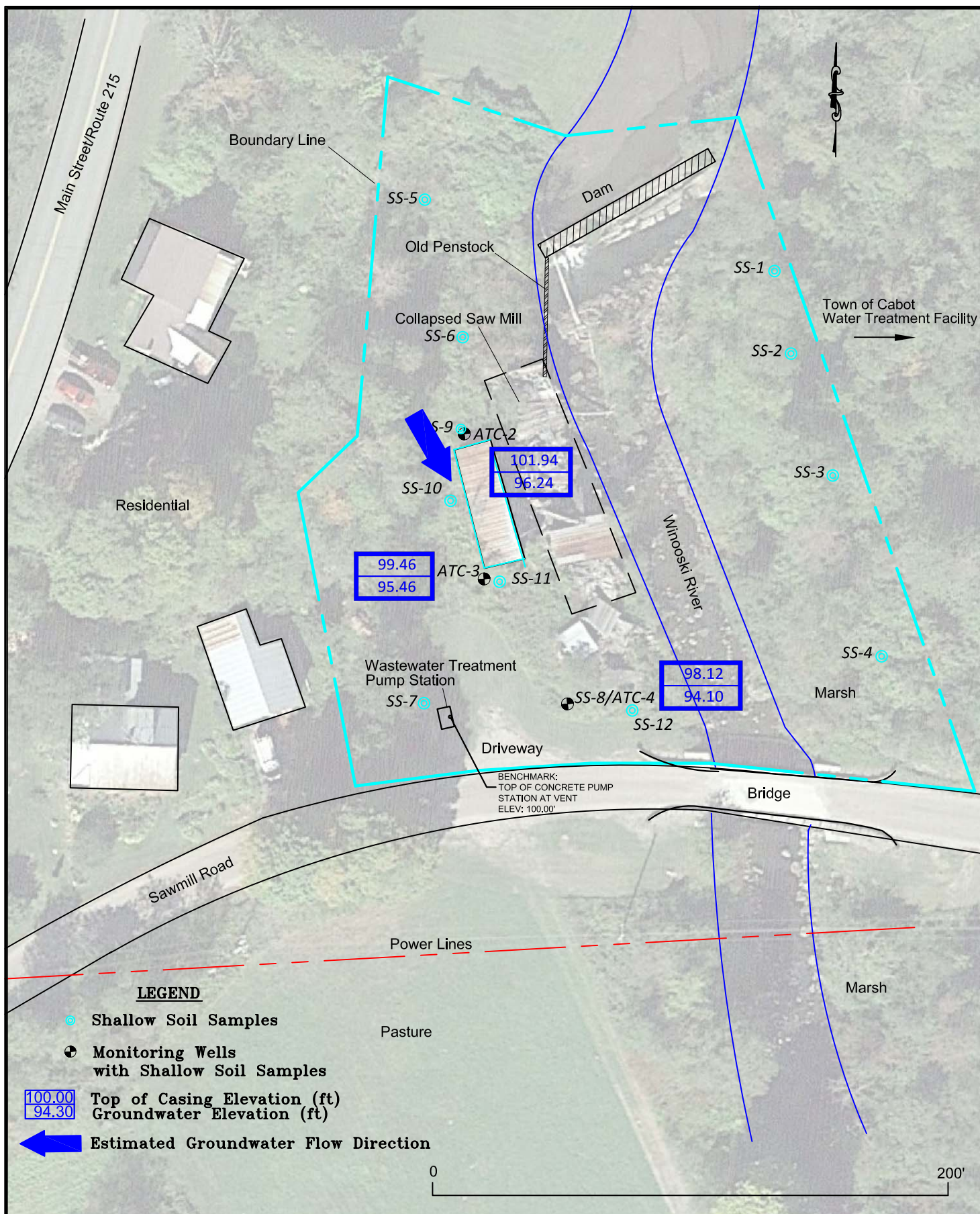
Generated By: Kevin Collins



 1 Elm Street, Suite 3 • Waterbury, VT 05676 Phone: 802-241-4131 Fax: 802-244-0894	PROJECT:		COMPUTER CADFILE: Box/TRORC/CabotSawmill			
	Cabot Sawmill		DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
	153 Sawmill Rd. Cabot, VT		AC/SS		JP	JH
	TITLE:		SCALE:	DATE:	JOB NO.:	FIGURE NO.:
Site Plan		Shown	5-25-18	CabotSawmill	2	



1 Elm Street, Suite 3 • Waterbury, VT 05676 Phone: 802-241-4131 Fax: 802-244-0894	PROJECT: Cabot Sawmill 153 Sawmill Rd. Cabot, VT		COMPUTER CADFILE: Box/TRORC/CabotSawmill			
	TITLE: SOIL-CONTAMINANT DISTRIBUTION MAP March 2018		DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
			AC/SS		JP	JH
			SCALE: Shown	DATE: 5-29-18	JOB NO.: CabotSawmill	FIGURE NO.: 3



1 Elm Street, Suite 3 • Waterbury, VT 05676
Phone: 802-241-4131 Fax: 802-244-0894

PROJECT:

Cabot Sawmill
153 Sawmill Rd.
Cabot, VT

TITLE:

**GROUNDWATER CONTAMINANT
DISTRIBUTION MAP**
SAMPLE DATE: 3/13/18

COMPUTER CADFILE: Box/TRORC/CabotSawmill

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
AC/SS		JP	JH
SCALE:	DATE:	JOB NO.:	FIGURE NO.:
Shown	5-29-18	CabotSawmill	4

TABLES

TABLE 1
Soil Quality Results - VOCs

Cabot Sawmill
Cabot, Vermont

Analyte:		Acetone	Benzene	Chloroform	Ethylbenzene	Methyl tert-butyl ether	Toluene	Total Xylenes
VT Soil Screening Levels (SLs):		39,900,000	442	--	--	--	4,640,000	575,000
EPA RSLs:	Residential Soil	61,000,000	1,200	320	2,210	47,000	4,900,000	580,000
	Industrial Soil	670,000,000	5,100	1,400	25,000	210,000	47,000,000	2,500,000
Sample ID	Depth (ft bgs)	µg/Kg						
SS-5	0-1	10.2	ND<0.36	ND<1.4	ND<0.72	ND<0.72	ND<0.72	ND<0.72
SS-6	0-1	23.8	ND<0.69	ND<2.8	ND<1.4	ND<1.4	ND<1.4	ND<1.4
SS-7	0-1	43.2	ND<0.53	ND<2.1	ND<1.1	ND<1.1	ND<1.1	ND<1.1
SS-8	0-1	ND<12	ND<0.60	ND<2.4	ND<1.2	ND<1.2	ND<1.2	ND<1.2
SS-9	0-1	105	ND<0.73	ND<2.9	ND<1.5	ND<1.5	4.4	2.0
SS-10	0-1	24.0	ND<0.60	ND<2.4	ND<1.2	ND<1.2	ND<1.2	ND<1.2
SS-11	0-1	42.9	ND<0.40	ND<1.6	ND<0.79	ND<0.79	ND<0.79	ND<0.79
SS-12	0-1	24.9	ND<0.58	ND<2.3	ND<1.2	ND<1.2	ND<1.2	1.5
Soil Dup (SS-11)	0-1	8.5	ND<0.43	ND<1.7	ND<0.85	ND<0.85	ND<0.85	ND<0.85
% Difference	--	133.9	--	--	--	--	--	--
Equip. Blank	--	8.0 J	ND<0.50	1.3	ND<1.0	ND<1.0	0.59 J	ND<1.0

NOTES:

VOCs = volatile organic compounds, analyzed by US EPA Method 8260.

Soil samples were collected by ATC on 2/28/2018 and analyzed by SGS Accutest of Dayton, NJ, by US EPA Method 8260C.

Soil quality results provided in µg/kg = micrograms per kilogram or parts per billion (ppb).

ft bgs = feet below ground surface.

ND< value = Not detected at or above stated laboratory reporting limit.

Naphthalene and trimethylbenzenes were not detected above method detection limits for any of the soil samples.

Standards include VT Soil Screening Values set forth in VT DEC Investigation and Remediation of Contaminated Properties Rule (IRule, July 2017), including:

- Vermont Soil Screening Levels (SLs);
- RSLs = most current EPA Regional Screening Levels (RSL) for Residential and Industrial Soils (November 2017).

Bold values indicate detection above laboratory reporting limit.

Shaded values exceed color-corresponding standards.

-- = No standard available or not calculable.

TABLE 2
Soil Quality Results - PP13 Metals

Cabot Sawmill
Cabot, Vermont

Analyte:	Antimony	Arsenic	Beryllium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc	
Vermont Soil Screening Levels:	VT BSC	--	16	--	--	--	--	41/111*	--	--	--	--	--	
	VT SL	27.1		36.0	7.15	41,900	--	--	10.9	980	382.0	247.0	--	22,900
EPA Regional Screening Levels:	RSL Residential	31		160	71	120,000	3,100	400	11	1,500	390	390	0.78	23,000
	RSL Industrial	470		2,300	980	1,800,000	47,000	800	46	22,000	5,800	5,800	12	350,000
Sample ID	Depth (ft bgs)	mg/Kg												
SS-1	0-1	ND<2.8	7.3	0.76	ND<0.70	41.3	24.6	26.5	0.049	51.0	ND<2.8	ND<0.70	ND<1.4	76.5
SS-2	0-1	ND<2.9	4.0	0.53	ND<0.72	31.7	24.9	71.0	0.210	30.6	ND<2.9	ND<0.72	ND<1.4	78.8
SS-3	0-1	ND<2.8	3.9	0.54	ND<0.69	30.4	14.9	25.1	0.036	36.7	ND<2.8	ND<0.69	ND<1.4	41.1
SS-4	0-1	ND<3.3	7.9	0.52	ND<0.83	29.5	16.2	25.5	0.036	32.5	ND<3.3	ND<0.83	ND<1.7	67.4
SS-5	0-1	ND<2.4	4.4	0.41	ND<0.61	29.2	19.2	28.1	0.068	30.7	ND<2.4	ND<0.61	ND<1.2	50.7
SS-6	0-1	ND<2.9	4.3	0.63	ND<0.73	33.3	21.5	45.2	0.070	34.4	ND<2.9	ND<0.73	ND<1.5	161
SS-7	0-1	ND<2.3	4.0	0.33	ND<0.57	18.8	10.2	15.2	ND<0.038	20.0	ND<2.3	ND<0.57	ND<1.1	42.0
SS-8	0-1	ND<2.7	8.9	0.32	ND<0.67	19.8	14.2	19.5	ND<0.034	30.4	ND<2.7	ND<0.67	ND<1.3	56.0
SS-9	0-1	ND<3.4	4.1	0.51	ND<0.85	49.5	28.7	36.3	0.052	46.0	ND<3.4	ND<0.85	ND<1.7	71.5
SS-10	0-1	ND<2.3	4.9	0.34	ND<0.57	23.5	14.8	36.1	ND<0.038	29.3	ND<2.3	ND<0.57	ND<1.1	59.2
SS-11	0-1	ND<2.5	4.4	0.31	ND<0.62	21.3	29.5	58.3	0.041	30.1	ND<2.5	ND<0.62	ND<1.2	105
SS-12	0-1	ND<2.4	9.1	0.64	ND<0.61	43.0	21.1	18.7	ND<0.038	50.4	ND<2.4	ND<0.61	ND<1.2	54.3
Duplicate (SS-11)	0-1	ND<2.6	5.0	0.36	ND<0.64	37.3	22.9	58.0	ND<0.034	36.0	ND<2.6	ND<0.64	ND<1.3	114
% difference	--	--	12.8	14.9	--	54.6	25.2	0.5	--	17.9	--	--	--	8.2
Equip. Blank	--	ND<6.0	ND<3.0	ND<1.0	ND<3.0	ND<10	ND<10	ND<3.0	ND<0.20	ND<10	ND<10	ND<10	ND<2.0	ND<20

NOTES:

Samples collected by ATC on 2/28/2018 and analyzed by SGS Accutest of Dayton, NJ by US EPA 6010C/7470A Methods

Soil quality results provided in mg/kg = milligrams per kilogram or parts per million (ppm).

* - Rural/urban background soil concentrations (BSCs).

ND< value = Not detected at or above stated laboratory reporting limit.

Standards include Soil Screening Values set forth in VT DEC Investigation and Remediation of Contaminated Properties (IRule - July 2017), including:

- VT SL = VT Screening Level, Residential;
- VT BSC - Vermont Dept. of Environmental Conservation Background Soil Concentrations;
- Residential and Industrial Soils = most current EPA Regional Screening Levels (RSL) for Residential and Industrial Soils (November 2017).

Bold values indicate detection above laboratory reporting limits.

Shaded values exceed color-corresponding standard.

There are no standards for Total Chromium; therefore, Chromium III was utilized for comparison purposes.

-- = No standard available or not calculable.

TABLE 3
Soil Quality Results - SVOC/PAHs

Cabot Sawmill
Cabot, Vermont

Analyte:		Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo (g,h,i) perylene	Benzo (k) fluoranthene	Benzaldehyde	Butyl benzyl phthalate	Carbazole	Chrysene	Dibenzo (a,h) anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Phenan-threne	Pyrene	Total SVOCs
VT Soil Screening Levels:	VT BSC	--	--	--	--	26/580 TEQ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	VT SL R	--	--	--	--	76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	VT SL I	--	--	--	--	1,540	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EPA Regional Screening Levels:	Residential Soil	3,600,000	--	18,000,000	160	--	160	--	1,600	170	290	--	16,000	16	73,000	2,400,000	2,400,000	160	--	1,800,000	--
	Industrial Soil	45000000	--	230,000,000	2,900	--	2,900	--	29,000	820	1,200	--	290,000	290	1,000,000	30,000,000	30,000,000	2,900	--	23,000,000	--
Sample ID	Depth (ft bgs)	µg/kg																			
SS-1	0-1	ND<44	ND<44	ND<44	ND<44	ND<44	ND<44	ND<44	ND<44	424	ND<87	ND<87	ND<44	ND<44	ND<87	24.8 J	ND<44	ND<44	ND<44	25.1 J	474
SS-2	0-1	ND<47	ND<47	ND<47	ND<47	21.1 J	38.0 J	24.8 J	ND<47	838	ND<93	ND<93	22.9	ND<47	ND<93	25.1 J	ND<47	26.1 J	ND<47	28.4 J	1,024
SS-3	0-1	ND<48	ND<48	ND<48	ND<48	ND<48	ND<48	ND<48	ND<48	30.2 J	ND<95	ND<95	ND<48	ND<48	ND<95	ND<48	ND<48	ND<48	ND<48	ND<48	30.2
SS-4	0-1	ND<56	ND<56	ND<56	ND<56	ND<56	ND<56	ND<56	ND<56	402	ND<110	ND<110	ND<56	ND<56	ND<110	32.1 J	ND<56	ND<56	ND<56	27.5 J	462
SS-5	0-1	ND<39	25.6 J	ND<39	105	119	135	70.5	53.6	15.5 J	ND<78	ND<78	126	17.5 J	ND<78	174	ND<39	68.5	69.2	197	1,176
SS-6	0-1	ND<48	ND<48	ND<48	35.4 J	37.4 J	42.5 J	ND<48	ND<48	34.3 J	ND<95	ND<95	46.7 J	ND<48	ND<95	59.7	ND<48	23.8 J	64.1	76.7	421
SS-7	0-1	ND<37	ND<37	ND<37	16.2 J	ND<37	17.8 J	ND<37	ND<37	ND<190	ND<74	ND<74	16.7 J	ND<37	ND<74	23.6 J	ND<37	ND<37	15.8 J	29.9 J	120
SS-8	0-1	ND<43	ND<43	ND<43	ND<43	ND<43	ND<43	ND<43	ND<43	86.1 J	ND<86	ND<86	ND<43	ND<43	ND<86	ND<43	ND<43	ND<43	ND<43	ND<43	86.1
SS-9	0-1	ND<52	ND<52	ND<52	62.7	64.8	99.0	51.2 J	38.4 J	49.8 J	ND<100	ND<100	76.0	ND<52	ND<100	152	ND<52	50.3 J	79.9	132	856
SS-10	0-1	27.5 J	171	196	921	932	1,280	605	554	22.7 J	ND<74	83.8	1,100	179	33.6	1,810	105	642	1,060	1,650	11,373
SS-11	0-1	ND<40	ND<40	96.4	401	391	532	250	205	ND<200	ND<81	19.8 J	453	77.1	ND<81	708	29.6 J	260	327	699	4,449
SS-12	0-1	ND<39	ND<39	ND<39	ND<39	ND<39	ND<39	ND<39	ND<39	ND<190	21.8 J	ND<78	ND<39	ND<39	ND<78	ND<39	ND<39	ND<39	ND<39	ND<39	21.8
Duplicate (SS-11)	0-1	ND<41	99.3	98.6	407	406	524	261	224	22.0 J	ND<82	20.6 J	476	69.7	ND<82	734	32.0 J	267	394	731	4,766
% Difference	--	--	--	2.3	1.5	3.8	1.5	4.3	8.9	--	--	4.0	5.0	10.1	--	3.6	7.8	2.7	18.6	4.5	--
Equip. Blank (µg/L)	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<5.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<5.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--

NOTES:

Soil samples collected by ATC on 2/28/2018 and analyzed by SGS Accutest of Dayton, NJ for EPA Method 8270D.

Soil quality results provided in ug/kg = micrograms per kilogram or parts per billion (ppb).

TEQ - Toxic Equivalency Quotient for PAH subset.

ND< value = Not detected at or above stated laboratory reporting limit.

Standards include Soil Screening Values set forth in VT DEC Investigation and Remediation of Contaminated Properties (Irule, July 2017), including:

- VT BSC - Vermont Dept. of Environmenal Conservation Background Soil Concentrations (rural/urban);
- VT SL R/I = VT Screening Level, Residential/Industrial;
- Residential and Industrial Soils = most current EPA Regional Screening Levels (RSL) for Residential and Industrial Soils (November 2017).

Bold values indicate detection above laboratory reporting limit.

Shaded values exceed color-corresponding standard.

-- = No standard available or not calculable.

J = reported value is above the method detection limit but below laboratory reporting limit, and is therefore an estimated value.

TABLE 4
Soil Quality - PAH TEQs

Cabot Sawmill
Cabot, Vermont

PAHs	B(a)P TEF	VT DEC Rural / Urban Background Value		SS-5 result	TEQ	SS-10 result	TEQ	SS-11 result	TEQ
Benzo(a)anthracene	0.100			0.105	0.0105	0.921	0.0921	0.401	0.0401
Benzo(a)pyrene	1.000			0.119	0.119	0.932	0.932	0.391	0.391
Benzo(b)fluoranthene	0.100			0.135	0.0135	1.28	0.128	0.532	0.0532
Benzo(k)fluoranthene	0.010			0.0536	0.000536	0.054	0.00054	0.205	0.00205
Chrysene	0.001			0.126	0.000126	1.1	0.0011	0.453	0.000453
Dibenz(a,h)anthracene	1.000			0.0175	0.0175	0.179	0.179	0.0771	0.0771
indeno(1,2,3-cd)pyrene	0.100			0.0685	0.00685	0.642	0.0642	0.26	0.026
B(a)P TEQ:		0.026	0.58		0.17		1.40		0.59

NOTES:

TEQ = Toxic Equivalency Quotient

B(a)P = Benzo(a)Pyrene

TEF = Toxic Equivalency Factor

B(a)P TEQs are calculated from PAH analytical concentrations multiplied by the corresponding TEF and summed.

VT DEC Rural / Urban Background values are from Appendix A of the Investigation & Remediation of Contaminated Properties Rule, July 2017

TABLE 5
Groundwater Elevation Calculations

Cabot Sawmill
Cabot, Vermont

Monitoring Date: March 13, 2018

Well I.D.	Top of Casing Elevation	Depth to Water	Water Table Elevation
ATC-2	101.94	5.70	96.24
ATC-3	99.46	4.00	95.46
ATC-4	98.12	4.02	94.10

All values reported in feet relative to arbitrary site datum of 100.00 feet.

APPENDIX A

BORING LOGS & MONITORING WELL CONSTRUCTION DETAILS



1 ELM STREET (802) 241-4131
WATERBURY, VERMONT 05676 (802) 244-6894 - FAX

BORING / WELL IDENTIFICATION: ATC-2

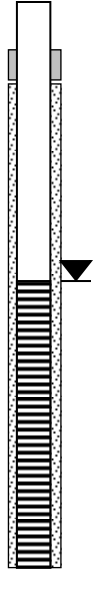
SITE NAME: Cabot Sawmill

SITE LOCATION: 153 Sawmill Road, Cabot, VT

INSTALLATION DATE: 3/5/2018

JOB NUMBER: 280EM00128

WELL DEPTH:	10'	BORING DEPTH:	10'	ATC REPRESENTATIVE:	JP
DEPTH TO WATER (DURING DRILLING):	5'	DRILLING COMPANY:	Cascade		
SCREEN DIAMETER:	1.5"	DEPTH:	10-4'		
SCREEN TYPE/SIZE:	0.010" Slotted	SAMPLING METHOD:	DP - 5' runs		
RISER DIAMETER:	1.5"	DEPTH:	4-0'	REFERENCE POINT (RP):	Ground
RISER TYPE/SIZE:	PVC	ELEVATION OF RP:			
REMARKS:	Hand cleared to 5' with 5" diameter hand auger				

DEPTH (IN FEET)	BLOW COUNTS PER 6 "	RECOVERY (FT)	SAMPLE DESCRIPTION AND NOTES	PID (PPM)	WELL PROF ILE	LEGEND
0			Brown to dark brown, moist to wet, fine to coarse SAND, some Silt, trace Gravel, soft			 Concrete  Native Material  Bentonite  Filter Sand  Riser  Screen  Water level
1						
2				0.0		
3				0.0		
4		0-5.0' 1.5' recovered		0.0		
5			Brown saturated fine to medium SAND and fine to coarse Gravel, rounded, trace Cobble and Silt, dense.	0.0		
6				0.0		
7				0.0		
8				0.0		
9		5-10' 5.0' recovered		0.0		
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20			End of Sampling = 10 feet Well set @ 10 feet			

PROPORTIONS USED
AND 33-50%
SOME 20-33%
LITTLE 10-20%
TRACE 0-10%

BLOW COUNT (COHESIVE SOILS)
<2 VERY SOFT
2-4 SOFT
4-8 MEDIUM STIFF
8-15 STIFF
15-30 VERY STIFF
>30 HARD

BLOW COUNT (GRANULAR SOILS)
0-4 VERY LOOSE
4-10 LOOSE
10-30 MEDIUM DENSE
30-50 DENSE
>50 VERY DENSE

Notes:

PID used: IonScience - PhoCheck Tiger #3

Depth to water was _____ feet after four hours.



1 ELM STREET (802) 241-4131
WATERBURY, VERMONT 05676 (802) 244-6894 - FAX

BORING / WELL IDENTIFICATION: ATC-3

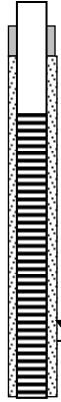
SITE NAME: Cabot Sawmill

SITE LOCATION: 153 Sawmill Road, Cabot, VT

INSTALLATION DATE: 3/5/2018

JOB NUMBER: 280EM00128

WELL DEPTH:	7'	BORING DEPTH:	7'	ATC REPRESENTATIVE:	JP
DEPTH TO WATER (DURING DRILLING):	6'	DRILLING COMPANY:	Cascade		
SCREEN DIAMETER:	1.5"	DEPTH:	7-2'		
SCREEN TYPE/SIZE:	0.010" Slotted	SAMPLING METHOD:	DP - 5' runs		
RISER DIAMETER:	1.5"	DEPTH:	2-0'	REFERENCE POINT (RP):	Ground
RISER TYPE/SIZE:	PVC	ELEVATION OF RP:			
REMARKS:	Hand cleared to 5' with 5" diameter hand auger, four attempts, hit shallow refusal				

DEPTH (IN FEET)	BLOW COUNTS PER 6 "	RECOVERY (FT)	SAMPLE DESCRIPTION AND NOTES	PID (PPM)	WELL PROF ILE	LEGEND
0			Moist, brown medium dense, fine to medium SAND with trace Cobble			Concrete 
1						Native Material 
2				0.0		Bentonite 
3				0.0		Filter Sand 
4		0-5' 2.5' recovered	Coarse, brown to dark brown, moist to wet, micaceous SAND, weathered Schist, loose, trace Silt.	0.0		Riser 
5				0.0		Screen 
6		5-7' 2.0' recovered				Water level 
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20			End of Sampling = 7 feet Well set @ 7 feet			

PROPORTIONS USED
AND 33-50%
SOME 20-33%
LITTLE 10-20%
TRACE 0-10%

BLOW COUNT (COHESIVE SOILS)
<2 VERY SOFT
2-4 SOFT
4-8 MEDIUM STIFF
8-15 STIFF
15-30 VERY STIFF
>30 HARD

BLOW COUNT (GRANULAR SOILS)
0-4 VERY LOOSE
4-10 LOOSE
10-30 MEDIUM DENSE
30-50 DENSE
>50 VERY DENSE

Notes:

PID used: IonScience - PhoCheck Tiger #3

Depth to water was _____ feet after four hours.



1 ELM STREET (802) 241-4131
WATERBURY, VERMONT 05676 (802) 244-6894 - FAX

BORING / WELL IDENTIFICATION: ATC-4

SITE NAME: Cabot Sawmill

SITE LOCATION: 153 Sawmill Road, Cabot, VT

INSTALLATION DATE: 3/5/2018

JOB NUMBER: 280EM00128

WELL DEPTH:	8.5'	BORING DEPTH:	8.5'	ATC REPRESENTATIVE:	JP
DEPTH TO WATER (DURING DRILLING):	4.5'	DRILLING COMPANY:	Cascade		
SCREEN DIAMETER:	1.5"	DEPTH:	8.5-3.5		
SCREEN TYPE/SIZE:	0.010" Slotted	SAMPLING METHOD:	DP - 5' runs		
RISER DIAMETER:	1.5"	DEPTH:	3.5-0'	REFERENCE POINT (RP):	Ground
RISER TYPE/SIZE:	PVC	ELEVATION OF RP:			
REMARKS:	Hand cleared to 5' with 5" diameter hand auger				

DEPTH (IN FEET)	BLOW COUNTS PER 6 "	RECOVERY (FT)	SAMPLE DESCRIPTION AND NOTES	PID (PPM)	WELL PROF ILE	LEGEND
0			Brown, wet, loose, coarse to fine SAND, evidence of fill, small fine gravel.			Concrete Native Material Bentonite Filter Sand Riser Screen Water level
1						
2						
3				0.0		
4		3-5.0' 1.5' recovered	Brown, wet, coarse to fine SAND and moist, stiff, dark grey SILT and fine Sand	0.0		
5				0.0		
6				0.0		
7				0.0		
8		5-8.5' 3.0' recovered		0.0		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20			End of Sampling = 8.5 feet Well set @ 8.5 feet			

PROPORTIONS USED
AND 33-50%
SOME 20-33%
LITTLE 10-20%
TRACE 0-10%

BLOW COUNT (COHESIVE SOILS)
<2 VERY SOFT
2-4 SOFT
4-8 MEDIUM STIFF
8-15 STIFF
15-30 VERY STIFF
>30 HARD

BLOW COUNT (GRANULAR SOILS)
0-4 VERY LOOSE
4-10 LOOSE
10-30 MEDIUM DENSE
30-50 DENSE
>50 VERY DENSE

Notes:

PID used: IonScience - PhoCheck Tiger #3

Depth to water was _____ feet after four hours.

APPENDIX B

PHOTOGRAPHS & FIELD NOTES

PHOTOGRAPHIC LOG

ATC Group Services, LLC.
1 Elm St., Suite 3
Waterbury, Vermont 05676



Client Name:
TRORC

Site Location:
Cabot Sawmill
153 Sawmill Road
Cabot, Vermont

ATC Project #:
280EM00128

Photograph #1

Description:
Groundwater
monitoring well ATC-2
(and soil sample SS-9
location), near the
northern end of the
dilapidated building.



Photograph #2

Description:
Groundwater
monitoring well ATC-3
and nearby soil sample
SS-11, near the
southern end of the
dilapidated building.



PHOTOGRAPHIC LOG

ATC Group Services, LLC.
1 Elm St., Suite 3
Waterbury, Vermont 05676



Client Name: TRORC	Site Location: Cabot Sawmill 153 Sawmill Road Cabot, Vermont	ATC Project #: 280EM00128
------------------------------	--	-------------------------------------

Photograph #3 Description: Groundwater monitoring well ATC-4 (and soil sample SS-8 location) near the southern property line, near Sawmill Road.	 A photograph showing a groundwater monitoring well (ATC-4) in a snowy field. The well is a small, circular, light-colored structure partially buried in the snow. A wooden stake with an orange flag is planted in the snow next to the well. The background shows a line of bare trees and a snow-covered ground.
--	--

Photograph #4 Description: Soil sampling activities on the east side of the Winooski River. A significant amount of snow required manual removal in order to get the samples.	 A photograph showing a person in a yellow safety vest and blue jeans performing soil sampling activities in a snowy field. The person is using a shovel to dig through the snow. A white bucket is visible in the foreground, and a wooden stake with an orange flag is planted in the snow. The background shows a line of bare trees and a snow-covered ground.
---	--

Cabot Sawmill Phase II 280EM00128

2.28.18

JP + TA onsite 1030

Devon + ME onsite for lead + asbestos
↳ offsite 1130

Calibrated PID Tiger 3

48.1 ppm isobutylene
0.0 zero cal

ME offsite 1435

TA + JP to mark out borings + take soil samples
Samples

SS-1 @ 1545

SS-2 @ 1525

SS-3 @ 1510

SS-4 @ 1450

SS-5 @ 1430

SS-6 @ 1415

SS-7 @ 1230

SS-8 @ 1140

SS-9 @ 1340

SS-10 @ 1320

SS-11 @ 1305

SS-12 @ 1205

EB off spatula @ 1600

} 8270, metals (1-802 jar)

} 8260, 8270, metals (1-802 jar)

} 8260, 8270, metals, 8082
Duf @ 1300
(1-802 + VOC low level kit) all 4 parameters

(all 4 parameters)

1615

offsite

↳ 4 - 1L canisters (SVOC + PCBs)
2 - Hel VOCs (VOCs)
1 - 250mL nitric plastic (metals)

✓ call town for snow removal

✓ COC's, label EB, ship samples

✓ call Dry Safe

✓ call cascade 908-246-5853

✗ get a waiver

JP



ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

BORING IDENTIFICATION:

SITE NAME:

SITE LOCATION:

INSTALLATION DATE:

JOB NUMBER:

SS-1
Cabot Sawmill
Cabot
2.28.18
280EM00128

BORING DEPTH:

DEPTH TO WATER:

REMARKS:

1 ft
just north of foundation
remains on E. side river

ATC REPRESENTATIVE:

SUBCONTRACTOR:

SAMPLING METHOD:

REFERENCE POINT (RP):

ELEVATION OF RP:

JP
hand auger

DEPTH (INCHES)	SAMPLE DEPTH	SAMPLE DESCRIPTION AND NOTES	PID (PPM)
0		0-12" dark brown w/ organics, moist, silty f. sand	0.2
1			
2			
3			
4			
5			
6			
7	Composite		
8	sample	for 8270 + RP-13 6010	0.1
9	0-12"	@ 1545	
10			
11			
12			
13			
14			
15			
16			
17			
18			

PROPORTIONS USED
AND 33-50%
SOME 20-33%
LITTLE 10-20%
TRACE 0-10%

BLOW COUNT (COHESIVE SOILS)
<2 VERY SOFT
2-4 SOFT
4-8 MEDIUM STIFF
8-15 STIFF
15-30 VERY STIFF
>30 HARD

BLOW COUNT (GRANULAR SOILS)
0-4 VERY LOOSE
4-10 LOOSE
10-30 MEDIUM DENSE
30-50 DENSE
>50 VERY DENSE

Notes:

PID used: Tiger #3



ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

BORING IDENTIFICATION:

SITE NAME:

SITE LOCATION:

INSTALLATION DATE:

JOB NUMBER:

55-2
Cabot Sawmill
Cabot
2.28.18
280EM00128

BORING DEPTH:

DEPTH TO WATER:

REMARKS:

ATC REPRESENTATIVE:

SUBCONTRACTOR:

SAMPLING METHOD:

REFERENCE POINT (RP):

ELEVATION OF RP:

JP

hard auger

just south of foundation
remains on E. side river

DEPTH (INCHES)	SAMPLE DEPTH	SAMPLE DESCRIPTION AND NOTES	PID (PPM)
0		0-12" dark brown, moist, silt (fop)	
1		yp. sand and silt, dense 6-12"	
2			0.1
3			
4			
5			
6	composite		
7	0-12"	for 8270 + PP-13 metals	
8		@ 1525	0.0
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			

PROPORTIONS USED
AND 33-50%
SOME 20-33%
LITTLE 10-20%
TRACE 0-10%

BLOW COUNT (COHESIVE SOILS)
<2 VERY SOFT
2-4 SOFT
4-8 MEDIUM STIFF
8-15 STIFF
15-30 VERY STIFF
>30 HARD

BLOW COUNT (GRANULAR SOILS)
0-4 VERY LOOSE
4-10 LOOSE
10-30 MEDIUM DENSE
30-50 DENSE
>50 VERY DENSE

Notes:

PID used:

Pho Check
Tiger #3



ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

BORING IDENTIFICATION:

SITE NAME:

SITE LOCATION:

INSTALLATION DATE:

JOB NUMBER:

SS-3
Cabot Sawmill
Cabot
2.28.18
280 EM CO128

BORING DEPTH:

DEPTH TO WATER:

REMARKS:

1. ft
near ditches on east
side of river

ATC REPRESENTATIVE:

SUBCONTRACTOR:

SAMPLING METHOD:

REFERENCE POINT (RP):

ELEVATION OF RP:

JP
hand auger

DEPTH (INCHES)	SAMPLE DEPTH	SAMPLE DESCRIPTION AND NOTES	PID (PPM)
0		0-12" coarsening downwards,	
1		wet, dark brown, v.f. sand and	
2		silt w/ organics, to m. sand	0.0
3		and silt	
4			
5			
6	composite		
7	sample	for 8270 & PP-13 6010	0.0
8	0-12"	@ 1510	
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			

PROPORTIONS USED
AND 33-50%
SOME 20-33%
LITTLE 10-20%
TRACE 0-10%

BLOW COUNT (COHESIVE SOILS)
<2 VERY SOFT
2-4 SOFT
4-8 MEDIUM STIFF
8-15 STIFF
15-30 VERY STIFF
>30 HARD

BLOW COUNT (GRANULAR SOILS)
0-4 VERY LOOSE
4-10 LOOSE
10-30 MEDIUM DENSE
30-50 DENSE
>50 VERY DENSE

Notes:

PID used:

Photocheck Tiger
#3



ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

BORING IDENTIFICATION:

SITE NAME:

SITE LOCATION:

INSTALLATION DATE:

JOB NUMBER:

SS-4
Cabot Sawmill
Cabot
2.28.18
280EM00128

BORING DEPTH:

DEPTH TO WATER:

REMARKS:

ATC REPRESENTATIVE:

SUBCONTRACTOR:

SAMPLING METHOD:

REFERENCE POINT (RP):

ELEVATION OF RP:

JP
hand auger

DEPTH (INCHES)	SAMPLE DEPTH	SAMPLE DESCRIPTION AND NOTES	PID (PPM)
0		0-12" mostly organics, silty f-m sand, dark brown, moist, loose	0.1
1			
2			
3			
4			
5	composite		
6	0-12"		
7		to - 8270 + PP-13 6010 @ 1450	0.0
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			

PROPORTIONS USED
AND 33-50%
SOME 20-33%
LITTLE 10-20%
TRACE 0-10%

BLOW COUNT (COHESIVE SOILS)
<2 VERY SOFT
2-4 SOFT
4-8 MEDIUM STIFF
8-15 STIFF
15-30 VERY STIFF
>30 HARD

BLOW COUNT (GRANULAR SOILS)
0-4 VERY LOOSE
4-10 LOOSE
10-30 MEDIUM DENSE
30-50 DENSE
>50 VERY DENSE

Notes:

PID used:

Tiger #3



ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

BORING IDENTIFICATION:

SS-5 (ATC-1)

SITE NAME:

Cabot Sawmill

SITE LOCATION:

Cabot

INSTALLATION DATE:

2-28-18

JOB NUMBER:

280E/100128

BORING DEPTH:

1.2

ATC REPRESENTATIVE:

JP

DEPTH TO WATER:

SUBCONTRACTOR:

REMARKS:

SAMPLING METHOD:

hand auger

REFERENCE POINT (RP):

ground

ELEVATION OF RP:

DEPTH (INCHES)	SAMPLE DEPTH	SAMPLE DESCRIPTION AND NOTES	PID (PPM)
0		0-12" dark brown, moist, loose, f-m sand, little silt + f. round gravel	1.2
1			
2			
3			
4			
5	composite 0-12"	for 8260, 8270, pp13 6010 @ 1430	0.0
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			

PROPORTIONS USED
AND 33-50%
SOME 20-33%
LITTLE 10-20%
TRACE 0-10%

BLOW COUNT (COHESIVE SOILS)
<2 VERY SOFT
2-4 SOFT
4-8 MEDIUM STIFF
8-15 STIFF
15-30 VERY STIFF
>30 HARD

BLOW COUNT (GRANULAR SOILS)
0-4 VERY LOOSE
4-10 LOOSE
10-30 MEDIUM DENSE
30-50 DENSE
>50 VERY DENSE

Notes:

PID used:

Photocheck T72r
#3



ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

BORING IDENTIFICATION:

SS-6

SITE NAME:

Cabot Sawmill

SITE LOCATION:

Cabot

INSTALLATION DATE:

2-28-18

JOB NUMBER:

280EM00128

BORING DEPTH:

1 ft

ATC REPRESENTATIVE:

JP

DEPTH TO WATER:

SUBCONTRACTOR:

REMARKS:

SAMPLING METHOD:

hand auger

REFERENCE POINT (RP):

ground

ELEVATION OF RP:

DEPTH (INCHES)	SAMPLE DEPTH	SAMPLE DESCRIPTION AND NOTES	PID (PPM)
0		0-12" dark brown, moist, loose,	0.0
1		f. sand, some silt, organics, trace	
2		f. gravel	
3			
4			
5			
6			
7	composite		
8	0-12"	for 8260, 8270, PP-136010	
9		@ 1415	
10			
11			
12			
13			
14			
15			
16			
17			
18			

PROPORTIONS USED
AND 33-50%
SOME 20-33%
LITTLE 10-20%
TRACE 0-10%

BLOW COUNT (COHESIVE SOILS)
<2 VERY SOFT
2-4 SOFT
4-8 MEDIUM STIFF
8-15 STIFF
15-30 VERY STIFF
>30 HARD

BLOW COUNT (GRANULAR SOILS)
0-4 VERY LOOSE
4-10 LOOSE
10-30 MEDIUM DENSE
30-50 DENSE
>50 VERY DENSE

Notes:

PID used:

ProCheck Tiger
#3



ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

BORING IDENTIFICATION:

SITE NAME:

SS-7
Cabot Sawmill

SITE LOCATION:

Cabot

INSTALLATION DATE:

2-28-18

JOB NUMBER:

280EM00128

BORING DEPTH:

1 ft

ATC REPRESENTATIVE:

JP

DEPTH TO WATER:

SUBCONTRACTOR:

REMARKS:

SAMPLING METHOD:

hand auger

REFERENCE POINT (RP):

ground

ELEVATION OF RP:

DEPTH (INCHES)	SAMPLE DEPTH	SAMPLE DESCRIPTION AND NOTES	PID (PPM)
0		frozen	10.0
1		0-12" dark brown, f. rounded gravelly	10.0
2		f-c sand, little silt, moist, hard	
3		more gravel at 12"	0.0
4			
5			
6	composite		
7	0-12"	for 8270 full, PP-136010, 8260	
8		@ 1230	0.0
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			

PROPORTIONS USED
AND 33-50%
SOME 20-33%
LITTLE 10-20%
TRACE 0-10%

BLOW COUNT (COHESIVE SOILS)
<2 VERY SOFT
2-4 SOFT
4-8 MEDIUM STIFF
8-15 STIFF
15-30 VERY STIFF
>30 HARD

BLOW COUNT (GRANULAR SOILS)
0-4 VERY LOOSE
4-10 LOOSE
10-30 MEDIUM DENSE
30-50 DENSE
>50 VERY DENSE

Notes:

PID used:

checked Tiger
#3



ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

BORING IDENTIFICATION:

SS-8 (ATC-4)

SITE NAME:

Cabot Sawmill

SITE LOCATION:

Cabot

INSTALLATION DATE:

2.28.18

JOB NUMBER:

280EM00128

BORING DEPTH:

1 ft

ATC REPRESENTATIVE:

JP

DEPTH TO WATER:

SUBCONTRACTOR:

REMARKS:

SAMPLING METHOD:

hand auger

REFERENCE POINT (RP):

ground

ELEVATION OF RP:

DEPTH (INCHES)	SAMPLE DEPTH	SAMPLE DESCRIPTION AND NOTES	PID (PPM)
0		surface material	0.0
1			
2		0-12 dark brown, moist, loose,	0.0
3		gravelly f-c sand, little silt	0.0
4			0.0
5	comp. 0-12"		0.0
6		for VOCs, SVOCs, metals	0.0
7		@ 1140	0.0
8			(6-12 in.)
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			

PROPORTIONS USED AND	BLOW COUNT (COHESIVE SOILS)	BLOW COUNT (GRANULAR SOILS)	Notes:
33-50%	<2	0-4	VERY LOOSE
SOME 20-33%	2-4	4-10	LOOSE
LITTLE 10-20%	4-8	10-30	MEDIUM DENSE
TRACE 0-10%	8-15	30-50	DENSE
	15-30	>50	VERY DENSE
	>30		



ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

BORING IDENTIFICATION:

SS-9 (ATC-2)

SITE NAME:

Cabot Sawmill

SITE LOCATION:

Cabot

INSTALLATION DATE:

2.28.18

JOB NUMBER:

280 EMO0128

BORING DEPTH:

1 ft

ATC REPRESENTATIVE:

R

DEPTH TO WATER:

SUBCONTRACTOR:

REMARKS:

SAMPLING METHOD:

hand auger

REFERENCE POINT (RP):

ground

ELEVATION OF RP:

DEPTH (INCHES)	SAMPLE DEPTH	SAMPLE DESCRIPTION AND NOTES	PID (PPM)
0		0-12" organics, dark brown, wet to moist, f-m sand, little rounded f. gravel & silt large cobbles at 6 inches (old foundation stones?)	15.3
1			
2			
3			
4			21.3
5			
6	composite		
7	sample		
8	0-12"	for 8082, 8260, 8270, PP-136010	4.7
9		@ 1340	
10			
11			
12			
13			
14			
15			
16			
17			
18			

PROPORTIONS USED
AND 33-50%
SOME 20-33%
LITTLE 10-20%
TRACE 0-10%

BLOW COUNT (COHESIVE SOILS)
<2 VERY SOFT
2-4 SOFT
4-8 MEDIUM STIFF
8-15 STIFF
15-30 VERY STIFF
>30 HARD

BLOW COUNT (GRANULAR SOILS)
0-4 VERY LOOSE
4-10 LOOSE
10-30 MEDIUM DENSE
30-50 DENSE
>50 VERY DENSE

Notes:

PID used:

Proctor #3



ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

BORING IDENTIFICATION:

SS-10

SITE NAME:

Cabot Sawmill

SITE LOCATION:

Cabot

INSTALLATION DATE:

2-28-18

JOB NUMBER:

280 EM 00128

BORING DEPTH:

1 ft

DEPTH TO WATER:

REMARKS:

ATC REPRESENTATIVE:

SUBCONTRACTOR:

SAMPLING METHOD:

REFERENCE POINT (RP):

ELEVATION OF RP:

JP

hand auger
ground

DEPTH (INCHES)	SAMPLE DEPTH	SAMPLE DESCRIPTION AND NOTES	PID (PPM)
0		0-12" dark brown, moist, f-m sand w/ silt, little rounded f. gravel	0.0
1			
2			
3			
4			
5			
6	Composite 0-12"	8260, 8270, 8082, PP-13 6010 @ 1320	0.0
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			

PROPORTIONS USED
AND 33-50%
SOME 20-33%
LITTLE 10-20%
TRACE 0-10%

BLOW COUNT (COHESIVE SOILS)
<2 VERY SOFT
2-4 SOFT
4-8 MEDIUM STIFF
8-15 STIFF
15-30 VERY STIFF
>30 HARD

BLOW COUNT (GRANULAR SOILS)
0-4 VERY LOOSE
4-10 LOOSE
10-30 MEDIUM DENSE
30-50 DENSE
>50 VERY DENSE

Notes:

PID used: PhotoCheck Tiger
#3



ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

BORING IDENTIFICATION:

SS-11

SITE NAME:

Cabot Sawmill

SITE LOCATION:

Cabot

INSTALLATION DATE:

2-28-18

JOB NUMBER:

230EM00128

BORING DEPTH:

1.25

ATC REPRESENTATIVE:

JP

DEPTH TO WATER:

SUBCONTRACTOR:

REMARKS:

SAMPLING METHOD:

hand auger

REFERENCE POINT (RP):

ground

ELEVATION OF RP:

DEPTH (INCHES)	SAMPLE DEPTH	SAMPLE DESCRIPTION AND NOTES	PID (PPM)
0		0-12" dark brown, f-c sand with f-c rounded gravel, brick fragments 6-12 M.	0.0
1			
2			
3			
4			
5			0.0
6	Composite 0-12"		
7		8260, 8082, PP-136010, 8270	
8		* DUPLICATE for all parameters @ 1300	0.0
9		@ 1305	
10			
11			
12			
13			
14			
15			
16			
17			
18			

PROPORTIONS USED
AND 33-50%
SOME 20-33%
LITTLE 10-20%
TRACE 0-10%

BLOW COUNT (COHESIVE SOILS)
<2 VERY SOFT
2-4 SOFT
4-8 MEDIUM STIFF
8-15 STIFF
15-30 VERY STIFF
>30 HARD

BLOW COUNT (GRANULAR SOILS)
0-4 VERY LOOSE
4-10 LOOSE
10-30 MEDIUM DENSE
30-50 DENSE
>50 VERY DENSE

Notes:

PID used:



ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

BORING IDENTIFICATION:

SITE NAME:

SITE LOCATION:

INSTALLATION DATE:

JOB NUMBER:

ATC REPRESENTATIVE:

SUBCONTRACTOR:

SAMPLING METHOD:

REFERENCE POINT (RP):

ELEVATION OF RP:

BORING DEPTH:

DEPTH TO WATER:

REMARKS:

DEPTH
(INCHES)

SAMPLE DEPTH

SAMPLE DESCRIPTION
AND NOTES

PID
(PPM)

0

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

0-12" dark brown, moist, rounded
gravelly sand, p-c, little silt,
loose

composite

0-12" for 8270, 8082, PR-136010, 8260
@ 1205

10.3

0.0

0.0

PROPORTIONS USED
AND 33-50%
SOME 20-33%
LITTLE 10-20%
TRACE 0-10%

BLOW COUNT (COHESIVE SOILS)
<2 VERY SOFT
2-4 SOFT
4-8 MEDIUM STIFF
8-15 STIFF
15-30 VERY STIFF
>30 HARD

BLOW COUNT (GRANULAR SOILS)
0-4 VERY LOOSE
4-10 LOOSE
10-30 MEDIUM DENSE
30-50 DENSE
>50 VERY DENSE

Notes:

PID used: PhotoCheck Tiger
#13

3.5.18 Onsite 930 - ME + AP (ATC)
met Nate from water + sewer to discuss
line locations

Cascade onsite - Chris A. + Nate

Start w/ up gradient well ATC-1
- pre-clear each to 5 ft + 120p diameter (5" auger)

Attempted pre-clear ATC-1, large cobbles/
ledge, could not advance past 2.5 ft
(up gradient well, to assess impacts from Derek's Store)

Installed ATC-2, screen 10-4'
riser 4-0'
1.5" PVC sand 10-3'
6 ft. screen bentonite 3-1'
WL @ 5 ft flush mount, 3/4" bolt (center)
- up gradient of shed - portion of building
developed 1/2 gal until clear went dry

ATC-4 - down gradient well, near Sawmill Rd.
screen 8.5-3.5'
1.5" PVC riser 3.5-0'
5 ft. screen sand 8.5-2.5'
WL ~ 4.5-5 ft bentonite 2.5-1
flush mount, 3/4" bolt

return to ATC-1, 4th attempt to pre-clear,
near concrete abutment of dam

- did not install - water + sewer could not
confidently say how deep or where 8" sewer and
4" force main are located

ATC-3 near southwest corner of building developed
1.5" PVC screen 7-2 riser 2-0 2.5 gal
5 ft screen sand 7-1.5 bentonite 1.5-1 with 1 clear
developed, went dry, clear, ~ 1/2 gal

1710 0830 AP, ME + Cascade

Cabat Sawmill

280EM00128

GW Sampling + Survey

- 3-13-18 ATC (JP) onsite 0930 (Tacoma)
weather - 25-30°F, 10 wind (km), heavy snow
↳ 10-20 mph north wind pm
- opened wells up + prep for survey w/ Scott Smith (LEG) - onsite 1005
 - calibrate YSI + turbidimeter

Tasks: survey ATC-2, -3 + -4, + SS-1 through -12
low-flow ATC-2, -3 + -4 for VOC's + metals

- collect DUP on ATC-~~2~~4 (for VOC + metals) JP
- include trip blank

Survey - all 8 SS + 3 wells on west side
GPS - SS-1, -2, -3 + -4
Benchmark - concrete by sewer manhole vent stickup
- tie in w/ guard rail ends + telephone pole

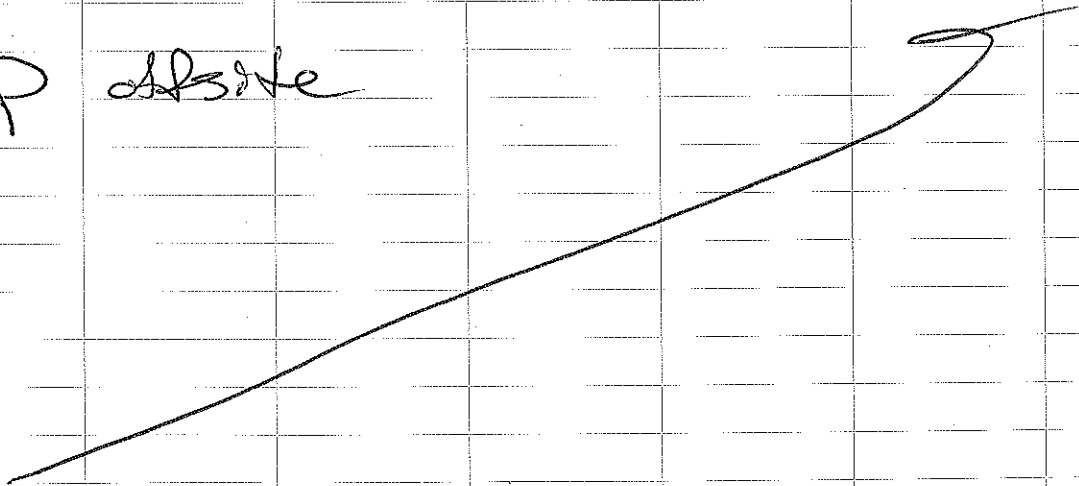
Samples - for 8260 + PP-136010

ATC-3 @ 1130 - (went dry, sampled recharge)
ATC-2 @ 1320 - ~~JP~~ DUP @ 1200 (ATC-4)
ATC-4 @ 1430 ~~JP~~

(ATC-2 was officially sampled at 1520, but left labeled as 1320) - slow recharge

1530

JP onsite



ATC Well Sampling Form – Page 1 of 2

Site Name/Location: Cabat Sawmill Date: 3.13.18

Sample I.D.: ATC-2 Collection Time 1320

Sampling Sequence: 2 of 3

EC S Field Staff Collecting This Sample: JP

Climatic Conditions (Temp/Precip): heavy snow

Depth To Product: — Feet Depth To Water: 5.70 Feet

Reference Point (TOC or other -Describe) TOC

Ref. Point Elev. Relative To Ground Surface (Use "+" For Aboveground, "-" For Belowground): — feet

Measurement Technique (WLM, IP or other -Describe) WLM

Presence/Absence Of NAPL And Detection Method: —

Total Depth Of Boring (Take Measurement After Sampling): 9.50'

Well Yield: High — Low X Pumped Dry? —

Final Water Appearance (At Sample Collection) Clear X Cloudy — Opaque —

Sample Collected from (tubing, bailer, or other-describe) tubing

Submitted For Analysis By (Method or Methods): 8260, AP-13 6010

Field Test Results (HACH Kits):

Alkalinity: — Chloride: —

Iron (II): — Sulfate: —

Notes: * DWP collected @ 1200

not enough volume for dup

JP 3.13.18

--USE REVERSE SIDE OF FORM FOR LOW FLOW SAMPLING PARAMETERS--

Last Update: Sep 2005

Low-Flow Well Sampling Form – Page 2 of 2

Location: Cabot Sawmill Depth To 3.50 / 9.50 Of Screen (Below RP)
 Well Id: ATC-2 Top Bottom
 Field Personnel: AS Pump Intake Depth: 16.50' (lowered to 9.45')
 Reference Point (RP – TOC or other-describe): TOC Pumping Device: peri-pump

Time (24 Hr)	Depth To Water (ft)	Purge Rate mL/min)	Pump Speed	Cumulative Volume Purged (L)	Temperature °C	Specific Conductance (uS/cm)	pH	ORP / eH (mV)	DO (Mg/L)	Turbidity (NTU)	Comments
1240	5.70	200	—	—	—	—	—	—	—	—	START
1245	7.30	200	—	1.0	3.4	1230	7.14	-77	4.74	13.6	
1250	8.12	200	—	2.0	3.2	1240	7.14	-73	5.18	12.0	
1255	9.40	200	—	3.0	3.5	1290	7.11	-107	3.11	12.3	
went dry; sampled recharge											
1320	SAMPLED-										
			—								
			—								
			—								
			—								

Notes:

~~2 DUP collected @ fictitious time 1200 for metals + VOC~~
 not enough volume for Dup 313.18

Last Update: Sep 2005

Stabilization Parameters: Turbidity 10% or less than 5 NTU, Dissolved Oxygen 10% or less than 0.5 mg/L, Specific Conductance 3%, Temperature 3%, pH +/- 0.1, ORP +/- 10 millivolts

ATC Well Sampling Form - Page 1 of 2

Site Name/Location: Cabot Sawmill Date: 3.3.18

Sample I.D.: ATC-3 Collection Time 1130

Sampling Sequence: 1 Of 3

EC S Field Staff Collecting This Sample: JP

Climatic Conditions (Temp/Precip): heavy snow, north wind, 30°

Depth To Product: — Feet Depth To Water: 4.00 Feet

Reference Point (TOC or other -Describe) TOC

Ref. Point Elev. Relative To Ground Surface (Use "+" For Aboveground, "-" For Belowground): — feet

Measurement Technique (WLM, IP or other -Describe) WLM

Presence/Absence Of NAPL And Detection Method: —

Total Depth Of Boring (Take Measurement After Sampling): 6.45'

Well Yield: High — Low X Pumped Dry? —

Final Water Appearance (At Sample Collection) Clear X Cloudy — Opaque —

Sample Collected from (tubing, bailer, or other-describe) tubing

Submitted For Analysis By (Method or Methods): 8260, RP-13 6010

Field Test Results (HACH Kits):

Alkalinity: — Chloride: —

Iron (II): — Sulfate: —

Notes: —

—
—
—
—
—
—
—
—
—
—

--USE REVERSE SIDE OF FORM FOR LOW FLOW SAMPLING PARAMETERS--

Low-Flow Well Sampling Form – Page 2 of 2

Location: Cabot Sawmill Depth To 2 16.45 Of Screen (Below RP)
 Well Id: ATC-3 Top Bottom
 Field Personnel: JP Pump Intake Depth: ~5.5'
 Reference Point (RP – TOC or other-describe): TOC Pumping Device: peri-pump

Time (24 Hr)	Depth To Water (ft)	Purge Rate mL/min)	Pump Speed	Cumulative Volume Purged (L)	Temperature °C	Specific Conductance (uS/cm)	pH	ORP / eH (mV)	DO (Mg/L)	Turbidity (NTU)	Comments
1105	4.00	200	—								START
1110	5.48	200	—	1.0	2.6	443	6.85	-36	8.40	9.7	
1115	Went dry ; Sample recharge										
1130	SAMPLED										
			—								
			—								
			—								
			—								
			—								
			—								
			—								

Notes:

Last Update: Sep 2005

Stabilization Parameters: Turbidity 10% or less than 5 NTU, Dissolved Oxygen 10% or less than 0.5 mg/L, Specific Conductance 3%, Temperature 3%, pH +/- 0.1, ORP +/- 10 millivolts

ATC Well Sampling Form – Page 1 of 2

Site Name/Location: Cabot Sawmill Date: 3.13.18

Sample I.D.: ATC-4 Collection Time: 1430

Sampling Sequence: 3 Of 3

EC S Field Staff Collecting This Sample: JP

Climatic Conditions (Temp/Precip): heavy snow, wind, 30°

Depth To Product: — Feet Depth To Water: 4.02 Feet

Reference Point (TOC or other -Describe) TOC

Ref. Point Elev. Relative To Ground Surface (Use "+" For Aboveground, "-" For Belowground): — feet

Measurement Technique (WLM, IP or other -Describe) WLM

Presence/Absence Of NAPL And Detection Method: —

Total Depth Of Boring (Take Measurement After Sampling): 8.20

Well Yield: High X Low — Pumped Dry? —

Final Water Appearance (At Sample Collection) Clear X Cloudy — Opaque —

Sample Collected from (tubing, bailer, or other-describe) tubing

Submitted For Analysis By (Method or Methods): 8260, PP-13 6010

Field Test Results (HACH Kits):

Alkalinity: — Chloride: —

Iron (II): — Sulfate: —

Notes: DUP collected at detection 1200

--USE REVERSE SIDE OF FORM FOR LOW FLOW SAMPLING PARAMETERS--

Last Update: Sep 2005

Low-Flow Well Sampling Form – Page 2 of 2

Location: Cabot Sandmill Depth To 3.20 / 8.20 Of Screen (Below RP)
 Well Id: ATC-4 Top Bottom
 Field Personnel: JR Pump Intake Depth: ~ 7.0'
 Reference Point (RP – TOC or other-describe): RPC Pumping Device: peri-pump

Time (24 Hr)	Depth To Water (ft)	Purge Rate mL/min)	Pump Speed	Cumulative Volume Purged (L)	Temperature °C	Specific Conductance (uS/cm)	pH	ORP / eH (mV)	DO (Mg/L)	Turbidity (NTU)	Comments
1350	4.02	200	-								START
1355	4.20	200	-	1.0	3.0	540	6.80	-54	5.74	13	
1400	4.30	200	-	2.0	3.0	571	6.77	-47	5.68	11	
1405	4.34	200	-	3.0	3.0	573	6.67	-55	5.62	34	
1410	4.36	200	-	4.0	2.9	576	6.65	-53	5.44	11	
1415	4.40	200	-	5.0	3.0	577	6.60	-53	5.30	9	
1420	4.40	200	-	6.0	3.0	578	6.59	-53	5.46	8	
1425	4.42	200	-	7.0	3.0	577	6.59	-53	5.41	9	
1430	SAMPLED		-								
			-								
			-								

Notes:

* DUP collected @ 1200

Last Update: Sep 2005

Stabilization Parameters: Turbidity 10% or less than 5 NTU, Dissolved Oxygen 10% or less than 0.5 mg/L, Specific Conductance 3%, Temperature 3%, pH +/- 0.1, ORP +/- 10 millivolts

YSI MULTIPARAMETER METER

Serial No.: 11J102837 Model No.: Pro Plus Decal No.: 3397
 Site Name: Cabot Sawmill Job No.: 280 E M00128
 Instrument is calibrated in accordance with Manufacturer's Instructions

DATE: <u>3.13.18</u>	Pre Calibration Readings	Post Calibration Readings	PM Check	Calibration STDs (lot #'s)	Signature	Remarks
Cond. mS/cm	1.400	1.400	1.411	7GB887	AP ↓ ✓	
pH=4.0	4.08	4.07	4.20	6GF703		
pH=7.0	6.82	7.05	7.07	7GB009		
pH=10.0	9.85	10.14	9.90	7GC010		
D.O. mg/l / %	11.91 / 99.1	—	10.29/98	—		
ORP mV	223.4	248.1	230.0	7GH325		
Temp C	14.0	—	15.6	—		
Baro. Press. mmHg	729.2	—	728.4	—		

(see reverse side for turbidimeter cal)

DATE:						
Cond. mS/cm						
pH=4.0						
pH=7.0						
pH=10.0						
D.O. mg/l / %						
ORP mV						
Temp C						
Baro. Press. mmHg						

Turbidimeter Calibration Check # 4042 (Geotech)

3/13/18

Cabot Sawmill

280EM00128

	standard	5.54	51.8	683
AM		5.93	58.4	703
PM		5.64	57.6	698

APPENDIX C

SOIL & GROUNDWATER LABORATORY ANALYTICAL REPORTS

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

ATC Group Services LLC.

Cabot Sawmill, Sawmill Road, Cabot, VT

280EM00128

SGS Job Number: JC61667

Sampling Date: 02/28/18

Report to:

ATC Group Services LLC.
1 Elm Street Suite 3
Waterbury, VT 05676
Johanna.Palmer@ATCAssociates.com

ATTN: Johanna Palmer

Total number of pages in report: **224**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy F. Cole

Nancy Cole
Laboratory Director

Client Service contact: Kristin Degraw 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.



May 31, 2018

Mr. Johanna Palmer
ATC Group Services LLA.
1 Elm Street Suite 3
Waterbury, VT 05676

Re: SGS North America – Dayton, NJ Jobs # JC61667 – Reissues

Dear Mr. Palmer,

The final reports for SGS jobs number JC61667 has been edited to reflect corrections to the final results. These edits have been incorporated into the revised report which is attached.

Specifically, additional compounds (Naphthalene, 1,2,4-TMB, and 1,3,5-TMB) have been retrieved and reported for samples JC61667-5 thru -14 per your request on 5/30/2018. The attached revised report incorporates these revisions.

Please contact me if I can be of further assistance in this matter.

Sincerely,

Report Department

SGS North America Inc.



CONTINUOUS SERVICE IMPROVEMENT!

Our goal is to continuously improve our service to you. Please share your ideas about how we can serve you better at EHS.US.CustomerCare@sgs.com. Your feedback is appreciated!



SGS North America Inc. Mid-Atlantic 2235 US Highway 130 Dayton, NJ 08810, USA t +1 (0)732 329 0200

Member of the SGS Group (SGS SA)

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Sample Summary

ATC Group Services LLC.

Job No: JC61667

Cabot Sawmill, Sawmill Road, Cabot, VT
Project No: 280EM00128

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC61667-1	02/28/18	15:45	JP	03/02/18	SO	Soil	SS-1
JC61667-2	02/28/18	15:25	JP	03/02/18	SO	Soil	SS-2
JC61667-3	02/28/18	15:10	JP	03/02/18	SO	Soil	SS-3
JC61667-4	02/28/18	14:50	JP	03/02/18	SO	Soil	SS-4
JC61667-5	02/28/18	14:30	JP	03/02/18	SO	Soil	SS-5
JC61667-5R	02/28/18	14:30	JP	03/02/18	SO	Soil	SS-5
JC61667-6	02/28/18	14:15	JP	03/02/18	SO	Soil	SS-6
JC61667-6R	02/28/18	14:15	JP	03/02/18	SO	Soil	SS-6
JC61667-7	02/28/18	12:30	JP	03/02/18	SO	Soil	SS-7
JC61667-7R	02/28/18	12:30	JP	03/02/18	SO	Soil	SS-7
JC61667-8	02/28/18	11:40	JP	03/02/18	SO	Soil	SS-8
JC61667-8R	02/28/18	11:40	JP	03/02/18	SO	Soil	SS-8
JC61667-9	02/28/18	13:40	JP	03/02/18	SO	Soil	SS-9

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary
(continued)

ATC Group Services LLC.

Job No: JC61667

Cabot Sawmill, Sawmill Road, Cabot, VT
Project No: 280EM00128

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC61667-9R	02/28/18	13:40	JP	03/02/18	SO	Soil	SS-9
JC61667-10	02/28/18	13:20	JP	03/02/18	SO	Soil	SS-10
JC61667-10R	02/28/18	13:20	JP	03/02/18	SO	Soil	SS-10
JC61667-11	02/28/18	13:05	JP	03/02/18	SO	Soil	SS-11
JC61667-11R	02/28/18	13:05	JP	03/02/18	SO	Soil	SS-11
JC61667-12	02/28/18	12:05	JP	03/02/18	SO	Soil	SS-12
JC61667-12R	02/28/18	12:05	JP	03/02/18	SO	Soil	SS-12
JC61667-13	02/28/18	13:00	JP	03/02/18	SO	Soil	DUP
JC61667-13R	02/28/18	13:00	JP	03/02/18	SO	Soil	DUP
JC61667-14	02/28/18	16:00	JP	03/02/18	AQ	Equipment Blank	EB
JC61667-14R	02/28/18	16:00	JP	03/02/18	AQ	Equipment Blank	EB

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: ATC Group Services LLC.

Job No JC61667

Site: Cabot Sawmill, Sawmill Road, Cabot, VT

Report Date 5/31/2018 10:13:24 A

On 03/02/2018, 14 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 2.7 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JC61667 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260C

Matrix: AQ

Batch ID: V3B6389

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC61586-5MS, JC61586-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ

Batch ID: V4D3715

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC61586-9MS, JC61586-9MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Trichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix: SO

Batch ID: V3C6477

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC61496-5MS, JC61496-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for Duplicate for cis-1,2-Dichloroethene, Methyl Acetate, Tetrachloroethene are outside control limits for sample JC61496-1DUP. RPD acceptable due to low DUP and sample concentrations.

Matrix: SO

Batch ID: V3C6478

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC61667-10RDUP, JC61667-9MS, JC61667-9RMS, JC61667-10DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for Duplicate for Acetone are outside control limits for sample JC61667-10DUP. High RPD due to possible sample nonhomogeneity.

MS Semi-volatiles By Method SW846 8270D

Matrix: AQ

Batch ID: OP10429

- All samples were extracted within the recommended method holding time.
- Sample(s) JC61659-1MS, JC61659-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JC61667-14 for Benzaldehyde: Associated CCV outside of control limits low.

Matrix: SO

Batch ID: OP10412

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC61667-1MS, JC61667-1MSD were used as the QC samples indicated.
- RPD(s) for MSD for 3,3'-Dichlorobenzidine are outside control limits for sample OP10412-MSD. Outside of in house control limits.
- JC61667-1 for Benzaldehyde: Associated CCV outside of control limits low.
- JC61667-8 for Benzaldehyde: Associated CCV outside of control limits low.
- JC61667-2 for Benzaldehyde: Associated CCV outside of control limits low.
- JC61667-9 for Benzaldehyde: Associated CCV outside of control limits low.
- JC61667-3 for Benzaldehyde: Associated CCV outside of control limits low.
- JC61667-12 for Benzaldehyde: Associated CCV outside of control limits low.
- JC61667-6 for Benzaldehyde: Associated CCV outside of control limits low.
- JC61667-10 for Benzaldehyde: Associated CCV outside of control limits low.
- JC61667-11 for Benzaldehyde: Associated CCV outside of control limits low.
- JC61667-7 for Benzaldehyde: Associated CCV outside of control limits low.
- JC61667-4 for Benzaldehyde: Associated CCV outside of control limits low.
- JC61667-5 for Benzaldehyde: Associated CCV outside of control limits low.
- JC61667-13 for Benzaldehyde: Associated CCV outside of control limits low.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: AQ

Batch ID: OP10482

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- OP10482-BSD for Aroclor 1260: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

Matrix: SO

Batch ID: OP10413

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC61657-1MS, JC61657-1MSD, OP10413-MSMSD were used as the QC samples indicated.
- JC61667-10 for Decachlorobiphenyl: Outside control limits due to matrix interference.

Metals Analysis By Method SW846 6010C

Matrix: AQ

Batch ID: MP6018

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC61628-1QMS, JC61628-1QMSD, JC61628-1QSDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Cadmium, Chromium, Copper, Silver are outside control limits for sample MP6018-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP6018-SD1 for Zinc: Serial dilution indicates possible matrix interference.

Matrix: SO

Batch ID: MP6039

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC61588-1MS, JC61588-1MSD, JC61588-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Cadmium, Chromium, Nickel are outside control limits for sample MP6039-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals Analysis By Method SW846 7470A

Matrix: AQ

Batch ID: MP6040

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC61561-1MSD, JC61561-1MS were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Mercury are outside control limits. Spike recovery indicates possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for Mercury are outside control limits. Spike recovery indicates possible matrix interference.

Metals Analysis By Method SW846 7471B

Matrix: SO

Batch ID: MP6052

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC61667-1MS, JC61667-1MSD were used as the QC samples for metals.

General Chemistry By Method SM2540 G-97

Matrix: SO

Batch ID: GN77007

- The data for SM2540 G-97 meets quality control requirements.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

Summary of Hits

Job Number: JC61667
Account: ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT
Collected: 02/28/18



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC61667-1 SS-1						
Benzaldehyde ^a		424	220	11	ug/kg	SW846 8270D
Fluoranthene		24.8 J	44	19	ug/kg	SW846 8270D
Pyrene		25.1 J	44	14	ug/kg	SW846 8270D
Arsenic		7.3	2.8		mg/kg	SW846 6010C
Beryllium		0.76	0.28		mg/kg	SW846 6010C
Chromium		41.3	1.4		mg/kg	SW846 6010C
Copper		24.6	3.5		mg/kg	SW846 6010C
Lead		26.5	2.8		mg/kg	SW846 6010C
Mercury		0.049	0.034		mg/kg	SW846 7471B
Nickel		51.0	5.6		mg/kg	SW846 6010C
Zinc		76.5	7.0		mg/kg	SW846 6010C
JC61667-2 SS-2						
Benzo(a)pyrene		21.1 J	47	21	ug/kg	SW846 8270D
Benzo(b)fluoranthene		38.0 J	47	21	ug/kg	SW846 8270D
Benzo(g,h,i)perylene		24.8 J	47	23	ug/kg	SW846 8270D
Benzaldehyde ^a		838	230	12	ug/kg	SW846 8270D
Chrysene		22.9 J	47	15	ug/kg	SW846 8270D
Fluoranthene		25.1 J	47	21	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		26.1 J	47	22	ug/kg	SW846 8270D
Pyrene		28.4 J	47	15	ug/kg	SW846 8270D
Arsenic		4.0	2.9		mg/kg	SW846 6010C
Beryllium		0.53	0.29		mg/kg	SW846 6010C
Chromium		31.7	1.4		mg/kg	SW846 6010C
Copper		24.9	3.6		mg/kg	SW846 6010C
Lead		71.0	2.9		mg/kg	SW846 6010C
Mercury		0.21	0.034		mg/kg	SW846 7471B
Nickel		30.6	5.8		mg/kg	SW846 6010C
Zinc		78.8	7.2		mg/kg	SW846 6010C
JC61667-3 SS-3						
Benzaldehyde ^a		30.2 J	240	12	ug/kg	SW846 8270D
Arsenic		3.9	2.8		mg/kg	SW846 6010C
Beryllium		0.54	0.28		mg/kg	SW846 6010C
Chromium		30.4	1.4		mg/kg	SW846 6010C
Copper		14.9	3.5		mg/kg	SW846 6010C
Lead		25.1	2.8		mg/kg	SW846 6010C
Mercury		0.036	0.036		mg/kg	SW846 7471B
Nickel		36.7	5.5		mg/kg	SW846 6010C
Zinc		41.1	6.9		mg/kg	SW846 6010C

Summary of Hits

Job Number: JC61667
Account: ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT
Collected: 02/28/18

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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JC61667-4 SS-4

Benzaldehyde ^a	402	280	14	ug/kg	SW846 8270D
Fluoranthene	32.1 J	56	25	ug/kg	SW846 8270D
Pyrene	27.5 J	56	18	ug/kg	SW846 8270D
Arsenic	7.9	3.3		mg/kg	SW846 6010C
Beryllium	0.52	0.33		mg/kg	SW846 6010C
Chromium	29.5	1.7		mg/kg	SW846 6010C
Copper	16.2	4.2		mg/kg	SW846 6010C
Lead	25.5	3.3		mg/kg	SW846 6010C
Mercury	0.036	0.033		mg/kg	SW846 7471B
Nickel	32.5	6.7		mg/kg	SW846 6010C
Zinc	67.4	8.3		mg/kg	SW846 6010C

JC61667-5 SS-5

Acetone	10.2	7.2	4.6	ug/kg	SW846 8260C
Acenaphthylene	25.6 J	39	20	ug/kg	SW846 8270D
Benzo(a)anthracene	105	39	11	ug/kg	SW846 8270D
Benzo(a)pyrene	119	39	18	ug/kg	SW846 8270D
Benzo(b)fluoranthene	135	39	17	ug/kg	SW846 8270D
Benzo(g,h,i)perylene	70.5	39	19	ug/kg	SW846 8270D
Benzo(k)fluoranthene	53.6	39	18	ug/kg	SW846 8270D
Benzaldehyde ^a	15.5 J	190	9.7	ug/kg	SW846 8270D
Chrysene	126	39	12	ug/kg	SW846 8270D
Dibenzo(a,h)anthracene	17.5 J	39	17	ug/kg	SW846 8270D
Fluoranthene	174	39	17	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	68.5	39	18	ug/kg	SW846 8270D
Phenanthrene	69.2	39	13	ug/kg	SW846 8270D
Pyrene	197	39	12	ug/kg	SW846 8270D
Arsenic	4.4	2.4		mg/kg	SW846 6010C
Beryllium	0.41	0.24		mg/kg	SW846 6010C
Chromium	29.2	1.2		mg/kg	SW846 6010C
Copper	19.2	3.0		mg/kg	SW846 6010C
Lead	28.1	2.4		mg/kg	SW846 6010C
Mercury	0.068	0.040		mg/kg	SW846 7471B
Nickel	30.7	4.9		mg/kg	SW846 6010C
Zinc	50.7	6.1		mg/kg	SW846 6010C

JC61667-5R SS-5

No hits reported in this sample.

Summary of Hits

Job Number: JC61667
Account: ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT
Collected: 02/28/18



Lab Sample ID	Client Sample ID	Result/ Analyte	RL	MDL	Units	Method
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JC61667-6 SS-6

Acetone	23.8	14	8.9	ug/kg	SW846 8260C
Benzo(a)anthracene	35.4 J	48	13	ug/kg	SW846 8270D
Benzo(a)pyrene	37.4 J	48	22	ug/kg	SW846 8270D
Benzo(b)fluoranthene	42.5 J	48	21	ug/kg	SW846 8270D
Benzaldehyde ^a	34.3 J	240	12	ug/kg	SW846 8270D
Chrysene	46.7 J	48	15	ug/kg	SW846 8270D
Fluoranthene	59.7	48	21	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	23.8 J	48	22	ug/kg	SW846 8270D
Phenanthrene	64.1	48	16	ug/kg	SW846 8270D
Pyrene	76.7	48	15	ug/kg	SW846 8270D
Arsenic	4.3	2.9		mg/kg	SW846 6010C
Beryllium	0.63	0.29		mg/kg	SW846 6010C
Chromium	33.3	1.5		mg/kg	SW846 6010C
Copper	21.5	3.7		mg/kg	SW846 6010C
Lead	45.2	2.9		mg/kg	SW846 6010C
Mercury	0.070	0.034		mg/kg	SW846 7471B
Nickel	34.4	5.9		mg/kg	SW846 6010C
Zinc	161	7.3		mg/kg	SW846 6010C

JC61667-6R SS-6

No hits reported in this sample.

JC61667-7 SS-7

Acetone	43.2	11	6.8	ug/kg	SW846 8260C
Benzo(a)anthracene	16.2 J	37	10	ug/kg	SW846 8270D
Benzo(b)fluoranthene	17.8 J	37	16	ug/kg	SW846 8270D
Chrysene	16.7 J	37	12	ug/kg	SW846 8270D
Fluoranthene	23.6 J	37	17	ug/kg	SW846 8270D
Phenanthrene	15.8 J	37	12	ug/kg	SW846 8270D
Pyrene	29.9 J	37	12	ug/kg	SW846 8270D
Arsenic	4.0	2.3		mg/kg	SW846 6010C
Beryllium	0.33	0.23		mg/kg	SW846 6010C
Chromium	18.8	1.1		mg/kg	SW846 6010C
Copper	10.2	2.9		mg/kg	SW846 6010C
Lead	15.2	2.3		mg/kg	SW846 6010C
Nickel	20.0	4.6		mg/kg	SW846 6010C
Zinc	42.0	5.7		mg/kg	SW846 6010C

JC61667-7R SS-7

No hits reported in this sample.

Summary of Hits

Job Number: JC61667
Account: ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT
Collected: 02/28/18



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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JC61667-8 SS-8

Benzaldehyde ^a	86.1 J	220	11	ug/kg	SW846 8270D
Arsenic	8.9	2.7		mg/kg	SW846 6010C
Beryllium	0.32	0.27		mg/kg	SW846 6010C
Chromium	19.8	1.3		mg/kg	SW846 6010C
Copper	14.2	3.3		mg/kg	SW846 6010C
Lead	19.5	2.7		mg/kg	SW846 6010C
Nickel	30.4	5.4		mg/kg	SW846 6010C
Zinc	56.0	6.7		mg/kg	SW846 6010C

JC61667-8R SS-8

No hits reported in this sample.

JC61667-9 SS-9

Acetone	105	15	9.3	ug/kg	SW846 8260C
Methyl Acetate	100	7.3	3.7	ug/kg	SW846 8260C
Toluene	4.4	1.5	0.80	ug/kg	SW846 8260C
m,p-Xylene	1.4 J	1.5	0.80	ug/kg	SW846 8260C
o-Xylene	0.55 J	1.5	0.37	ug/kg	SW846 8260C
Xylene (total)	2.0	1.5	0.37	ug/kg	SW846 8260C
Benzo(a)anthracene	62.7	52	15	ug/kg	SW846 8270D
Benzo(a)pyrene	64.8	52	23	ug/kg	SW846 8270D
Benzo(b)fluoranthene	99.0	52	23	ug/kg	SW846 8270D
Benzo(g,h,i)perylene	51.2 J	52	26	ug/kg	SW846 8270D
Benzo(k)fluoranthene	38.4 J	52	24	ug/kg	SW846 8270D
Benzaldehyde ^a	49.8 J	260	13	ug/kg	SW846 8270D
Chrysene	76.0	52	16	ug/kg	SW846 8270D
Fluoranthene	152	52	23	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	50.3 J	52	24	ug/kg	SW846 8270D
Phenanthrene	79.9	52	17	ug/kg	SW846 8270D
Pyrene	132	52	16	ug/kg	SW846 8270D
Arsenic	4.1	3.4		mg/kg	SW846 6010C
Beryllium	0.51	0.34		mg/kg	SW846 6010C
Chromium	49.5	1.7		mg/kg	SW846 6010C
Copper	28.7	4.3		mg/kg	SW846 6010C
Lead	36.3	3.4		mg/kg	SW846 6010C
Mercury	0.052	0.034		mg/kg	SW846 7471B
Nickel	46.0	6.8		mg/kg	SW846 6010C
Zinc	71.5	8.5		mg/kg	SW846 6010C

Summary of Hits

Job Number: JC61667
Account: ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT
Collected: 02/28/18



Lab Sample ID	Client Sample ID	Result/ Analyte	RL	MDL	Units	Method
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JC61667-9R SS-9

No hits reported in this sample.

JC61667-10 SS-10

Acetone	24.0	12	7.7	ug/kg	SW846 8260C
Acenaphthene	27.5 J	37	13	ug/kg	SW846 8270D
Acenaphthylene	171	37	19	ug/kg	SW846 8270D
Anthracene	196	37	23	ug/kg	SW846 8270D
Benzo(a)anthracene	921	37	10	ug/kg	SW846 8270D
Benzo(a)pyrene	932	37	17	ug/kg	SW846 8270D
Benzo(b)fluoranthene	1280	37	16	ug/kg	SW846 8270D
Benzo(g,h,i)perylene	605	37	18	ug/kg	SW846 8270D
Benzo(k)fluoranthene	554	37	17	ug/kg	SW846 8270D
Benzaldehyde ^a	22.7 J	180	9.1	ug/kg	SW846 8270D
Carbazole	83.8	74	5.3	ug/kg	SW846 8270D
Chrysene	1100	37	12	ug/kg	SW846 8270D
Dibenzo(a,h)anthracene	179	37	16	ug/kg	SW846 8270D
Dibenzofuran	33.6 J	74	15	ug/kg	SW846 8270D
Fluoranthene	1810	37	16	ug/kg	SW846 8270D
Fluorene	105	37	17	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	642	37	17	ug/kg	SW846 8270D
Phenanthrene	1060	37	12	ug/kg	SW846 8270D
Pyrene	1650	37	12	ug/kg	SW846 8270D
Arsenic	4.9	2.3		mg/kg	SW846 6010C
Beryllium	0.34	0.23		mg/kg	SW846 6010C
Chromium	23.5	1.1		mg/kg	SW846 6010C
Copper	14.8	2.9		mg/kg	SW846 6010C
Lead	36.1	2.3		mg/kg	SW846 6010C
Nickel	29.3	4.6		mg/kg	SW846 6010C
Zinc	59.2	5.7		mg/kg	SW846 6010C

JC61667-10R SS-10

No hits reported in this sample.

JC61667-11 SS-11

Acetone	42.9	7.9	5.1	ug/kg	SW846 8260C
Anthracene	96.4	40	25	ug/kg	SW846 8270D
Benzo(a)anthracene	401	40	11	ug/kg	SW846 8270D
Benzo(a)pyrene	391	40	18	ug/kg	SW846 8270D
Benzo(b)fluoranthene	532	40	18	ug/kg	SW846 8270D
Benzo(g,h,i)perylene	250	40	20	ug/kg	SW846 8270D

Summary of Hits

Job Number: JC61667
Account: ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT
Collected: 02/28/18

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Analyte						
Benzo(k)fluoranthene		205	40	19	ug/kg	SW846 8270D
Carbazole		19.8 J	81	5.8	ug/kg	SW846 8270D
Chrysene		453	40	13	ug/kg	SW846 8270D
Dibenzo(a,h)anthracene		77.1	40	18	ug/kg	SW846 8270D
Fluoranthene		708	40	18	ug/kg	SW846 8270D
Fluorene		29.6 J	40	19	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		260	40	19	ug/kg	SW846 8270D
Phenanthrene		327	40	14	ug/kg	SW846 8270D
Pyrene		699	40	13	ug/kg	SW846 8270D
Arsenic		4.4	2.5		mg/kg	SW846 6010C
Beryllium		0.31	0.25		mg/kg	SW846 6010C
Chromium		21.3	1.2		mg/kg	SW846 6010C
Copper		29.5	3.1		mg/kg	SW846 6010C
Lead		58.3	2.5		mg/kg	SW846 6010C
Mercury		0.041	0.040		mg/kg	SW846 7471B
Nickel		30.1	5.0		mg/kg	SW846 6010C
Zinc		105	6.2		mg/kg	SW846 6010C

JC61667-11R SS-11

No hits reported in this sample.

JC61667-12 SS-12

Acetone	24.9	12	7.4	ug/kg	SW846 8260C
m,p-Xylene	1.0 J	1.2	0.63	ug/kg	SW846 8260C
o-Xylene	0.45 J	1.2	0.29	ug/kg	SW846 8260C
Xylene (total)	1.5	1.2	0.29	ug/kg	SW846 8260C
Butyl benzyl phthalate	21.8 J	78	9.5	ug/kg	SW846 8270D
Arsenic	9.1	2.4		mg/kg	SW846 6010C
Beryllium	0.64	0.24		mg/kg	SW846 6010C
Chromium	43.0	1.2		mg/kg	SW846 6010C
Copper	21.1	3.0		mg/kg	SW846 6010C
Lead	18.7	2.4		mg/kg	SW846 6010C
Nickel	50.4	4.9		mg/kg	SW846 6010C
Zinc	54.3	6.1		mg/kg	SW846 6010C

JC61667-12R SS-12

No hits reported in this sample.

JC61667-13 DUP

Acetone	8.5	8.5	5.5	ug/kg	SW846 8260C
Acenaphthylene	99.3	41	21	ug/kg	SW846 8270D

Summary of Hits

Page 7 of 7

Job Number: JC61667
Account: ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT
Collected: 02/28/18



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Anthracene		98.6	41	25	ug/kg	SW846 8270D
Benzo(a)anthracene		407	41	12	ug/kg	SW846 8270D
Benzo(a)pyrene		406	41	19	ug/kg	SW846 8270D
Benzo(b)fluoranthene		524	41	18	ug/kg	SW846 8270D
Benzo(g,h,i)perylene		261	41	20	ug/kg	SW846 8270D
Benzo(k)fluoranthene		224	41	19	ug/kg	SW846 8270D
Benzaldehyde ^a		22.0 J	200	10	ug/kg	SW846 8270D
Carbazole		20.6 J	82	5.9	ug/kg	SW846 8270D
Chrysene		476	41	13	ug/kg	SW846 8270D
Dibenzo(a,h)anthracene		69.7	41	18	ug/kg	SW846 8270D
Fluoranthene		734	41	18	ug/kg	SW846 8270D
Fluorene		32.0 J	41	19	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		267	41	19	ug/kg	SW846 8270D
Phenanthrene		394	41	14	ug/kg	SW846 8270D
Pyrene		731	41	13	ug/kg	SW846 8270D
Arsenic		5.0	2.6		mg/kg	SW846 6010C
Beryllium		0.36	0.26		mg/kg	SW846 6010C
Chromium		37.3	1.3		mg/kg	SW846 6010C
Copper		22.9	3.2		mg/kg	SW846 6010C
Lead		58.0	2.6		mg/kg	SW846 6010C
Nickel		36.0	5.1		mg/kg	SW846 6010C
Zinc		114	6.4		mg/kg	SW846 6010C

JC61667-13R DUP

No hits reported in this sample.

JC61667-14 EB

Acetone	8.0 J	10	5.0	ug/l	SW846 8260C
Chloroform	1.3	1.0	0.29	ug/l	SW846 8260C
Toluene	0.59 J	1.0	0.25	ug/l	SW846 8260C

JC61667-14R EB

No hits reported in this sample.

(a) Associated CCV outside of control limits low.



Dayton, NJ

Section 4

4

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS-1	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-1	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	71.9
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M144404.D	1	03/04/18 13:50	KLS	03/03/18 05:35	OP10412	EM6129
Run #2							

Run #	Initial Weight	Final Volume
Run #1	31.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	87	22	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	220	27	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	220	37	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	220	78	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	220	160	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	220	47	ug/kg	
95-48-7	2-Methylphenol	ND	87	28	ug/kg	
	3&4-Methylphenol	ND	87	36	ug/kg	
88-75-5	2-Nitrophenol	ND	220	29	ug/kg	
100-02-7	4-Nitrophenol	ND	440	120	ug/kg	
87-86-5	Pentachlorophenol	ND	170	41	ug/kg	
108-95-2	Phenol	ND	87	23	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	220	29	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	220	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	220	26	ug/kg	
83-32-9	Acenaphthene	ND	44	15	ug/kg	
208-96-8	Acenaphthylene	ND	44	22	ug/kg	
98-86-2	Acetophenone	ND	220	9.4	ug/kg	
120-12-7	Anthracene	ND	44	27	ug/kg	
1912-24-9	Atrazine	ND	87	19	ug/kg	
56-55-3	Benzo(a)anthracene	ND	44	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	44	20	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	44	19	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	44	22	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	44	20	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	87	17	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	87	11	ug/kg	
92-52-4	1,1'-Biphenyl	ND	87	6.0	ug/kg	
100-52-7	Benzaldehyde ^a	424	220	11	ug/kg	
91-58-7	2-Chloronaphthalene	ND	87	10	ug/kg	
106-47-8	4-Chloroaniline	ND	220	16	ug/kg	
86-74-8	Carbazole	ND	87	6.3	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-1	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-1	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	71.9
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	87	17	ug/kg	
218-01-9	Chrysene	ND	44	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	87	9.3	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	87	19	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	87	16	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	87	14	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	44	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	44	22	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	87	36	ug/kg	
123-91-1	1,4-Dioxane	ND	44	29	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	44	19	ug/kg	
132-64-9	Dibenzofuran	ND	87	18	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	87	7.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	87	11	ug/kg	
84-66-2	Diethyl phthalate	ND	87	9.3	ug/kg	
131-11-3	Dimethyl phthalate	ND	87	7.8	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	87	10	ug/kg	
206-44-0	Fluoranthene	24.8	44	19	ug/kg	J
86-73-7	Fluorene	ND	44	20	ug/kg	
118-74-1	Hexachlorobenzene	ND	87	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	44	18	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	440	17	ug/kg	
67-72-1	Hexachloroethane	ND	220	22	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	44	20	ug/kg	
78-59-1	Isophorone	ND	87	9.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	44	9.9	ug/kg	
88-74-4	2-Nitroaniline	ND	220	10	ug/kg	
99-09-2	3-Nitroaniline	ND	220	11	ug/kg	
100-01-6	4-Nitroaniline	ND	220	11	ug/kg	
91-20-3	Naphthalene	ND	44	12	ug/kg	
98-95-3	Nitrobenzene	ND	87	17	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	87	13	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	220	16	ug/kg	
85-01-8	Phenanthrene	ND	44	15	ug/kg	
129-00-0	Pyrene	25.1	44	14	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	220	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		23-115%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-1	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-1	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	71.9
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	63%		27-114%
118-79-6	2,4,6-Tribromophenol	78%		19-152%
4165-60-0	Nitrobenzene-d5	71%		26-134%
321-60-8	2-Fluorobiphenyl	75%		39-124%
1718-51-0	Terphenyl-d14	78%		36-134%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-1	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-1	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	71.9
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.8	2.8	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Arsenic	7.3	2.8	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Beryllium	0.76	0.28	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.70	0.70	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Chromium	41.3	1.4	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Copper	24.6	3.5	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Lead	26.5	2.8	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Mercury	0.049	0.034	mg/kg	1	03/06/18	03/06/18	JPM	SW846 7471B ¹ SW846 7471B ⁴
Nickel	51.0	5.6	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Selenium	< 2.8	2.8	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Silver	< 0.70	0.70	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Thallium	< 1.4	1.4	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Zinc	76.5	7.0	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³

- (1) Instrument QC Batch: MA43942
- (2) Instrument QC Batch: MA43949
- (3) Prep QC Batch: MP6039
- (4) Prep QC Batch: MP6052

RL = Reporting Limit

4.1
4

Report of Analysis

Client Sample ID:	SS-2	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-2	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	67.3
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M144405.D	1	03/04/18 14:20	KLS	03/03/18 05:35	OP10412	EM6129
Run #2							

Run #	Initial Weight	Final Volume
Run #1	31.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	93	23	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	230	29	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	230	40	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	230	83	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	230	180	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	230	50	ug/kg	
95-48-7	2-Methylphenol	ND	93	30	ug/kg	
	3&4-Methylphenol	ND	93	38	ug/kg	
88-75-5	2-Nitrophenol	ND	230	31	ug/kg	
100-02-7	4-Nitrophenol	ND	470	120	ug/kg	
87-86-5	Pentachlorophenol	ND	190	44	ug/kg	
108-95-2	Phenol	ND	93	24	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	230	31	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	230	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	230	28	ug/kg	
83-32-9	Acenaphthene	ND	47	16	ug/kg	
208-96-8	Acenaphthylene	ND	47	24	ug/kg	
98-86-2	Acetophenone	ND	230	10	ug/kg	
120-12-7	Anthracene	ND	47	29	ug/kg	
1912-24-9	Atrazine	ND	93	20	ug/kg	
56-55-3	Benzo(a)anthracene	ND	47	13	ug/kg	
50-32-8	Benzo(a)pyrene	21.1	47	21	ug/kg	J
205-99-2	Benzo(b)fluoranthene	38.0	47	21	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	24.8	47	23	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	47	22	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	93	18	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	93	11	ug/kg	
92-52-4	1,1'-Biphenyl	ND	93	6.4	ug/kg	
100-52-7	Benzaldehyde ^a	838	230	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	93	11	ug/kg	
106-47-8	4-Chloroaniline	ND	230	17	ug/kg	
86-74-8	Carbazole	ND	93	6.8	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-2	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-2	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	67.3
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	93	18	ug/kg	
218-01-9	Chrysene	22.9	47	15	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	93	10	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	93	20	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	93	17	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	93	15	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	47	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	47	23	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	93	39	ug/kg	
123-91-1	1,4-Dioxane	ND	47	31	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	47	21	ug/kg	
132-64-9	Dibenzofuran	ND	93	19	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	93	7.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	93	12	ug/kg	
84-66-2	Diethyl phthalate	ND	93	10	ug/kg	
131-11-3	Dimethyl phthalate	ND	93	8.3	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	93	11	ug/kg	
206-44-0	Fluoranthene	25.1	47	21	ug/kg	J
86-73-7	Fluorene	ND	47	21	ug/kg	
118-74-1	Hexachlorobenzene	ND	93	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	47	19	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	470	19	ug/kg	
67-72-1	Hexachloroethane	ND	230	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	26.1	47	22	ug/kg	J
78-59-1	Isophorone	ND	93	10	ug/kg	
91-57-6	2-Methylnaphthalene	ND	47	11	ug/kg	
88-74-4	2-Nitroaniline	ND	230	11	ug/kg	
99-09-2	3-Nitroaniline	ND	230	12	ug/kg	
100-01-6	4-Nitroaniline	ND	230	12	ug/kg	
91-20-3	Naphthalene	ND	47	13	ug/kg	
98-95-3	Nitrobenzene	ND	93	18	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	93	14	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	230	17	ug/kg	
85-01-8	Phenanthrene	ND	47	16	ug/kg	
129-00-0	Pyrene	28.4	47	15	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	230	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%		23-115%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-2	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-2	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	67.3
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	60%		27-114%
118-79-6	2,4,6-Tribromophenol	69%		19-152%
4165-60-0	Nitrobenzene-d5	69%		26-134%
321-60-8	2-Fluorobiphenyl	67%		39-124%
1718-51-0	Terphenyl-d14	71%		36-134%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-2	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-2	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	67.3
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Antimony	< 2.9	2.9	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Arsenic	4.0	2.9	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Beryllium	0.53	0.29	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.72	0.72	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Chromium	31.7	1.4	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Copper	24.9	3.6	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Lead	71.0	2.9	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Mercury	0.21	0.034	mg/kg	1	03/06/18	03/06/18	JPM	SW846 7471B ¹ SW846 7471B ⁴
Nickel	30.6	5.8	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Selenium	< 2.9	2.9	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Silver	< 0.72	0.72	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Thallium	< 1.4	1.4	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Zinc	78.8	7.2	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³

- (1) Instrument QC Batch: MA43942
- (2) Instrument QC Batch: MA43949
- (3) Prep QC Batch: MP6039
- (4) Prep QC Batch: MP6052

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS-3	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-3	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	69.5
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M144406.D	1	03/04/18 14:50	KLS	03/03/18 05:35	OP10412	EM6129
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	95	24	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	240	29	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	240	41	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	240	85	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	240	180	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	240	51	ug/kg	
95-48-7	2-Methylphenol	ND	95	30	ug/kg	
	3&4-Methylphenol	ND	95	39	ug/kg	
88-75-5	2-Nitrophenol	ND	240	31	ug/kg	
100-02-7	4-Nitrophenol	ND	480	130	ug/kg	
87-86-5	Pentachlorophenol	ND	190	45	ug/kg	
108-95-2	Phenol	ND	95	25	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	240	32	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	240	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	240	28	ug/kg	
83-32-9	Acenaphthene	ND	48	16	ug/kg	
208-96-8	Acenaphthylene	ND	48	24	ug/kg	
98-86-2	Acetophenone	ND	240	10	ug/kg	
120-12-7	Anthracene	ND	48	29	ug/kg	
1912-24-9	Atrazine	ND	95	20	ug/kg	
56-55-3	Benzo(a)anthracene	ND	48	13	ug/kg	
50-32-8	Benzo(a)pyrene	ND	48	22	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	48	21	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	48	24	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	48	22	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	95	18	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	95	12	ug/kg	
92-52-4	1,1'-Biphenyl	ND	95	6.5	ug/kg	
100-52-7	Benzaldehyde ^a	30.2	240	12	ug/kg	J
91-58-7	2-Chloronaphthalene	ND	95	11	ug/kg	
106-47-8	4-Chloroaniline	ND	240	17	ug/kg	
86-74-8	Carbazole	ND	95	6.9	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-3	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-3	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	69.5
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	95	19	ug/kg	
218-01-9	Chrysene	ND	48	15	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	95	10	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	95	21	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	95	17	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	95	15	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	48	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	48	24	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	95	40	ug/kg	
123-91-1	1,4-Dioxane	ND	48	31	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	48	21	ug/kg	
132-64-9	Dibenzofuran	ND	95	19	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	95	7.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	95	12	ug/kg	
84-66-2	Diethyl phthalate	ND	95	10	ug/kg	
131-11-3	Dimethyl phthalate	ND	95	8.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	95	11	ug/kg	
206-44-0	Fluoranthene	ND	48	21	ug/kg	
86-73-7	Fluorene	ND	48	22	ug/kg	
118-74-1	Hexachlorobenzene	ND	95	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	48	19	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	480	19	ug/kg	
67-72-1	Hexachloroethane	ND	240	24	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	48	22	ug/kg	
78-59-1	Isophorone	ND	95	10	ug/kg	
91-57-6	2-Methylnaphthalene	ND	48	11	ug/kg	
88-74-4	2-Nitroaniline	ND	240	11	ug/kg	
99-09-2	3-Nitroaniline	ND	240	12	ug/kg	
100-01-6	4-Nitroaniline	ND	240	12	ug/kg	
91-20-3	Naphthalene	ND	48	13	ug/kg	
98-95-3	Nitrobenzene	ND	95	18	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	95	14	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	240	17	ug/kg	
85-01-8	Phenanthrene	ND	48	16	ug/kg	
129-00-0	Pyrene	ND	48	15	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	240	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		23-115%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-3	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-3	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	69.5
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	65%		27-114%
118-79-6	2,4,6-Tribromophenol	74%		19-152%
4165-60-0	Nitrobenzene-d5	71%		26-134%
321-60-8	2-Fluorobiphenyl	70%		39-124%
1718-51-0	Terphenyl-d14	74%		36-134%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-3	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-3	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	69.5
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.8	2.8	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Arsenic	3.9	2.8	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Beryllium	0.54	0.28	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.69	0.69	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Chromium	30.4	1.4	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Copper	14.9	3.5	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Lead	25.1	2.8	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Mercury	0.036	0.036	mg/kg	1	03/06/18	03/06/18	JPM	SW846 7471B ¹ SW846 7471B ⁴
Nickel	36.7	5.5	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Selenium	< 2.8	2.8	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Silver	< 0.69	0.69	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Thallium	< 1.4	1.4	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Zinc	41.1	6.9	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³

- (1) Instrument QC Batch: MA43942
- (2) Instrument QC Batch: MA43949
- (3) Prep QC Batch: MP6039
- (4) Prep QC Batch: MP6052

RL = Reporting Limit

4.3
4

Report of Analysis

Client Sample ID:	SS-4	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-4	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	58.9
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M144407.D	1	03/04/18 15:20	KLS	03/03/18 05:35	OP10412	EM6129
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	110	28	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	280	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	280	48	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	280	100	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	280	210	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	280	60	ug/kg	
95-48-7	2-Methylphenol	ND	110	36	ug/kg	
	3&4-Methylphenol	ND	110	46	ug/kg	
88-75-5	2-Nitrophenol	ND	280	37	ug/kg	
100-02-7	4-Nitrophenol	ND	560	150	ug/kg	
87-86-5	Pentachlorophenol	ND	220	53	ug/kg	
108-95-2	Phenol	ND	110	29	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	280	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	280	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	280	34	ug/kg	
83-32-9	Acenaphthene	ND	56	19	ug/kg	
208-96-8	Acenaphthylene	ND	56	29	ug/kg	
98-86-2	Acetophenone	ND	280	12	ug/kg	
120-12-7	Anthracene	ND	56	34	ug/kg	
1912-24-9	Atrazine	ND	110	24	ug/kg	
56-55-3	Benzo(a)anthracene	ND	56	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	56	26	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	56	25	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	56	28	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	56	26	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	110	22	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	110	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	110	7.7	ug/kg	
100-52-7	Benzaldehyde ^a	402	280	14	ug/kg	
91-58-7	2-Chloronaphthalene	ND	110	13	ug/kg	
106-47-8	4-Chloroaniline	ND	280	20	ug/kg	
86-74-8	Carbazole	ND	110	8.2	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-4	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-4	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	58.9
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	110	22	ug/kg	
218-01-9	Chrysene	ND	56	18	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	110	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	110	24	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	110	20	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	110	18	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	56	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	56	28	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	110	47	ug/kg	
123-91-1	1,4-Dioxane	ND	56	37	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	56	25	ug/kg	
132-64-9	Dibenzofuran	ND	110	23	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	110	9.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	110	14	ug/kg	
84-66-2	Diethyl phthalate	ND	110	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	110	10	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	110	13	ug/kg	
206-44-0	Fluoranthene	32.1	56	25	ug/kg	J
86-73-7	Fluorene	ND	56	26	ug/kg	
118-74-1	Hexachlorobenzene	ND	110	14	ug/kg	
87-68-3	Hexachlorobutadiene	ND	56	23	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	560	22	ug/kg	
67-72-1	Hexachloroethane	ND	280	28	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	56	26	ug/kg	
78-59-1	Isophorone	ND	110	12	ug/kg	
91-57-6	2-Methylnaphthalene	ND	56	13	ug/kg	
88-74-4	2-Nitroaniline	ND	280	13	ug/kg	
99-09-2	3-Nitroaniline	ND	280	14	ug/kg	
100-01-6	4-Nitroaniline	ND	280	15	ug/kg	
91-20-3	Naphthalene	ND	56	16	ug/kg	
98-95-3	Nitrobenzene	ND	110	22	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	110	16	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	280	21	ug/kg	
85-01-8	Phenanthrene	ND	56	19	ug/kg	
129-00-0	Pyrene	27.5	56	18	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	280	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%		23-115%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-4	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-4	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	58.9
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	55%		27-114%
118-79-6	2,4,6-Tribromophenol	63%		19-152%
4165-60-0	Nitrobenzene-d5	64%		26-134%
321-60-8	2-Fluorobiphenyl	62%		39-124%
1718-51-0	Terphenyl-d14	63%		36-134%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-4	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-4	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	58.9
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Antimony	< 3.3	3.3	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Arsenic	7.9	3.3	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Beryllium	0.52	0.33	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.83	0.83	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Chromium	29.5	1.7	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Copper	16.2	4.2	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Lead	25.5	3.3	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Mercury	0.036	0.033	mg/kg	1	03/06/18	03/06/18	JPM	SW846 7471B ¹ SW846 7471B ⁴
Nickel	32.5	6.7	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Selenium	< 3.3	3.3	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Silver	< 0.83	0.83	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Thallium	< 1.7	1.7	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Zinc	67.4	8.3	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³

- (1) Instrument QC Batch: MA43942
- (2) Instrument QC Batch: MA43949
- (3) Prep QC Batch: MP6039
- (4) Prep QC Batch: MP6052

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS-5	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-5	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C143056.D	1	03/05/18 19:39	PS	n/a	n/a	V3C6477
Run #2							

	Initial Weight
Run #1	8.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10.2	7.2	4.6	ug/kg	
71-43-2	Benzene	ND	0.36	0.078	ug/kg	
74-97-5	Bromochloromethane	ND	3.6	0.32	ug/kg	
75-27-4	Bromodichloromethane	ND	1.4	0.18	ug/kg	
75-25-2	Bromoform	ND	3.6	0.23	ug/kg	
74-83-9	Bromomethane	ND	3.6	0.51	ug/kg	
78-93-3	2-Butanone (MEK)	ND	7.2	3.8	ug/kg	
75-15-0	Carbon disulfide	ND	1.4	0.44	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.4	0.47	ug/kg	
108-90-7	Chlorobenzene	ND	1.4	0.21	ug/kg	
75-00-3	Chloroethane	ND	3.6	0.65	ug/kg	
67-66-3	Chloroform	ND	1.4	0.23	ug/kg	
74-87-3	Chloromethane	ND	3.6	0.71	ug/kg	
110-82-7	Cyclohexane	ND	1.4	0.25	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.4	0.49	ug/kg	
124-48-1	Dibromochloromethane	ND	1.4	0.28	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.72	0.18	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.72	0.37	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.72	0.21	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.72	0.35	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3.6	0.44	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.72	0.19	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.72	0.13	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.72	0.51	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.72	0.29	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.72	0.42	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.4	0.29	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.4	0.28	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	0.17	ug/kg	
100-41-4	Ethylbenzene	ND	0.72	0.21	ug/kg	
76-13-1	Freon 113	ND	3.6	0.49	ug/kg	
591-78-6	2-Hexanone	ND	3.6	2.0	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-5	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-5	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.4	0.18	ug/kg	
79-20-9	Methyl Acetate	ND	3.6	1.8	ug/kg	
108-87-2	Methylcyclohexane	ND	1.4	0.40	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.72	0.31	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3.6	1.3	ug/kg	
75-09-2	Methylene chloride	ND	3.6	1.8	ug/kg	
100-42-5	Styrene	ND	1.4	0.36	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.4	0.18	ug/kg	
127-18-4	Tetrachloroethene	ND	1.4	0.46	ug/kg	
108-88-3	Toluene	ND	0.72	0.40	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3.6	0.72	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3.6	0.72	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.4	0.42	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.4	0.30	ug/kg	
79-01-6	Trichloroethene	ND	0.72	0.40	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3.6	0.35	ug/kg	
75-01-4	Vinyl chloride	ND	1.4	0.55	ug/kg	
	m,p-Xylene	ND	0.72	0.40	ug/kg	
95-47-6	o-Xylene	ND	0.72	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	0.72	0.18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		75-127%
17060-07-0	1,2-Dichloroethane-D4	100%		75-130%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	102%		79-127%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-5	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-5	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M144408.D	1	03/04/18 15:50	KLS	03/03/18 05:35	OP10412	EM6129
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	78	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	24	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	69	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	42	ug/kg	
95-48-7	2-Methylphenol	ND	78	25	ug/kg	
	3&4-Methylphenol	ND	78	32	ug/kg	
88-75-5	2-Nitrophenol	ND	190	26	ug/kg	
100-02-7	4-Nitrophenol	ND	390	100	ug/kg	
87-86-5	Pentachlorophenol	ND	160	37	ug/kg	
108-95-2	Phenol	ND	78	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	29	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	23	ug/kg	
83-32-9	Acenaphthene	ND	39	13	ug/kg	
208-96-8	Acenaphthylene	25.6	39	20	ug/kg	J
98-86-2	Acetophenone	ND	190	8.4	ug/kg	
120-12-7	Anthracene	ND	39	24	ug/kg	
1912-24-9	Atrazine	ND	78	17	ug/kg	
56-55-3	Benzo(a)anthracene	105	39	11	ug/kg	
50-32-8	Benzo(a)pyrene	119	39	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	135	39	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	70.5	39	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	53.6	39	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	78	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	78	9.5	ug/kg	
92-52-4	1,1'-Biphenyl	ND	78	5.3	ug/kg	
100-52-7	Benzaldehyde ^a	15.5	190	9.7	ug/kg	J
91-58-7	2-Chloronaphthalene	ND	78	9.3	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	ND	78	5.6	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-5	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-5	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	78	15	ug/kg	
218-01-9	Chrysene	126	39	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	78	8.3	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	78	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	78	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	78	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	39	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	39	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	78	32	ug/kg	
123-91-1	1,4-Dioxane	ND	39	26	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	17.5	39	17	ug/kg	J
132-64-9	Dibenzofuran	ND	78	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	78	6.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	78	9.7	ug/kg	
84-66-2	Diethyl phthalate	ND	78	8.3	ug/kg	
131-11-3	Dimethyl phthalate	ND	78	6.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	78	9.1	ug/kg	
206-44-0	Fluoranthene	174	39	17	ug/kg	
86-73-7	Fluorene	ND	39	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	78	9.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	390	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	68.5	39	18	ug/kg	
78-59-1	Isophorone	ND	78	8.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	39	8.8	ug/kg	
88-74-4	2-Nitroaniline	ND	190	9.2	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.7	ug/kg	
100-01-6	4-Nitroaniline	ND	190	10	ug/kg	
91-20-3	Naphthalene	ND	39	11	ug/kg	
98-95-3	Nitrobenzene	ND	78	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	78	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	69.2	39	13	ug/kg	
129-00-0	Pyrene	197	39	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		23-115%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-5	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-5	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	64%		27-114%
118-79-6	2,4,6-Tribromophenol	78%		19-152%
4165-60-0	Nitrobenzene-d5	68%		26-134%
321-60-8	2-Fluorobiphenyl	74%		39-124%
1718-51-0	Terphenyl-d14	79%		36-134%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.5
4

Report of Analysis

Client Sample ID:	SS-5	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-5	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	83.1
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Antimony	< 2.4	2.4	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Arsenic	4.4	2.4	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Beryllium	0.41	0.24	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.61	0.61	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Chromium	29.2	1.2	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Copper	19.2	3.0	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Lead	28.1	2.4	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Mercury	0.068	0.040	mg/kg	1	03/06/18	03/06/18	JPM	SW846 7471B ¹ SW846 7471B ⁴
Nickel	30.7	4.9	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Selenium	< 2.4	2.4	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Silver	< 0.61	0.61	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Thallium	< 1.2	1.2	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Zinc	50.7	6.1	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³

- (1) Instrument QC Batch: MA43942
- (2) Instrument QC Batch: MA43949
- (3) Prep QC Batch: MP6039
- (4) Prep QC Batch: MP6052

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS-5						
Lab Sample ID:	JC61667-5R					Date Sampled:	02/28/18
Matrix:	SO - Soil					Date Received:	03/02/18
Method:	SW846 8260C					Percent Solids:	83.1
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C143056R.D	1	03/05/18 19:39	PS	n/a	n/a	V3C6477
Run #2							

	Initial Weight
Run #1	8.3 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	3.6	1.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	1.4	0.72	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	1.4	0.72	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		75-127%
17060-07-0	1,2-Dichloroethane-D4	100%		75-130%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	102%		79-127%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-6	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-6	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	68.2
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C143055.D	1	03/05/18 19:14	PS	n/a	n/a	V3C6477
Run #2							

	Initial Weight
Run #1	5.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	23.8	14	8.9	ug/kg	
71-43-2	Benzene	ND	0.69	0.15	ug/kg	
74-97-5	Bromochloromethane	ND	6.9	0.60	ug/kg	
75-27-4	Bromodichloromethane	ND	2.8	0.34	ug/kg	
75-25-2	Bromoform	ND	6.9	0.43	ug/kg	
74-83-9	Bromomethane	ND	6.9	0.97	ug/kg	
78-93-3	2-Butanone (MEK)	ND	14	7.2	ug/kg	
75-15-0	Carbon disulfide	ND	2.8	0.84	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.8	0.90	ug/kg	
108-90-7	Chlorobenzene	ND	2.8	0.40	ug/kg	
75-00-3	Chloroethane	ND	6.9	1.2	ug/kg	
67-66-3	Chloroform	ND	2.8	0.45	ug/kg	
74-87-3	Chloromethane	ND	6.9	1.4	ug/kg	
110-82-7	Cyclohexane	ND	2.8	0.47	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.8	0.93	ug/kg	
124-48-1	Dibromochloromethane	ND	2.8	0.53	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.4	0.34	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.4	0.71	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.4	0.40	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.4	0.66	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.9	0.84	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.4	0.36	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.25	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.4	0.98	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.4	0.56	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.81	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.8	0.55	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.8	0.53	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.8	0.33	ug/kg	
100-41-4	Ethylbenzene	ND	1.4	0.40	ug/kg	
76-13-1	Freon 113	ND	6.9	0.93	ug/kg	
591-78-6	2-Hexanone	ND	6.9	3.9	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-6	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-6	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	68.2
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.8	0.34	ug/kg	
79-20-9	Methyl Acetate	ND	6.9	3.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.8	0.76	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.4	0.59	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.9	2.5	ug/kg	
75-09-2	Methylene chloride	ND	6.9	3.5	ug/kg	
100-42-5	Styrene	ND	2.8	0.69	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.8	0.35	ug/kg	
127-18-4	Tetrachloroethene	ND	2.8	0.88	ug/kg	
108-88-3	Toluene	ND	1.4	0.76	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.9	1.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.9	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.8	0.80	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.8	0.58	ug/kg	
79-01-6	Trichloroethene	ND	1.4	0.76	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.9	0.66	ug/kg	
75-01-4	Vinyl chloride	ND	2.8	1.1	ug/kg	
	m,p-Xylene	ND	1.4	0.76	ug/kg	
95-47-6	o-Xylene	ND	1.4	0.35	ug/kg	
1330-20-7	Xylene (total)	ND	1.4	0.35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		75-127%
17060-07-0	1,2-Dichloroethane-D4	101%		75-130%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	104%		79-127%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-6	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-6	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	68.2
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M144409.D	1	03/04/18 16:20	KLS	03/03/18 05:35	OP10412	EM6129
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	95	24	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	240	29	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	240	41	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	240	85	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	240	180	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	240	51	ug/kg	
95-48-7	2-Methylphenol	ND	95	30	ug/kg	
	3&4-Methylphenol	ND	95	39	ug/kg	
88-75-5	2-Nitrophenol	ND	240	31	ug/kg	
100-02-7	4-Nitrophenol	ND	480	130	ug/kg	
87-86-5	Pentachlorophenol	ND	190	45	ug/kg	
108-95-2	Phenol	ND	95	25	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	240	32	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	240	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	240	28	ug/kg	
83-32-9	Acenaphthene	ND	48	16	ug/kg	
208-96-8	Acenaphthylene	ND	48	24	ug/kg	
98-86-2	Acetophenone	ND	240	10	ug/kg	
120-12-7	Anthracene	ND	48	29	ug/kg	
1912-24-9	Atrazine	ND	95	20	ug/kg	
56-55-3	Benzo(a)anthracene	35.4	48	13	ug/kg	J
50-32-8	Benzo(a)pyrene	37.4	48	22	ug/kg	J
205-99-2	Benzo(b)fluoranthene	42.5	48	21	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	48	24	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	48	22	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	95	18	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	95	12	ug/kg	
92-52-4	1,1'-Biphenyl	ND	95	6.5	ug/kg	
100-52-7	Benzaldehyde ^a	34.3	240	12	ug/kg	J
91-58-7	2-Chloronaphthalene	ND	95	11	ug/kg	
106-47-8	4-Chloroaniline	ND	240	17	ug/kg	
86-74-8	Carbazole	ND	95	6.9	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-6	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-6	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	68.2
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	95	19	ug/kg	
218-01-9	Chrysene	46.7	48	15	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	95	10	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	95	21	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	95	17	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	95	15	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	48	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	48	24	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	95	40	ug/kg	
123-91-1	1,4-Dioxane	ND	48	31	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	48	21	ug/kg	
132-64-9	Dibenzofuran	ND	95	19	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	95	7.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	95	12	ug/kg	
84-66-2	Diethyl phthalate	ND	95	10	ug/kg	
131-11-3	Dimethyl phthalate	ND	95	8.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	95	11	ug/kg	
206-44-0	Fluoranthene	59.7	48	21	ug/kg	
86-73-7	Fluorene	ND	48	22	ug/kg	
118-74-1	Hexachlorobenzene	ND	95	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	48	19	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	480	19	ug/kg	
67-72-1	Hexachloroethane	ND	240	24	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	23.8	48	22	ug/kg	J
78-59-1	Isophorone	ND	95	10	ug/kg	
91-57-6	2-Methylnaphthalene	ND	48	11	ug/kg	
88-74-4	2-Nitroaniline	ND	240	11	ug/kg	
99-09-2	3-Nitroaniline	ND	240	12	ug/kg	
100-01-6	4-Nitroaniline	ND	240	12	ug/kg	
91-20-3	Naphthalene	ND	48	13	ug/kg	
98-95-3	Nitrobenzene	ND	95	18	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	95	14	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	240	17	ug/kg	
85-01-8	Phenanthrene	64.1	48	16	ug/kg	
129-00-0	Pyrene	76.7	48	15	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	240	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		23-115%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-6	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-6	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	68.2
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	57%		27-114%
118-79-6	2,4,6-Tribromophenol	64%		19-152%
4165-60-0	Nitrobenzene-d5	59%		26-134%
321-60-8	2-Fluorobiphenyl	63%		39-124%
1718-51-0	Terphenyl-d14	65%		36-134%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-6	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-6	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	68.2
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Antimony	< 2.9	2.9	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Arsenic	4.3	2.9	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Beryllium	0.63	0.29	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Cadmium	< 0.73	0.73	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Chromium	33.3	1.5	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Copper	21.5	3.7	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Lead	45.2	2.9	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Mercury	0.070	0.034	mg/kg	1	03/06/18	03/06/18 JPM	SW846 7471B ¹	SW846 7471B ⁴
Nickel	34.4	5.9	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Selenium	< 2.9	2.9	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Silver	< 0.73	0.73	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Thallium	< 1.5	1.5	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Zinc	161	7.3	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³

- (1) Instrument QC Batch: MA43942
- (2) Instrument QC Batch: MA43949
- (3) Prep QC Batch: MP6039
- (4) Prep QC Batch: MP6052

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	SS-6	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-6R	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	68.2
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C143055R.D	1	03/05/18 19:14	PS	n/a	n/a	V3C6477
Run #2							

	Initial Weight
Run #1	5.3 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	6.9	2.8	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.8	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.8	1.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		75-127%
17060-07-0	1,2-Dichloroethane-D4	101%		75-130%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	104%		79-127%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-7	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-7	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C143053.D	1	03/05/18 18:24	PS	n/a	n/a	V3C6477
Run #2							

	Initial Weight
Run #1	5.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	43.2	11	6.8	ug/kg	
71-43-2	Benzene	ND	0.53	0.11	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	0.46	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.26	ug/kg	
75-25-2	Bromoform	ND	5.3	0.33	ug/kg	
74-83-9	Bromomethane	ND	5.3	0.75	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	5.6	ug/kg	
75-15-0	Carbon disulfide	ND	2.1	0.65	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.1	0.69	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.31	ug/kg	
75-00-3	Chloroethane	ND	5.3	0.96	ug/kg	
67-66-3	Chloroform	ND	2.1	0.34	ug/kg	
74-87-3	Chloromethane	ND	5.3	1.0	ug/kg	
110-82-7	Cyclohexane	ND	2.1	0.37	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.1	0.72	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.41	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.26	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.55	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.31	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.51	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	0.65	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.28	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.19	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.75	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.43	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.62	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.41	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.25	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.31	ug/kg	
76-13-1	Freon 113	ND	5.3	0.72	ug/kg	
591-78-6	2-Hexanone	ND	5.3	3.0	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-7	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-7	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.1	0.26	ug/kg	
79-20-9	Methyl Acetate	ND	5.3	2.7	ug/kg	
108-87-2	Methylcyclohexane	ND	2.1	0.58	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.46	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.3	1.9	ug/kg	
75-09-2	Methylene chloride	ND	5.3	2.7	ug/kg	
100-42-5	Styrene	ND	2.1	0.53	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.27	ug/kg	
127-18-4	Tetrachloroethene	ND	2.1	0.68	ug/kg	
108-88-3	Toluene	ND	1.1	0.58	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.62	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.45	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.58	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	0.51	ug/kg	
75-01-4	Vinyl chloride	ND	2.1	0.82	ug/kg	
	m,p-Xylene	ND	1.1	0.58	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.27	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.27	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		75-127%
17060-07-0	1,2-Dichloroethane-D4	97%		75-130%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	100%		79-127%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-7	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-7	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M144410.D	1	03/04/18 16:50	KLS	03/03/18 05:35	OP10412	EM6129
Run #2							

Run #	Initial Weight	Final Volume
Run #1	31.6 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	74	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	66	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	40	ug/kg	
95-48-7	2-Methylphenol	ND	74	24	ug/kg	
	3&4-Methylphenol	ND	74	30	ug/kg	
88-75-5	2-Nitrophenol	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol	ND	370	99	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	74	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	22	ug/kg	
83-32-9	Acenaphthene	ND	37	13	ug/kg	
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	190	8.0	ug/kg	
120-12-7	Anthracene	ND	37	23	ug/kg	
1912-24-9	Atrazine	ND	74	16	ug/kg	
56-55-3	Benzo(a)anthracene	16.2	37	10	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	17.8	37	16	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	37	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	74	9.1	ug/kg	
92-52-4	1,1'-Biphenyl	ND	74	5.1	ug/kg	
100-52-7	Benzaldehyde ^a	ND	190	9.2	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	8.8	ug/kg	
106-47-8	4-Chloroaniline	ND	190	13	ug/kg	
86-74-8	Carbazole	ND	74	5.4	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-7	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-7	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	74	15	ug/kg	
218-01-9	Chrysene	16.7	37	12	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	74	7.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	74	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	74	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	16	ug/kg	
132-64-9	Dibenzofuran	ND	74	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	74	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	74	9.2	ug/kg	
84-66-2	Diethyl phthalate	ND	74	7.9	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	6.6	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	74	8.7	ug/kg	
206-44-0	Fluoranthene	23.6	37	17	ug/kg	J
86-73-7	Fluorene	ND	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	9.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	37	17	ug/kg	
78-59-1	Isophorone	ND	74	7.9	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	8.4	ug/kg	
88-74-4	2-Nitroaniline	ND	190	8.8	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.3	ug/kg	
100-01-6	4-Nitroaniline	ND	190	9.6	ug/kg	
91-20-3	Naphthalene	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	74	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	15.8	37	12	ug/kg	J
129-00-0	Pyrene	29.9	37	12	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	61%		23-115%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-7	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-7	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	61%		27-114%
118-79-6	2,4,6-Tribromophenol	64%		19-152%
4165-60-0	Nitrobenzene-d5	65%		26-134%
321-60-8	2-Fluorobiphenyl	67%		39-124%
1718-51-0	Terphenyl-d14	70%		36-134%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.9
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Report of Analysis

Client Sample ID:	SS-7	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-7	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	85.3
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.3	2.3	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Arsenic	4.0	2.3	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Beryllium	0.33	0.23	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.57	0.57	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Chromium	18.8	1.1	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Copper	10.2	2.9	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Lead	15.2	2.3	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Mercury	< 0.038	0.038	mg/kg	1	03/06/18	03/06/18	JPM	SW846 7471B ¹ SW846 7471B ⁴
Nickel	20.0	4.6	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Selenium	< 2.3	2.3	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Silver	< 0.57	0.57	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Thallium	< 1.1	1.1	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Zinc	42.0	5.7	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³

- (1) Instrument QC Batch: MA43942
- (2) Instrument QC Batch: MA43949
- (3) Prep QC Batch: MP6039
- (4) Prep QC Batch: MP6052

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	SS-7	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-7R	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C143053R.D	1	03/05/18 18:24	PS	n/a	n/a	V3C6477
Run #2							

	Initial Weight
Run #1	5.5 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	5.3	2.1	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.1	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.1	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		75-127%
17060-07-0	1,2-Dichloroethane-D4	97%		75-130%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	100%		79-127%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-8	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-8	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	73.9
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C143054.D	1	03/05/18 18:49	PS	n/a	n/a	V3C6477
Run #2							

	Initial Weight
Run #1	5.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	7.7	ug/kg	
71-43-2	Benzene	ND	0.60	0.13	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	0.53	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.29	ug/kg	
75-25-2	Bromoform	ND	6.0	0.38	ug/kg	
74-83-9	Bromomethane	ND	6.0	0.85	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	6.3	ug/kg	
75-15-0	Carbon disulfide	ND	2.4	0.74	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	0.78	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.35	ug/kg	
75-00-3	Chloroethane	ND	6.0	1.1	ug/kg	
67-66-3	Chloroform	ND	2.4	0.39	ug/kg	
74-87-3	Chloromethane	ND	6.0	1.2	ug/kg	
110-82-7	Cyclohexane	ND	2.4	0.41	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.4	0.81	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.46	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.30	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.62	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.58	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	0.73	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.31	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.22	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.85	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.49	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.71	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.48	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.46	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.29	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.35	ug/kg	
76-13-1	Freon 113	ND	6.0	0.81	ug/kg	
591-78-6	2-Hexanone	ND	6.0	3.4	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-8	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-8	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	73.9
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.4	0.30	ug/kg	
79-20-9	Methyl Acetate	ND	6.0	3.1	ug/kg	
108-87-2	Methylcyclohexane	ND	2.4	0.66	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.52	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.0	2.2	ug/kg	
75-09-2	Methylene chloride	ND	6.0	3.0	ug/kg	
100-42-5	Styrene	ND	2.4	0.60	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.31	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	0.77	ug/kg	
108-88-3	Toluene	ND	1.2	0.66	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	1.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.70	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.51	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.66	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	0.58	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.92	ug/kg	
	m,p-Xylene	ND	1.2	0.66	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.30	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.30	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		75-127%
17060-07-0	1,2-Dichloroethane-D4	100%		75-130%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	103%		79-127%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-8	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-8	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	73.9
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M144411.D	1	03/04/18 17:20	KLS	03/03/18 05:35	OP10412	EM6129
Run #2							

Run #	Initial Weight	Final Volume
Run #1	31.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	86	21	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	220	26	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	220	37	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	220	77	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	220	160	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	220	46	ug/kg	
95-48-7	2-Methylphenol	ND	86	28	ug/kg	
	3&4-Methylphenol	ND	86	35	ug/kg	
88-75-5	2-Nitrophenol	ND	220	28	ug/kg	
100-02-7	4-Nitrophenol	ND	430	120	ug/kg	
87-86-5	Pentachlorophenol	ND	170	40	ug/kg	
108-95-2	Phenol	ND	86	22	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	220	29	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	220	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	220	26	ug/kg	
83-32-9	Acenaphthene	ND	43	15	ug/kg	
208-96-8	Acenaphthylene	ND	43	22	ug/kg	
98-86-2	Acetophenone	ND	220	9.3	ug/kg	
120-12-7	Anthracene	ND	43	26	ug/kg	
1912-24-9	Atrazine	ND	86	18	ug/kg	
56-55-3	Benzo(a)anthracene	ND	43	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	43	20	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	43	19	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	43	22	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	43	20	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	86	17	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	86	11	ug/kg	
92-52-4	1,1'-Biphenyl	ND	86	5.9	ug/kg	
100-52-7	Benzaldehyde ^a	86.1	220	11	ug/kg	J
91-58-7	2-Chloronaphthalene	ND	86	10	ug/kg	
106-47-8	4-Chloroaniline	ND	220	16	ug/kg	
86-74-8	Carbazole	ND	86	6.2	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-8	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-8	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	73.9
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	86	17	ug/kg	
218-01-9	Chrysene	ND	43	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	86	9.2	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	86	19	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	86	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	86	14	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	43	13	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	43	22	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	86	36	ug/kg	
123-91-1	1,4-Dioxane	ND	43	28	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	43	19	ug/kg	
132-64-9	Dibenzofuran	ND	86	18	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	86	7.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	86	11	ug/kg	
84-66-2	Diethyl phthalate	ND	86	9.2	ug/kg	
131-11-3	Dimethyl phthalate	ND	86	7.7	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	86	10	ug/kg	
206-44-0	Fluoranthene	ND	43	19	ug/kg	
86-73-7	Fluorene	ND	43	20	ug/kg	
118-74-1	Hexachlorobenzene	ND	86	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	43	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	430	17	ug/kg	
67-72-1	Hexachloroethane	ND	220	21	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	43	20	ug/kg	
78-59-1	Isophorone	ND	86	9.2	ug/kg	
91-57-6	2-Methylnaphthalene	ND	43	9.7	ug/kg	
88-74-4	2-Nitroaniline	ND	220	10	ug/kg	
99-09-2	3-Nitroaniline	ND	220	11	ug/kg	
100-01-6	4-Nitroaniline	ND	220	11	ug/kg	
91-20-3	Naphthalene	ND	43	12	ug/kg	
98-95-3	Nitrobenzene	ND	86	17	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	86	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	220	16	ug/kg	
85-01-8	Phenanthrene	ND	43	14	ug/kg	
129-00-0	Pyrene	ND	43	14	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	220	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	59%		23-115%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-8	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-8	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	73.9
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	59%		27-114%
118-79-6	2,4,6-Tribromophenol	67%		19-152%
4165-60-0	Nitrobenzene-d5	64%		26-134%
321-60-8	2-Fluorobiphenyl	66%		39-124%
1718-51-0	Terphenyl-d14	70%		36-134%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.11
4

Report of Analysis

Client Sample ID:	SS-8	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-8	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	73.9
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.7	2.7	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Arsenic	8.9	2.7	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Beryllium	0.32	0.27	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.67	0.67	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Chromium	19.8	1.3	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Copper	14.2	3.3	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Lead	19.5	2.7	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Mercury	< 0.034	0.034	mg/kg	1	03/06/18	03/06/18	JPM	SW846 7471B ¹ SW846 7471B ⁴
Nickel	30.4	5.4	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Selenium	< 2.7	2.7	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Silver	< 0.67	0.67	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Thallium	< 1.3	1.3	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Zinc	56.0	6.7	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³

- (1) Instrument QC Batch: MA43942
- (2) Instrument QC Batch: MA43949
- (3) Prep QC Batch: MP6039
- (4) Prep QC Batch: MP6052

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS-8	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-8R	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	73.9
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C143054R.D	1	03/05/18 18:49	PS	n/a	n/a	V3C6477
Run #2							

	Initial Weight
Run #1	5.6 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	6.0	2.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.4	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.4	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		75-127%
17060-07-0	1,2-Dichloroethane-D4	100%		75-130%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	103%		79-127%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-9	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-9	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	60.3
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C143065.D	1	03/06/18 11:30	PS	n/a	n/a	V3C6478
Run #2							

	Initial Weight
Run #1	5.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	105	15	9.3	ug/kg	
71-43-2	Benzene	ND	0.73	0.16	ug/kg	
74-97-5	Bromochloromethane	ND	7.3	0.63	ug/kg	
75-27-4	Bromodichloromethane	ND	2.9	0.35	ug/kg	
75-25-2	Bromoform	ND	7.3	0.45	ug/kg	
74-83-9	Bromomethane	ND	7.3	1.0	ug/kg	
78-93-3	2-Butanone (MEK)	ND	15	7.6	ug/kg	
75-15-0	Carbon disulfide	ND	2.9	0.89	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.9	0.94	ug/kg	
108-90-7	Chlorobenzene	ND	2.9	0.42	ug/kg	
75-00-3	Chloroethane	ND	7.3	1.3	ug/kg	
67-66-3	Chloroform	ND	2.9	0.47	ug/kg	
74-87-3	Chloromethane	ND	7.3	1.4	ug/kg	
110-82-7	Cyclohexane	ND	2.9	0.50	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.9	0.98	ug/kg	
124-48-1	Dibromochloromethane	ND	2.9	0.55	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.5	0.36	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.5	0.75	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.5	0.42	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.5	0.70	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.3	0.88	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.5	0.38	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.5	0.26	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.5	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	0.58	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.85	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.9	0.58	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.9	0.56	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.9	0.34	ug/kg	
100-41-4	Ethylbenzene	ND	1.5	0.42	ug/kg	
76-13-1	Freon 113	ND	7.3	0.98	ug/kg	
591-78-6	2-Hexanone	ND	7.3	4.1	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-9	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-9	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	60.3
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.9	0.36	ug/kg	
79-20-9	Methyl Acetate	100	7.3	3.7	ug/kg	
108-87-2	Methylcyclohexane	ND	2.9	0.79	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.5	0.62	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.3	2.6	ug/kg	
75-09-2	Methylene chloride	ND	7.3	3.6	ug/kg	
100-42-5	Styrene	ND	2.9	0.72	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.9	0.37	ug/kg	
127-18-4	Tetrachloroethene	ND	2.9	0.93	ug/kg	
108-88-3	Toluene	4.4	1.5	0.80	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.3	1.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.3	1.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.9	0.85	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.9	0.61	ug/kg	
79-01-6	Trichloroethene	ND	1.5	0.80	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.3	0.70	ug/kg	
75-01-4	Vinyl chloride	ND	2.9	1.1	ug/kg	
	m,p-Xylene	1.4	1.5	0.80	ug/kg	J
95-47-6	o-Xylene	0.55	1.5	0.37	ug/kg	J
1330-20-7	Xylene (total)	2.0	1.5	0.37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		75-127%
17060-07-0	1,2-Dichloroethane-D4	94%		75-130%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	102%		79-127%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-9	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-9	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	60.3
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M144412.D	1	03/04/18 17:50	KLS	03/03/18 05:35	OP10412	EM6129
Run #2							

Run #	Initial Weight	Final Volume
Run #1	32.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	100	25	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	260	32	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	260	44	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	260	92	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	260	190	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	260	55	ug/kg	
95-48-7	2-Methylphenol	ND	100	33	ug/kg	
	3&4-Methylphenol	ND	100	42	ug/kg	
88-75-5	2-Nitrophenol	ND	260	34	ug/kg	
100-02-7	4-Nitrophenol	ND	520	140	ug/kg	
87-86-5	Pentachlorophenol	ND	210	48	ug/kg	
108-95-2	Phenol	ND	100	27	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	260	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	260	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	260	31	ug/kg	
83-32-9	Acenaphthene	ND	52	18	ug/kg	
208-96-8	Acenaphthylene	ND	52	26	ug/kg	
98-86-2	Acetophenone	ND	260	11	ug/kg	
120-12-7	Anthracene	ND	52	32	ug/kg	
1912-24-9	Atrazine	ND	100	22	ug/kg	
56-55-3	Benzo(a)anthracene	62.7	52	15	ug/kg	
50-32-8	Benzo(a)pyrene	64.8	52	23	ug/kg	
205-99-2	Benzo(b)fluoranthene	99.0	52	23	ug/kg	
191-24-2	Benzo(g,h,i)perylene	51.2	52	26	ug/kg	J
207-08-9	Benzo(k)fluoranthene	38.4	52	24	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	100	20	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	100	13	ug/kg	
92-52-4	1,1'-Biphenyl	ND	100	7.1	ug/kg	
100-52-7	Benzaldehyde ^a	49.8	260	13	ug/kg	J
91-58-7	2-Chloronaphthalene	ND	100	12	ug/kg	
106-47-8	4-Chloroaniline	ND	260	19	ug/kg	
86-74-8	Carbazole	ND	100	7.5	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-9	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-9	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	60.3
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	100	20	ug/kg	
218-01-9	Chrysene	76.0	52	16	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	100	11	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	100	22	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	100	18	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	100	17	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	52	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	52	26	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	100	43	ug/kg	
123-91-1	1,4-Dioxane	ND	52	34	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	52	23	ug/kg	
132-64-9	Dibenzofuran	ND	100	21	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	100	8.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	100	13	ug/kg	
84-66-2	Diethyl phthalate	ND	100	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	100	9.2	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	100	12	ug/kg	
206-44-0	Fluoranthene	152	52	23	ug/kg	
86-73-7	Fluorene	ND	52	24	ug/kg	
118-74-1	Hexachlorobenzene	ND	100	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	52	21	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	520	20	ug/kg	
67-72-1	Hexachloroethane	ND	260	25	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	50.3	52	24	ug/kg	J
78-59-1	Isophorone	ND	100	11	ug/kg	
91-57-6	2-Methylnaphthalene	ND	52	12	ug/kg	
88-74-4	2-Nitroaniline	ND	260	12	ug/kg	
99-09-2	3-Nitroaniline	ND	260	13	ug/kg	
100-01-6	4-Nitroaniline	ND	260	13	ug/kg	
91-20-3	Naphthalene	ND	52	15	ug/kg	
98-95-3	Nitrobenzene	ND	100	20	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	100	15	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	260	19	ug/kg	
85-01-8	Phenanthrene	79.9	52	17	ug/kg	
129-00-0	Pyrene	132	52	16	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	260	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		23-115%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-9	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-9	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	60.3
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	66%		27-114%
118-79-6	2,4,6-Tribromophenol	75%		19-152%
4165-60-0	Nitrobenzene-d5	65%		26-134%
321-60-8	2-Fluorobiphenyl	74%		39-124%
1718-51-0	Terphenyl-d14	74%		36-134%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.13
4

Report of Analysis

Client Sample ID:	SS-9	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-9	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	60.3
Method:	SW846 8082A SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF180499.D	1	03/05/18 04:59	HB	03/03/18 06:15	OP10413	GEF6181
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	53	21	ug/kg	
11104-28-2	Aroclor 1221	ND	53	22	ug/kg	
11141-16-5	Aroclor 1232	ND	53	14	ug/kg	
53469-21-9	Aroclor 1242	ND	53	8.5	ug/kg	
12672-29-6	Aroclor 1248	ND	53	31	ug/kg	
11097-69-1	Aroclor 1254	ND	53	13	ug/kg	
11096-82-5	Aroclor 1260	ND	53	17	ug/kg	
11100-14-4	Aroclor 1268	ND	53	7.9	ug/kg	
37324-23-5	Aroclor 1262	ND	53	4.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		24-152%
877-09-8	Tetrachloro-m-xylene	91%		24-152%
2051-24-3	Decachlorobiphenyl	82%		10-166%
2051-24-3	Decachlorobiphenyl	90%		10-166%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-9	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-9	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	60.3
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Antimony	< 3.4	3.4	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Arsenic	4.1	3.4	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Beryllium	0.51	0.34	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Cadmium	< 0.85	0.85	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Chromium	49.5	1.7	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Copper	28.7	4.3	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Lead	36.3	3.4	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Mercury	0.052	0.034	mg/kg	1	03/06/18	03/06/18 JPM	SW846 7471B ¹	SW846 7471B ⁴
Nickel	46.0	6.8	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Selenium	< 3.4	3.4	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Silver	< 0.85	0.85	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Thallium	< 1.7	1.7	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³
Zinc	71.5	8.5	mg/kg	1	03/05/18	03/07/18 RP	SW846 6010C ²	SW846 3050B ³

- (1) Instrument QC Batch: MA43942
- (2) Instrument QC Batch: MA43949
- (3) Prep QC Batch: MP6039
- (4) Prep QC Batch: MP6052

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	SS-9	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-9R	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	60.3
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C143065R.D	1	03/06/18 11:30	PS	n/a	n/a	V3C6478
Run #2							

	Initial Weight
Run #1	5.7 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	7.3	2.9	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.9	1.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.9	1.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		75-127%
17060-07-0	1,2-Dichloroethane-D4	94%		75-130%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	102%		79-127%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-10	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-10	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C143066.D	1	03/06/18 11:55	PS	n/a	n/a	V3C6478
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	24.0	12	7.7	ug/kg	
71-43-2	Benzene	ND	0.60	0.13	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	0.52	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.29	ug/kg	
75-25-2	Bromoform	ND	6.0	0.37	ug/kg	
74-83-9	Bromomethane	ND	6.0	0.84	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	6.3	ug/kg	
75-15-0	Carbon disulfide	ND	2.4	0.73	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	0.78	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.35	ug/kg	
75-00-3	Chloroethane	ND	6.0	1.1	ug/kg	
67-66-3	Chloroform	ND	2.4	0.39	ug/kg	
74-87-3	Chloromethane	ND	6.0	1.2	ug/kg	
110-82-7	Cyclohexane	ND	2.4	0.41	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.4	0.81	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.46	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.29	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.62	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.34	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.58	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	0.73	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.31	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.22	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.85	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.48	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.70	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.48	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.46	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.28	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.35	ug/kg	
76-13-1	Freon 113	ND	6.0	0.81	ug/kg	
591-78-6	2-Hexanone	ND	6.0	3.4	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-10	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-10	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.4	0.30	ug/kg	
79-20-9	Methyl Acetate	ND	6.0	3.0	ug/kg	
108-87-2	Methylcyclohexane	ND	2.4	0.66	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.51	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.0	2.2	ug/kg	
75-09-2	Methylene chloride	ND	6.0	3.0	ug/kg	
100-42-5	Styrene	ND	2.4	0.60	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.31	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	0.77	ug/kg	
108-88-3	Toluene	ND	1.2	0.66	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	1.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.70	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.50	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.66	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	0.58	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.92	ug/kg	
	m,p-Xylene	ND	1.2	0.66	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.30	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.30	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		75-127%
17060-07-0	1,2-Dichloroethane-D4	98%		75-130%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	102%		79-127%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-10	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-10	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M144413.D	1	03/04/18 18:20	KLS	03/03/18 05:35	OP10412	EM6129
Run #2							

Run #	Initial Weight	Final Volume
Run #1	32.6 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	74	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	66	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	74	24	ug/kg	
	3&4-Methylphenol	ND	74	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	98	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	74	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	27.5	37	13	ug/kg	J
208-96-8	Acenaphthylene	171	37	19	ug/kg	
98-86-2	Acetophenone	ND	180	7.9	ug/kg	
120-12-7	Anthracene	196	37	23	ug/kg	
1912-24-9	Atrazine	ND	74	16	ug/kg	
56-55-3	Benzo(a)anthracene	921	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	932	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	1280	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	605	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	554	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	74	9.0	ug/kg	
92-52-4	1,1'-Biphenyl	ND	74	5.1	ug/kg	
100-52-7	Benzaldehyde ^a	22.7	180	9.1	ug/kg	J
91-58-7	2-Chloronaphthalene	ND	74	8.8	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	83.8	74	5.3	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-10	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-10	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	74	15	ug/kg	
218-01-9	Chrysene	1100	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	74	7.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	74	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	74	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	179	37	16	ug/kg	
132-64-9	Dibenzofuran	33.6	74	15	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	74	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	74	9.2	ug/kg	
84-66-2	Diethyl phthalate	ND	74	7.9	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	6.6	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	74	8.6	ug/kg	
206-44-0	Fluoranthene	1810	37	16	ug/kg	
86-73-7	Fluorene	105	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	642	37	17	ug/kg	
78-59-1	Isophorone	ND	74	7.9	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	8.3	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.7	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.2	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.5	ug/kg	
91-20-3	Naphthalene	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	74	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	1060	37	12	ug/kg	
129-00-0	Pyrene	1650	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	53%		23-115%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-10	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-10	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	53%		27-114%
118-79-6	2,4,6-Tribromophenol	56%		19-152%
4165-60-0	Nitrobenzene-d5	58%		26-134%
321-60-8	2-Fluorobiphenyl	58%		39-124%
1718-51-0	Terphenyl-d14	61%		36-134%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.15
4

Report of Analysis

Client Sample ID:	SS-10						
Lab Sample ID:	JC61667-10					Date Sampled:	02/28/18
Matrix:	SO - Soil					Date Received:	03/02/18
Method:	SW846 8082A SW846 3546					Percent Solids:	83.2
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF180500.D	1	03/05/18 05:24	HB	03/03/18 06:15	OP10413	GEF6181
Run #2							

	Initial Weight	Final Volume
Run #1	16.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	15	ug/kg	
11104-28-2	Aroclor 1221	ND	36	15	ug/kg	
11141-16-5	Aroclor 1232	ND	36	9.7	ug/kg	
53469-21-9	Aroclor 1242	ND	36	5.8	ug/kg	
12672-29-6	Aroclor 1248	ND	36	21	ug/kg	
11097-69-1	Aroclor 1254	ND	36	8.9	ug/kg	
11096-82-5	Aroclor 1260	ND	36	11	ug/kg	
11100-14-4	Aroclor 1268	ND	36	5.4	ug/kg	
37324-23-5	Aroclor 1262	ND	36	2.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		24-152%
877-09-8	Tetrachloro-m-xylene	91%		24-152%
2051-24-3	Decachlorobiphenyl	91%		10-166%
2051-24-3	Decachlorobiphenyl	173% ^a		10-166%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.15
4

Report of Analysis

Client Sample ID:	SS-10	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-10	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	83.2
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Antimony	< 2.3	2.3	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Arsenic	4.9	2.3	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Beryllium	0.34	0.23	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.57	0.57	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Chromium	23.5	1.1	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Copper	14.8	2.9	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Lead	36.1	2.3	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Mercury	< 0.038	0.038	mg/kg	1	03/06/18	03/06/18	JPM	SW846 7471B ¹ SW846 7471B ⁴
Nickel	29.3	4.6	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Selenium	< 2.3	2.3	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Silver	< 0.57	0.57	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Thallium	< 1.1	1.1	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Zinc	59.2	5.7	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³

- (1) Instrument QC Batch: MA43942
- (2) Instrument QC Batch: MA43949
- (3) Prep QC Batch: MP6039
- (4) Prep QC Batch: MP6052

RL = Reporting Limit

4.15
4

Report of Analysis

Client Sample ID:	SS-10	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-10R	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C143066R.D	1	03/06/18 11:55	PS	n/a	n/a	V3C6478
Run #2							

Run #	Initial Weight
Run #1	5.0 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	6.0	2.4	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.4	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.4	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		75-127%
17060-07-0	1,2-Dichloroethane-D4	98%		75-130%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	102%		79-127%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-11	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-11	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C143067.D	1	03/06/18 12:20	PS	n/a	n/a	V3C6478
Run #2							

	Initial Weight
Run #1	7.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	42.9	7.9	5.1	ug/kg	
71-43-2	Benzene	ND	0.40	0.085	ug/kg	
74-97-5	Bromochloromethane	ND	4.0	0.34	ug/kg	
75-27-4	Bromodichloromethane	ND	1.6	0.19	ug/kg	
75-25-2	Bromoform	ND	4.0	0.25	ug/kg	
74-83-9	Bromomethane	ND	4.0	0.56	ug/kg	
78-93-3	2-Butanone (MEK)	ND	7.9	4.1	ug/kg	
75-15-0	Carbon disulfide	ND	1.6	0.48	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.6	0.51	ug/kg	
108-90-7	Chlorobenzene	ND	1.6	0.23	ug/kg	
75-00-3	Chloroethane	ND	4.0	0.71	ug/kg	
67-66-3	Chloroform	ND	1.6	0.26	ug/kg	
74-87-3	Chloromethane	ND	4.0	0.78	ug/kg	
110-82-7	Cyclohexane	ND	1.6	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.6	0.53	ug/kg	
124-48-1	Dibromochloromethane	ND	1.6	0.30	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.79	0.19	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.79	0.41	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.79	0.23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.79	0.38	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.0	0.48	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.79	0.20	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.79	0.14	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.79	0.56	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.79	0.32	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.79	0.46	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.6	0.31	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	0.30	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	0.19	ug/kg	
100-41-4	Ethylbenzene	ND	0.79	0.23	ug/kg	
76-13-1	Freon 113	ND	4.0	0.53	ug/kg	
591-78-6	2-Hexanone	ND	4.0	2.2	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-11	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-11	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.6	0.20	ug/kg	
79-20-9	Methyl Acetate	ND	4.0	2.0	ug/kg	
108-87-2	Methylcyclohexane	ND	1.6	0.43	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.79	0.34	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.0	1.4	ug/kg	
75-09-2	Methylene chloride	ND	4.0	2.0	ug/kg	
100-42-5	Styrene	ND	1.6	0.39	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	0.20	ug/kg	
127-18-4	Tetrachloroethene	ND	1.6	0.50	ug/kg	
108-88-3	Toluene	ND	0.79	0.43	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.0	0.79	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.0	0.79	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.6	0.46	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.6	0.33	ug/kg	
79-01-6	Trichloroethene	ND	0.79	0.43	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.0	0.38	ug/kg	
75-01-4	Vinyl chloride	ND	1.6	0.61	ug/kg	
	m,p-Xylene	ND	0.79	0.43	ug/kg	
95-47-6	o-Xylene	ND	0.79	0.20	ug/kg	
1330-20-7	Xylene (total)	ND	0.79	0.20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		75-127%
17060-07-0	1,2-Dichloroethane-D4	100%		75-130%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	105%		79-127%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-11	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-11	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M144414.D	1	03/04/18 18:50	KLS	03/03/18 05:35	OP10412	EM6129
Run #2							

Run #	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	81	20	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	25	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	72	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	200	43	ug/kg	
95-48-7	2-Methylphenol	ND	81	26	ug/kg	
	3&4-Methylphenol	ND	81	33	ug/kg	
88-75-5	2-Nitrophenol	ND	200	27	ug/kg	
100-02-7	4-Nitrophenol	ND	400	110	ug/kg	
87-86-5	Pentachlorophenol	ND	160	38	ug/kg	
108-95-2	Phenol	ND	81	21	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	200	27	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	30	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	24	ug/kg	
83-32-9	Acenaphthene	ND	40	14	ug/kg	
208-96-8	Acenaphthylene	ND	40	20	ug/kg	
98-86-2	Acetophenone	ND	200	8.7	ug/kg	
120-12-7	Anthracene	96.4	40	25	ug/kg	
1912-24-9	Atrazine	ND	81	17	ug/kg	
56-55-3	Benzo(a)anthracene	401	40	11	ug/kg	
50-32-8	Benzo(a)pyrene	391	40	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	532	40	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	250	40	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	205	40	19	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	81	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	81	9.8	ug/kg	
92-52-4	1,1'-Biphenyl	ND	81	5.5	ug/kg	
100-52-7	Benzaldehyde ^a	ND	200	10	ug/kg	
91-58-7	2-Chloronaphthalene	ND	81	9.6	ug/kg	
106-47-8	4-Chloroaniline	ND	200	15	ug/kg	
86-74-8	Carbazole	19.8	81	5.8	ug/kg	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-11	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-11	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	81	16	ug/kg	
218-01-9	Chrysene	453	40	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	81	8.6	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	81	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	81	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	81	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	40	13	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	40	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	81	34	ug/kg	
123-91-1	1,4-Dioxane	ND	40	27	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	77.1	40	18	ug/kg	
132-64-9	Dibenzofuran	ND	81	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	81	6.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	81	10	ug/kg	
84-66-2	Diethyl phthalate	ND	81	8.6	ug/kg	
131-11-3	Dimethyl phthalate	ND	81	7.2	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	81	9.4	ug/kg	
206-44-0	Fluoranthene	708	40	18	ug/kg	
86-73-7	Fluorene	29.6	40	19	ug/kg	J
118-74-1	Hexachlorobenzene	ND	81	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	40	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	400	16	ug/kg	
67-72-1	Hexachloroethane	ND	200	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	260	40	19	ug/kg	
78-59-1	Isophorone	ND	81	8.6	ug/kg	
91-57-6	2-Methylnaphthalene	ND	40	9.1	ug/kg	
88-74-4	2-Nitroaniline	ND	200	9.5	ug/kg	
99-09-2	3-Nitroaniline	ND	200	10	ug/kg	
100-01-6	4-Nitroaniline	ND	200	10	ug/kg	
91-20-3	Naphthalene	ND	40	11	ug/kg	
98-95-3	Nitrobenzene	ND	81	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	81	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	15	ug/kg	
85-01-8	Phenanthrene	327	40	14	ug/kg	
129-00-0	Pyrene	699	40	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%		23-115%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-11	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-11	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	66%		27-114%
118-79-6	2,4,6-Tribromophenol	77%		19-152%
4165-60-0	Nitrobenzene-d5	70%		26-134%
321-60-8	2-Fluorobiphenyl	72%		39-124%
1718-51-0	Terphenyl-d14	80%		36-134%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.17
4

Report of Analysis

Client Sample ID:	SS-11	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-11	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8082A SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF180505.D	1	03/05/18 07:29	HB	03/03/18 06:15	OP10413	GEF6181
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	41	17	ug/kg	
11104-28-2	Aroclor 1221	ND	41	17	ug/kg	
11141-16-5	Aroclor 1232	ND	41	11	ug/kg	
53469-21-9	Aroclor 1242	ND	41	6.5	ug/kg	
12672-29-6	Aroclor 1248	ND	41	24	ug/kg	
11097-69-1	Aroclor 1254	ND	41	10	ug/kg	
11096-82-5	Aroclor 1260	ND	41	13	ug/kg	
11100-14-4	Aroclor 1268	ND	41	6.1	ug/kg	
37324-23-5	Aroclor 1262	ND	41	3.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		24-152%
877-09-8	Tetrachloro-m-xylene	95%		24-152%
2051-24-3	Decachlorobiphenyl	79%		10-166%
2051-24-3	Decachlorobiphenyl	105%		10-166%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-11	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-11	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	80.0
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Antimony	< 2.5	2.5	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Arsenic	4.4	2.5	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Beryllium	0.31	0.25	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.62	0.62	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Chromium	21.3	1.2	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Copper	29.5	3.1	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Lead	58.3	2.5	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Mercury	0.041	0.040	mg/kg	1	03/06/18	03/06/18	JPM	SW846 7471B ¹ SW846 7471B ⁴
Nickel	30.1	5.0	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Selenium	< 2.5	2.5	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Silver	< 0.62	0.62	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Thallium	< 1.2	1.2	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Zinc	105	6.2	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³

- (1) Instrument QC Batch: MA43942
- (2) Instrument QC Batch: MA43949
- (3) Prep QC Batch: MP6039
- (4) Prep QC Batch: MP6052

RL = Reporting Limit

4.17
4

Report of Analysis

Page 1 of 1

Client Sample ID:	SS-11	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-11R	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C143067R.D	1	03/06/18 12:20	PS	n/a	n/a	V3C6478
Run #2							

Run #	Initial Weight
Run #1	7.9 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	4.0	1.6	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	1.6	0.79	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	1.6	0.79	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		75-127%
17060-07-0	1,2-Dichloroethane-D4	100%		75-130%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	105%		79-127%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-12	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-12	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C143068.D	1	03/06/18 12:45	PS	n/a	n/a	V3C6478
Run #2							

	Initial Weight
Run #1	5.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	24.9	12	7.4	ug/kg	
71-43-2	Benzene	ND	0.58	0.12	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	0.50	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.28	ug/kg	
75-25-2	Bromoform	ND	5.8	0.36	ug/kg	
74-83-9	Bromomethane	ND	5.8	0.81	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	6.1	ug/kg	
75-15-0	Carbon disulfide	ND	2.3	0.71	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	0.75	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.33	ug/kg	
75-00-3	Chloroethane	ND	5.8	1.0	ug/kg	
67-66-3	Chloroform	ND	2.3	0.37	ug/kg	
74-87-3	Chloromethane	ND	5.8	1.1	ug/kg	
110-82-7	Cyclohexane	ND	2.3	0.40	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.3	0.78	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.44	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.28	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.60	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.55	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	0.70	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.30	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.21	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.82	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.47	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.68	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.46	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.44	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.27	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.33	ug/kg	
76-13-1	Freon 113	ND	5.8	0.78	ug/kg	
591-78-6	2-Hexanone	ND	5.8	3.2	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-12	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-12	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.3	0.29	ug/kg	
79-20-9	Methyl Acetate	ND	5.8	2.9	ug/kg	
108-87-2	Methylcyclohexane	ND	2.3	0.63	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	2.1	ug/kg	
75-09-2	Methylene chloride	ND	5.8	2.9	ug/kg	
100-42-5	Styrene	ND	2.3	0.57	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	2.3	0.74	ug/kg	
108-88-3	Toluene	ND	1.2	0.63	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	1.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.67	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.49	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.63	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	0.56	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	0.89	ug/kg	
	m,p-Xylene	1.0	1.2	0.63	ug/kg	J
95-47-6	o-Xylene	0.45	1.2	0.29	ug/kg	J
1330-20-7	Xylene (total)	1.5	1.2	0.29	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		75-127%
17060-07-0	1,2-Dichloroethane-D4	98%		75-130%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	103%		79-127%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-12	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-12	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M144415.D	1	03/04/18 19:20	KLS	03/03/18 05:35	OP10412	EM6129
Run #2							

Run #	Initial Weight	Final Volume
Run #1	32.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	78	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	24	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	69	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	42	ug/kg	
95-48-7	2-Methylphenol	ND	78	25	ug/kg	
	3&4-Methylphenol	ND	78	32	ug/kg	
88-75-5	2-Nitrophenol	ND	190	26	ug/kg	
100-02-7	4-Nitrophenol	ND	390	100	ug/kg	
87-86-5	Pentachlorophenol	ND	160	36	ug/kg	
108-95-2	Phenol	ND	78	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	29	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	23	ug/kg	
83-32-9	Acenaphthene	ND	39	13	ug/kg	
208-96-8	Acenaphthylene	ND	39	20	ug/kg	
98-86-2	Acetophenone	ND	190	8.3	ug/kg	
120-12-7	Anthracene	ND	39	24	ug/kg	
1912-24-9	Atrazine	ND	78	17	ug/kg	
56-55-3	Benzo(a)anthracene	ND	39	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	39	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	39	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	39	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	39	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	78	15	ug/kg	
85-68-7	Butyl benzyl phthalate	21.8	78	9.5	ug/kg	J
92-52-4	1,1'-Biphenyl	ND	78	5.3	ug/kg	
100-52-7	Benzaldehyde ^a	ND	190	9.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	78	9.2	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	ND	78	5.6	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-12	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-12	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	78	15	ug/kg	
218-01-9	Chrysene	ND	39	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	78	8.3	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	78	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	78	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	78	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	39	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	39	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	78	32	ug/kg	
123-91-1	1,4-Dioxane	ND	39	26	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	39	17	ug/kg	
132-64-9	Dibenzofuran	ND	78	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	78	6.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	78	9.7	ug/kg	
84-66-2	Diethyl phthalate	ND	78	8.3	ug/kg	
131-11-3	Dimethyl phthalate	ND	78	6.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	78	9.1	ug/kg	
206-44-0	Fluoranthene	ND	39	17	ug/kg	
86-73-7	Fluorene	ND	39	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	78	9.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	390	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	39	18	ug/kg	
78-59-1	Isophorone	ND	78	8.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	39	8.8	ug/kg	
88-74-4	2-Nitroaniline	ND	190	9.2	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.7	ug/kg	
100-01-6	4-Nitroaniline	ND	190	10	ug/kg	
91-20-3	Naphthalene	ND	39	11	ug/kg	
98-95-3	Nitrobenzene	ND	78	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	78	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	ND	39	13	ug/kg	
129-00-0	Pyrene	ND	39	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		23-115%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-12	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-12	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	59%		27-114%
118-79-6	2,4,6-Tribromophenol	67%		19-152%
4165-60-0	Nitrobenzene-d5	64%		26-134%
321-60-8	2-Fluorobiphenyl	64%		39-124%
1718-51-0	Terphenyl-d14	72%		36-134%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Report of Analysis

Page 1 of 1

Client Sample ID:	SS-12	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-12	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8082A SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF180506.D	1	03/05/18 07:55	HB	03/03/18 06:15	OP10413	GEF6181
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	40	16	ug/kg	
11104-28-2	Aroclor 1221	ND	40	16	ug/kg	
11141-16-5	Aroclor 1232	ND	40	11	ug/kg	
53469-21-9	Aroclor 1242	ND	40	6.3	ug/kg	
12672-29-6	Aroclor 1248	ND	40	23	ug/kg	
11097-69-1	Aroclor 1254	ND	40	9.7	ug/kg	
11096-82-5	Aroclor 1260	ND	40	12	ug/kg	
11100-14-4	Aroclor 1268	ND	40	5.9	ug/kg	
37324-23-5	Aroclor 1262	ND	40	3.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		24-152%
877-09-8	Tetrachloro-m-xylene	95%		24-152%
2051-24-3	Decachlorobiphenyl	80%		10-166%
2051-24-3	Decachlorobiphenyl	83%		10-166%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-12	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-12	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	80.0
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 2.4	2.4	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Arsenic	9.1	2.4	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Beryllium	0.64	0.24	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.61	0.61	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Chromium	43.0	1.2	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Copper	21.1	3.0	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Lead	18.7	2.4	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Mercury	< 0.038	0.038	mg/kg	1	03/06/18	03/06/18	JPM	SW846 7471B ¹ SW846 7471B ⁴
Nickel	50.4	4.9	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Selenium	< 2.4	2.4	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Silver	< 0.61	0.61	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Thallium	< 1.2	1.2	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Zinc	54.3	6.1	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³

- (1) Instrument QC Batch: MA43942
- (2) Instrument QC Batch: MA43949
- (3) Prep QC Batch: MP6039
- (4) Prep QC Batch: MP6052

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SS-12						
Lab Sample ID:	JC61667-12R					Date Sampled:	02/28/18
Matrix:	SO - Soil					Date Received:	03/02/18
Method:	SW846 8260C					Percent Solids:	80.0
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT						

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C143068R.D	1	03/06/18 12:45	PS	n/a	n/a	V3C6478
Run #2							

Run #	Initial Weight
Run #1	5.4 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	5.8	2.3	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.3	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.3	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		75-127%
17060-07-0	1,2-Dichloroethane-D4	98%		75-130%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	103%		79-127%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.20
4

Report of Analysis

Client Sample ID:	DUP	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-13	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	78.3
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C143069.D	1	03/06/18 13:11	PS	n/a	n/a	V3C6478
Run #2							

	Initial Weight
Run #1	7.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.5	8.5	5.5	ug/kg	
71-43-2	Benzene	ND	0.43	0.091	ug/kg	
74-97-5	Bromochloromethane	ND	4.3	0.37	ug/kg	
75-27-4	Bromodichloromethane	ND	1.7	0.21	ug/kg	
75-25-2	Bromoform	ND	4.3	0.27	ug/kg	
74-83-9	Bromomethane	ND	4.3	0.60	ug/kg	
78-93-3	2-Butanone (MEK)	ND	8.5	4.5	ug/kg	
75-15-0	Carbon disulfide	ND	1.7	0.52	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.7	0.55	ug/kg	
108-90-7	Chlorobenzene	ND	1.7	0.25	ug/kg	
75-00-3	Chloroethane	ND	4.3	0.77	ug/kg	
67-66-3	Chloroform	ND	1.7	0.28	ug/kg	
74-87-3	Chloromethane	ND	4.3	0.84	ug/kg	
110-82-7	Cyclohexane	ND	1.7	0.29	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.7	0.57	ug/kg	
124-48-1	Dibromochloromethane	ND	1.7	0.32	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.85	0.21	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.85	0.44	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.85	0.24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.85	0.41	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.3	0.52	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.85	0.22	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.85	0.15	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.85	0.60	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.85	0.34	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.85	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.7	0.34	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	0.33	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	0.20	ug/kg	
100-41-4	Ethylbenzene	ND	0.85	0.25	ug/kg	
76-13-1	Freon 113	ND	4.3	0.57	ug/kg	
591-78-6	2-Hexanone	ND	4.3	2.4	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-13	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	78.3
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.7	0.21	ug/kg	
79-20-9	Methyl Acetate	ND	4.3	2.2	ug/kg	
108-87-2	Methylcyclohexane	ND	1.7	0.46	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.85	0.36	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.3	1.5	ug/kg	
75-09-2	Methylene chloride	ND	4.3	2.1	ug/kg	
100-42-5	Styrene	ND	1.7	0.42	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	0.22	ug/kg	
127-18-4	Tetrachloroethene	ND	1.7	0.54	ug/kg	
108-88-3	Toluene	ND	0.85	0.47	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.3	0.85	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.3	0.85	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.7	0.49	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.7	0.36	ug/kg	
79-01-6	Trichloroethene	ND	0.85	0.47	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.3	0.41	ug/kg	
75-01-4	Vinyl chloride	ND	1.7	0.65	ug/kg	
	m,p-Xylene	ND	0.85	0.47	ug/kg	
95-47-6	o-Xylene	ND	0.85	0.21	ug/kg	
1330-20-7	Xylene (total)	ND	0.85	0.21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		75-127%
17060-07-0	1,2-Dichloroethane-D4	100%		75-130%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	106%		79-127%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP		
Lab Sample ID:	JC61667-13	Date Sampled:	02/28/18
Matrix:	SO - Soil	Date Received:	03/02/18
Method:	SW846 8270D SW846 3546	Percent Solids:	78.3
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M144416.D	1	03/04/18 19:50	KLS	03/03/18 05:35	OP10412	EM6129
Run #2							

Run #	Initial Weight	Final Volume
Run #1	31.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	82	20	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	25	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	73	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	200	44	ug/kg	
95-48-7	2-Methylphenol	ND	82	26	ug/kg	
	3&4-Methylphenol	ND	82	34	ug/kg	
88-75-5	2-Nitrophenol	ND	200	27	ug/kg	
100-02-7	4-Nitrophenol	ND	410	110	ug/kg	
87-86-5	Pentachlorophenol	ND	160	38	ug/kg	
108-95-2	Phenol	ND	82	21	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	200	27	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	31	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	24	ug/kg	
83-32-9	Acenaphthene	ND	41	14	ug/kg	
208-96-8	Acenaphthylene	99.3	41	21	ug/kg	
98-86-2	Acetophenone	ND	200	8.8	ug/kg	
120-12-7	Anthracene	98.6	41	25	ug/kg	
1912-24-9	Atrazine	ND	82	18	ug/kg	
56-55-3	Benzo(a)anthracene	407	41	12	ug/kg	
50-32-8	Benzo(a)pyrene	406	41	19	ug/kg	
205-99-2	Benzo(b)fluoranthene	524	41	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	261	41	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	224	41	19	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	82	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	82	10	ug/kg	
92-52-4	1,1'-Biphenyl	ND	82	5.6	ug/kg	
100-52-7	Benzaldehyde ^a	22.0	200	10	ug/kg	J
91-58-7	2-Chloronaphthalene	ND	82	9.7	ug/kg	
106-47-8	4-Chloroaniline	ND	200	15	ug/kg	
86-74-8	Carbazole	20.6	82	5.9	ug/kg	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-13	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	78.3
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	82	16	ug/kg	
218-01-9	Chrysene	476	41	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	82	8.8	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	82	18	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	82	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	82	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	41	13	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	41	21	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	82	34	ug/kg	
123-91-1	1,4-Dioxane	ND	41	27	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	69.7	41	18	ug/kg	
132-64-9	Dibenzofuran	ND	82	17	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	82	6.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	82	10	ug/kg	
84-66-2	Diethyl phthalate	ND	82	8.7	ug/kg	
131-11-3	Dimethyl phthalate	ND	82	7.3	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	82	9.6	ug/kg	
206-44-0	Fluoranthene	734	41	18	ug/kg	
86-73-7	Fluorene	32.0	41	19	ug/kg	J
118-74-1	Hexachlorobenzene	ND	82	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	41	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	410	16	ug/kg	
67-72-1	Hexachloroethane	ND	200	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	267	41	19	ug/kg	
78-59-1	Isophorone	ND	82	8.8	ug/kg	
91-57-6	2-Methylnaphthalene	ND	41	9.3	ug/kg	
88-74-4	2-Nitroaniline	ND	200	9.7	ug/kg	
99-09-2	3-Nitroaniline	ND	200	10	ug/kg	
100-01-6	4-Nitroaniline	ND	200	11	ug/kg	
91-20-3	Naphthalene	ND	41	12	ug/kg	
98-95-3	Nitrobenzene	ND	82	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	82	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	15	ug/kg	
85-01-8	Phenanthrene	394	41	14	ug/kg	
129-00-0	Pyrene	731	41	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%		23-115%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-13	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	78.3
Method:	SW846 8270D SW846 3546		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	66%		27-114%
118-79-6	2,4,6-Tribromophenol	74%		19-152%
4165-60-0	Nitrobenzene-d5	71%		26-134%
321-60-8	2-Fluorobiphenyl	74%		39-124%
1718-51-0	Terphenyl-d14	75%		36-134%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP		
Lab Sample ID:	JC61667-13	Date Sampled:	02/28/18
Matrix:	SO - Soil	Date Received:	03/02/18
Method:	SW846 8082A SW846 3546	Percent Solids:	78.3
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF180507.D	1	03/05/18 08:20	HB	03/03/18 06:15	OP10413	GEF6181
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	40	16	ug/kg	
11104-28-2	Aroclor 1221	ND	40	16	ug/kg	
11141-16-5	Aroclor 1232	ND	40	11	ug/kg	
53469-21-9	Aroclor 1242	ND	40	6.4	ug/kg	
12672-29-6	Aroclor 1248	ND	40	23	ug/kg	
11097-69-1	Aroclor 1254	ND	40	9.8	ug/kg	
11096-82-5	Aroclor 1260	ND	40	13	ug/kg	
11100-14-4	Aroclor 1268	ND	40	5.9	ug/kg	
37324-23-5	Aroclor 1262	ND	40	3.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		24-152%
877-09-8	Tetrachloro-m-xylene	93%		24-152%
2051-24-3	Decachlorobiphenyl	83%		10-166%
2051-24-3	Decachlorobiphenyl	102%		10-166%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-13	Date Received:	03/02/18
Matrix:	SO - Soil	Percent Solids:	78.3
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Antimony	< 2.6	2.6	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Arsenic	5.0	2.6	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Beryllium	0.36	0.26	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.64	0.64	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Chromium	37.3	1.3	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Copper	22.9	3.2	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Lead	58.0	2.6	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Mercury	< 0.034	0.034	mg/kg	1	03/06/18	03/06/18	JPM	SW846 7471B ¹ SW846 7471B ⁴
Nickel	36.0	5.1	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Selenium	< 2.6	2.6	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Silver	< 0.64	0.64	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Thallium	< 1.3	1.3	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³
Zinc	114	6.4	mg/kg	1	03/05/18	03/07/18	RP	SW846 6010C ² SW846 3050B ³

- (1) Instrument QC Batch: MA43942
- (2) Instrument QC Batch: MA43949
- (3) Prep QC Batch: MP6039
- (4) Prep QC Batch: MP6052

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	DUP						
Lab Sample ID:	JC61667-13R					Date Sampled:	02/28/18
Matrix:	SO - Soil					Date Received:	03/02/18
Method:	SW846 8260C					Percent Solids:	78.3
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C143069R.D	1	03/06/18 13:11	PS	n/a	n/a	V3C6478
Run #2							

	Initial Weight
Run #1	7.5 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	4.3	1.7	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	1.7	0.85	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	1.7	0.85	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		75-127%
17060-07-0	1,2-Dichloroethane-D4	100%		75-130%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	106%		79-127%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-14	Date Received:	03/02/18
Matrix:	AQ - Equipment Blank	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D85988.D	1	03/07/18 15:21	JP	n/a	n/a	V4D3715
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.0	10	5.0	ug/l	J
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	1.3	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-14	Date Received:	03/02/18
Matrix:	AQ - Equipment Blank	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.59	1.0	0.25	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-120%
17060-07-0	1,2-Dichloroethane-D4	113%		81-124%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	104%		80-120%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-14	Date Received:	03/02/18
Matrix:	AQ - Equipment Blank	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F174800.D	1	03/07/18 07:06	CS	03/05/18 09:20	OP10429	EF7435
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde ^a	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-14	Date Received:	03/02/18
Matrix:	AQ - Equipment Blank	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		10-110%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-14	Date Received:	03/02/18
Matrix:	AQ - Equipment Blank	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	23%		10-110%
118-79-6	2,4,6-Tribromophenol	81%		36-151%
4165-60-0	Nitrobenzene-d5	66%		34-128%
321-60-8	2-Fluorobiphenyl	62%		38-119%
1718-51-0	Terphenyl-d14	81%		26-129%

(a) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.23
4

Report of Analysis

Client Sample ID:	EB						
Lab Sample ID:	JC61667-14					Date Sampled:	02/28/18
Matrix:	AQ - Equipment Blank					Date Received:	03/02/18
Method:	SW846 8082A SW846 3510C					Percent Solids:	n/a
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX224897.D	1	03/08/18 16:16	MH	03/06/18 17:15	OP10482	GXX6269
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.25	0.098	ug/l	
11104-28-2	Aroclor 1221	ND	0.25	0.21	ug/l	
11141-16-5	Aroclor 1232	ND	0.25	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.25	0.11	ug/l	
12672-29-6	Aroclor 1248	ND	0.25	0.063	ug/l	
11097-69-1	Aroclor 1254	ND	0.25	0.21	ug/l	
11096-82-5	Aroclor 1260	ND	0.25	0.076	ug/l	
11100-14-4	Aroclor 1268	ND	0.25	0.087	ug/l	
37324-23-5	Aroclor 1262	ND	0.25	0.097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		11-166%
877-09-8	Tetrachloro-m-xylene	86%		11-166%
2051-24-3	Decachlorobiphenyl	30%		10-150%
2051-24-3	Decachlorobiphenyl	29%		10-150%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EB	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-14	Date Received:	03/02/18
Matrix:	AQ - Equipment Blank	Percent Solids:	n/a
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	03/03/18	03/08/18	ND	SW846 6010C ² SW846 3010A ³
Arsenic	< 3.0	3.0	ug/l	1	03/03/18	03/08/18	ND	SW846 6010C ² SW846 3010A ³
Beryllium	< 1.0	1.0	ug/l	1	03/03/18	03/08/18	ND	SW846 6010C ² SW846 3010A ³
Cadmium	< 3.0	3.0	ug/l	1	03/03/18	03/08/18	ND	SW846 6010C ² SW846 3010A ³
Chromium	< 10	10	ug/l	1	03/03/18	03/08/18	ND	SW846 6010C ² SW846 3010A ³
Copper	< 10	10	ug/l	1	03/03/18	03/08/18	ND	SW846 6010C ² SW846 3010A ³
Lead	< 3.0	3.0	ug/l	1	03/03/18	03/08/18	ND	SW846 6010C ² SW846 3010A ³
Mercury	< 0.20	0.20	ug/l	1	03/05/18	03/05/18	JPM	SW846 7470A ¹ SW846 7470A ⁴
Nickel	< 10	10	ug/l	1	03/03/18	03/08/18	ND	SW846 6010C ² SW846 3010A ³
Selenium	< 10	10	ug/l	1	03/03/18	03/08/18	ND	SW846 6010C ² SW846 3010A ³
Silver	< 10	10	ug/l	1	03/03/18	03/08/18	ND	SW846 6010C ² SW846 3010A ³
Thallium	< 2.0	2.0	ug/l	1	03/03/18	03/08/18	ND	SW846 6010C ² SW846 3010A ³
Zinc	< 20	20	ug/l	1	03/03/18	03/08/18	ND	SW846 6010C ² SW846 3010A ³

- (1) Instrument QC Batch: MA43929
- (2) Instrument QC Batch: MA43958
- (3) Prep QC Batch: MP6018
- (4) Prep QC Batch: MP6040

RL = Reporting Limit

4.23
4

Report of Analysis

Page 1 of 1

Client Sample ID:	EB	Date Sampled:	02/28/18
Lab Sample ID:	JC61667-14R	Date Received:	03/02/18
Matrix:	AQ - Equipment Blank	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B144491R.D	1	03/05/18 17:51	EH	n/a	n/a	V3B6389
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	5.0	1.1	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-120%
17060-07-0	1,2-Dichloroethane-D4	107%		81-124%
2037-26-5	Toluene-D8	93%		80-120%
460-00-4	4-Bromofluorobenzene	94%		80-120%

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



ACCUTEST

CHAIN OF CUSTODY

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499
www.accutest.com

7716 7113 8707
7716 7185 4080
7716 7231 9697

PAGE 1 OF 2

Client / Reporting Information		Project Information		Requested Analysis (see TEST CODE sheet)										Matrix Codes	
Company Name ATC Group Services		Project Name Cabot Sawmill												Bottle Order Control # JC61667	
Street Address 1 Elm St. Suite 3		Street Sawmill Rd.												Matrix Codes DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank	
City Waterbury		City Cabot													
State VT		State VT													
Zip 05676		Zip 05601													
Project Contact Johanna Palmer		Project # 280EM00128													
E-mail Palmer@atcs.com		Client Purchase Order #													
Phone # 802-241-4131		City													
Sampler(s) Name(s) Jo Palmer		Project Manager Johanna Palmer													
Phone #		Attention:													
SGS Accutest Sample #		Collection													
Field ID / Point of Collection		MEQ/ID Vial #													
1 SS-1		22818													
2 SS-2		1525													
3 SS-3		1510													
4 SS-4		1450													
5 SS-5		1430													
6 SS-6		1415													
7 SS-7		1230													
8 SS-8		1140													
9 SS-9		1340													
10 SS-10		1320													
11 SS-11		1305													
Turnaround Time (Business days)		Data Deliverable Information													
☒ Std. 10 Business Days ☐ 5 Day RUSH ☐ 3 Day RUSH ☐ 2 Day RUSH ☐ 1 Day RUSH ☐ other		Approved By (SGS Accutest PM) Date: 3A INITIAL ASSESSMENT LABEL VERIFICATION		☐ Commercial "A" (Level 1) ☒ Commercial "B" (Level 2) ☐ FULLT1 (Level 3+4) ☐ NJ Reduced ☐ Commercial "C" ☐ NJ Data of Known Quality Protocol Reporting Commercial "A" = Results Only, Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data										Comments / Special Instructions EDD please ED1 vocs frozen 2-28-18 @ 1700	
Emergency & Rush T/A data available VIA Lablink		Sample Custody must be documented below each time samples change possession, including courier delivery.													
Relinquished by Sampler 1		Received By 2													
Date Time 3/1/18 10:00		Date Time 3/1/18 10:00													
Relinquished by Sampler 3		Received By 4													
Date Time 3/2/18 10:00		Date Time 3/2/18 10:00													
Relinquished by 5		Received By 5													
Date Time		Date Time													
Custody Seal # 5		Intact ☒ Not Intact ☐													
Preserved where applicable		On Ice ☒ Cooler Temp. ☐													

Form:SM088-01CRev.Date 9/13/16

JC61667: Chain of Custody

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JC61667



ACCUTEST

CHAIN OF CUSTODY

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499
www.acctest.com

PREM

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Client / Reporting Information		Project Information		Requested Analysis (see TEST CODE sheet)										Matrix Codes																	
Company Name ATC Group Services		Project Name Cabot Sawmill												Matrix Codes DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank																	
Street Address 1 Elm St. Suite 3		Street Sawmill Rd.																													
City Waterbury		City Cabot		Billing Information (if different from Report to)																											
State VT		State VT		Company Name																											
Zip 05676		Zip 05676		Street Address																											
Project Contact Therese Palmer		Project # 280E100128																													
E-mail Therese.Palmer@atcgs.com		Client Purchase Order #																													
Phone # 802-241-4131		City Waterbury																													
Fax #		State VT																													
Sampler(s) Name(s) Jo Palmer		Project Manager Therese Palmer																													
Phone #		Attention:																													
Field ID / Point of Collection		MEOH/ID Vial #		Date		Time		Sampled by		Matrix		# of bottles		FCL		MeOH		HNO3		H2SO4		NONE		DI Water		MeOH		ENCORE		LAB USE ONLY	
12		1		2-28-18		1205		AP		50		5		X		X		X		X		X		X		X		X			
13		1		↓		1300		↓		30		5		X		X		X		X		X		X		X		X			
14		1		↓		1600		↓		EB		7		X		X		X		X		X		X		X		X			
5A-6 = 8 ft @ 2/2/18																															
Turnaround Time (Business days)																															
Approved By (SGS Accutest PM) / Date:																															
☒ Std. 10 Business Days																															
☐ 5 Day RUSH																															
☐ 3 Day RUSH																															
☐ 2 Day RUSH																															
☐ 1 Day RUSH																															
☐ other																															
Emergency & Rush T/A data available via Lablink																															
Sample Custody must be documented below each time samples change possession, including courier delivery.																															
Relinquished By: Jo Palmer		Date Time: 3/1/18 10:00		Received By: Jo Palmer		Date Time: 3/1/18 12:00		Relinquished By: Jo Palmer		Date Time: 3/1/18 12:00		Received By: Jo Palmer		Date Time: 3/1/18 12:00		Relinquished By: Jo Palmer		Date Time: 3/1/18 12:00		Received By: Jo Palmer		Date Time: 3/1/18 12:00		Relinquished By: Jo Palmer		Date Time: 3/1/18 12:00		Received By: Jo Palmer		Date Time: 3/1/18 12:00	
Relinquished By: FX		Date Time: 3/7/18 10:00		Received By: FX		Date Time: 3/7/18 10:00		Relinquished By: FX		Date Time: 3/7/18 10:00		Received By: FX		Date Time: 3/7/18 10:00		Relinquished By: FX		Date Time: 3/7/18 10:00		Received By: FX		Date Time: 3/7/18 10:00		Relinquished By: FX		Date Time: 3/7/18 10:00		Received By: FX		Date Time: 3/7/18 10:00	
Relinquished By: FX		Date Time: 3/7/18 10:00		Received By: FX		Date Time: 3/7/18 10:00		Relinquished By: FX		Date Time: 3/7/18 10:00		Received By: FX		Date Time: 3/7/18 10:00		Relinquished By: FX		Date Time: 3/7/18 10:00		Received By: FX		Date Time: 3/7/18 10:00		Relinquished By: FX		Date Time: 3/7/18 10:00		Received By: FX		Date Time: 3/7/18 10:00	
Custody Seal #																															
Intact																															
Not Intact																															
Preserved where applicable																															
On Ice																															
Cooler Temp.																															

Form:SM088-01CRev Date:9/13/16

JC61667: Chain of Custody

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JC61667

SGS Sample Receipt Summary

Job Number: JC61667

Client: ATC Group Services

Project: Cabot Sawmill

Date / Time Received: 3/2/2018 10:00:00 AM

Delivery Method: FedEx

Airbill #s: 7716 7113 8707

Cooler Temps (Raw Measured) °C: Cooler 1: (1.2); Cooler 2: (1.1); Cooler 3: (1.1);

Cooler Temps (Corrected) °C: Cooler 1: (2.7); Cooler 2: (2.6); Cooler 3: (2.6);

Cooler Security
Y or N

1. Custody Seals Present: ☒ ☐
2. Custody Seals Intact: ☒ ☐

3. COC Present: ☒ ☐
4. Smpl Dates/Time OK: ☒ ☐

Cooler Temperature
Y or N

1. Temp criteria achieved: ☒ ☐
2. Cooler temp verification: IR Gun
3. Cooler media: Ice (Bag)
4. No. Coolers: 3

Quality Control Preservation
Y or N N/A

1. Trip Blank present / cooler: ☐ ☒ ☐
2. Trip Blank listed on COC: ☐ ☒ ☐
3. Samples preserved properly: ☒ ☐ ☐
4. VOCs headspace free: ☐ ☐ ☒

Sample Integrity - Documentation
Y or N

1. Sample labels present on bottles: ☒ ☐
2. Container labeling complete: ☒ ☐
3. Sample container label / COC agree: ☒ ☐

Sample Integrity - Condition
Y or N

1. Sample recvd within HT: ☒ ☐
2. All containers accounted for: ☒ ☐
3. Condition of sample: Intact

Sample Integrity - Instructions
Y or N N/A

1. Analysis requested is clear: ☒ ☐
2. Bottles received for unspecified tests: ☒ ☐
3. Sufficient volume recvd for analysis: ☒ ☐
4. Compositing instructions clear: ☐ ☐ ☒
5. Filtering instructions clear: ☐ ☐ ☒

Test Strip Lot #s:

pH 1-12: 216017

pH 12+: 208717

Other: (Specify)

Comments

Received 6 sample sets not on COC with same bottle profile (2 - 40mL MeOH vials and 2 - 40mL DIH2O vials) and no intact soil.

 SB-15-8ft 1/4/18 @ 11:20
 SB-17-8ft 1/4/18 @ 12:30
 SB-21-7ft 1/4/18 @ 14:00
 SB-6-8ft 1/3/18 @ 14:15
 SB-8-8ft 1/3/18 @ 15:00
 SB-10-6ft 1/3/18 @ 16:30

Please confirm if samples need analysis.

 Thanks,
 Dominic

SM089-02 Rev. Date 12/1/16

JC61667: Chain of Custody

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Please hold samples in storage but do not log in or analyze per Johanna Palmer.

JC61667: Chain of Custody
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Job Change Order: JC61667

Requested Date: 5/30/2018 Received Date: 3/2/2018
Account Name: ATC Group Services LLC. Due Date: 3/16/2018
Project Description: Cabot Sawmill, Sawmill Road, Cabot, VT Deliverable: COMMBN
C/O Initiated By: MICHELLE D PM: KD TAT (Days): 1

Sample #: JC61667-5 thru -14 Change: Relog/retrieve for VR8260NAP, VMS+135TMB and VMS+124TMB
Dept:
TAT: 1

Above Changes Per: Johanna Palmer Date/Time: 5/30/2018 4:52:44 PM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B6389-MB	3B144473.D	1	03/05/18	EH	n/a	n/a	V3B6389

The QC reported here applies to the following samples: Method: SW846 8260C

JC61667-14R

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	5.0	1.1	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.24	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	100% 80-120%
17060-07-0	1,2-Dichloroethane-D4	100% 81-124%
2037-26-5	Toluene-D8	97% 80-120%
460-00-4	4-Bromofluorobenzene	97% 80-120%

Method Blank Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C6477-MB	3C143033.D	1	03/05/18	PS	n/a	n/a	V3C6477

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-5R, JC61667-6R, JC61667-7R, JC61667-8R

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.4	ug/kg	
71-43-2	Benzene	ND	0.50	0.11	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.44	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.24	ug/kg	
75-25-2	Bromoform	ND	5.0	0.31	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.70	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	5.2	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.61	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.65	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.29	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.90	ug/kg	
67-66-3	Chloroform	ND	2.0	0.32	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.99	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.34	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.67	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.38	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.25	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.52	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.48	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.61	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.71	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.40	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.58	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.40	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.38	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.24	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/kg	
76-13-1	Freon 113	ND	5.0	0.67	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.8	ug/kg	
98-82-8	Isopropylbenzene	ND	2.0	0.25	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.55	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/kg	

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C6477-MB	3C143033.D	1	03/05/18	PS	n/a	n/a	V3C6477

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-5R, JC61667-6R, JC61667-7R, JC61667-8R

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.8	ug/kg	
75-09-2	Methylene chloride	ND	5.0	2.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
100-42-5	Styrene	ND	2.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.25	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.64	ug/kg	
108-88-3	Toluene	ND	1.0	0.55	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.58	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.42	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.55	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.48	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.77	ug/kg	
	m,p-Xylene	ND	1.0	0.55	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.25	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/kg	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	101% 75-127%
17060-07-0	1,2-Dichloroethane-D4	93% 75-130%
2037-26-5	Toluene-D8	98% 80-120%
460-00-4	4-Bromofluorobenzene	99% 79-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.96	11	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C6478-MB	3C143064.D	1	03/06/18	PS	n/a	n/a	V3C6478

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13, JC61667-9R, JC61667-10R, JC61667-11R, JC61667-12R, JC61667-13R

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	6.4	ug/kg	
71-43-2	Benzene	ND	0.50	0.11	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.44	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.24	ug/kg	
75-25-2	Bromoform	ND	5.0	0.31	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.70	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	5.2	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.61	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.65	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.29	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.90	ug/kg	
67-66-3	Chloroform	ND	2.0	0.32	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.99	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.34	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.67	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.38	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.25	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.52	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.29	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.48	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.61	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.18	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.71	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.40	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.58	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.40	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.38	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.24	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/kg	
76-13-1	Freon 113	ND	5.0	0.67	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.8	ug/kg	
98-82-8	Isopropylbenzene	ND	2.0	0.25	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.55	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.43	ug/kg	

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C6478-MB	3C143064.D	1	03/06/18	PS	n/a	n/a	V3C6478

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13, JC61667-9R, JC61667-10R, JC61667-11R, JC61667-12R, JC61667-13R

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.8	ug/kg	
75-09-2	Methylene chloride	ND	5.0	2.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
100-42-5	Styrene	ND	2.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.25	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.64	ug/kg	
108-88-3	Toluene	ND	1.0	0.55	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.58	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.42	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.55	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.48	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.77	ug/kg	
	m,p-Xylene	ND	1.0	0.55	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.25	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/kg	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	97% 75-127%
17060-07-0	1,2-Dichloroethane-D4	89% 75-130%
2037-26-5	Toluene-D8	98% 80-120%
460-00-4	4-Bromofluorobenzene	100% 79-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.97	8.9	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D3715-MB	4D85977.D	1	03/07/18	JP	n/a	n/a	V4D3715

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-14

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D3715-MB	4D85977.D	1	03/07/18	JP	n/a	n/a	V4D3715

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-14

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	92% 80-120%
17060-07-0	1,2-Dichloroethane-D4	108% 81-124%
2037-26-5	Toluene-D8	99% 80-120%
460-00-4	4-Bromofluorobenzene	106% 80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	4.24	6.9	ug/l	J
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B6389-BS	3B144471.D	1	03/05/18	EH	n/a	n/a	V3B6389

The QC reported here applies to the following samples: Method: SW846 8260C
JC61667-14R

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
91-20-3	Naphthalene	50	55.9	112	73-131
95-63-6	1,2,4-Trimethylbenzene	50	51.9	104	84-120
108-67-8	1,3,5-Trimethylbenzene	50	52.5	105	83-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	80-120%
17060-07-0	1,2-Dichloroethane-D4	95%	81-124%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	99%	80-120%

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C6477-BS	3C143032.D	1	03/05/18	PS	n/a	n/a	V3C6477

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-5R, JC61667-6R, JC61667-7R, JC61667-8R

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	200	227	114	48-149
71-43-2	Benzene	50	50.9	102	74-117
74-97-5	Bromochloromethane	50	52.4	105	82-121
75-27-4	Bromodichloromethane	50	53.9	108	78-119
75-25-2	Bromoform	50	54.6	109	76-130
74-83-9	Bromomethane	50	50.3	101	58-137
78-93-3	2-Butanone (MEK)	200	226	113	65-143
75-15-0	Carbon disulfide	50	48.3	97	66-140
56-23-5	Carbon tetrachloride	50	47.5	95	69-136
108-90-7	Chlorobenzene	50	49.8	100	79-117
75-00-3	Chloroethane	50	55.4	111	62-139
67-66-3	Chloroform	50	50.6	101	76-119
74-87-3	Chloromethane	50	50.8	102	52-144
110-82-7	Cyclohexane	50	47.0	94	64-136
96-12-8	1,2-Dibromo-3-chloropropane	50	55.2	110	72-124
124-48-1	Dibromochloromethane	50	53.6	107	78-122
106-93-4	1,2-Dibromoethane	50	51.9	104	80-116
95-50-1	1,2-Dichlorobenzene	50	49.7	99	77-117
541-73-1	1,3-Dichlorobenzene	50	49.1	98	75-117
106-46-7	1,4-Dichlorobenzene	50	48.1	96	76-115
75-71-8	Dichlorodifluoromethane	50	50.0	100	43-156
75-34-3	1,1-Dichloroethane	50	53.6	107	75-124
107-06-2	1,2-Dichloroethane	50	51.2	102	74-124
75-35-4	1,1-Dichloroethene	50	52.2	104	64-129
156-59-2	cis-1,2-Dichloroethene	50	51.7	103	74-118
156-60-5	trans-1,2-Dichloroethene	50	52.0	104	71-125
78-87-5	1,2-Dichloropropane	50	53.3	107	80-119
10061-01-5	cis-1,3-Dichloropropene	50	51.3	103	80-119
10061-02-6	trans-1,3-Dichloropropene	50	50.3	101	78-119
100-41-4	Ethylbenzene	50	47.9	96	75-118
76-13-1	Freon 113	50	50.7	101	60-181
591-78-6	2-Hexanone	200	211	106	63-138
98-82-8	Isopropylbenzene	50	48.0	96	74-122
79-20-9	Methyl Acetate	50	50.8	102	61-140
108-87-2	Methylcyclohexane	50	48.0	96	67-136
1634-04-4	Methyl Tert Butyl Ether	50	51.1	102	75-123

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC61667

Account: ATCVTW ATC Group Services LLC.

Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C6477-BS	3C143032.D	1	03/05/18	PS	n/a	n/a	V3C6477

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-5R, JC61667-6R, JC61667-7R, JC61667-8R

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	213	107	73-136
75-09-2	Methylene chloride	50	48.1	96	73-120
91-20-3	Naphthalene	50	50.8	102	71-130
100-42-5	Styrene	50	49.6	99	78-120
79-34-5	1,1,2,2-Tetrachloroethane	50	52.5	105	72-120
127-18-4	Tetrachloroethene	50	49.5	99	69-128
108-88-3	Toluene	50	46.9	94	74-117
87-61-6	1,2,3-Trichlorobenzene	50	52.1	104	72-133
120-82-1	1,2,4-Trichlorobenzene	50	53.7	107	73-132
71-55-6	1,1,1-Trichloroethane	50	49.1	98	73-131
79-00-5	1,1,2-Trichloroethane	50	52.2	104	79-117
79-01-6	Trichloroethene	50	51.5	103	80-120
75-69-4	Trichlorofluoromethane	50	51.8	104	63-141
95-63-6	1,2,4-Trimethylbenzene	50	46.5	93	76-119
108-67-8	1,3,5-Trimethylbenzene	50	47.2	94	74-119
75-01-4	Vinyl chloride	50	54.1	108	55-145
	m,p-Xylene	100	95.6	96	75-120
95-47-6	o-Xylene	50	48.8	98	75-119
1330-20-7	Xylene (total)	150	144	96	76-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	75-127%
17060-07-0	1,2-Dichloroethane-D4	97%	75-130%
2037-26-5	Toluene-D8	99%	80-120%
460-00-4	4-Bromofluorobenzene	99%	79-127%

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C6478-BS	3C143063.D	1	03/06/18	PS	n/a	n/a	V3C6478

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13, JC61667-9R, JC61667-10R, JC61667-11R, JC61667-12R, JC61667-13R

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	200	191	96	48-149
71-43-2	Benzene	50	45.3	91	74-117
74-97-5	Bromochloromethane	50	47.7	95	82-121
75-27-4	Bromodichloromethane	50	48.4	97	78-119
75-25-2	Bromoform	50	47.7	95	76-130
74-83-9	Bromomethane	50	46.2	92	58-137
78-93-3	2-Butanone (MEK)	200	195	98	65-143
75-15-0	Carbon disulfide	50	42.9	86	66-140
56-23-5	Carbon tetrachloride	50	42.6	85	69-136
108-90-7	Chlorobenzene	50	44.1	88	79-117
75-00-3	Chloroethane	50	51.8	104	62-139
67-66-3	Chloroform	50	44.1	88	76-119
74-87-3	Chloromethane	50	49.1	98	52-144
110-82-7	Cyclohexane	50	46.0	92	64-136
96-12-8	1,2-Dibromo-3-chloropropane	50	49.6	99	72-124
124-48-1	Dibromochloromethane	50	48.0	96	78-122
106-93-4	1,2-Dibromoethane	50	46.5	93	80-116
95-50-1	1,2-Dichlorobenzene	50	43.8	88	77-117
541-73-1	1,3-Dichlorobenzene	50	43.0	86	75-117
106-46-7	1,4-Dichlorobenzene	50	42.0	84	76-115
75-71-8	Dichlorodifluoromethane	50	48.0	96	43-156
75-34-3	1,1-Dichloroethane	50	47.8	96	75-124
107-06-2	1,2-Dichloroethane	50	46.4	93	74-124
75-35-4	1,1-Dichloroethene	50	46.5	93	64-129
156-59-2	cis-1,2-Dichloroethene	50	45.9	92	74-118
156-60-5	trans-1,2-Dichloroethene	50	45.3	91	71-125
78-87-5	1,2-Dichloropropane	50	47.1	94	80-119
10061-01-5	cis-1,3-Dichloropropene	50	45.3	91	80-119
10061-02-6	trans-1,3-Dichloropropene	50	43.5	87	78-119
100-41-4	Ethylbenzene	50	41.7	83	75-118
76-13-1	Freon 113	50	45.0	90	60-181
591-78-6	2-Hexanone	200	187	94	63-138
98-82-8	Isopropylbenzene	50	41.8	84	74-122
79-20-9	Methyl Acetate	50	46.8	94	61-140
108-87-2	Methylcyclohexane	50	42.7	85	67-136
1634-04-4	Methyl Tert Butyl Ether	50	46.3	93	75-123

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C6478-BS	3C143063.D	1	03/06/18	PS	n/a	n/a	V3C6478

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13, JC61667-9R, JC61667-10R, JC61667-11R, JC61667-12R, JC61667-13R

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	197	99	73-136
75-09-2	Methylene chloride	50	42.8	86	73-120
91-20-3	Naphthalene	50	45.4	91	71-130
100-42-5	Styrene	50	43.4	87	78-120
79-34-5	1,1,2,2-Tetrachloroethane	50	46.8	94	72-120
127-18-4	Tetrachloroethene	50	42.7	85	69-128
108-88-3	Toluene	50	41.1	82	74-117
87-61-6	1,2,3-Trichlorobenzene	50	45.6	91	72-133
120-82-1	1,2,4-Trichlorobenzene	50	45.6	91	73-132
71-55-6	1,1,1-Trichloroethane	50	43.8	88	73-131
79-00-5	1,1,2-Trichloroethane	50	46.2	92	79-117
79-01-6	Trichloroethene	50	45.3	91	80-120
75-69-4	Trichlorofluoromethane	50	47.5	95	63-141
95-63-6	1,2,4-Trimethylbenzene	50	41.2	82	76-119
108-67-8	1,3,5-Trimethylbenzene	50	41.8	84	74-119
75-01-4	Vinyl chloride	50	51.9	104	55-145
	m,p-Xylene	100	82.6	83	75-120
95-47-6	o-Xylene	50	42.6	85	75-119
1330-20-7	Xylene (total)	150	125	83	76-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	75-127%
17060-07-0	1,2-Dichloroethane-D4	96%	75-130%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	100%	79-127%

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D3715-BS	4D85975.D	1	03/07/18	JP	n/a	n/a	V4D3715

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	256	128	42-150
71-43-2	Benzene	50	49.6	99	80-120
74-97-5	Bromochloromethane	50	46.2	92	84-121
75-27-4	Bromodichloromethane	50	54.2	108	83-120
75-25-2	Bromoform	50	49.8	100	76-129
74-83-9	Bromomethane	50	42.2	84	57-138
78-93-3	2-Butanone (MEK)	200	213	107	64-137
75-15-0	Carbon disulfide	50	48.3	97	64-137
56-23-5	Carbon tetrachloride	50	47.8	96	75-135
108-90-7	Chlorobenzene	50	48.2	96	84-117
75-00-3	Chloroethane	50	52.2	104	63-132
67-66-3	Chloroform	50	50.1	100	80-119
74-87-3	Chloromethane	50	54.0	108	46-136
110-82-7	Cyclohexane	50	39.7	79	64-137
96-12-8	1,2-Dibromo-3-chloropropane	50	53.0	106	72-127
124-48-1	Dibromochloromethane	50	50.8	102	80-123
106-93-4	1,2-Dibromoethane	50	48.4	97	84-117
95-50-1	1,2-Dichlorobenzene	50	51.6	103	84-119
541-73-1	1,3-Dichlorobenzene	50	50.0	100	81-117
106-46-7	1,4-Dichlorobenzene	50	49.5	99	82-117
75-71-8	Dichlorodifluoromethane	50	40.7	81	36-149
75-34-3	1,1-Dichloroethane	50	52.3	105	79-120
107-06-2	1,2-Dichloroethane	50	56.3	113	78-126
75-35-4	1,1-Dichloroethene	50	45.3	91	69-126
156-59-2	cis-1,2-Dichloroethene	50	45.8	92	80-120
156-60-5	trans-1,2-Dichloroethene	50	44.6	89	76-120
78-87-5	1,2-Dichloropropane	50	54.5	109	82-121
10061-01-5	cis-1,3-Dichloropropene	50	52.2	104	83-120
10061-02-6	trans-1,3-Dichloropropene	50	52.2	104	82-121
100-41-4	Ethylbenzene	50	50.1	100	80-120
76-13-1	Freon 113	50	35.1	70	62-182
591-78-6	2-Hexanone	200	227	114	65-132
98-82-8	Isopropylbenzene	50	50.1	100	83-120
79-20-9	Methyl Acetate	50	51.1	102	67-129
108-87-2	Methylcyclohexane	50	38.3	77	71-134
1634-04-4	Methyl Tert Butyl Ether	50	48.7	97	80-119

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC61667

Account: ATCVTW ATC Group Services LLC.

Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D3715-BS	4D85975.D	1	03/07/18	JP	n/a	n/a	V4D3715

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	210	105	71-131
75-09-2	Methylene chloride	50	48.3	97	77-120
100-42-5	Styrene	50	49.6	99	82-122
79-34-5	1,1,2,2-Tetrachloroethane	50	54.8	110	76-119
127-18-4	Tetrachloroethene	50	50.4	101	70-131
108-88-3	Toluene	50	48.5	97	80-120
87-61-6	1,2,3-Trichlorobenzene	50	54.4	109	76-134
120-82-1	1,2,4-Trichlorobenzene	50	51.8	104	79-132
71-55-6	1,1,1-Trichloroethane	50	49.6	99	81-128
79-00-5	1,1,2-Trichloroethane	50	53.0	106	83-118
79-01-6	Trichloroethene	50	48.0	96	80-120
75-69-4	Trichlorofluoromethane	50	46.7	93	64-136
75-01-4	Vinyl chloride	50	52.7	105	51-135
	m,p-Xylene	100	98.3	98	80-120
95-47-6	o-Xylene	50	50.0	100	80-120
1330-20-7	Xylene (total)	150	148	99	80-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	94%	80-120%
17060-07-0	1,2-Dichloroethane-D4	109%	81-124%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	104%	80-120%

* = Outside of Control Limits.

Matrix Spike Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC61496-5MS	3C143046.D	1	03/05/18	PS	n/a	n/a	V3C6477
JC61496-5	3C143036.D	1	03/05/18	PS	n/a	n/a	V3C6477

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-5R, JC61667-6R, JC61667-7R, JC61667-8R

CAS No.	Compound	JC61496-5 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	Limits
67-64-1	Acetone	70.2		233	245	75	10-157
71-43-2	Benzene	ND		58.3	59.3	102	58-125
74-97-5	Bromochloromethane	ND		58.3	65.3	112	60-127
75-27-4	Bromodichloromethane	ND		58.3	61.9	106	57-128
75-25-2	Bromoform	ND		58.3	56.8	97	48-133
74-83-9	Bromomethane	ND		58.3	61.5	105	31-141
78-93-3	2-Butanone (MEK)	ND		233	240	103	29-146
75-15-0	Carbon disulfide	ND		58.3	56.1	96	47-145
56-23-5	Carbon tetrachloride	ND		58.3	55.6	95	51-143
108-90-7	Chlorobenzene	ND		58.3	56.1	96	54-130
75-00-3	Chloroethane	ND		58.3	64.2	110	22-153
67-66-3	Chloroform	ND		58.3	61.9	106	61-125
74-87-3	Chloromethane	ND		58.3	60.2	103	43-142
110-82-7	Cyclohexane	ND		58.3	60.1	103	37-148
96-12-8	1,2-Dibromo-3-chloropropane	ND		58.3	52.9	91	41-127
124-48-1	Dibromochloromethane	ND		58.3	59.0	101	56-127
106-93-4	1,2-Dibromoethane	ND		58.3	57.2	98	54-121
95-50-1	1,2-Dichlorobenzene	ND		58.3	54.1	93	41-134
541-73-1	1,3-Dichlorobenzene	ND		58.3	52.4	90	41-135
106-46-7	1,4-Dichlorobenzene	ND		58.3	50.7	87	41-133
75-71-8	Dichlorodifluoromethane	ND		58.3	58.6	100	30-153
75-34-3	1,1-Dichloroethane	ND		58.3	65.9	113	61-131
107-06-2	1,2-Dichloroethane	ND		58.3	58.7	101	56-126
75-35-4	1,1-Dichloroethene	ND		58.3	64.7	111	53-132
156-59-2	cis-1,2-Dichloroethene	ND		58.3	63.3	108	57-125
156-60-5	trans-1,2-Dichloroethene	ND		58.3	61.2	105	56-130
78-87-5	1,2-Dichloropropane	ND		58.3	61.9	106	63-126
10061-01-5	cis-1,3-Dichloropropene	ND		58.3	53.1	91	55-126
10061-02-6	trans-1,3-Dichloropropene	ND		58.3	49.3	85	51-126
100-41-4	Ethylbenzene	ND		58.3	53.2	91	49-132
76-13-1	Freon 113	ND		58.3	60.8	104	42-179
591-78-6	2-Hexanone	ND		233	212	91	25-150
98-82-8	Isopropylbenzene	ND		58.3	53.7	92	43-141
79-20-9	Methyl Acetate	3.2	J	58.3	57.8	94	32-158
108-87-2	Methylcyclohexane	ND		58.3	55.2	95	22-158
1634-04-4	Methyl Tert Butyl Ether	ND		58.3	61.7	106	58-123

* = Outside of Control Limits.

Matrix Spike Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC61496-5MS	3C143046.D	1	03/05/18	PS	n/a	n/a	V3C6477
JC61496-5	3C143036.D	1	03/05/18	PS	n/a	n/a	V3C6477

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-5R, JC61667-6R, JC61667-7R, JC61667-8R

CAS No.	Compound	JC61496-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		233	231	99	40-140
75-09-2	Methylene chloride	ND		58.3	59.2	101	57-123
91-20-3	Naphthalene	ND		58.3	52.4	90	22-145
100-42-5	Styrene	ND		58.3	55.3	95	46-139
79-34-5	1,1,2,2-Tetrachloroethane	ND		58.3	47.5	81	44-127
127-18-4	Tetrachloroethene	ND		58.3	53.3	91	39-154
108-88-3	Toluene	0.64	J	58.3	52.9	90	54-127
87-61-6	1,2,3-Trichlorobenzene	ND		58.3	52.9	91	17-151
120-82-1	1,2,4-Trichlorobenzene	ND		58.3	52.1	89	19-153
71-55-6	1,1,1-Trichloroethane	ND		58.3	59.8	102	57-138
79-00-5	1,1,2-Trichloroethane	ND		58.3	57.9	99	53-127
79-01-6	Trichloroethene	ND		58.3	66.4	114	52-140
75-69-4	Trichlorofluoromethane	ND		58.3	59.9	103	46-142
95-63-6	1,2,4-Trimethylbenzene	ND		58.3	51.1	88	39-142
108-67-8	1,3,5-Trimethylbenzene	ND		58.3	52.4	90	40-140
75-01-4	Vinyl chloride	ND		58.3	63.7	109	43-146
	m,p-Xylene	ND		117	105	90	45-137
95-47-6	o-Xylene	ND		58.3	55.0	94	48-135
1330-20-7	Xylene (total)	ND		175	160	91	46-137

CAS No.	Surrogate Recoveries	MS	JC61496-5	Limits
1868-53-7	Dibromofluoromethane	107%	105%	75-127%
17060-07-0	1,2-Dichloroethane-D4	94%	97%	75-130%
2037-26-5	Toluene-D8	99%	98%	80-120%
460-00-4	4-Bromofluorobenzene	100%	99%	79-127%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC61667-9RMS	3C143072R.D	1	03/06/18	PS	n/a	n/a	V3C6478
JC61667-9R	3C143065R.D	1	03/06/18	PS	n/a	n/a	V3C6478

The QC reported here applies to the following samples: Method: SW846 8260C

JC61667-9R

CAS No.	Compound	JC61667-9R ug/kg	Spike Q	MS ug/kg	MS %	Limits
91-20-3	Naphthalene	ND	78.2	37.5	48	22-145
95-63-6	1,2,4-Trimethylbenzene	ND	78.2	55.2	71	39-142
108-67-8	1,3,5-Trimethylbenzene	ND	78.2	56.7	72	40-140

CAS No.	Surrogate Recoveries	MS	JC61667-9R	Limits
1868-53-7	Dibromofluoromethane	99%	100%	75-127%
17060-07-0	1,2-Dichloroethane-D4	93%	94%	75-130%
2037-26-5	Toluene-D8	100%	98%	80-120%
460-00-4	4-Bromofluorobenzene	104%	102%	79-127%

* = Outside of Control Limits.

Matrix Spike Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC61667-9MS	3C143072.D	1	03/06/18	PS	n/a	n/a	V3C6478
JC61667-9	3C143065.D	1	03/06/18	PS	n/a	n/a	V3C6478

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13, JC61667-10R, JC61667-11R, JC61667-12R, JC61667-13R

CAS No.	Compound	JC61667-9 ug/kg	Spike Q	MS ug/kg	MS %	Limits
67-64-1	Acetone	105	313	243	44	10-157
71-43-2	Benzene	ND	78.2	74.8	96	58-125
74-97-5	Bromochloromethane	ND	78.2	77.3	99	60-127
75-27-4	Bromodichloromethane	ND	78.2	74.7	95	57-128
75-25-2	Bromoform	ND	78.2	59.2	76	48-133
74-83-9	Bromomethane	ND	78.2	67.4	86	31-141
78-93-3	2-Butanone (MEK)	ND	313	249	80	29-146
75-15-0	Carbon disulfide	ND	78.2	66.8	85	47-145
56-23-5	Carbon tetrachloride	ND	78.2	62.3	80	51-143
108-90-7	Chlorobenzene	ND	78.2	64.2	82	54-130
75-00-3	Chloroethane	ND	78.2	71.6	92	22-153
67-66-3	Chloroform	ND	78.2	75.5	97	61-125
74-87-3	Chloromethane	ND	78.2	74.2	95	43-142
110-82-7	Cyclohexane	ND	78.2	58.8	75	37-148
96-12-8	1,2-Dibromo-3-chloropropane	ND	78.2	56.2	72	41-127
124-48-1	Dibromochloromethane	ND	78.2	68.8	88	56-127
106-93-4	1,2-Dibromoethane	ND	78.2	68.1	87	54-121
95-50-1	1,2-Dichlorobenzene	ND	78.2	50.5	65	41-134
541-73-1	1,3-Dichlorobenzene	ND	78.2	50.6	65	41-135
106-46-7	1,4-Dichlorobenzene	ND	78.2	50.1	64	41-133
75-71-8	Dichlorodifluoromethane	ND	78.2	71.4	91	30-153
75-34-3	1,1-Dichloroethane	ND	78.2	81.4	104	61-131
107-06-2	1,2-Dichloroethane	ND	78.2	72.0	92	56-126
75-35-4	1,1-Dichloroethene	ND	78.2	77.8	99	53-132
156-59-2	cis-1,2-Dichloroethene	ND	78.2	77.2	99	57-125
156-60-5	trans-1,2-Dichloroethene	ND	78.2	75.4	96	56-130
78-87-5	1,2-Dichloropropane	ND	78.2	76.8	98	63-126
10061-01-5	cis-1,3-Dichloropropene	ND	78.2	64.3	82	55-126
10061-02-6	trans-1,3-Dichloropropene	ND	78.2	61.3	78	51-126
100-41-4	Ethylbenzene	ND	78.2	62.4	80	49-132
76-13-1	Freon 113	ND	78.2	65.4	84	42-179
591-78-6	2-Hexanone	ND	313	235	75	25-150
98-82-8	Isopropylbenzene	ND	78.2	57.5	74	43-141
79-20-9	Methyl Acetate	100	78.2	200	128	32-158
108-87-2	Methylcyclohexane	ND	78.2	47.0	60	22-158
1634-04-4	Methyl Tert Butyl Ether	ND	78.2	73.0	93	58-123

* = Outside of Control Limits.

Matrix Spike Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC61667-9MS	3C143072.D	1	03/06/18	PS	n/a	n/a	V3C6478
JC61667-9	3C143065.D	1	03/06/18	PS	n/a	n/a	V3C6478

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13, JC61667-10R, JC61667-11R, JC61667-12R, JC61667-13R

CAS No.	Compound	JC61667-9 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		313	266	85	40-140
75-09-2	Methylene chloride	ND		78.2	72.8	93	57-123
91-20-3	Naphthalene	ND		78.2	37.5	48	22-145
100-42-5	Styrene	ND		78.2	60.4	77	46-139
79-34-5	1,1,2,2-Tetrachloroethane	ND		78.2	63.4	81	44-127
127-18-4	Tetrachloroethene	ND		78.2	59.8	76	39-154
108-88-3	Toluene	4.4		78.2	66.2	79	54-127
87-61-6	1,2,3-Trichlorobenzene	ND		78.2	30.6	39	17-151
120-82-1	1,2,4-Trichlorobenzene	ND		78.2	33.3	43	19-153
71-55-6	1,1,1-Trichloroethane	ND		78.2	70.6	90	57-138
79-00-5	1,1,2-Trichloroethane	ND		78.2	71.1	91	53-127
79-01-6	Trichloroethene	ND		78.2	73.5	94	52-140
75-69-4	Trichlorofluoromethane	ND		78.2	69.5	89	46-142
95-63-6	1,2,4-Trimethylbenzene	ND		78.2	55.2	71	39-142
108-67-8	1,3,5-Trimethylbenzene	ND		78.2	56.7	72	40-140
75-01-4	Vinyl chloride	ND		78.2	80.2	103	43-146
	m,p-Xylene	1.4	J	156	121	76	45-137
95-47-6	o-Xylene	0.55	J	78.2	63.1	80	48-135
1330-20-7	Xylene (total)	2.0		235	184	78	46-137

CAS No.	Surrogate Recoveries	MS	JC61667-9	Limits
1868-53-7	Dibromofluoromethane	99%	100%	75-127%
17060-07-0	1,2-Dichloroethane-D4	93%	94%	75-130%
2037-26-5	Toluene-D8	100%	98%	80-120%
460-00-4	4-Bromofluorobenzene	104%	102%	79-127%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC61586-5MS	3B144474.D	20	03/05/18	EH	n/a	n/a	V3B6389
JC61586-5MSD	3B144475.D	20	03/05/18	EH	n/a	n/a	V3B6389
JC61586-5	3B144477.D	20	03/05/18	EH	n/a	n/a	V3B6389

The QC reported here applies to the following samples: Method: SW846 8260C

JC61667-14R

CAS No.	Compound	JC61586-5 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
91-20-3	Naphthalene	ND	1000	1030	103	1000	1050	105	2	62-141/13
95-63-6	1,2,4-Trimethylbenzene	ND	1000	1120	112	1000	1090	109	3	54-143/10
108-67-8	1,3,5-Trimethylbenzene	ND	1000	1140	114	1000	1110	111	3	67-133/11

CAS No.	Surrogate Recoveries	MS	MSD	JC61586-5	Limits
1868-53-7	Dibromofluoromethane	100%	100%	102%	80-120%
17060-07-0	1,2-Dichloroethane-D4	98%	98%	101%	81-124%
2037-26-5	Toluene-D8	99%	100%	93%	80-120%
460-00-4	4-Bromofluorobenzene	101%	101%	95%	80-120%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 2

Job Number: JC61667

Account: ATCVTW ATC Group Services LLC.

Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC61586-9MS	4D85982.D	25	03/07/18	JP	n/a	n/a	V4D3715
JC61586-9MSD	4D85983.D	25	03/07/18	JP	n/a	n/a	V4D3715
JC61586-9	4D85981.D	25	03/07/18	JP	n/a	n/a	V4D3715
JC61586-9	4D85984.D	250	03/07/18	JP	n/a	n/a	V4D3715

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-14

CAS No.	Compound	JC61586-9 ug/l	Spike Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		5000	4080	82	5000	4080	82	0	34-149/17
71-43-2	Benzene	5.5	J	1250	1180	94	1250	1150	92	3	54-136/10
74-97-5	Bromochloromethane	ND		1250	1110	89	1250	1080	86	3	79-124/11
75-27-4	Bromodichloromethane	ND		1250	1270	102	1250	1220	98	4	79-124/11
75-25-2	Bromoform	ND		1250	1100	88	1250	1070	86	3	71-130/11
74-83-9	Bromomethane	ND		1250	864	69	1250	928	74	7	53-142/14
78-93-3	2-Butanone (MEK)	ND		5000	4390	88	5000	4420	88	1	54-142/15
75-15-0	Carbon disulfide	ND		1250	1200	96	1250	1150	92	4	59-145/17
56-23-5	Carbon tetrachloride	ND		1250	1150	92	1250	1110	89	4	70-143/12
108-90-7	Chlorobenzene	ND		1250	1130	90	1250	1090	87	4	78-123/10
75-00-3	Chloroethane	ND		1250	1140	91	1250	1070	86	6	57-141/14
67-66-3	Chloroform	9.2	J	1250	1180	94	1250	1150	91	3	76-123/11
74-87-3	Chloromethane	ND		1250	1110	89	1250	1050	84	6	43-141/16
110-82-7	Cyclohexane	ND		1250	1200	96	1250	1150	92	4	51-155/16
96-12-8	1,2-Dibromo-3-chloropropane	ND		1250	1180	94	1250	1170	94	1	66-130/13
124-48-1	Dibromochloromethane	ND		1250	1180	94	1250	1130	90	4	76-125/11
106-93-4	1,2-Dibromoethane	ND		1250	1140	91	1250	1100	88	4	78-119/11
95-50-1	1,2-Dichlorobenzene	ND		1250	1180	94	1250	1120	90	5	77-123/11
541-73-1	1,3-Dichlorobenzene	ND		1250	1140	91	1250	1110	89	3	76-122/11
106-46-7	1,4-Dichlorobenzene	ND		1250	1130	90	1250	1080	86	5	76-122/11
75-71-8	Dichlorodifluoromethane	ND		1250	1190	95	1250	1100	88	8	31-159/16
75-34-3	1,1-Dichloroethane	ND		1250	1260	101	1250	1210	97	4	73-126/11
107-06-2	1,2-Dichloroethane	7.3	J	1250	1310	104	1250	1290	103	2	72-131/11
75-35-4	1,1-Dichloroethene	ND		1250	1160	93	1250	1100	88	5	63-136/14
156-59-2	cis-1,2-Dichloroethene	1300		1250	2250	76	1250	2190	71	3	60-136/11
156-60-5	trans-1,2-Dichloroethene	18.5	J	1250	1090	86	1250	1060	83	3	70-126/11
78-87-5	1,2-Dichloropropane	ND		1250	1300	104	1250	1240	99	5	78-124/10
10061-01-5	cis-1,3-Dichloropropene	ND		1250	1250	100	1250	1200	96	4	79-123/11
10061-02-6	trans-1,3-Dichloropropene	ND		1250	1200	96	1250	1160	93	3	77-123/11
100-41-4	Ethylbenzene	ND		1250	1170	94	1250	1110	89	5	51-140/20
76-13-1	Freon 113	ND		1250	1150	92	1250	1090	87	5	60-192/14
591-78-6	2-Hexanone	ND		5000	4800	96	5000	4740	95	1	56-139/14
98-82-8	Isopropylbenzene	ND		1250	1150	92	1250	1090	87	5	75-129/11
79-20-9	Methyl Acetate	ND		1250	1210	97	1250	1210	97	0	55-131/15
108-87-2	Methylcyclohexane	ND		1250	1230	98	1250	1160	93	6	57-155/13
1634-04-4	Methyl Tert Butyl Ether	176		1250	1340	93	1250	1320	92	2	72-123/11

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC61667

Account: ATCVTW ATC Group Services LLC.

Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC61586-9MS	4D85982.D	25	03/07/18	JP	n/a	n/a	V4D3715
JC61586-9MSD	4D85983.D	25	03/07/18	JP	n/a	n/a	V4D3715
JC61586-9	4D85981.D	25	03/07/18	JP	n/a	n/a	V4D3715
JC61586-9	4D85984.D	250	03/07/18	JP	n/a	n/a	V4D3715

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-14

CAS No.	Compound	JC61586-9 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5000	4980	100	5000	4900	98	2	66-136/13
75-09-2	Methylene chloride	ND	1250	1180	94	1250	1140	91	3	73-125/13
100-42-5	Styrene	ND	1250	1160	93	1250	1110	89	4	75-129/11
79-34-5	1,1,2,2-Tetrachloroethane	ND	1250	1240	99	1250	1220	98	2	71-122/11
127-18-4	Tetrachloroethene	133	1250	1300	93	1250	1210	86	7	61-139/11
108-88-3	Toluene	ND	1250	1120	90	1250	1070	86	5	60-135/10
87-61-6	1,2,3-Trichlorobenzene	ND	1250	1220	98	1250	1180	94	3	70-138/13
120-82-1	1,2,4-Trichlorobenzene	ND	1250	1190	95	1250	1140	91	4	72-137/13
71-55-6	1,1,1-Trichloroethane	ND	1250	1180	94	1250	1140	91	3	74-138/12
79-00-5	1,1,2-Trichloroethane	ND	1250	1210	97	1250	1180	94	3	78-121/11
79-01-6	Trichloroethene	7460 ^b	1250	7930	38* ^a	1250	7620	13* ^a	4	62-141/10
75-69-4	Trichlorofluoromethane	ND	1250	1120	90	1250	1050	84	6	57-149/14
75-01-4	Vinyl chloride	ND	1250	1110	89	1250	1040	83	7	43-146/15
	m,p-Xylene	ND	2500	2270	91	2500	2160	86	5	50-144/20
95-47-6	o-Xylene	ND	1250	1150	92	1250	1090	87	5	63-134/10
1330-20-7	Xylene (total)	ND	3750	3420	91	3750	3250	87	5	56-139/20

CAS No.	Surrogate Recoveries	MS	MSD	JC61586-9	JC61586-9	Limits
1868-53-7	Dibromofluoromethane	94%	96%	92%	94%	80-120%
17060-07-0	1,2-Dichloroethane-D4	106%	109%	107%	109%	81-124%
2037-26-5	Toluene-D8	96%	96%	98%	98%	80-120%
460-00-4	4-Bromofluorobenzene	104%	105%	104%	104%	80-120%

(a) Outside control limits due to high level in sample relative to spike amount.

(b) Result is from Run #2.

* = Outside of Control Limits.

Duplicate Summary

Page 1 of 2

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC61496-1DUP	3C143040.D	1	03/05/18	PS	n/a	n/a	V3C6477
JC61496-1	3C143035.D	1	03/05/18	PS	n/a	n/a	V3C6477

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-5R, JC61667-6R, JC61667-7R, JC61667-8R

CAS No.	Compound	JC61496-1 ug/kg	DUP Q	ug/kg	Q	RPD	Limits
67-64-1	Acetone	50.1		48.7		3	40
71-43-2	Benzene	ND		ND		nc	30
74-97-5	Bromochloromethane	ND		ND		nc	30
75-27-4	Bromodichloromethane	ND		ND		nc	30
75-25-2	Bromoform	ND		ND		nc	30
74-83-9	Bromomethane	ND		ND		nc	30
78-93-3	2-Butanone (MEK)	ND		ND		nc	30
75-15-0	Carbon disulfide	ND		ND		nc	30
56-23-5	Carbon tetrachloride	ND		ND		nc	30
108-90-7	Chlorobenzene	ND		ND		nc	30
75-00-3	Chloroethane	ND		ND		nc	30
67-66-3	Chloroform	ND		ND		nc	30
74-87-3	Chloromethane	ND		ND		nc	30
110-82-7	Cyclohexane	ND		ND		nc	30
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	30
124-48-1	Dibromochloromethane	ND		ND		nc	30
106-93-4	1,2-Dibromoethane	ND		ND		nc	30
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	30
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	30
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	30
75-71-8	Dichlorodifluoromethane	ND		ND		nc	30
75-34-3	1,1-Dichloroethane	ND		ND		nc	30
107-06-2	1,2-Dichloroethane	ND		ND		nc	30
75-35-4	1,1-Dichloroethene	ND		ND		nc	30
156-59-2	cis-1,2-Dichloroethene	ND		0.97	J	200* a	30
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	30
78-87-5	1,2-Dichloropropane	ND		ND		nc	30
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	30
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	30
100-41-4	Ethylbenzene	ND		ND		nc	30
76-13-1	Freon 113	ND		ND		nc	30
591-78-6	2-Hexanone	ND		ND		nc	30
98-82-8	Isopropylbenzene	ND		ND		nc	30
79-20-9	Methyl Acetate	ND		3.3	J	200* a	30
108-87-2	Methylcyclohexane	ND		ND		nc	30
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	30

* = Outside of Control Limits.

Duplicate Summary

Page 2 of 2

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC61496-1DUP	3C143040.D	1	03/05/18	PS	n/a	n/a	V3C6477
JC61496-1	3C143035.D	1	03/05/18	PS	n/a	n/a	V3C6477

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-5R, JC61667-6R, JC61667-7R, JC61667-8R

CAS No.	Compound	JC61496-1 ug/kg	DUP Q	ug/kg	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	30
75-09-2	Methylene chloride	ND		ND		nc	36
91-20-3	Naphthalene	ND		ND		nc	30
100-42-5	Styrene	ND		ND		nc	30
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	30
127-18-4	Tetrachloroethene	1.1	J	3.9		112* a	30
108-88-3	Toluene	ND		ND		nc	24
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	30
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	30
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	30
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	30
79-01-6	Trichloroethene	ND		ND		nc	30
75-69-4	Trichlorofluoromethane	ND		ND		nc	30
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	30
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	30
75-01-4	Vinyl chloride	ND		ND		nc	30
	m,p-Xylene	ND		ND		nc	32
95-47-6	o-Xylene	ND		ND		nc	30
1330-20-7	Xylene (total)	ND		ND		nc	33

CAS No.	Surrogate Recoveries	DUP	JC61496-1	Limits
1868-53-7	Dibromofluoromethane	105%	103%	75-127%
17060-07-0	1,2-Dichloroethane-D4	97%	97%	75-130%
2037-26-5	Toluene-D8	98%	96%	80-120%
460-00-4	4-Bromofluorobenzene	100%	100%	79-127%

(a) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

Duplicate Summary

Page 1 of 2

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC61667-10DUP	3C143070.D	1	03/06/18	PS	n/a	n/a	V3C6478
JC61667-10	3C143066.D	1	03/06/18	PS	n/a	n/a	V3C6478

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13, JC61667-9R, JC61667-11R, JC61667-12R, JC61667-13R

CAS No.	Compound	JC61667-10 DUP		Q	RPD	Limits
		ug/kg	Q ug/kg			
67-64-1	Acetone	24.0	ND		200* a	40
71-43-2	Benzene	ND	ND		nc	30
74-97-5	Bromochloromethane	ND	ND		nc	30
75-27-4	Bromodichloromethane	ND	ND		nc	30
75-25-2	Bromoform	ND	ND		nc	30
74-83-9	Bromomethane	ND	ND		nc	30
78-93-3	2-Butanone (MEK)	ND	ND		nc	30
75-15-0	Carbon disulfide	ND	ND		nc	30
56-23-5	Carbon tetrachloride	ND	ND		nc	30
108-90-7	Chlorobenzene	ND	ND		nc	30
75-00-3	Chloroethane	ND	ND		nc	30
67-66-3	Chloroform	ND	ND		nc	30
74-87-3	Chloromethane	ND	ND		nc	30
110-82-7	Cyclohexane	ND	ND		nc	30
96-12-8	1,2-Dibromo-3-chloropropane	ND	ND		nc	30
124-48-1	Dibromochloromethane	ND	ND		nc	30
106-93-4	1,2-Dibromoethane	ND	ND		nc	30
95-50-1	1,2-Dichlorobenzene	ND	ND		nc	30
541-73-1	1,3-Dichlorobenzene	ND	ND		nc	30
106-46-7	1,4-Dichlorobenzene	ND	ND		nc	30
75-71-8	Dichlorodifluoromethane	ND	ND		nc	30
75-34-3	1,1-Dichloroethane	ND	ND		nc	30
107-06-2	1,2-Dichloroethane	ND	ND		nc	30
75-35-4	1,1-Dichloroethene	ND	ND		nc	30
156-59-2	cis-1,2-Dichloroethene	ND	ND		nc	30
156-60-5	trans-1,2-Dichloroethene	ND	ND		nc	30
78-87-5	1,2-Dichloropropane	ND	ND		nc	30
10061-01-5	cis-1,3-Dichloropropene	ND	ND		nc	30
10061-02-6	trans-1,3-Dichloropropene	ND	ND		nc	30
100-41-4	Ethylbenzene	ND	ND		nc	30
76-13-1	Freon 113	ND	ND		nc	30
591-78-6	2-Hexanone	ND	ND		nc	30
98-82-8	Isopropylbenzene	ND	ND		nc	30
79-20-9	Methyl Acetate	ND	ND		nc	30
108-87-2	Methylcyclohexane	ND	ND		nc	30
1634-04-4	Methyl Tert Butyl Ether	ND	ND		nc	30

* = Outside of Control Limits.

Duplicate Summary

Page 2 of 2

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC61667-10DUP	3C143070.D	1	03/06/18	PS	n/a	n/a	V3C6478
JC61667-10	3C143066.D	1	03/06/18	PS	n/a	n/a	V3C6478

The QC reported here applies to the following samples:

Method: SW846 8260C

JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13, JC61667-9R, JC61667-11R, JC61667-12R, JC61667-13R

CAS No.	Compound	JC61667-10 DUP		Q	RPD	Limits
		ug/kg	Q ug/kg			
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	ND	nc		30
75-09-2	Methylene chloride	ND	ND	nc		36
91-20-3	Naphthalene	ND	ND	nc		30
100-42-5	Styrene	ND	ND	nc		30
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	nc		30
127-18-4	Tetrachloroethene	ND	ND	nc		30
108-88-3	Toluene	ND	ND	nc		24
87-61-6	1,2,3-Trichlorobenzene	ND	ND	nc		30
120-82-1	1,2,4-Trichlorobenzene	ND	ND	nc		30
71-55-6	1,1,1-Trichloroethane	ND	ND	nc		30
79-00-5	1,1,2-Trichloroethane	ND	ND	nc		30
79-01-6	Trichloroethene	ND	ND	nc		30
75-69-4	Trichlorofluoromethane	ND	ND	nc		30
95-63-6	1,2,4-Trimethylbenzene	ND	ND	nc		30
108-67-8	1,3,5-Trimethylbenzene	ND	ND	nc		30
75-01-4	Vinyl chloride	ND	ND	nc		30
	m,p-Xylene	ND	ND	nc		32
95-47-6	o-Xylene	ND	ND	nc		30
1330-20-7	Xylene (total)	ND	ND	nc		33

CAS No.	Surrogate Recoveries	DUP	JC61667-10	Limits
1868-53-7	Dibromofluoromethane	100%	100%	75-127%
17060-07-0	1,2-Dichloroethane-D4	100%	98%	75-130%
2037-26-5	Toluene-D8	99%	98%	80-120%
460-00-4	4-Bromofluorobenzene	103%	102%	79-127%

(a) High RPD due to possible sample nonhomogeneity.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC61667-10RDUP	3C143070R.D	1	03/06/18	PS	n/a	n/a	V3C6478
JC61667-10R	3C143066R.D	1	03/06/18	PS	n/a	n/a	V3C6478

The QC reported here applies to the following samples: Method: SW846 8260C

JC61667-10R

CAS No.	Compound	JC61667-10RDUP					Limits
		ug/kg	Q	ug/kg	Q	RPD	
91-20-3	Naphthalene	ND		ND		nc	30
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	30
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	30

CAS No.	Surrogate Recoveries	DUP	JC61667-10RLimits
1868-53-7	Dibromofluoromethane	100%	100% 75-127%
17060-07-0	1,2-Dichloroethane-D4	100%	98% 75-130%
2037-26-5	Toluene-D8	99%	98% 80-120%
460-00-4	4-Bromofluorobenzene	103%	102% 79-127%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: V3B6383-BFB **Injection Date:** 02/27/18
Lab File ID: 3B144366.D **Injection Time:** 19:47
Instrument ID: GCMS3B

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	31056	17.3	Pass
75	30.0 - 60.0% of mass 95	86288	48.2	Pass
95	Base peak, 100% relative abundance	179115	100.0	Pass
96	5.0 - 9.0% of mass 95	11726	6.55	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 150.0% of mass 95	162411	90.7	Pass
175	5.0 - 9.0% of mass 174	12305	6.87 (7.58) ^a	Pass
176	95.0 - 101.0% of mass 174	160661	89.7 (98.9) ^a	Pass
177	5.0 - 9.0% of mass 176	10491	5.86 (6.53) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3B6383-IC6383	3B144367.D	02/27/18	20:27	00:40	Initial cal 0.2
V3B6383-IC6383	3B144368.D	02/27/18	20:55	01:08	Initial cal 0.5
V3B6383-IC6383	3B144369.D	02/27/18	21:24	01:37	Initial cal 1
V3B6383-IC6383	3B144370.D	02/27/18	21:52	02:05	Initial cal 2
V3B6383-IC6383	3B144371.D	02/27/18	22:20	02:33	Initial cal 5
V3B6383-IC6383	3B144372.D	02/27/18	22:49	03:02	Initial cal 10
V3B6383-IC6383	3B144373.D	02/27/18	23:17	03:30	Initial cal 20
V3B6383-ICC6383	3B144374.D	02/27/18	23:46	03:59	Initial cal 50
V3B6383-IC6383	3B144375.D	02/28/18	00:14	04:27	Initial cal 100
V3B6383-IC6383	3B144376.D	02/28/18	00:42	04:55	Initial cal 200
V3B6383-ICV6383	3B144379.D	02/28/18	02:07	06:20	Initial cal verification 50
V3B6383-ICV6383	3B144380.D	02/28/18	02:36	06:49	Initial cal verification 50

Instrument Performance Check (BFB)

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: V3B6389-BFB **Injection Date:** 03/05/18
Lab File ID: 3B144470.D **Injection Time:** 07:06
Instrument ID: GCMS3B

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	9618	17.3	Pass
75	30.0 - 60.0% of mass 95	26592	47.9	Pass
95	Base peak, 100% relative abundance	55541	100.0	Pass
96	5.0 - 9.0% of mass 95	3749	6.75	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 150.0% of mass 95	52507	94.5	Pass
175	5.0 - 9.0% of mass 174	4066	7.32 (7.74) ^a	Pass
176	95.0 - 101.0% of mass 174	50667	91.2 (96.5) ^a	Pass
177	5.0 - 9.0% of mass 176	3337	6.01 (6.59) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3B6389-CC6383	3B144470.D	03/05/18	07:06	00:00	Continuing cal 20
V3B6389-BS	3B144471.D	03/05/18	08:05	00:59	Blank Spike
V3B6389-MB	3B144473.D	03/05/18	09:09	02:03	Method Blank
JC61586-5MS	3B144474.D	03/05/18	09:48	02:42	Matrix Spike
JC61586-5MSD	3B144475.D	03/05/18	10:17	03:11	Matrix Spike Duplicate
JC61586-5	3B144477.D	03/05/18	11:14	04:08	(used for QC only; not part of job JC61667)
ZZZZZZ	3B144478.D	03/05/18	11:42	04:36	(unrelated sample)
ZZZZZZ	3B144480.D	03/05/18	12:39	05:33	(unrelated sample)
ZZZZZZ	3B144481.D	03/05/18	13:07	06:01	(unrelated sample)
ZZZZZZ	3B144482.D	03/05/18	13:35	06:29	(unrelated sample)
ZZZZZZ	3B144483.D	03/05/18	14:04	06:58	(unrelated sample)
ZZZZZZ	3B144484.D	03/05/18	14:32	07:26	(unrelated sample)
ZZZZZZ	3B144485.D	03/05/18	15:00	07:54	(unrelated sample)
ZZZZZZ	3B144490.D	03/05/18	17:22	10:16	(unrelated sample)
JC61667-14R	3B144491R.D	03/05/18	17:51	10:45	EB

Instrument Performance Check (BFB)

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: V3B6401-BFB **Injection Date:** 03/13/18
Lab File ID: 3B144749.D **Injection Time:** 12:52
Instrument ID: GCMS3B

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	9047	16.5	Pass
75	30.0 - 60.0% of mass 95	24229	44.2	Pass
95	Base peak, 100% relative abundance	54765	100.0	Pass
96	5.0 - 9.0% of mass 95	3527	6.44	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 150.0% of mass 95	52784	96.4	Pass
175	5.0 - 9.0% of mass 174	3599	6.57 (6.82) ^a	Pass
176	95.0 - 101.0% of mass 174	51243	93.6 (97.1) ^a	Pass
177	5.0 - 9.0% of mass 176	3184	5.81 (6.21) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3B6401-ICV6383	3B144750.D	03/13/18	13:20	00:28	Initial cal verification 50
V3B6401-CC6383	3B144751.D	03/13/18	13:49	00:57	Continuing cal 20
V3B6401-BS	3B144752.D	03/13/18	14:32	01:40	Blank Spike
V3B6401-BSD	3B144753.D	03/13/18	15:01	02:09	Blank Spike Duplicate
V3B6401-MB	3B144755.D	03/13/18	15:59	03:07	Method Blank
ZZZZZZ	3B144756.D	03/13/18	16:28	03:36	(unrelated sample)
V3B6401-ECC6383	3B144757.D	03/13/18	16:57	04:05	Ending cal 20

Instrument Performance Check (BFB)

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: V3C6459-BFB **Injection Date:** 02/14/18
Lab File ID: 3C142579.D **Injection Time:** 16:05
Instrument ID: GCMS3C

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	16929	18.6	Pass
75	30.0 - 60.0% of mass 95	43058	47.4	Pass
95	Base peak, 100% relative abundance	90816	100.0	Pass
96	5.0 - 9.0% of mass 95	6140	6.76	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	85885	94.6	Pass
175	5.0 - 9.0% of mass 174	6434	7.08 (7.49) ^a	Pass
176	95.0 - 101.0% of mass 174	84706	93.3 (98.6) ^a	Pass
177	5.0 - 9.0% of mass 176	5437	5.99 (6.42) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C6459-IC6459	3C142580.D	02/14/18	16:42	00:37	Initial cal 0.2
V3C6459-IC6459	3C142581.D	02/14/18	17:07	01:02	Initial cal 0.5
V3C6459-IC6459	3C142582.D	02/14/18	17:32	01:27	Initial cal 1
V3C6459-IC6459	3C142583.D	02/14/18	17:57	01:52	Initial cal 2
V3C6459-IC6459	3C142584.D	02/14/18	18:22	02:17	Initial cal 4
V3C6459-IC6459	3C142585.D	02/14/18	18:47	02:42	Initial cal 8
V3C6459-IC6459	3C142586.D	02/14/18	19:13	03:08	Initial cal 20
V3C6459-ICC6459	3C142587.D	02/14/18	19:38	03:33	Initial cal 50
V3C6459-IC6459	3C142588.D	02/14/18	20:03	03:58	Initial cal 100
V3C6459-IC6459	3C142589.D	02/14/18	20:28	04:23	Initial cal 200
V3C6459-ICV6459	3C142592.D	02/14/18	21:43	05:38	Initial cal verification 50
V3C6459-ICV6459	3C142593.D	02/14/18	22:08	06:03	Initial cal verification 50

Instrument Performance Check (BFB)

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: V3C6477-BFB
Lab File ID: 3C143031.D
Instrument ID: GCMS3C
Injection Date: 03/05/18
Injection Time: 07:55

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	17951	17.3	Pass
75	30.0 - 60.0% of mass 95	46755	45.2	Pass
95	Base peak, 100% relative abundance	103544	100.0	Pass
96	5.0 - 9.0% of mass 95	6916	6.68	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	97755	94.4	Pass
175	5.0 - 9.0% of mass 174	7826	7.56 (8.01) ^a	Pass
176	95.0 - 101.0% of mass 174	96352	93.1 (98.6) ^a	Pass
177	5.0 - 9.0% of mass 176	6526	6.30 (6.77) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C6477-CC6459	3C143031.D	03/05/18	07:55	00:00	Continuing cal 20
V3C6477-BS	3C143032.D	03/05/18	08:26	00:31	Blank Spike
V3C6477-MB	3C143033.D	03/05/18	09:37	01:42	Method Blank
ZZZZZZ	3C143034.D	03/05/18	10:27	02:32	(unrelated sample)
JC61496-1	3C143035.D	03/05/18	10:52	02:57	(used for QC only; not part of job JC61667)
JC61496-5	3C143036.D	03/05/18	11:17	03:22	(used for QC only; not part of job JC61667)
ZZZZZZ	3C143037.D	03/05/18	11:42	03:47	(unrelated sample)
ZZZZZZ	3C143038.D	03/05/18	12:07	04:12	(unrelated sample)
ZZZZZZ	3C143039.D	03/05/18	12:32	04:37	(unrelated sample)
JC61496-1DUP	3C143040.D	03/05/18	12:57	05:02	Duplicate
ZZZZZZ	3C143042.D	03/05/18	13:48	05:53	(unrelated sample)
ZZZZZZ	3C143043.D	03/05/18	14:13	06:18	(unrelated sample)
ZZZZZZ	3C143044.D	03/05/18	14:38	06:43	(unrelated sample)
JC61496-5MS	3C143046.D	03/05/18	15:28	07:33	Matrix Spike
ZZZZZZ	3C143047.D	03/05/18	15:53	07:58	(unrelated sample)
ZZZZZZ	3C143048.D	03/05/18	16:18	08:23	(unrelated sample)
ZZZZZZ	3C143049.D	03/05/18	16:43	08:48	(unrelated sample)
ZZZZZZ	3C143050.D	03/05/18	17:08	09:13	(unrelated sample)
ZZZZZZ	3C143051.D	03/05/18	17:34	09:39	(unrelated sample)
ZZZZZZ	3C143052.D	03/05/18	17:59	10:04	(unrelated sample)
JC61667-7	3C143053.D	03/05/18	18:24	10:29	SS-7
JC61667-7R	3C143053R.D	03/05/18	18:24	10:29	SS-7
JC61667-8	3C143054.D	03/05/18	18:49	10:54	SS-8
JC61667-8R	3C143054R.D	03/05/18	18:49	10:54	SS-8

Instrument Performance Check (BFB)

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample:	V3C6477-BFB	Injection Date:	03/05/18
Lab File ID:	3C143031.D	Injection Time:	07:55
Instrument ID:	GCMS3C		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JC61667-6	3C143055.D	03/05/18	19:14	11:19	SS-6
JC61667-6R	3C143055R.D	03/05/18	19:14	11:19	SS-6
JC61667-5	3C143056.D	03/05/18	19:39	11:44	SS-5
JC61667-5R	3C143056R.D	03/05/18	19:39	11:44	SS-5

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Instrument Performance Check (BFB)

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: V3C6478-BFB **Injection Date:** 03/06/18
Lab File ID: 3C143062.D **Injection Time:** 09:36
Instrument ID: GCMS3C

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	16947	16.8	Pass
75	30.0 - 60.0% of mass 95	44556	44.3	Pass
95	Base peak, 100% relative abundance	100637	100.0	Pass
96	5.0 - 9.0% of mass 95	6855	6.81	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	94499	93.9	Pass
175	5.0 - 9.0% of mass 174	7738	7.69 (8.19) ^a	Pass
176	95.0 - 101.0% of mass 174	93267	92.7 (98.7) ^a	Pass
177	5.0 - 9.0% of mass 176	6128	6.09 (6.57) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C6478-CC6459	3C143062.D	03/06/18	09:36	00:00	Continuing cal 50
V3C6478-BS	3C143063.D	03/06/18	10:16	00:40	Blank Spike
V3C6478-MB	3C143064.D	03/06/18	10:51	01:15	Method Blank
JC61667-9R	3C143065R.D	03/06/18	11:30	01:54	SS-9
JC61667-9	3C143065.D	03/06/18	11:30	01:54	SS-9
JC61667-10R	3C143066R.D	03/06/18	11:55	02:19	SS-10
JC61667-10	3C143066.D	03/06/18	11:55	02:19	SS-10
JC61667-11	3C143067.D	03/06/18	12:20	02:44	SS-11
JC61667-11R	3C143067R.D	03/06/18	12:20	02:44	SS-11
JC61667-12R	3C143068R.D	03/06/18	12:45	03:09	SS-12
JC61667-12	3C143068.D	03/06/18	12:45	03:09	SS-12
JC61667-13	3C143069.D	03/06/18	13:11	03:35	DUP
JC61667-13R	3C143069R.D	03/06/18	13:11	03:35	DUP
JC61667-10DUP	3C143070.D	03/06/18	13:36	04:00	Duplicate
JC61667-10RDUP	3C143070R.D	03/06/18	13:36	04:00	Duplicate
ZZZZZZ	3C143071.D	03/06/18	14:01	04:25	(unrelated sample)
JC61667-9MS	3C143072.D	03/06/18	14:26	04:50	Matrix Spike
JC61667-9RMS	3C143072R.D	03/06/18	14:26	04:50	Matrix Spike
ZZZZZZ	3C143074.D	03/06/18	15:16	05:40	(unrelated sample)
ZZZZZZ	3C143075.D	03/06/18	15:41	06:05	(unrelated sample)
ZZZZZZ	3C143076.D	03/06/18	16:07	06:31	(unrelated sample)
ZZZZZZ	3C143077.D	03/06/18	16:32	06:56	(unrelated sample)
ZZZZZZ	3C143078.D	03/06/18	16:57	07:21	(unrelated sample)
ZZZZZZ	3C143079.D	03/06/18	17:22	07:46	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample:	V3C6478-BFB	Injection Date:	03/06/18
Lab File ID:	3C143062.D	Injection Time:	09:36
Instrument ID:	GCMS3C		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	3C143080.D	03/06/18	17:47	08:11	(unrelated sample)
ZZZZZZ	3C143081.D	03/06/18	18:12	08:36	(unrelated sample)
ZZZZZZ	3C143082.D	03/06/18	18:37	09:01	(unrelated sample)
ZZZZZZ	3C143083.D	03/06/18	19:02	09:26	(unrelated sample)

6.6.6
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Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: V4D3663-BFB	Injection Date: 01/30/18
Lab File ID: 4D84926.D	Injection Time: 21:18
Instrument ID: GCMS4D	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	14.99 - 40.0% of mass 95	17004	16.0	Pass
75	30.0 - 60.0% of mass 95	47187	44.3	Pass
95	Base peak, 100% relative abundance	106424	100.0	Pass
96	5.0 - 9.0% of mass 95	7061	6.63	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	91987	86.4	Pass
175	5.0 - 9.0% of mass 174	7404	6.96 (8.05) ^a	Pass
176	95.0 - 101.0% of mass 174	89160	83.8 (96.9) ^a	Pass
177	5.0 - 9.0% of mass 176	6104	5.74 (6.85) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V4D3663-IC3663	4D84927.D	01/30/18	22:22	01:04	Initial cal 0.2
V4D3663-IC3663	4D84928.D	01/30/18	22:51	01:33	Initial cal 0.5
V4D3663-IC3663	4D84929.D	01/30/18	23:19	02:01	Initial cal 1
V4D3663-IC3663	4D84930.D	01/30/18	23:48	02:30	Initial cal 2
V4D3663-IC3663	4D84931.D	01/31/18	00:16	02:58	Initial cal 5
V4D3663-IC3663	4D84932.D	01/31/18	00:44	03:26	Initial cal 10
V4D3663-IC3663	4D84933.D	01/31/18	01:13	03:55	Initial cal 20
V4D3663-ICC3663	4D84934.D	01/31/18	01:42	04:24	Initial cal 50
V4D3663-IC3663	4D84935.D	01/31/18	02:10	04:52	Initial cal 100
V4D3663-IC3663	4D84936.D	01/31/18	02:39	05:21	Initial cal 200
V4D3663-ICV3663	4D84939.D	01/31/18	04:05	06:47	Initial cal verification 50
V4D3663-ICV3663	4D84940.D	01/31/18	04:33	07:15	Initial cal verification 50

Instrument Performance Check (BFB)

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: V4D3715-BFB **Injection Date:** 03/07/18
Lab File ID: 4D85974.D **Injection Time:** 07:31
Instrument ID: GCMS4D

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	14.99 - 40.0% of mass 95	17319	18.5	Pass
75	30.0 - 60.0% of mass 95	44712	47.8	Pass
95	Base peak, 100% relative abundance	93496	100.0	Pass
96	5.0 - 9.0% of mass 95	6220	6.65	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	77584	83.0	Pass
175	5.0 - 9.0% of mass 174	6197	6.63 (7.99) ^a	Pass
176	95.0 - 101.0% of mass 174	76283	81.6 (98.3) ^a	Pass
177	5.0 - 9.0% of mass 176	5073	5.43 (6.65) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V4D3715-CC3663	4D85974.D	03/07/18	07:31	00:00	Continuing cal 20
V4D3715-BS	4D85975.D	03/07/18	08:18	00:47	Blank Spike
V4D3715-MB	4D85977.D	03/07/18	09:16	01:45	Method Blank
ZZZZZZ	4D85978.D	03/07/18	10:00	02:29	(unrelated sample)
ZZZZZZ	4D85980.D	03/07/18	10:58	03:27	(unrelated sample)
JC61586-9	4D85981.D	03/07/18	11:59	04:28	(used for QC only; not part of job JC61667)
JC61586-9MS	4D85982.D	03/07/18	12:28	04:57	Matrix Spike
JC61586-9MSD	4D85983.D	03/07/18	12:57	05:26	Matrix Spike Duplicate
JC61586-9	4D85984.D	03/07/18	13:25	05:54	(used for QC only; not part of job JC61667)
ZZZZZZ	4D85986.D	03/07/18	14:23	06:52	(unrelated sample)
ZZZZZZ	4D85987.D	03/07/18	14:52	07:21	(unrelated sample)
JC61667-14	4D85988.D	03/07/18	15:21	07:50	EB

Surrogate Recovery Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Method: SW846 8260C	Matrix: AQ
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JC61667-14	4D85988.D	95	113	99	104
JC61667-14R	3B144491R.D	106	107	93	94
JC61586-5MS	3B144474.D	100	98	99	101
JC61586-5MSD	3B144475.D	100	98	100	101
JC61586-9MS	4D85982.D	94	106	96	104
JC61586-9MSD	4D85983.D	96	109	96	105
V3B6389-BS	3B144471.D	101	95	98	99
V3B6389-MB	3B144473.D	100	100	97	97
V4D3715-BS	4D85975.D	94	109	98	104
V4D3715-MB	4D85977.D	92	108	99	106

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-120%
S2 = 1,2-Dichloroethane-D4	81-124%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	80-120%

Surrogate Recovery Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Method: SW846 8260C	Matrix: SO
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JC61667-5	3C143056.D	108	100	98	102
JC61667-6	3C143055.D	107	101	99	104
JC61667-7	3C143053.D	107	97	98	100
JC61667-8	3C143054.D	107	100	98	103
JC61667-9	3C143065.D	100	94	98	102
JC61667-10	3C143066.D	100	98	98	102
JC61667-11	3C143067.D	102	100	99	105
JC61667-12	3C143068.D	101	98	99	103
JC61667-13	3C143069.D	102	100	99	106
JC61667-5R	3C143056R.D	108	100	98	102
JC61667-6R	3C143055R.D	107	101	99	104
JC61667-7R	3C143053R.D	107	97	98	100
JC61667-8R	3C143054R.D	107	100	98	103
JC61667-9R	3C143065R.D	100	94	98	102
JC61667-10R	3C143066R.D	100	98	98	102
JC61667-11R	3C143067R.D	102	100	99	105
JC61667-12R	3C143068R.D	101	98	99	103
JC61667-13R	3C143069R.D	102	100	99	106
JC61496-1DUP	3C143040.D	105	97	98	100
JC61496-5MS	3C143046.D	107	94	99	100
JC61667-10DUP	3C143070.D	100	100	99	103
JC61667-10RDUP	3C143070R.D	100	100	99	103
JC61667-9MS	3C143072.D	99	93	100	104
JC61667-9RMS	3C143072R.D	99	93	100	104
V3C6477-BS	3C143032.D	100	97	99	99
V3C6477-MB	3C143033.D	101	93	98	99
V3C6478-BS	3C143063.D	99	96	98	100
V3C6478-MB	3C143064.D	97	89	98	100

Surrogate Compounds	Recovery Limits
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S1 = Dibromofluoromethane	75-127%
S2 = 1,2-Dichloroethane-D4	75-130%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	79-127%

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MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Surrogate Recovery Summaries

Method Blank Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10412-MB1	M144402.D	1	03/04/18	KLS	03/03/18	OP10412	EM6129

The QC reported here applies to the following samples:

Method: SW846 8270D

JC61667-1, JC61667-2, JC61667-3, JC61667-4, JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	67	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	28	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	36	ug/kg	
95-48-7	2-Methylphenol	ND	67	21	ug/kg	
	3&4-Methylphenol	ND	67	27	ug/kg	
88-75-5	2-Nitrophenol	ND	170	22	ug/kg	
100-02-7	4-Nitrophenol	ND	330	89	ug/kg	
87-86-5	Pentachlorophenol	ND	130	31	ug/kg	
108-95-2	Phenol	ND	67	17	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	25	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	20	ug/kg	
83-32-9	Acenaphthene	ND	33	11	ug/kg	
208-96-8	Acenaphthylene	ND	33	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.2	ug/kg	
120-12-7	Anthracene	ND	33	20	ug/kg	
1912-24-9	Atrazine	ND	67	14	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	9.4	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	8.1	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	4.6	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	7.9	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	67	4.8	ug/kg	
105-60-2	Caprolactam	ND	67	13	ug/kg	
218-01-9	Chrysene	ND	33	10	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	7.1	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	14	ug/kg	

Method Blank Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10412-MB1	M144402.D	1	03/04/18	KLS	03/03/18	OP10412	EM6129

The QC reported here applies to the following samples:

Method: SW846 8270D

JC61667-1, JC61667-2, JC61667-3, JC61667-4, JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	67	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	33	10	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	33	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	67	28	ug/kg	
123-91-1	1,4-Dioxane	ND	33	22	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	15	ug/kg	
132-64-9	Dibenzofuran	ND	67	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	5.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	8.3	ug/kg	
84-66-2	Diethyl phthalate	ND	67	7.1	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	5.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	7.8	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	8.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	13	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	13	ug/kg	
67-72-1	Hexachloroethane	ND	170	16	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	16	ug/kg	
78-59-1	Isophorone	ND	67	7.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	33	7.5	ug/kg	
88-74-4	2-Nitroaniline	ND	170	7.9	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.3	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.6	ug/kg	
91-20-3	Naphthalene	ND	33	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	67	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	9.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	12	ug/kg	
85-01-8	Phenanthrene	ND	33	11	ug/kg	
129-00-0	Pyrene	ND	33	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.5	ug/kg	

Method Blank Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10412-MB1	M144402.D	1	03/04/18	KLS	03/03/18	OP10412	EM6129

The QC reported here applies to the following samples: Method: SW846 8270D

JC61667-1, JC61667-2, JC61667-3, JC61667-4, JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	75% 23-115%
4165-62-2	Phenol-d5	77% 27-114%
118-79-6	2,4,6-Tribromophenol	81% 19-152%
4165-60-0	Nitrobenzene-d5	80% 26-134%
321-60-8	2-Fluorobiphenyl	79% 39-124%
1718-51-0	Terphenyl-d14	84% 36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.17	150	ug/kg	J
	system artifact	2.30	190	ug/kg	J
	system artifact	3.13	300	ug/kg	J
	system artifact/aldol-condensation	3.49	250	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

Method Blank Summary

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Job Number: JC61667**Account:** ATCVTW ATC Group Services LLC.**Project:** Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10429-MB1	F174794.D	1	03/07/18	CS	03/05/18	OP10429	EF7435

The QC reported here applies to the following samples:**Method:** SW846 8270D

JC61667-14

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	

Method Blank Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10429-MB1	F174794.D	1	03/07/18	CS	03/05/18	OP10429	EF7435

The QC reported here applies to the following samples:

Method: SW846 8270D

JC61667-14

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

Method Blank Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10429-MB1	F174794.D	1	03/07/18	CS	03/05/18	OP10429	EF7435

The QC reported here applies to the following samples: Method: SW846 8270D

JC61667-14

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	57% 10-110%
4165-62-2	Phenol-d5	43% 10-110%
118-79-6	2,4,6-Tribromophenol	90% 36-151%
4165-60-0	Nitrobenzene-d5	80% 34-128%
321-60-8	2-Fluorobiphenyl	74% 38-119%
1718-51-0	Terphenyl-d14	95% 26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	4.62	4.7	ug/l	J
	Internal standard added for SIM test	5.98	5.1	ug/l	J
	Internal standard added for SIM test	7.31	4.6	ug/l	J
	Internal standard added for SIM test	10.66	4.2	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

Blank Spike Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10412-BS1	M144403.D	1	03/04/18	KLS	03/03/18	OP10412	EM6129

The QC reported here applies to the following samples:

Method: SW846 8270D

JC61667-1, JC61667-2, JC61667-3, JC61667-4, JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1670	1320	79	44-122
59-50-7	4-Chloro-3-methyl phenol	1670	1310	79	50-123
120-83-2	2,4-Dichlorophenol	1670	1360	82	48-122
105-67-9	2,4-Dimethylphenol	1670	1460	88	48-124
51-28-5	2,4-Dinitrophenol	3330	2370	71	34-146
534-52-1	4,6-Dinitro-o-cresol	1670	1300	78	49-140
95-48-7	2-Methylphenol	1670	1250	75	40-126
	3&4-Methylphenol	1670	1300	78	40-127
88-75-5	2-Nitrophenol	1670	1390	83	44-133
100-02-7	4-Nitrophenol	1670	1400	84	35-153
87-86-5	Pentachlorophenol	1670	1510	91	15-149
108-95-2	Phenol	1670	1200	72	50-109
58-90-2	2,3,4,6-Tetrachlorophenol	1670	1290	77	44-132
95-95-4	2,4,5-Trichlorophenol	1670	1320	79	45-124
88-06-2	2,4,6-Trichlorophenol	1670	1320	79	57-122
83-32-9	Acenaphthene	1670	1370	82	53-119
208-96-8	Acenaphthylene	1670	1350	81	41-125
98-86-2	Acetophenone	1670	1250	75	52-112
120-12-7	Anthracene	1670	1360	82	51-120
1912-24-9	Atrazine	1670	1810	109	49-139
56-55-3	Benzo(a)anthracene	1670	1410	85	54-118
50-32-8	Benzo(a)pyrene	1670	1410	85	55-121
205-99-2	Benzo(b)fluoranthene	1670	1370	82	57-116
191-24-2	Benzo(g,h,i)perylene	1670	1420	85	40-124
207-08-9	Benzo(k)fluoranthene	1670	1390	83	59-116
101-55-3	4-Bromophenyl phenyl ether	1670	1380	83	60-122
85-68-7	Butyl benzyl phthalate	1670	1470	88	51-134
92-52-4	1,1'-Biphenyl	1670	1340	80	46-122
100-52-7	Benzaldehyde	1670	1330	80	14-139
91-58-7	2-Chloronaphthalene	1670	1300	78	49-120
106-47-8	4-Chloroaniline	1670	632	38	10-115
86-74-8	Carbazole	1670	1380	83	52-124
105-60-2	Caprolactam	1670	1230	74	16-139
218-01-9	Chrysene	1670	1360	82	51-115
111-91-1	bis(2-Chloroethoxy)methane	1670	1430	86	36-131
111-44-4	bis(2-Chloroethyl)ether	1670	1360	82	41-131

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10412-BS1	M144403.D	1	03/04/18	KLS	03/03/18	OP10412	EM6129

The QC reported here applies to the following samples:

Method: SW846 8270D

JC61667-1, JC61667-2, JC61667-3, JC61667-4, JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	2,2'-Oxybis(1-chloropropane)	1670	1330	80	22-134
7005-72-3	4-Chlorophenyl phenyl ether	1670	1300	78	56-118
121-14-2	2,4-Dinitrotoluene	1670	1340	80	57-131
606-20-2	2,6-Dinitrotoluene	1670	1400	84	57-132
91-94-1	3,3'-Dichlorobenzidine	3330	1710	51	10-129
123-91-1	1,4-Dioxane	1670	809	49	10-110
53-70-3	Dibenzo(a,h)anthracene	1670	1330	80	48-121
132-64-9	Dibenzofuran	1670	1300	78	51-119
84-74-2	Di-n-butyl phthalate	1670	1390	83	59-125
117-84-0	Di-n-octyl phthalate	1670	1570	94	47-147
84-66-2	Diethyl phthalate	1670	1330	80	57-116
131-11-3	Dimethyl phthalate	1670	1330	80	56-116
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1400	84	53-133
206-44-0	Fluoranthene	1670	1370	82	58-117
86-73-7	Fluorene	1670	1340	80	56-114
118-74-1	Hexachlorobenzene	1670	1380	83	50-128
87-68-3	Hexachlorobutadiene	1670	1380	83	43-129
77-47-4	Hexachlorocyclopentadiene	3330	2800	84	15-140
67-72-1	Hexachloroethane	1670	1310	79	43-123
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1400	84	49-124
78-59-1	Isophorone	1670	1310	79	38-128
91-57-6	2-Methylnaphthalene	1670	1260	76	37-124
88-74-4	2-Nitroaniline	1670	1360	82	45-144
99-09-2	3-Nitroaniline	1670	821	49	10-134
100-01-6	4-Nitroaniline	1670	1240	74	41-130
91-20-3	Naphthalene	1670	1290	77	44-116
98-95-3	Nitrobenzene	1670	1270	76	36-132
621-64-7	N-Nitroso-di-n-propylamine	1670	1160	70	38-125
86-30-6	N-Nitrosodiphenylamine	1670	1300	78	51-122
85-01-8	Phenanthrene	1670	1380	83	53-119
129-00-0	Pyrene	1670	1410	85	54-124
95-94-3	1,2,4,5-Tetrachlorobenzene	1670	1590	95	45-128

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10412-BS1	M144403.D	1	03/04/18	KLS	03/03/18	OP10412	EM6129

The QC reported here applies to the following samples: Method: SW846 8270D

JC61667-1, JC61667-2, JC61667-3, JC61667-4, JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	82%	23-115%
4165-62-2	Phenol-d5	78%	27-114%
118-79-6	2,4,6-Tribromophenol	82%	19-152%
4165-60-0	Nitrobenzene-d5	77%	26-134%
321-60-8	2-Fluorobiphenyl	78%	39-124%
1718-51-0	Terphenyl-d14	92%	36-134%

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10429-BS1	F174795.D	1	03/07/18	CS	03/05/18	OP10429	EF7435

The QC reported here applies to the following samples:

Method: SW846 8270D

JC61667-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	32.8	66	39-106
59-50-7	4-Chloro-3-methyl phenol	50	43.5	87	45-118
120-83-2	2,4-Dichlorophenol	50	36.6	73	43-115
105-67-9	2,4-Dimethylphenol	50	38.2	76	38-125
51-28-5	2,4-Dinitrophenol	100	87.9	88	35-137
534-52-1	4,6-Dinitro-o-cresol	50	44.9	90	45-134
95-48-7	2-Methylphenol	50	35.7	71	34-106
	3&4-Methylphenol	50	34.8	70	31-110
88-75-5	2-Nitrophenol	50	35.7	71	41-118
100-02-7	4-Nitrophenol	50	34.7	69	10-113
87-86-5	Pentachlorophenol	50	50.3	101	21-134
108-95-2	Phenol	50	21.8	44	10-110
58-90-2	2,3,4,6-Tetrachlorophenol	50	48.1	96	41-129
95-95-4	2,4,5-Trichlorophenol	50	43.5	87	45-117
88-06-2	2,4,6-Trichlorophenol	50	39.8	80	47-125
83-32-9	Acenaphthene	50	36.9	74	40-114
208-96-8	Acenaphthylene	50	37.8	76	40-109
98-86-2	Acetophenone	50	35.0	70	43-112
120-12-7	Anthracene	50	41.9	84	50-113
1912-24-9	Atrazine	50	46.2	92	46-141
100-52-7	Benzaldehyde	50	29.2	58	27-116
56-55-3	Benzo(a)anthracene	50	42.8	86	55-110
50-32-8	Benzo(a)pyrene	50	47.5	95	52-112
205-99-2	Benzo(b)fluoranthene	50	45.5	91	53-114
191-24-2	Benzo(g,h,i)perylene	50	48.6	97	46-115
207-08-9	Benzo(k)fluoranthene	50	46.9	94	55-115
101-55-3	4-Bromophenyl phenyl ether	50	39.4	79	47-122
85-68-7	Butyl benzyl phthalate	50	47.8	96	50-124
92-52-4	1,1'-Biphenyl	50	34.5	69	42-114
91-58-7	2-Chloronaphthalene	50	32.6	65	33-112
106-47-8	4-Chloroaniline	50	28.8	58	17-87
86-74-8	Carbazole	50	44.4	89	54-118
105-60-2	Caprolactam	50	17.7	35	10-110
218-01-9	Chrysene	50	43.0	86	52-107
111-91-1	bis(2-Chloroethoxy)methane	50	36.8	74	38-116
111-44-4	bis(2-Chloroethyl)ether	50	34.6	69	38-118

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10429-BS1	F174795.D	1	03/07/18	CS	03/05/18	OP10429	EF7435

The QC reported here applies to the following samples:

Method: SW846 8270D

JC61667-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-60-1	2,2'-Oxybis(1-chloropropane)	50	32.6	65	29-108
7005-72-3	4-Chlorophenyl phenyl ether	50	38.2	76	40-122
121-14-2	2,4-Dinitrotoluene	50	42.2	84	54-129
606-20-2	2,6-Dinitrotoluene	50	46.4	93	53-131
91-94-1	3,3'-Dichlorobenzidine	100	79.2	79	28-91
123-91-1	1,4-Dioxane	50	20.3	41	10-110
53-70-3	Dibenzo(a,h)anthracene	50	45.2	90	51-117
132-64-9	Dibenzofuran	50	37.2	74	46-118
84-74-2	Di-n-butyl phthalate	50	48.3	97	54-124
117-84-0	Di-n-octyl phthalate	50	43.8	88	41-137
84-66-2	Diethyl phthalate	50	44.6	89	49-122
131-11-3	Dimethyl phthalate	50	42.5	85	51-118
117-81-7	bis(2-Ethylhexyl)phthalate	50	42.6	85	47-128
206-44-0	Fluoranthene	50	45.6	91	54-118
86-73-7	Fluorene	50	39.7	79	45-116
118-74-1	Hexachlorobenzene	50	39.7	79	45-124
87-68-3	Hexachlorobutadiene	50	25.0	50	10-120
77-47-4	Hexachlorocyclopentadiene	100	52.5	53	10-110
67-72-1	Hexachloroethane	50	24.6	49	11-110
193-39-5	Indeno(1,2,3-cd)pyrene	50	46.8	94	45-123
78-59-1	Isophorone	50	37.8	76	43-115
91-57-6	2-Methylnaphthalene	50	32.5	65	37-111
88-74-4	2-Nitroaniline	50	52.2	104	40-144
99-09-2	3-Nitroaniline	50	39.1	78	31-104
100-01-6	4-Nitroaniline	50	48.5	97	48-119
91-20-3	Naphthalene	50	29.6	59	29-110
98-95-3	Nitrobenzene	50	35.6	71	35-118
621-64-7	N-Nitroso-di-n-propylamine	50	37.3	75	38-116
86-30-6	N-Nitrosodiphenylamine	50	40.3	81	49-114
85-01-8	Phenanthrene	50	41.3	83	49-116
129-00-0	Pyrene	50	43.1	86	51-116
95-94-3	1,2,4,5-Tetrachlorobenzene	50	40.4	81	21-124

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10429-BS1	F174795.D	1	03/07/18	CS	03/05/18	OP10429	EF7435

The QC reported here applies to the following samples: Method: SW846 8270D

JC61667-14

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	53%	10-110%
4165-62-2	Phenol-d5	41%	10-110%
118-79-6	2,4,6-Tribromophenol	99%	36-151%
4165-60-0	Nitrobenzene-d5	70%	34-128%
321-60-8	2-Fluorobiphenyl	66%	38-119%
1718-51-0	Terphenyl-d14	98%	26-129%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10412-MS	M144417.D	1	03/04/18	KLS	03/03/18	OP10412	EM6129
OP10412-MSD	M144418.D	1	03/04/18	KLS	03/03/18	OP10412	EM6129
JC61667-1	M144404.D	1	03/04/18	KLS	03/03/18	OP10412	EM6129

The QC reported here applies to the following samples:

Method: SW846 8270D

JC61667-1, JC61667-2, JC61667-3, JC61667-4, JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

CAS No.	Compound	JC61667-1 ug/kg	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND	2190	1550	71	2170	1580	73	2	10-137/34
59-50-7	4-Chloro-3-methyl phenol	ND	2190	1600	73	2170	1590	73	1	11-147/35
120-83-2	2,4-Dichlorophenol	ND	2190	1660	76	2170	1650	76	1	15-140/34
105-67-9	2,4-Dimethylphenol	ND	2190	1810	83	2170	1810	83	0	10-151/34
51-28-5	2,4-Dinitrophenol	ND	4370	2910	67	4350	3140	72	8	10-148/49
534-52-1	4,6-Dinitro-o-cresol	ND	2190	1540	70	2170	1560	72	1	10-150/48
95-48-7	2-Methylphenol	ND	2190	1410	64	2170	1450	67	3	10-138/33
	3&4-Methylphenol	ND	2190	1510	69	2170	1540	71	2	10-143/33
88-75-5	2-Nitrophenol	ND	2190	1690	77	2170	1700	78	1	10-150/39
100-02-7	4-Nitrophenol	ND	2190	1800	82	2170	1860	86	3	10-163/38
87-86-5	Pentachlorophenol	ND	2190	1980	91	2170	1960	90	1	10-148/39
108-95-2	Phenol	ND	2190	1370	63	2170	1380	64	1	24-114/32
58-90-2	2,3,4,6-Tetrachlorophenol	ND	2190	1610	74	2170	1640	75	2	14-140/38
95-95-4	2,4,5-Trichlorophenol	ND	2190	1620	74	2170	1690	78	4	10-146/36
88-06-2	2,4,6-Trichlorophenol	ND	2190	1660	76	2170	1680	77	1	16-148/36
83-32-9	Acenaphthene	ND	2190	1710	78	2170	1750	81	2	21-136/34
208-96-8	Acenaphthylene	ND	2190	1700	78	2170	1760	81	3	10-143/36
98-86-2	Acetophenone	ND	2190	1460	67	2170	1530	70	5	24-127/31
120-12-7	Anthracene	ND	2190	1690	77	2170	1690	78	0	10-147/39
1912-24-9	Atrazine	ND	2190	2050	94	2170	2160	99	5	10-161/38
56-55-3	Benzo(a)anthracene	ND	2190	1700	78	2170	1680	77	1	10-151/41
50-32-8	Benzo(a)pyrene	ND	2190	1630	75	2170	1650	76	1	10-149/40
205-99-2	Benzo(b)fluoranthene	ND	2190	1630	75	2170	1660	76	2	10-147/42
191-24-2	Benzo(g,h,i)perylene	ND	2190	1740	80	2170	1800	83	3	10-150/41
207-08-9	Benzo(k)fluoranthene	ND	2190	1680	77	2170	1690	78	1	12-142/41
101-55-3	4-Bromophenyl phenyl ether	ND	2190	1650	75	2170	1660	76	1	26-138/37
85-68-7	Butyl benzyl phthalate	ND	2190	1770	81	2170	1800	83	2	24-143/36
92-52-4	1,1'-Biphenyl	ND	2190	1600	73	2170	1680	77	5	18-138/32
100-52-7	Benzaldehyde	424	2190	1720	59	2170	1770	62	3	10-149/37
91-58-7	2-Chloronaphthalene	ND	2190	1640	75	2170	1680	77	2	24-130/31
106-47-8	4-Chloroaniline	ND	2190	772	35	2170	548	25	34	10-111/52
86-74-8	Carbazole	ND	2190	1530	70	2170	1600	74	4	12-146/39
105-60-2	Caprolactam	ND	2190	1140	52	2170	1220	56	7	10-147/40
218-01-9	Chrysene	ND	2190	1660	76	2170	1670	77	1	10-151/41
111-91-1	bis(2-Chloroethoxy)methane	ND	2190	1730	79	2170	1730	80	0	10-144/35
111-44-4	bis(2-Chloroethyl)ether	ND	2190	1720	79	2170	1700	78	1	12-142/35

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10412-MS	M144417.D	1	03/04/18	KLS	03/03/18	OP10412	EM6129
OP10412-MSD	M144418.D	1	03/04/18	KLS	03/03/18	OP10412	EM6129
JC61667-1	M144404.D	1	03/04/18	KLS	03/03/18	OP10412	EM6129

The QC reported here applies to the following samples:

Method: SW846 8270D

JC61667-1, JC61667-2, JC61667-3, JC61667-4, JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

CAS No.	Compound	JC61667-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		2190	1550	71	2170	1610	74	4	10-137/33
7005-72-3	4-Chlorophenyl phenyl ether	ND		2190	1610	74	2170	1660	76	3	21-136/35
121-14-2	2,4-Dinitrotoluene	ND		2190	1690	77	2170	1730	80	2	14-148/41
606-20-2	2,6-Dinitrotoluene	ND		2190	1780	81	2170	1780	82	0	14-152/40
91-94-1	3,3'-Dichlorobenzidine	ND		4370	1910	44	4350	1040	24	59* a	10-137/47
123-91-1	1,4-Dioxane	ND		2190	843	39	2170	871	40	3	10-110/40
53-70-3	Dibenzo(a,h)anthracene	ND		2190	1650	75	2170	1710	79	4	10-152/38
132-64-9	Dibenzofuran	ND		2190	1520	70	2170	1660	76	9	17-141/36
84-74-2	Di-n-butyl phthalate	ND		2190	1700	78	2170	1720	79	1	26-137/35
117-84-0	Di-n-octyl phthalate	ND		2190	1880	86	2170	1890	87	1	23-145/36
84-66-2	Diethyl phthalate	ND		2190	1710	78	2170	1740	80	2	25-133/35
131-11-3	Dimethyl phthalate	ND		2190	1690	77	2170	1730	80	2	21-134/36
117-81-7	bis(2-Ethylhexyl)phthalate	ND		2190	1790	82	2170	1810	83	1	26-144/39
206-44-0	Fluoranthene	24.8	J	2190	1640	74	2170	1640	74	0	10-151/44
86-73-7	Fluorene	ND		2190	1690	77	2170	1720	79	2	19-133/36
118-74-1	Hexachlorobenzene	ND		2190	1660	76	2170	1680	77	1	18-142/37
87-68-3	Hexachlorobutadiene	ND		2190	1650	75	2170	1690	78	2	16-137/32
77-47-4	Hexachlorocyclopentadiene	ND		4370	2840	65	4350	2860	66	1	10-150/50
67-72-1	Hexachloroethane	ND		2190	1530	70	2170	1560	72	2	10-131/38
193-39-5	Indeno(1,2,3-cd)pyrene	ND		2190	1710	78	2170	1750	81	2	10-148/41
78-59-1	Isophorone	ND		2190	1630	75	2170	1640	75	1	11-142/33
91-57-6	2-Methylnaphthalene	ND		2190	1480	68	2170	1540	71	4	10-141/35
88-74-4	2-Nitroaniline	ND		2190	1630	75	2170	1720	79	5	14-156/38
99-09-2	3-Nitroaniline	ND		2190	1140	52	2170	935	43	20	10-144/45
100-01-6	4-Nitroaniline	ND		2190	1140	52	2170	1000	46	13	10-156/44
91-20-3	Naphthalene	ND		2190	1570	72	2170	1580	73	1	10-136/36
98-95-3	Nitrobenzene	ND		2190	1560	71	2170	1560	72	0	10-142/34
621-64-7	N-Nitroso-di-n-propylamine	ND		2190	1440	66	2170	1470	68	2	10-142/31
86-30-6	N-Nitrosodiphenylamine	ND		2190	1630	75	2170	1630	75	0	10-156/37
85-01-8	Phenanthrene	ND		2190	1700	78	2170	1730	80	2	11-145/45
129-00-0	Pyrene	25.1	J	2190	1780	80	2170	1810	82	2	11-155/44
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		2190	2040	93	2170	2070	95	1	23-136/32

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10412-MS	M144417.D	1	03/04/18	KLS	03/03/18	OP10412	EM6129
OP10412-MSD	M144418.D	1	03/04/18	KLS	03/03/18	OP10412	EM6129
JC61667-1	M144404.D	1	03/04/18	KLS	03/03/18	OP10412	EM6129

The QC reported here applies to the following samples: Method: SW846 8270D

JC61667-1, JC61667-2, JC61667-3, JC61667-4, JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

CAS No.	Surrogate Recoveries	MS	MSD	JC61667-1	Limits
367-12-4	2-Fluorophenol	75%	74%	64%	23-115%
4165-62-2	Phenol-d5	69%	70%	63%	27-114%
118-79-6	2,4,6-Tribromophenol	76%	80%	78%	19-152%
4165-60-0	Nitrobenzene-d5	72%	73%	71%	26-134%
321-60-8	2-Fluorobiphenyl	74%	77%	75%	39-124%
1718-51-0	Terphenyl-d14	86%	87%	78%	36-134%

(a) Outside of in house control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10429-MS	F174797.D	1	03/07/18	CS	03/05/18	OP10429	EF7435
OP10429-MSD	F174798.D	1	03/07/18	CS	03/05/18	OP10429	EF7435
JC61659-1	F174799.D	1	03/07/18	CS	03/05/18	OP10429	EF7435

The QC reported here applies to the following samples:

Method: SW846 8270D

JC61667-14

CAS No.	Compound	JC61659-1 ug/l	Spike Q	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND	100	76.4	76	100	81.3	81	6	36-113/33
59-50-7	4-Chloro-3-methyl phenol	ND	100	93.3	93	100	94.8	95	2	40-126/29
120-83-2	2,4-Dichlorophenol	ND	100	82.8	83	100	87.2	87	5	40-119/30
105-67-9	2,4-Dimethylphenol	ND	100	88.2	88	100	91.4	91	4	34-134/30
51-28-5	2,4-Dinitrophenol	ND	200	186	93	200	183	92	2	22-157/34
534-52-1	4,6-Dinitro-o-cresol	ND	100	91.3	91	100	91.0	91	0	26-151/37
95-48-7	2-Methylphenol	ND	100	84.9	85	100	87.7	88	3	31-119/32
	3&4-Methylphenol	ND	100	85.8	86	100	88.8	89	3	29-118/31
88-75-5	2-Nitrophenol	ND	100	82.8	83	100	89.5	90	8	38-123/34
100-02-7	4-Nitrophenol	ND	100	90.3	90	100	90.7	91	0	10-161/36
87-86-5	Pentachlorophenol	ND	100	103	103	100	104	104	1	22-149/36
108-95-2	Phenol	ND	100	62.5	63	100	65.9	66	5	10-110/35
58-90-2	2,3,4,6-Tetrachlorophenol	ND	100	97.3	97	100	97.7	98	0	43-131/36
95-95-4	2,4,5-Trichlorophenol	ND	100	93.8	94	100	93.5	94	0	45-118/30
88-06-2	2,4,6-Trichlorophenol	ND	100	88.2	88	100	88.7	89	1	48-126/31
83-32-9	Acenaphthene	ND	100	83.2	83	100	83.9	84	1	44-119/28
208-96-8	Acenaphthylene	ND	100	87.9	88	100	88.0	88	0	40-115/28
98-86-2	Acetophenone	ND	100	82.0	82	100	86.4	86	5	34-127/32
120-12-7	Anthracene	ND	100	90.2	90	100	90.4	90	0	44-120/30
1912-24-9	Atrazine	ND	100	95.6	96	100	97.2	97	2	31-149/30
100-52-7	Benzaldehyde	ND	100	68.3	68	100	71.4	71	4	11-132/37
56-55-3	Benzo(a)anthracene	ND	100	91.7	92	100	90.2	90	2	48-116/30
50-32-8	Benzo(a)pyrene	ND	100	99.2	99	100	98.8	99	0	43-120/31
205-99-2	Benzo(b)fluoranthene	ND	100	95.3	95	100	93.9	94	1	42-123/31
191-24-2	Benzo(g,h,i)perylene	ND	100	101	101	100	96.4	96	5	39-121/32
207-08-9	Benzo(k)fluoranthene	ND	100	94.4	94	100	95.6	96	1	44-123/31
101-55-3	4-Bromophenyl phenyl ether	ND	100	86.4	86	100	85.3	85	1	47-127/31
85-68-7	Butyl benzyl phthalate	ND	100	101	101	100	102	102	1	41-135/32
92-52-4	1,1'-Biphenyl	ND	100	80.2	80	100	82.7	83	3	39-124/29
91-58-7	2-Chloronaphthalene	ND	100	79.3	79	100	80.4	80	1	37-120/30
106-47-8	4-Chloroaniline	ND	100	26.3	26	100	31.6	32	18	10-110/49
86-74-8	Carbazole	ND	100	91.6	92	100	92.8	93	1	46-127/29
105-60-2	Caprolactam	ND	100	53.1	53	100	56.6	57	6	10-110/37
218-01-9	Chrysene	ND	100	90.4	90	100	88.3	88	2	45-113/30
111-91-1	bis(2-Chloroethoxy)methane	ND	100	87.3	87	100	90.5	91	4	33-122/29
111-44-4	bis(2-Chloroethyl)ether	ND	100	82.8	83	100	85.0	85	3	29-132/36

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10429-MS	F174797.D	1	03/07/18	CS	03/05/18	OP10429	EF7435
OP10429-MSD	F174798.D	1	03/07/18	CS	03/05/18	OP10429	EF7435
JC61659-1	F174799.D	1	03/07/18	CS	03/05/18	OP10429	EF7435

The QC reported here applies to the following samples:

Method: SW846 8270D

JC61667-14

CAS No.	Compound	JC61659-1 ug/l	Spike Q	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	100	82.5	83	100	83.3	83	1	27-115/34
7005-72-3	4-Chlorophenyl phenyl ether	ND	100	85.1	85	100	84.4	84	1	43-125/30
121-14-2	2,4-Dinitrotoluene	ND	100	88.3	88	100	87.4	87	1	49-135/31
606-20-2	2,6-Dinitrotoluene	ND	100	101	101	100	98.5	99	3	50-135/32
91-94-1	3,3'-Dichlorobenzidine	ND	200	110	55	200	119	60	8	2-115/43
123-91-1	1,4-Dioxane	ND	100	54.2	54	100	55.9	56	3	10-110/42
53-70-3	Dibenzo(a,h)anthracene	ND	100	97.0	97	100	93.6	94	4	44-121/32
132-64-9	Dibenzofuran	ND	100	83.7	84	100	84.3	84	1	43-123/29
84-74-2	Di-n-butyl phthalate	ND	100	102	102	100	102	102	0	46-133/30
117-84-0	Di-n-octyl phthalate	ND	100	92.3	92	100	92.3	92	0	31-147/32
84-66-2	Diethyl phthalate	ND	100	93.0	93	100	92.7	93	0	46-126/30
131-11-3	Dimethyl phthalate	ND	100	92.3	92	100	90.6	91	2	49-120/29
117-81-7	bis(2-Ethylhexyl)phthalate	ND	100	88.0	88	100	89.2	89	1	35-140/35
206-44-0	Fluoranthene	ND	100	96.0	96	100	96.0	96	0	48-122/30
86-73-7	Fluorene	ND	100	88.8	89	100	87.6	88	1	45-121/30
118-74-1	Hexachlorobenzene	ND	100	84.6	85	100	85.9	86	2	42-129/32
87-68-3	Hexachlorobutadiene	ND	100	66.6	67	100	68.1	68	2	10-129/36
77-47-4	Hexachlorocyclopentadiene	ND	200	142	71	200	149	75	5	10-111/40
67-72-1	Hexachloroethane	ND	100	62.1	62	100	63.2	63	2	12-116/37
193-39-5	Indeno(1,2,3-cd)pyrene	ND	100	98.0	98	100	94.8	95	3	39-129/33
78-59-1	Isophorone	ND	100	89.4	89	100	93.1	93	4	37-122/29
91-57-6	2-Methylnaphthalene	ND	100	76.7	77	100	80.1	80	4	33-118/31
88-74-4	2-Nitroaniline	ND	100	113	113	100	108	108	5	32-156/31
99-09-2	3-Nitroaniline	ND	100	42.0	42	100	48.2	48	14	11-114/41
100-01-6	4-Nitroaniline	ND	100	96.7	97	100	97.6	98	1	31-125/30
91-20-3	Naphthalene	ND	100	74.6	75	100	75.5	76	1	24-119/33
98-95-3	Nitrobenzene	ND	100	84.3	84	100	86.9	87	3	28-130/32
621-64-7	N-Nitroso-di-n-propylamine	ND	100	88.9	89	100	93.1	93	5	29-128/31
86-30-6	N-Nitrosodiphenylamine	ND	100	85.5	86	100	84.9	85	1	40-128/31
85-01-8	Phenanthrene	ND	100	87.7	88	100	87.6	88	0	41-128/30
129-00-0	Pyrene	ND	100	90.3	90	100	88.7	89	2	47-122/30
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	100	101	101	100	104	104	3	23-134/31

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10429-MS	F174797.D	1	03/07/18	CS	03/05/18	OP10429	EF7435
OP10429-MSD	F174798.D	1	03/07/18	CS	03/05/18	OP10429	EF7435
JC61659-1	F174799.D	1	03/07/18	CS	03/05/18	OP10429	EF7435

The QC reported here applies to the following samples: Method: SW846 8270D

JC61667-14

CAS No.	Surrogate Recoveries	MS	MSD	JC61659-1	Limits
367-12-4	2-Fluorophenol	72%	74%	31%	10-110%
4165-62-2	Phenol-d5	65%	68%	22%	10-110%
118-79-6	2,4,6-Tribromophenol	100%	99%	79%	36-151%
4165-60-0	Nitrobenzene-d5	82%	85%	59%	34-128%
321-60-8	2-Fluorobiphenyl	77%	78%	57%	38-119%
1718-51-0	Terphenyl-d14	84%	85%	60%	26-129%

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: EF7394-DFTPP
Lab File ID: F174048.D
Instrument ID: GCMSF
Injection Date: 01/31/18
Injection Time: 20:08

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	55567	37.2	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	69258	46.4	Pass
70	Less than 2.0% of mass 69	480	0.32 (0.69) ^a	Pass
127	40.0 - 60.0% of mass 198	81093	54.3	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	149317	100.0	Pass
199	5.0 - 9.0% of mass 198	10121	6.78	Pass
275	10.0 - 30.0% of mass 198	35901	24.0	Pass
365	1.0 - 100.0% of mass 198	4621	3.09	Pass
441	Present, but less than mass 443	14773	9.89 (73.9) ^b	Pass
442	40.0 - 100.0% of mass 198	104594	70.0	Pass
443	17.0 - 23.0% of mass 442	19978	13.4 (19.1) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF7394-IC7394	F174049.D	01/31/18	20:27	00:19	Initial cal 100
EF7394-IC7394	F174050.D	01/31/18	20:58	00:50	Initial cal 80
EF7394-ICC7394	F174051.D	01/31/18	22:28	02:20	Initial cal 50
EF7394-IC7394	F174052.D	01/31/18	22:58	02:50	Initial cal 25
EF7394-IC7394	F174053.D	01/31/18	23:28	03:20	Initial cal 10
EF7394-IC7394	F174054.D	01/31/18	23:59	03:51	Initial cal 5
EF7394-IC7394	F174055.D	02/01/18	00:29	04:21	Initial cal 2
EF7394-IC7394	F174056.D	02/01/18	01:00	04:52	Initial cal 1
EF7394-ICV7394	F174057.D	02/01/18	01:31	05:23	Initial cal verification 50
EF7394-ICV7394	F174059.D	02/01/18	02:32	06:24	Initial cal verification 50
EF7394-ICV7394	F174060.D	02/01/18	03:02	06:54	Initial cal verification 50
EF7394-ICV7393	F174060A.D	02/01/18	03:02	06:54	Initial cal verification 50

Instrument Performance Check (DFTPP)

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: EF7395-DFTPP
Lab File ID: F174061.D
Instrument ID: GCMSF
Injection Date: 02/01/18
Injection Time: 10:25

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	49416	38.0	Pass
68	Less than 2.0% of mass 69	636	0.49 (1.03) ^a	Pass
69	Mass 69 relative abundance	61872	47.5	Pass
70	Less than 2.0% of mass 69	273	0.21 (0.44) ^a	Pass
127	40.0 - 60.0% of mass 198	71533	55.0	Pass
197	Less than 1.0% of mass 198	177	0.14	Pass
198	Base peak, 100% relative abundance	130178	100.0	Pass
199	5.0 - 9.0% of mass 198	8780	6.74	Pass
275	10.0 - 30.0% of mass 198	31453	24.2	Pass
365	1.0 - 100.0% of mass 198	3933	3.02	Pass
441	Present, but less than mass 443	12766	9.81 (73.1) ^b	Pass
442	40.0 - 100.0% of mass 198	89069	68.4	Pass
443	17.0 - 23.0% of mass 442	17452	13.4 (19.6) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF7395-ICV7394	F174064A.D	02/01/18	11:54	01:29	Initial cal verification 50
EF7395-ICV7393	F174065.D	02/01/18	12:24	01:59	Initial cal verification 50

Instrument Performance Check (DFTPP)

Page 1 of 1

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: EF7413-DFTPP
Lab File ID: F174321.D
Instrument ID: GCMSF
Injection Date: 02/14/18
Injection Time: 02:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	29153	30.1	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	43484	44.9	Pass
70	Less than 2.0% of mass 69	241	0.25 (0.55) ^a	Pass
127	40.0 - 60.0% of mass 198	54866	56.6	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	96952	100.0	Pass
199	5.0 - 9.0% of mass 198	6401	6.60	Pass
275	10.0 - 30.0% of mass 198	23569	24.3	Pass
365	1.0 - 100.0% of mass 198	2987	3.08	Pass
441	Present, but less than mass 443	9576	9.88 (74.6) ^b	Pass
442	40.0 - 100.0% of mass 198	67714	69.8	Pass
443	17.0 - 23.0% of mass 442	12840	13.2 (19.0) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF7413-IC7413	F174322.D	02/14/18	02:57	00:21	Initial cal 100
EF7413-IC7413	F174323.D	02/14/18	03:25	00:49	Initial cal 80
EF7413-ICC7413	F174324.D	02/14/18	03:54	01:18	Initial cal 50
EF7413-IC7413	F174325.D	02/14/18	04:23	01:47	Initial cal 25
EF7413-IC7413	F174326.D	02/14/18	04:51	02:15	Initial cal 10
EF7413-IC7413	F174327.D	02/14/18	05:19	02:43	Initial cal 5
EF7413-IC7413	F174328.D	02/14/18	05:52	03:16	Initial cal 2
EF7413-IC7413	F174329.D	02/14/18	06:24	03:48	Initial cal 1
EF7413-ICV7413	F174330.D	02/14/18	06:57	04:21	Initial cal verification 50
EF7413-ICV7413	F174331.D	02/14/18	07:30	04:54	Initial cal verification 50
EF7413-ICV7413	F174332.D	02/14/18	08:04	05:28	Initial cal verification 50
EF7413-ICV7413	F174333.D	02/14/18	08:36	06:00	Initial cal verification 50
EF7413-ICV7413	F174334.D	02/14/18	09:09	06:33	Initial cal verification 50
EF7413-ICV7413	F174335.D	02/14/18	10:45	08:09	Initial cal verification 50

Instrument Performance Check (DFTPP)

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: EF7435-DFTPP
Lab File ID: F174788.D
Instrument ID: GCMSF
Injection Date: 03/07/18
Injection Time: 01:11

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	30438	32.8	Pass
68	Less than 2.0% of mass 69	142	0.15 (0.32) ^a	Pass
69	Mass 69 relative abundance	43975	47.4	Pass
70	Less than 2.0% of mass 69	226	0.24 (0.51) ^a	Pass
127	40.0 - 60.0% of mass 198	51925	55.9	Pass
197	Less than 1.0% of mass 198	387	0.42	Pass
198	Base peak, 100% relative abundance	92848	100.0	Pass
199	5.0 - 9.0% of mass 198	6540	7.04	Pass
275	10.0 - 30.0% of mass 198	22178	23.9	Pass
365	1.0 - 100.0% of mass 198	2955	3.18	Pass
441	Present, but less than mass 443	9143	9.85 (69.3) ^b	Pass
442	40.0 - 100.0% of mass 198	65690	70.8	Pass
443	17.0 - 23.0% of mass 442	13202	14.2 (20.1) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF7435-CC7413	F174789.D	03/07/18	01:24	00:13	Continuing cal 25
EF7435-CC7394	F174790.D	03/07/18	01:52	00:41	Continuing cal 25
EF7435-CC7413	F174796.D	03/07/18	03:18	02:07	Continuing cal 5
OP10463-MB1	F174792A.D	03/07/18	03:47	02:36	Method Blank
OP10463-BS1	F174793.D	03/07/18	04:15	03:04	Blank Spike
OP10429-MB1	F174794.D	03/07/18	04:44	03:33	Method Blank
OP10429-BS1	F174795.D	03/07/18	05:12	04:01	Blank Spike
OP10429-MS	F174797.D	03/07/18	05:41	04:30	Matrix Spike
OP10429-MSD	F174798.D	03/07/18	06:09	04:58	Matrix Spike Duplicate
JC61659-1	F174799.D	03/07/18	06:38	05:27	(used for QC only; not part of job JC61667)
JC61667-14	F174800.D	03/07/18	07:06	05:55	EB
ZZZZZZ	F174801.D	03/07/18	07:34	06:23	(unrelated sample)
ZZZZZZ	F174802.D	03/07/18	08:03	06:52	(unrelated sample)
ZZZZZZ	F174803.D	03/07/18	08:31	07:20	(unrelated sample)
ZZZZZZ	F174804.D	03/07/18	09:00	07:49	(unrelated sample)
ZZZZZZ	F174805.D	03/07/18	09:29	08:18	(unrelated sample)
ZZZZZZ	F174806.D	03/07/18	09:57	08:46	(unrelated sample)
ZZZZZZ	F174807.D	03/07/18	10:26	09:15	(unrelated sample)
ZZZZZZ	F174808.D	03/07/18	10:55	09:44	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample:	EF7435-DFTPP	Injection Date:	03/07/18
Lab File ID:	F174788.D	Injection Time:	01:11
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	F174809.D	03/07/18	11:24	10:13	(unrelated sample)
ZZZZZZ	F174810.D	03/07/18	11:52	10:41	(unrelated sample)
OP10463-MS	F174812.D	03/07/18	12:21	11:10	Matrix Spike
OP10463-MSD	F174813.D	03/07/18	12:49	11:38	Matrix Spike Duplicate
ZZZZZZ	F174816.D	03/07/18	13:18	12:07	(unrelated sample)
JC61739-1	F174814.D	03/07/18	13:46	12:35	(used for QC only; not part of job JC61667)
ZZZZZZ	F174815.D	03/07/18	14:15	13:04	(unrelated sample)

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Instrument Performance Check (DFTPP)

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: EM6121-DFTPP
Lab File ID: M144286.D
Instrument ID: GCMSM
Injection Date: 02/28/18
Injection Time: 10:02

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	46287	35.4	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	46966	36.0	Pass
70	Less than 2.0% of mass 69	287	0.22 (0.61) ^a	Pass
127	40.0 - 60.0% of mass 198	64608	49.5	Pass
197	Less than 1.0% of mass 198	147	0.11	Pass
198	Base peak, 100% relative abundance	130642	100.0	Pass
199	5.0 - 9.0% of mass 198	9011	6.90	Pass
275	10.0 - 30.0% of mass 198	31818	24.4	Pass
365	1.0 - 100.0% of mass 198	4158	3.18	Pass
441	Present, but less than mass 443	16429	12.6 (76.3) ^b	Pass
442	40.0 - 100.0% of mass 198	111368	85.2	Pass
443	17.0 - 23.0% of mass 442	21529	16.5 (19.3) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM6121-IC6121	M144287.D	02/28/18	10:16	00:14	Initial cal 100
EM6121-IC6121	M144288.D	02/28/18	10:58	00:56	Initial cal 1
EM6121-IC6121	M144289.D	02/28/18	11:28	01:26	Initial cal 80
EM6121-IC6121	M144290.D	02/28/18	11:58	01:56	Initial cal 5
EM6121-ICC6121	M144291.D	02/28/18	12:27	02:25	Initial cal 50
EM6121-IC6121	M144292.D	02/28/18	12:57	02:55	Initial cal 2
EM6121-IC6121	M144293.D	02/28/18	13:27	03:25	Initial cal 25
EM6121-IC6121	M144294.D	02/28/18	13:57	03:55	Initial cal 10
EM6121-ICV6121	M144295.D	02/28/18	14:44	04:42	Initial cal verification 50
EM6121-ICV6121	M144298.D	02/28/18	16:14	06:12	Initial cal verification 50
EM6121-ICV6121	M144299.D	02/28/18	16:45	06:43	Initial cal verification 50

Instrument Performance Check (DFTPP)

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: EM6122-DFTPP **Injection Date:** 02/28/18
Lab File ID: M144300.D **Injection Time:** 19:17
Instrument ID: GCMSM

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	49355	38.3	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	51626	40.1	Pass
70	Less than 2.0% of mass 69	121	0.09 (0.23) ^a	Pass
127	40.0 - 60.0% of mass 198	64650	50.2	Pass
197	Less than 1.0% of mass 198	337	0.26	Pass
198	Base peak, 100% relative abundance	128853	100.0	Pass
199	5.0 - 9.0% of mass 198	8914	6.92	Pass
275	10.0 - 30.0% of mass 198	29422	22.8	Pass
365	1.0 - 100.0% of mass 198	3463	2.69	Pass
441	Present, but less than mass 443	14073	10.9 (74.1) ^b	Pass
442	40.0 - 100.0% of mass 198	90994	70.6	Pass
443	17.0 - 23.0% of mass 442	19001	14.7 (20.9) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM6122-ICV6121	M144303.D	02/28/18	20:31	01:14	Initial cal verification 50

Instrument Performance Check (DFTPP)

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: EM6123-DFTPP
Lab File ID: M144305.D
Instrument ID: GCMSM
Injection Date: 03/01/18
Injection Time: 00:07

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	53928	39.5	Pass
68	Less than 2.0% of mass 69	47	0.03 (0.08) ^a	Pass
69	Mass 69 relative abundance	57887	42.3	Pass
70	Less than 2.0% of mass 69	507	0.37 (0.88) ^a	Pass
127	40.0 - 60.0% of mass 198	70821	51.8	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	136698	100.0	Pass
199	5.0 - 9.0% of mass 198	9537	6.98	Pass
275	10.0 - 30.0% of mass 198	31616	23.1	Pass
365	1.0 - 100.0% of mass 198	4759	3.48	Pass
441	Present, but less than mass 443	15699	11.5 (80.2) ^b	Pass
442	40.0 - 100.0% of mass 198	102218	74.8	Pass
443	17.0 - 23.0% of mass 442	19583	14.3 (19.2) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM6123-IC6123	M144306.D	03/01/18	00:34	00:27	Initial cal 100
EM6123-IC6123	M144307.D	03/01/18	01:04	00:57	Initial cal 80
EM6123-ICC6123	M144308.D	03/01/18	01:35	01:28	Initial cal 50
EM6123-IC6123	M144309.D	03/01/18	02:05	01:58	Initial cal 25
EM6123-IC6123	M144310.D	03/01/18	02:35	02:28	Initial cal 10
EM6123-IC6123	M144311.D	03/01/18	03:06	02:59	Initial cal 5
EM6123-IC6123	M144312.D	03/01/18	03:36	03:29	Initial cal 2
EM6123-IC6123	M144313.D	03/01/18	04:06	03:59	Initial cal 1
EM6123-ICV6123	M144314A.D	03/01/18	04:36	04:29	Initial cal verification 50
EM6123-ICV6121	M144314.D	03/01/18	04:36	04:29	Initial cal verification 50
EM6123-ICV6123	M144315.D	03/01/18	05:06	04:59	Initial cal verification 50

Instrument Performance Check (DFTPP)

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: EM6126-DFTPP	Injection Date: 03/01/18
Lab File ID: M144344.D	Injection Time: 22:54
Instrument ID: GCMSM	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	48602	40.6	Pass
68	Less than 2.0% of mass 69	290	0.24 (0.58) ^a	Pass
69	Mass 69 relative abundance	50122	41.8	Pass
70	Less than 2.0% of mass 69	471	0.39 (0.94) ^a	Pass
127	40.0 - 60.0% of mass 198	63301	52.8	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	119816	100.0	Pass
199	5.0 - 9.0% of mass 198	8315	6.94	Pass
275	10.0 - 30.0% of mass 198	28642	23.9	Pass
365	1.0 - 100.0% of mass 198	3689	3.08	Pass
441	Present, but less than mass 443	13635	11.4 (74.0) ^b	Pass
442	40.0 - 100.0% of mass 198	92893	77.5	Pass
443	17.0 - 23.0% of mass 442	18427	15.4 (19.8) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM6126-ICV6121	M144345.D	03/01/18	23:08	00:14	Initial cal verification 50

Instrument Performance Check (DFTPP)

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Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: EM6129-DFTPP
Lab File ID: M144398.D
Instrument ID: GCMSM
Injection Date: 03/04/18
Injection Time: 11:07

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	58365	41.5	Pass
68	Less than 2.0% of mass 69	133	0.09 (0.22) ^a	Pass
69	Mass 69 relative abundance	59283	42.2	Pass
70	Less than 2.0% of mass 69	281	0.20 (0.47) ^a	Pass
127	40.0 - 60.0% of mass 198	73805	52.5	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	140618	100.0	Pass
199	5.0 - 9.0% of mass 198	9733	6.92	Pass
275	10.0 - 30.0% of mass 198	30577	21.7	Pass
365	1.0 - 100.0% of mass 198	4042	2.87	Pass
441	Present, but less than mass 443	14684	10.4 (79.5) ^b	Pass
442	40.0 - 100.0% of mass 198	95666	68.0	Pass
443	17.0 - 23.0% of mass 442	18460	13.1 (19.3) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM6129-CC6121	M144399.D	03/04/18	11:20	00:13	Continuing cal 50
EM6129-CC6123	M144400.D	03/04/18	11:49	00:42	Continuing cal 50
OP10412-MB1	M144402.D	03/04/18	12:50	01:43	Method Blank
OP10412-BS1	M144403.D	03/04/18	13:20	02:13	Blank Spike
JC61667-1	M144404.D	03/04/18	13:50	02:43	SS-1
JC61667-2	M144405.D	03/04/18	14:20	03:13	SS-2
JC61667-3	M144406.D	03/04/18	14:50	03:43	SS-3
JC61667-4	M144407.D	03/04/18	15:20	04:13	SS-4
JC61667-5	M144408.D	03/04/18	15:50	04:43	SS-5
JC61667-6	M144409.D	03/04/18	16:20	05:13	SS-6
JC61667-7	M144410.D	03/04/18	16:50	05:43	SS-7
JC61667-8	M144411.D	03/04/18	17:20	06:13	SS-8
JC61667-9	M144412.D	03/04/18	17:50	06:43	SS-9
JC61667-10	M144413.D	03/04/18	18:20	07:13	SS-10
JC61667-11	M144414.D	03/04/18	18:50	07:43	SS-11
JC61667-12	M144415.D	03/04/18	19:20	08:13	SS-12
JC61667-13	M144416.D	03/04/18	19:50	08:43	DUP
OP10412-MS	M144417.D	03/04/18	20:20	09:13	Matrix Spike
OP10412-MSD	M144418.D	03/04/18	20:49	09:42	Matrix Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample:	EM6129-DFTPP	Injection Date:	03/04/18
Lab File ID:	M144398.D	Injection Time:	11:07
Instrument ID:	GCMSM		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	M144419.D	03/04/18	21:19	10:12	(unrelated sample)
ZZZZZZ	M144420.D	03/04/18	21:49	10:42	(unrelated sample)

Surrogate Recovery Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Method: SW846 8270D	Matrix: AQ
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JC61667-14	F174800.D	34	23	81	66	62	81
OP10429-BS1	F174795.D	53	41	99	70	66	98
OP10429-MB1	F174794.D	57	43	90	80	74	95
OP10429-MS	F174797.D	72	65	100	82	77	84
OP10429-MSD	F174798.D	74	68	99	85	78	85

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	10-110%
S2 = Phenol-d5	10-110%
S3 = 2,4,6-Tribromophenol	36-151%
S4 = Nitrobenzene-d5	34-128%
S5 = 2-Fluorobiphenyl	38-119%
S6 = Terphenyl-d14	26-129%

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Surrogate Recovery Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Method: SW846 8270D	Matrix: SO
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JC61667-1	M144404.D	64	63	78	71	75	78
JC61667-2	M144405.D	62	60	69	69	67	71
JC61667-3	M144406.D	64	65	74	71	70	74
JC61667-4	M144407.D	56	55	63	64	62	63
JC61667-5	M144408.D	64	64	78	68	74	79
JC61667-6	M144409.D	55	57	64	59	63	65
JC61667-7	M144410.D	61	61	64	65	67	70
JC61667-8	M144411.D	59	59	67	64	66	70
JC61667-9	M144412.D	68	66	75	65	74	74
JC61667-10	M144413.D	53	53	56	58	58	61
JC61667-11	M144414.D	63	66	77	70	72	80
JC61667-12	M144415.D	57	59	67	64	64	72
JC61667-13	M144416.D	65	66	74	71	74	75
OP10412-BS1	M144403.D	82	78	82	77	78	92
OP10412-MB1	M144402.D	75	77	81	80	79	84
OP10412-MS	M144417.D	75	69	76	72	74	86
OP10412-MSD	M144418.D	74	70	80	73	77	87

Surrogate Compounds	Recovery Limits
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S1 = 2-Fluorophenol	23-115%
S2 = Phenol-d5	27-114%
S3 = 2,4,6-Tribromophenol	19-152%
S4 = Nitrobenzene-d5	26-134%
S5 = 2-Fluorobiphenyl	39-124%
S6 = Terphenyl-d14	36-134%

7.5.2
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GC/LC Semi-volatiles

QC Data Summaries



Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10413-MB1	EF180486.D	1	03/04/18	HB	03/03/18	OP10413	GEF6181

The QC reported here applies to the following samples: Method: SW846 8082A

JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	13	ug/kg	
11104-28-2	Aroclor 1221	ND	33	14	ug/kg	
11141-16-5	Aroclor 1232	ND	33	8.9	ug/kg	
53469-21-9	Aroclor 1242	ND	33	5.3	ug/kg	
12672-29-6	Aroclor 1248	ND	33	20	ug/kg	
11097-69-1	Aroclor 1254	ND	33	8.2	ug/kg	
11096-82-5	Aroclor 1260	ND	33	11	ug/kg	
11100-14-4	Aroclor 1268	ND	33	5.0	ug/kg	
37324-23-5	Aroclor 1262	ND	33	2.5	ug/kg	

CAS No.	Surrogate Recoveries	Limits
877-09-8	Tetrachloro-m-xylene	82% 24-152%
877-09-8	Tetrachloro-m-xylene	91% 24-152%
2051-24-3	Decachlorobiphenyl	84% 10-166%
2051-24-3	Decachlorobiphenyl	80% 10-166%

Method Blank Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10482-MB1	XX224894.D	1	03/08/18	MH	03/06/18	OP10482	GXX6269

The QC reported here applies to the following samples: Method: SW846 8082A

JC61667-14

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.25	0.098	ug/l	
11104-28-2	Aroclor 1221	ND	0.25	0.21	ug/l	
11141-16-5	Aroclor 1232	ND	0.25	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.25	0.11	ug/l	
12672-29-6	Aroclor 1248	ND	0.25	0.063	ug/l	
11097-69-1	Aroclor 1254	ND	0.25	0.21	ug/l	
11096-82-5	Aroclor 1260	ND	0.25	0.076	ug/l	
11100-14-4	Aroclor 1268	ND	0.25	0.087	ug/l	
37324-23-5	Aroclor 1262	ND	0.25	0.097	ug/l	

CAS No.	Surrogate Recoveries	Limits
877-09-8	Tetrachloro-m-xylene	95% 11-166%
877-09-8	Tetrachloro-m-xylene	89% 11-166%
2051-24-3	Decachlorobiphenyl	40% 10-150%
2051-24-3	Decachlorobiphenyl	37% 10-150%

8.1.2
8

Blank Spike Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10413-BS1	EF180487.D	1	03/04/18	HB	03/03/18	OP10413	GEF6181

The QC reported here applies to the following samples: Method: SW846 8082A

JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	133	141	106	61-146
11104-28-2	Aroclor 1221		ND		70-130
11141-16-5	Aroclor 1232		ND		70-130
53469-21-9	Aroclor 1242		ND		70-130
12672-29-6	Aroclor 1248		ND		70-130
11097-69-1	Aroclor 1254		ND		70-130
11096-82-5	Aroclor 1260	133	149	112	62-148
11100-14-4	Aroclor 1268		ND		50-150 ^a
37324-23-5	Aroclor 1262		ND		50-150 ^a

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	88%	24-152%
877-09-8	Tetrachloro-m-xylene	93%	24-152%
2051-24-3	Decachlorobiphenyl	88%	10-166%
2051-24-3	Decachlorobiphenyl	88%	10-166%

(a) Advisory control limits.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10482-BS1	XX224895.D	1	03/08/18	MH	03/06/18	OP10482	GXX6269
OP10482-BSD	XX224896.D	1	03/08/18	MH	03/06/18	OP10482	GXX6269

The QC reported here applies to the following samples: Method: SW846 8082A

JC61667-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	2	2.0	100	2.1	105	5	37-164/43
11104-28-2	Aroclor 1221		ND		ND		nc	70-130/20
11141-16-5	Aroclor 1232		ND		ND		nc	70-130/20
53469-21-9	Aroclor 1242		ND		ND		nc	70-130/20
12672-29-6	Aroclor 1248		ND		ND		nc	70-130/20
11097-69-1	Aroclor 1254		ND		ND		nc	70-130/20
11096-82-5	Aroclor 1260	2	2.0	100	2.0	100 ^a	0 ^a	36-155/46
11100-14-4	Aroclor 1268		ND		ND		nc	-/20
37324-23-5	Aroclor 1262		ND		ND		nc	-/20

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	92%	90%	11-166%
877-09-8	Tetrachloro-m-xylene	86%	86%	11-166%
2051-24-3	Decachlorobiphenyl	45%	35%	10-150%
2051-24-3	Decachlorobiphenyl	43%	34%	10-150%

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10413-MS	EF180495.D	1	03/05/18	HB	03/03/18	OP10413	GEF6181
OP10413-MSD	EF180496.D	1	03/05/18	HB	03/03/18	OP10413	GEF6181
JC61657-1	EF180494.D	1	03/05/18	HB	03/03/18	OP10413	GEF6181

The QC reported here applies to the following samples: Method: SW846 8082A

JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

CAS No.	Compound	JC61657-1 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND	186	207	111	184	196	107	5	24-178/46
11104-28-2	Aroclor 1221	ND		ND			ND		nc	70-130/50
11141-16-5	Aroclor 1232	ND		ND			ND		nc	70-130/50
53469-21-9	Aroclor 1242	ND		ND			ND		nc	70-130/50
12672-29-6	Aroclor 1248	ND		ND			ND		nc	70-130/50
11097-69-1	Aroclor 1254	ND		ND			ND		nc	70-130/50
11096-82-5	Aroclor 1260	ND	186	254	136	184	247	134	3	15-185/45
11100-14-4	Aroclor 1268	ND		ND			ND		nc	-/50
37324-23-5	Aroclor 1262	ND		ND			ND		nc	-/50

CAS No.	Surrogate Recoveries	MS	MSD	JC61657-1	Limits
877-09-8	Tetrachloro-m-xylene	93%	86%	84%	24-152%
877-09-8	Tetrachloro-m-xylene	99%	97%	95%	24-152%
2051-24-3	Decachlorobiphenyl	90%	85%	83%	10-166%
2051-24-3	Decachlorobiphenyl	94%	86%	89%	10-166%

* = Outside of Control Limits.

Surrogate Recovery Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Method: SW846 8082A	Matrix: AQ
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b	S2 ^a	S2 ^b
JC61667-14	XX224897.D	93	86	30	29
OP10482-BS1	XX224895.D	92	86	45	43
OP10482-BSD	XX224896.D	90	86	35	34
OP10482-MB1	XX224894.D	95	89	40	37

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	11-166%
S2 = Decachlorobiphenyl	10-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

Surrogate Recovery Summary

Job Number: JC61667
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Method: SW846 8082A	Matrix: SO
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b	S2 ^a	S2 ^b
JC61667-9	EF180499.D	81	91	82	90
JC61667-10	EF180500.D	80	91	91	173* ^c
JC61667-11	EF180505.D	86	95	79	105
JC61667-12	EF180506.D	87	95	80	83
JC61667-13	EF180507.D	86	93	83	102
OP10413-BS1	EF180487.D	88	93	88	88
OP10413-MB1	EF180486.D	82	91	84	80
OP10413-MS	EF180495.D	93	99	90	94
OP10413-MSD	EF180496.D	86	97	85	86

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	24-152%
S2 = Decachlorobiphenyl	10-166%

- (a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) Outside control limits due to matrix interference.

8.5.2
8

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC61667
Account: ATCVTW - ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6018
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/03/18

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	34	33		
Antimony	6.0	1.4	4.3	-0.20	<6.0
Arsenic	3.0	1.4	2.7	-1.0	<3.0
Barium	200	.5	1.3		
Beryllium	1.0	.2	.4	-0.20	<1.0
Bismuth	20	2.5	5		
Boron	100	1.9	13		
Cadmium	3.0	.3	.7	0.10	<3.0
Calcium	5000	8.7	29		
Chromium	10	.6	.85	-0.10	<10
Cobalt	50	.5	.72		
Copper	10	1.2	3.2	0.30	<10
Iron	100	4.6	32		
Lead	3.0	1.4	2.6	-0.90	<3.0
Lithium	50	2.8	15		
Magnesium	5000	33	64		
Manganese	15	.1	.42		
Molybdenum	20	.4	1.4		
Nickel	10	.5	1.3	0.20	<10
Phosphorus	50	1.7	13		
Potassium	10000	68	230		
Selenium	10	3.8	6.6	0.10	<10
Silicon	200	2.1	45		
Silver	10	.5	3.1	0.0	<10
Sodium	10000	15	130		
Strontium	10	.2	.3		
Sulfur	50	20	15		
Thallium	2.0	1.6	1.6	-1.0	<2.0
Tin	10	1	2.4		
Titanium	10	.7	1.8		
Tungsten	50	1.8	14		
Vanadium	50	.4	1.3		
Zinc	20	.3	4	0.40	<20

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC61667
Account: ATCVTW - ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6018
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/03/18

Metal	RL	IDL	MDL	MB raw	final
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Zirconium 10 .3 2

Associated samples MP6018: JC61667-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6018
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/03/18

Metal	JC61628-1Q Original MS		SpikeLot MPSPK2	% Rec	QC Limits
Aluminum	anr				
Antimony	0.0	2070	2000	103.5	75-125
Arsenic	1.5	2040	2000	101.9	75-125
Barium	anr				
Beryllium	0.0	2100	2000	105.0	75-125
Bismuth					
Boron					
Cadmium	0.40	2070	2000	103.5	75-125
Calcium	anr				
Chromium	1.2	2020	2000	100.9	75-125
Cobalt	anr				
Copper	2.4	2040	2000	101.9	75-125
Iron	anr				
Lead	0.0	2040	2000	102.0	75-125
Lithium					
Magnesium	anr				
Manganese	anr				
Molybdenum					
Nickel	8.0	2050	2000	102.1	75-125
Phosphorus					
Potassium	anr				
Selenium	0.0	2050	2000	102.5	75-125
Silicon					
Silver	1.3	245	250	97.5	75-125
Sodium	anr				
Strontium					
Sulfur					
Thallium	0.0	2060	2000	103.0	75-125
Tin					
Titanium					
Tungsten					
Vanadium	anr				
Zinc	29.2	2070	2000	102.0	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6018
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/03/18

Metal	JC61628-1Q Original MS	SpikeLot MPSPK2	% Rec	QC Limits
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Zirconium

Associated samples MP6018: JC61667-14

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6018
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/03/18

Metal	JC61628-1Q Original MSD		SpikeLot MPSPK2	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	0.0	2050	2000	102.5	1.0	20
Arsenic	1.5	2010	2000	100.4	1.5	20
Barium	anr					
Beryllium	0.0	2070	2000	103.5	1.4	20
Bismuth						
Boron						
Cadmium	0.40	2050	2000	102.5	1.0	20
Calcium	anr					
Chromium	1.2	2010	2000	100.4	0.5	20
Cobalt	anr					
Copper	2.4	2030	2000	101.4	0.5	20
Iron	anr					
Lead	0.0	2030	2000	101.5	0.5	20
Lithium						
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	8.0	2030	2000	101.1	1.0	20
Phosphorus						
Potassium	anr					
Selenium	0.0	2040	2000	102.0	0.5	20
Silicon						
Silver	1.3	243	250	96.7	0.8	20
Sodium	anr					
Strontium						
Sulfur						
Thallium	0.0	2040	2000	102.0	1.0	20
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	29.2	2050	2000	101.0	1.0	20

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6018
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/03/18

Metal	JC61628-1Q Original MSD	SpikeLot MPSPK2	% Rec	MSD RPD	QC Limit
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Zirconium

Associated samples MP6018: JC61667-14

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6018
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/03/18

Metal	BSP Result	SpikeLot MPSPK2	% Rec	QC Limits
Aluminum	anr			
Antimony	2030	2000	101.5	80-120
Arsenic	1980	2000	99.0	80-120
Barium	anr			
Beryllium	2070	2000	103.5	80-120
Bismuth				
Boron				
Cadmium	2030	2000	101.5	80-120
Calcium	anr			
Chromium	2010	2000	100.5	80-120
Cobalt	anr			
Copper	2010	2000	100.5	80-120
Iron	anr			
Lead	2040	2000	102.0	80-120
Lithium				
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	2030	2000	101.5	80-120
Phosphorus				
Potassium	anr			
Selenium	2010	2000	100.5	80-120
Silicon				
Silver	239	250	95.6	80-120
Sodium	anr			
Strontium				
Sulfur				
Thallium	2090	2000	104.5	80-120
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	2030	2000	101.5	80-120

9.1.3
9

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC61667
Account: ATCVTW - ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6018
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/03/18

Metal	BSP Result	SpikeLot MPSPK2	% Rec	QC Limits
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Zirconium

Associated samples MP6018: JC61667-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6018
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/03/18

Metal	JC61628-1Q Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	0.00	0.00	NC	0-10
Arsenic	1.50	0.00	100.0(a)	0-10
Barium	anr			
Beryllium	0.00	0.00	NC	0-10
Bismuth				
Boron				
Cadmium	0.400	0.00	100.0(a)	0-10
Calcium	anr			
Chromium	1.20	0.00	100.0(a)	0-10
Cobalt	anr			
Copper	2.40	6.00	150.0(a)	0-10
Iron	anr			
Lead	0.00	0.00	NC	0-10
Lithium				
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	8.00	8.40	5.0	0-10
Phosphorus				
Potassium	anr			
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	1.30	0.00	100.0(a)	0-10
Sodium	anr			
Strontium				
Sulfur				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	29.2	33.1	13.4*(b)	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6018
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/03/18

Metal	JC61628-1Q Original SDL 1:5	%DIF	QC Limits
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Zirconium

Associated samples MP6018: JC61667-14

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

(b) Serial dilution indicates possible matrix interference.

9.1.4

9

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC61667
Account: ATCVTW - ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6039
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 03/05/18

Metal	RL	IDL	MDL	MB raw	final
Aluminum	49	3.4	5.1		
Antimony	2.0	.14	.37	0.14	<2.0
Arsenic	2.0	.14	.25	0.029	<2.0
Barium	20	.049	.17		
Beryllium	0.20	.02	.048	-0.0098	<0.20
Bismuth	2.0	.25	.48		
Boron	9.8	.19	1.3		
Cadmium	0.49	.029	.056	0.029	<0.49
Calcium	490	.85	41		
Chromium	0.98	.059	.17	0.078	<0.98
Cobalt	4.9	.049	.069		
Copper	2.5	.12	.39	0.049	<2.5
Iron	49	.45	4.5		
Lead	2.0	.14	.34	-0.059	<2.0
Lithium	4.9	.27	1.1		
Magnesium	490	3.2	13		
Manganese	1.5	.0098	.085		
Molybdenum	2.0	.039	.15		
Nickel	3.9	.049	.24	0.0098	<3.9
Phosphorus	9.8	.17	4		
Potassium	980	6.7	30		
Selenium	2.0	.37	.63	-0.020	<2.0
Silicon	20	.21	2.5		
Silver	0.49	.049	.28	-0.049	<0.49
Sodium	980	1.5	13		
Strontium	4.9	.02	.94		
Sulfur	9.8	2	2.9		
Thallium	0.98	.16	.4	-0.0098	<0.98
Tin	9.8	.098	2.5		
Titanium	0.98	.069	.26		
Tungsten	4.9	.18	1.1		
Vanadium	4.9	.039	.086		
Zinc	4.9	.029	3.7	0.15	<4.9

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC61667
Account: ATCVTW - ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6039
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 03/05/18

Metal	RL	IDL	MDL	MB raw	final
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Zirconium 2.0 .029 .24

Associated samples MP6039: JC61667-1, JC61667-2, JC61667-3, JC61667-4, JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6039
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 03/05/18

Metal	JC61588-1 Original MS		SpikeLot MPSPK2	% Rec	QC Limits
Aluminum	anr				
Antimony	0.0	489	533	91.8	75-125
Arsenic	0.0	512	533	96.1	75-125
Barium	anr				
Beryllium	2.1	503	533	94.1	75-125
Bismuth					
Boron					
Cadmium	2.0	561	533	105.0	75-125
Calcium	anr				
Chromium	1.9	575	533	107.6	75-125
Cobalt	anr				
Copper	0.0	532	533	99.9	75-125
Iron	anr				
Lead	0.0	554	533	104.0	75-125
Lithium					
Magnesium	anr				
Manganese	anr				
Molybdenum	anr				
Nickel	4.2	550	533	102.5	75-125
Phosphorus					
Potassium	anr				
Selenium	0.0	561	533	105.3	75-125
Silicon					
Silver	0.0	68.1	66.6	102.3	75-125
Sodium	anr				
Strontium					
Sulfur					
Thallium	0.0	569	533	106.8	75-125
Tin					
Titanium					
Tungsten					
Vanadium	anr				
Zinc	12.3	501	533	91.8	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6039
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 03/05/18

Metal	JC61588-1 Original MS	Spikelet MPSPK2	% Rec	QC Limits
-------	--------------------------	--------------------	-------	--------------

Zirconium

Associated samples MP6039: JC61667-1, JC61667-2, JC61667-3, JC61667-4, JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6039
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 03/05/18

Metal	JC61588-1 Original	MSD	SpikeLot MPSPK2	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	0.0	487	541	90.1	6.4	20
Arsenic	0.0	542	541	100.3	5.7	20
Barium	anr					
Beryllium	2.1	517	541	95.3	2.7	20
Bismuth						
Boron						
Cadmium	2.0	558	541	102.9	0.5	20
Calcium	anr					
Chromium	1.9	576	541	106.2	0.2	20
Cobalt	anr					
Copper	0.0	533	541	98.6	0.2	20
Iron	anr					
Lead	0.0	551	541	101.9	0.5	20
Lithium						
Magnesium	anr					
Manganese	anr					
Molybdenum	anr					
Nickel	4.2	548	541	100.6	0.4	20
Phosphorus						
Potassium	anr					
Selenium	0.0	559	541	103.4	0.4	20
Silicon						
Silver	0.0	69.2	67.6	102.4	1.6	20
Sodium	anr					
Strontium						
Sulfur						
Thallium	0.0	567	541	104.9	0.4	20
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	12.3	534	541	96.5	6.4	20

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6039
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 03/05/18

Metal	JC61588-1 Original MSD	Spikelet MPSPK2	% Rec	MSD RPD	QC Limit
-------	---------------------------	--------------------	-------	------------	-------------

Zirconium

Associated samples MP6039: JC61667-1, JC61667-2, JC61667-3, JC61667-4, JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6039
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 03/05/18

Metal	BSP Result	SpikeLot MPSPK2	% Rec	QC Limits
Aluminum	anr			
Antimony	202	198	102.0	80-120
Arsenic	209	198	105.5	80-120
Barium	anr			
Beryllium	213	198	107.6	80-120
Bismuth				
Boron				
Cadmium	207	198	104.5	80-120
Calcium	anr			
Chromium	217	198	109.6	80-120
Cobalt	anr			
Copper	210	198	106.1	80-120
Iron	anr			
Lead	219	198	110.6	80-120
Lithium				
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel	213	198	107.6	80-120
Phosphorus				
Potassium	anr			
Selenium	206	198	104.0	80-120
Silicon				
Silver	24.7	24.8	99.8	80-120
Sodium	anr			
Strontium				
Sulfur				
Thallium	218	198	110.1	80-120
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	218	198	110.1	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC61667
Account: ATCVTW - ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6039
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 03/05/18

Metal	BSP Result	SpikeLot MPSPK2	% Rec	QC Limits
-------	---------------	--------------------	-------	--------------

Zirconium

Associated samples MP6039: JC61667-1, JC61667-2, JC61667-3, JC61667-4, JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6039
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/05/18

Metal	JC61588-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	anr			
Beryllium	7.90	7.70	2.5	0-10
Bismuth				
Boron				
Cadmium	7.30	0.00	100.0(a)	0-10
Calcium	anr			
Chromium	7.10	0.00	100.0(a)	0-10
Cobalt	anr			
Copper	0.00	0.00	NC	0-10
Iron	anr			
Lead	0.00	0.00	NC	0-10
Lithium				
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel	15.8	0.00	100.0(a)	0-10
Phosphorus				
Potassium	anr			
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium	anr			
Strontium				
Sulfur				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	46.1	49.3	6.9	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6039
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/05/18

Metal	JC61588-1 Original SDL 1:5	%DIF	QC Limits
-------	-------------------------------	------	--------------

Zirconium

Associated samples MP6039: JC61667-1, JC61667-2, JC61667-3, JC61667-4, JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC61667
Account: ATCVTW - ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6040
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 03/05/18

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.059	.083	0.015	<0.20

Associated samples MP6040: JC61667-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6040
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 03/05/18

Metal	JC61561-1 Original MS	Spikelot HGPW3	% Rec	QC Limits
Mercury	0.25	1.7	2	72.5N(a) 75-125

Associated samples MP6040: JC61667-14

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested
 (a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6040
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 03/05/18

Metal	JC61561-1 Original	MSD	Spike lot HGPW3	% Rec	MSD RPD	QC Limit
Mercury	0.25	1.7	2	72.5N(a)	0.0	20

Associated samples MP6040: JC61667-14

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested
 (a) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC61667
Account: ATCVTW - ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6040
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 03/05/18

Metal	BSP Result	SpikeLot HGPW3	% Rec	QC Limits
Mercury	1.9	2	95.0	80-120

Associated samples MP6040: JC61667-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC61667
Account: ATCVTW - ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6052
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 03/06/18

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0067	.015	0.010	<0.033

Associated samples MP6052: JC61667-1, JC61667-2, JC61667-3, JC61667-4, JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6052
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 03/06/18

Metal	JC61667-1		SpikeLot		QC
	Original	MS	HGPWS1	% Rec	Limits
Mercury	0.049	0.35	0.33	91.3	80-120

Associated samples MP6052: JC61667-1, JC61667-2, JC61667-3, JC61667-4, JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6052
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 03/06/18

Metal	JC61667-1 Original MSD	SpikeLot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.049	0.35	0.32	94.0	0.0

Associated samples MP6052: JC61667-1, JC61667-2, JC61667-3, JC61667-4, JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC61667
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6052
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 03/06/18

Metal	BSP Result	SpikeLot HGPWS1	% Rec	QC Limits
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Mercury	0.32	0.333	96.0	80-120
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Associated samples MP6052: JC61667-1, JC61667-2, JC61667-3, JC61667-4, JC61667-5, JC61667-6, JC61667-7, JC61667-8, JC61667-9, JC61667-10, JC61667-11, JC61667-12, JC61667-13

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

ATC Group Services LLC.

Cabot Sawmill, Sawmill Road, Cabot, VT

280EM00128

SGS Job Number: JC62367

Sampling Date: 03/13/18

Report to:

ATC Group Services LLC.
1 Elm Street Suite 3
Waterbury, VT 05676
Johanna.Palmer@ATCAssociates.com

ATTN: Johanna Palmer

Total number of pages in report: 52



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.



Nancy Cole
Laboratory Director

Client Service contact: Kristin Degraw 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

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Test results relate only to samples analyzed.

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Sample Summary

ATC Group Services LLC.

Job No: JC62367

Cabot Sawmill, Sawmill Road, Cabot, VT
Project No: 280EM00128

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JC62367-1	03/13/18	13:20 JP	03/15/18	AQ	Ground Water	ATC-2
JC62367-2	03/13/18	11:30 JP	03/15/18	AQ	Ground Water	ATC-3
JC62367-3	03/13/18	14:30 JP	03/15/18	AQ	Ground Water	ATC-4
JC62367-4	03/13/18	12:00 JP	03/15/18	AQ	Ground Water	DUP
JC62367-5	03/13/18	14:30 JP	03/15/18	AQ	Trip Blank Water	TRIP BLANK

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: ATC Group Services LLC.

Job No JC62367

Site: Cabot Sawmill, Sawmill Road, Cabot, VT

Report Date 3/22/2018 4:56:43 PM

On 03/15/2018, 4 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 3.6 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JC62367 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260C

Matrix: AQ

Batch ID: V3B6413

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC62367-3DUP, JC62367-4MS were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JC62367-5 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.
- JC62367-5 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JC62367-5 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JC62367-5 for Freon 113: Associated CCV outside of control limits high, sample was ND.
- JC62367-3 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JC62367-5 for Vinyl chloride: Associated CCV outside of control limits high, sample was ND.
- JC62367-1 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JC62367-3 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JC62367-4 for Freon 113: Associated CCV outside of control limits high, sample was ND.
- JC62367-4 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.
- JC62367-4 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JC62367-4 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JC62367-3 for Vinyl chloride: Associated CCV outside of control limits high, sample was ND.
- JC62367-1 for Freon 113: Associated CCV outside of control limits high, sample was ND.
- JC62367-1 for Vinyl chloride: Associated CCV outside of control limits high, sample was ND.
- JC62367-3 for Freon 113: Associated CCV outside of control limits high, sample was ND.
- JC62367-4 for Vinyl chloride: Associated CCV outside of control limits high, sample was ND.
- JC62367-1 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JC62367-2 for Bromomethane: Associated CCV outside of control limits high, sample was ND.
- JC62367-2 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JC62367-2 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.
- JC62367-2 for Freon 113: Associated CCV outside of control limits high, sample was ND.
- JC62367-2 for Vinyl chloride: Associated CCV outside of control limits high, sample was ND.
- JC62367-1 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.
- JC62367-3 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND.

Thursday, March 22, 2018

Page 1 of 2

Metals Analysis By Method SW846 6010C

Matrix: AQ

Batch ID: MP6207

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC62367-2MS, JC62367-2MSD, JC62367-2SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Chromium, Copper, Silver, Zinc are outside control limits for sample MP6207-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals Analysis By Method SW846 7470A

Matrix: AQ

Batch ID: MP6217

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC62367-1MS, JC62367-1MSD were used as the QC samples for metals.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

Summary of Hits

Job Number: JC62367
Account: ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT
Collected: 03/13/18



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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JC62367-1 ATC-2

No hits reported in this sample.

JC62367-2 ATC-3

No hits reported in this sample.

JC62367-3 ATC-4

No hits reported in this sample.

JC62367-4 DUP

No hits reported in this sample.

JC62367-5 TRIP BLANK

No hits reported in this sample.



Dayton, NJ

Section 4

4

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	ATC-2	Date Sampled:	03/13/18
Lab Sample ID:	JC62367-1	Date Received:	03/15/18
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B144985.D	1	03/20/18 23:11	EH	n/a	n/a	V3B6413
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113 ^a	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ATC-2	Date Sampled:	03/13/18
Lab Sample ID:	JC62367-1	Date Received:	03/15/18
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride ^a	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	95%		81-124%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	94%		80-120%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ATC-2	Date Sampled:	03/13/18
Lab Sample ID:	JC62367-1	Date Received:	03/15/18
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Arsenic	< 3.0	3.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Beryllium	< 1.0	1.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Cadmium	< 3.0	3.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Chromium	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Copper	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Lead	< 3.0	3.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Mercury	< 0.20	0.20	ug/l	1	03/17/18	03/17/18 JA	SW846 7470A ¹	SW846 7470A ⁴
Nickel	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Selenium	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Silver	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Thallium	< 2.0	2.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Zinc	< 20	20	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³

- (1) Instrument QC Batch: MA44028
- (2) Instrument QC Batch: MA44036
- (3) Prep QC Batch: MP6207
- (4) Prep QC Batch: MP6217

RL = Reporting Limit

4.1
4

Report of Analysis

Client Sample ID:	ATC-3	Date Sampled:	03/13/18
Lab Sample ID:	JC62367-2	Date Received:	03/15/18
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B144986.D	1	03/20/18 23:39	EH	n/a	n/a	V3B6413
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113 ^a	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ATC-3	Date Sampled:	03/13/18
Lab Sample ID:	JC62367-2	Date Received:	03/15/18
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride ^a	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		81-124%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	94%		80-120%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ATC-3	Date Sampled:	03/13/18
Lab Sample ID:	JC62367-2	Date Received:	03/15/18
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Arsenic	< 3.0	3.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Beryllium	< 1.0	1.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Cadmium	< 3.0	3.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Chromium	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Copper	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Lead	< 3.0	3.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Mercury	< 0.20	0.20	ug/l	1	03/17/18	03/17/18 JA	SW846 7470A ¹	SW846 7470A ⁴
Nickel	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Selenium	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Silver	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Thallium	< 2.0	2.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Zinc	< 20	20	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³

- (1) Instrument QC Batch: MA44028
- (2) Instrument QC Batch: MA44036
- (3) Prep QC Batch: MP6207
- (4) Prep QC Batch: MP6217

RL = Reporting Limit

4.2
4

Report of Analysis

Client Sample ID:	ATC-4	Date Sampled:	03/13/18
Lab Sample ID:	JC62367-3	Date Received:	03/15/18
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B144987.D	1	03/21/18 00:08	EH	n/a	n/a	V3B6413
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113 ^a	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ATC-4	Date Sampled:	03/13/18
Lab Sample ID:	JC62367-3	Date Received:	03/15/18
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride ^a	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	96%		81-124%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	94%		80-120%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ATC-4	Date Sampled:	03/13/18
Lab Sample ID:	JC62367-3	Date Received:	03/15/18
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Arsenic	< 3.0	3.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Beryllium	< 1.0	1.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Cadmium	< 3.0	3.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Chromium	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Copper	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Lead	< 3.0	3.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Mercury	< 0.20	0.20	ug/l	1	03/17/18	03/17/18 JA	SW846 7470A ¹	SW846 7470A ⁴
Nickel	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Selenium	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Silver	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Thallium	< 2.0	2.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Zinc	< 20	20	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³

- (1) Instrument QC Batch: MA44028
- (2) Instrument QC Batch: MA44036
- (3) Prep QC Batch: MP6207
- (4) Prep QC Batch: MP6217

RL = Reporting Limit

4.3
4

Report of Analysis

Client Sample ID:	DUP	Date Sampled:	03/13/18
Lab Sample ID:	JC62367-4	Date Received:	03/15/18
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B144988.D	1	03/21/18 00:36	EH	n/a	n/a	V3B6413
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113 ^a	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP	Date Sampled:	03/13/18
Lab Sample ID:	JC62367-4	Date Received:	03/15/18
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride ^a	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		81-124%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	93%		80-120%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP	Date Sampled:	03/13/18
Lab Sample ID:	JC62367-4	Date Received:	03/15/18
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Arsenic	< 3.0	3.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Beryllium	< 1.0	1.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Cadmium	< 3.0	3.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Chromium	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Copper	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Lead	< 3.0	3.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Mercury	< 0.20	0.20	ug/l	1	03/17/18	03/17/18 JA	SW846 7470A ¹	SW846 7470A ⁴
Nickel	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Selenium	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Silver	< 10	10	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Thallium	< 2.0	2.0	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³
Zinc	< 20	20	ug/l	1	03/16/18	03/19/18 GT	SW846 6010C ²	SW846 3010A ³

- (1) Instrument QC Batch: MA44028
- (2) Instrument QC Batch: MA44036
- (3) Prep QC Batch: MP6207
- (4) Prep QC Batch: MP6217

RL = Reporting Limit

4.4
4

Report of Analysis

Client Sample ID:	TRIP BLANK	Date Sampled:	03/13/18
Lab Sample ID:	JC62367-5	Date Received:	03/15/18
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B144984.D	1	03/20/18 22:43	EH	n/a	n/a	V3B6413
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane ^a	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane ^a	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane ^a	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113 ^a	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK	Date Sampled:	03/13/18
Lab Sample ID:	JC62367-5	Date Received:	03/15/18
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	Cabot Sawmill, Sawmill Road, Cabot, VT		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride ^a	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		81-124%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	93%		80-120%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



ACCUTEST

CHAIN OF CUSTODY

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

PREM

PAGE 1 OF 1

FED-EX Tracking # 78834155830
SGS Accutest Quote #
Bottle Order Control #
SGS Accutest Job # JC62367

Client / Reporting Information		Project Information		Requested Analysis (see TEST CODE sheet)												Matrix Code	
Company Name ATC Group Services		Project Name Cabot Sawmill															
Street Address 1 Elm St. Suite 3		Street															
City, State, Zip Colchester VT 05676		City, State Cabot VT															
Project Contact Johanna Palmer		Project # 280EM00128															
Phone # 802-241-4131		Client Purchase Order #															
Sampler(s) Name(s) Jo Palmer		Project Manager Johanna Palmer															
Attention:																	
Collection		Number of preserved Bottles															
SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE		
1	ATC-2	-	3/13/18	1320	AP	SW	4	3	1								
2	ATC-3	-	1	1130	1	1	4	3	1								
3	ATC-4	-	1	1430	1	1	4	3	1								
4	DUP	-	1	1200	1	1	4	3	1								
5	trip blank	-	1		1	TB	2	2									
Turnaround Time (Business days)																	
Data Deliverable Information																	
Comments / Special Instructions																	
☒ Std. 10 Business Days ☐ 5 Day RUSH ☐ 3 Day RUSH ☐ 2 Day RUSH ☐ 1 Day RUSH ☐ other Approved By (SGS Accutest PM): / Date: _____ _____ _____ _____ _____ _____ Emergency & Rush T/A data available VIA Lablink ☐ Commercial "A" (Level 1) ☒ Commercial "B" (Level 2) ☐ FULLT1 (Level 3+4) ☐ NJ Reduced ☐ Commercial "C" ☐ NJ Data of Known Quality Protocol Reporting Commercial "A" = Results Only, Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data ☐ NYASP Category A ☐ NYASP Category B ☐ State Forms ☐ EDD Format ☐ Other EDD + PDF please INITIAL ASSESSMENT <i>[Signature]</i> LABEL VERIFICATION Sample inventory is verified upon receipt in the Laboratory																	
Sample Custody must be documented below each time samples change possession, including courier delivery.																	
Relinquished by Sampler: 1 [Signature]		Date/Time: 3/13/18 1710		Received By: 1 [Signature]		Relinquished By: 2 [Signature]		Date/Time: 3/13/18 1710		Received By: 2 [Signature]		Relinquished by Sampler: 3 [Signature]		Date/Time: 3/13/18 9:40		Received By: 3 [Signature]	
Relinquished by Sampler: 4 [Signature]		Date/Time:		Received By:		Relinquished By:		Date/Time:		Received By:		Relinquished by Sampler: 5 [Signature]		Date/Time:		Received By:	
Custody Seal # ☐ Intact ☐ Not intact Preserved where applicable ☐ On Ice ☒ Cooler Temp. 21°C																	

Form SM088-01C Rev. Date 9/13/16

JC62367: Chain of Custody

Page 1 of 2



SGS Sample Receipt Summary

Job Number: JC62367

Client:
Project:
Date / Time Received: 3/15/2018 9:40:00 AM

Delivery Method:
Airbill #s:
Cooler Temps (Raw Measured) °C: Cooler 1: (2.1);

Cooler Temps (Corrected) °C: Cooler 1: (3.6);

Cooler Security
Y or N
Y or N

- | | |
|--|---|
| 1. Custody Seals Present: ☒ Y ☐ N | 3. COC Present: ☒ Y ☐ N |
| 2. Custody Seals Intact: ☒ Y ☐ N | 4. Smpl Dates/Time OK: ☒ Y ☐ N |

Cooler Temperature
Y or N

- | | |
|---|-----------|
| 1. Temp criteria achieved: ☒ Y ☐ N | IR Gun |
| 2. Cooler temp verification: | |
| 3. Cooler media: | Ice (Bag) |
| 4. No. Coolers: | 1 |

Quality Control Preservation
Y or N
N/A

- | | |
|---|--|
| 1. Trip Blank present / cooler: ☒ Y ☐ N ☐ N/A | |
| 2. Trip Blank listed on COC: ☒ Y ☐ N ☐ N/A | |
| 3. Samples preserved properly: ☒ Y ☐ N ☐ N/A | |
| 4. VOCs headspace free: ☒ Y ☐ N ☐ N/A | |

Sample Integrity - Documentation
Y or N

- | | |
|---|--|
| 1. Sample labels present on bottles: ☒ Y ☐ N | |
| 2. Container labeling complete: ☒ Y ☐ N | |
| 3. Sample container label / COC agree: ☒ Y ☐ N | |

Sample Integrity - Condition
Y or N

- | | |
|---|--------|
| 1. Sample recvd within HT: ☒ Y ☐ N | |
| 2. All containers accounted for: ☒ Y ☐ N | |
| 3. Condition of sample: | Intact |

Sample Integrity - Instructions
Y or N
N/A

- | | |
|--|--|
| 1. Analysis requested is clear: ☒ Y ☐ N | |
| 2. Bottles received for unspecified tests: ☐ Y ☒ N | |
| 3. Sufficient volume recvd for analysis: ☒ Y ☐ N | |
| 4. Compositing instructions clear: ☐ Y ☐ N ☒ N/A | |
| 5. Filtering instructions clear: ☐ Y ☐ N ☒ N/A | |

Test Strip Lot #s:

pH 1-12: 216017

pH 12+: 208717

Other: (Specify)

Comments

 SM089-03
Rev. Date 12/7/17

JC62367: Chain of Custody

Page 2 of 2

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Page 1 of 2

Job Number: JC62367
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B6413-MB	3B144983.D	1	03/20/18	EH	n/a	n/a	V3B6413

The QC reported here applies to the following samples:

Method: SW846 8260C

JC62367-1, JC62367-2, JC62367-3, JC62367-4, JC62367-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	

Method Blank Summary

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Job Number: JC62367
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B6413-MB	3B144983.D	1	03/20/18	EH	n/a	n/a	V3B6413

The QC reported here applies to the following samples:

Method: SW846 8260C

JC62367-1, JC62367-2, JC62367-3, JC62367-4, JC62367-5

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	102% 80-120%
17060-07-0	1,2-Dichloroethane-D4	95% 81-124%
2037-26-5	Toluene-D8	94% 80-120%
460-00-4	4-Bromofluorobenzene	94% 80-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Page 1 of 2

Job Number: JC62367
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B6413-BS	3B144981.D	1	03/20/18	EH	n/a	n/a	V3B6413

The QC reported here applies to the following samples:

Method: SW846 8260C

JC62367-1, JC62367-2, JC62367-3, JC62367-4, JC62367-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	187	94	42-150
71-43-2	Benzene	50	49.3	99	80-120
74-97-5	Bromochloromethane	50	53.3	107	84-121
75-27-4	Bromodichloromethane	50	48.7	97	83-120
75-25-2	Bromoform	50	49.3	99	76-129
74-83-9	Bromomethane	50	64.9	130	57-138
78-93-3	2-Butanone (MEK)	200	203	102	64-137
75-15-0	Carbon disulfide	50	33.7	67	64-137
56-23-5	Carbon tetrachloride	50	53.0	106	75-135
108-90-7	Chlorobenzene	50	48.8	98	84-117
75-00-3	Chloroethane	50	63.7	127	63-132
67-66-3	Chloroform	50	45.9	92	80-119
74-87-3	Chloromethane	50	63.1	126	46-136
110-82-7	Cyclohexane	50	50.8	102	64-137
96-12-8	1,2-Dibromo-3-chloropropane	50	48.9	98	72-127
124-48-1	Dibromochloromethane	50	47.2	94	80-123
106-93-4	1,2-Dibromoethane	50	47.8	96	84-117
95-50-1	1,2-Dichlorobenzene	50	51.2	102	84-119
541-73-1	1,3-Dichlorobenzene	50	50.7	101	81-117
106-46-7	1,4-Dichlorobenzene	50	49.1	98	82-117
75-71-8	Dichlorodifluoromethane	50	64.0	128	36-149
75-34-3	1,1-Dichloroethane	50	50.5	101	79-120
107-06-2	1,2-Dichloroethane	50	43.4	87	78-126
75-35-4	1,1-Dichloroethene	50	49.5	99	69-126
156-59-2	cis-1,2-Dichloroethene	50	49.7	99	80-120
156-60-5	trans-1,2-Dichloroethene	50	50.6	101	76-120
78-87-5	1,2-Dichloropropane	50	52.2	104	82-121
10061-01-5	cis-1,3-Dichloropropene	50	52.0	104	83-120
10061-02-6	trans-1,3-Dichloropropene	50	44.6	89	82-121
100-41-4	Ethylbenzene	50	50.0	100	80-120
76-13-1	Freon 113	50	60.9	122	62-182
591-78-6	2-Hexanone	200	204	102	65-132
98-82-8	Isopropylbenzene	50	52.9	106	83-120
79-20-9	Methyl Acetate	50	49.3	99	67-129
108-87-2	Methylcyclohexane	50	54.8	110	71-134
1634-04-4	Methyl Tert Butyl Ether	35	34.7	99	80-119

* = Outside of Control Limits.

Blank Spike Summary

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Job Number: JC62367
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3B6413-BS	3B144981.D	1	03/20/18	EH	n/a	n/a	V3B6413

The QC reported here applies to the following samples:

Method: SW846 8260C

JC62367-1, JC62367-2, JC62367-3, JC62367-4, JC62367-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	234	117	71-131
75-09-2	Methylene chloride	50	50.6	101	77-120
100-42-5	Styrene	50	51.2	102	82-122
79-34-5	1,1,2,2-Tetrachloroethane	50	54.8	110	76-119
127-18-4	Tetrachloroethene	50	48.4	97	70-131
108-88-3	Toluene	50	47.7	95	80-120
87-61-6	1,2,3-Trichlorobenzene	50	49.4	99	76-134
120-82-1	1,2,4-Trichlorobenzene	50	50.5	101	79-132
71-55-6	1,1,1-Trichloroethane	50	51.4	103	81-128
79-00-5	1,1,2-Trichloroethane	50	48.1	96	83-118
79-01-6	Trichloroethene	50	48.6	97	80-120
75-69-4	Trichlorofluoromethane	50	55.1	110	64-136
75-01-4	Vinyl chloride	50	66.8	134	51-135
	m,p-Xylene	100	104	104	80-120
95-47-6	o-Xylene	50	51.1	102	80-120
1330-20-7	Xylene (total)	150	155	103	80-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	80-120%
17060-07-0	1,2-Dichloroethane-D4	88%	81-124%
2037-26-5	Toluene-D8	94%	80-120%
460-00-4	4-Bromofluorobenzene	97%	80-120%

* = Outside of Control Limits.

Matrix Spike Summary

Page 1 of 2

Job Number: JC62367
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC62367-4MS	3B145002.D	1	03/21/18	EH	n/a	n/a	V3B6413
JC62367-4	3B144988.D	1	03/21/18	EH	n/a	n/a	V3B6413

The QC reported here applies to the following samples:

Method: SW846 8260C

JC62367-1, JC62367-2, JC62367-3, JC62367-4, JC62367-5

CAS No.	Compound	JC62367-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
67-64-1	Acetone	ND		200	169	85	34-149
71-43-2	Benzene	ND		50	51.3	103	54-136
74-97-5	Bromochloromethane	ND		50	54.2	108	79-124
75-27-4	Bromodichloromethane	ND		50	49.1	98	79-124
75-25-2	Bromoform	ND		50	47.3	95	71-130
74-83-9	Bromomethane	ND		50	60.9	122	53-142
78-93-3	2-Butanone (MEK)	ND		200	180	90	54-142
75-15-0	Carbon disulfide	ND		50	38.8	78	59-145
56-23-5	Carbon tetrachloride	ND		50	54.8	110	70-143
108-90-7	Chlorobenzene	ND		50	51.3	103	78-123
75-00-3	Chloroethane	ND		50	62.6	125	57-141
67-66-3	Chloroform	ND		50	46.8	94	76-123
74-87-3	Chloromethane	ND		50	56.5	113	43-141
110-82-7	Cyclohexane	ND		50	56.1	112	51-155
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	45.4	91	66-130
124-48-1	Dibromochloromethane	ND		50	47.6	95	76-125
106-93-4	1,2-Dibromoethane	ND		50	46.8	94	78-119
95-50-1	1,2-Dichlorobenzene	ND		50	50.9	102	77-123
541-73-1	1,3-Dichlorobenzene	ND		50	51.4	103	76-122
106-46-7	1,4-Dichlorobenzene	ND		50	49.7	99	76-122
75-71-8	Dichlorodifluoromethane	ND		50	58.1	116	31-159
75-34-3	1,1-Dichloroethane	ND		50	52.1	104	73-126
107-06-2	1,2-Dichloroethane	ND		50	43.1	86	72-131
75-35-4	1,1-Dichloroethene	ND		50	57.5	115	63-136
156-59-2	cis-1,2-Dichloroethene	ND		50	51.5	103	60-136
156-60-5	trans-1,2-Dichloroethene	ND		50	53.8	108	70-126
78-87-5	1,2-Dichloropropane	ND		50	53.1	106	78-124
10061-01-5	cis-1,3-Dichloropropene	ND		50	52.2	104	79-123
10061-02-6	trans-1,3-Dichloropropene	ND		50	46.1	92	77-123
100-41-4	Ethylbenzene	ND		50	52.1	104	51-140
76-13-1	Freon 113	ND		50	64.0	128	60-192
591-78-6	2-Hexanone	ND		200	192	96	56-139
98-82-8	Isopropylbenzene	ND		50	55.2	110	75-129
79-20-9	Methyl Acetate	ND		50	45.0	90	55-131
108-87-2	Methylcyclohexane	ND		50	60.2	120	57-155
1634-04-4	Methyl Tert Butyl Ether	ND		35	33.6	96	72-123

* = Outside of Control Limits.

Matrix Spike Summary

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Job Number: JC62367
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC62367-4MS	3B145002.D	1	03/21/18	EH	n/a	n/a	V3B6413
JC62367-4	3B144988.D	1	03/21/18	EH	n/a	n/a	V3B6413

The QC reported here applies to the following samples:

Method: SW846 8260C

JC62367-1, JC62367-2, JC62367-3, JC62367-4, JC62367-5

CAS No.	Compound	JC62367-4 ug/l	Spike Q	ug/l	MS ug/l	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	200	217	109	66-136	
75-09-2	Methylene chloride	ND	50	54.0	108	73-125	
100-42-5	Styrene	ND	50	52.3	105	75-129	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	52.2	104	71-122	
127-18-4	Tetrachloroethene	ND	50	52.5	105	61-139	
108-88-3	Toluene	ND	50	50.4	101	60-135	
87-61-6	1,2,3-Trichlorobenzene	ND	50	48.2	96	70-138	
120-82-1	1,2,4-Trichlorobenzene	ND	50	49.9	100	72-137	
71-55-6	1,1,1-Trichloroethane	ND	50	53.5	107	74-138	
79-00-5	1,1,2-Trichloroethane	ND	50	48.5	97	78-121	
79-01-6	Trichloroethene	ND	50	51.3	103	62-141	
75-69-4	Trichlorofluoromethane	ND	50	56.2	112	57-149	
75-01-4	Vinyl chloride	ND	50	61.9	124	43-146	
	m,p-Xylene	ND	100	108	108	50-144	
95-47-6	o-Xylene	ND	50	52.1	104	63-134	
1330-20-7	Xylene (total)	ND	150	160	107	56-139	

CAS No.	Surrogate Recoveries	MS	JC62367-4	Limits
1868-53-7	Dibromofluoromethane	100%	104%	80-120%
17060-07-0	1,2-Dichloroethane-D4	88%	94%	81-124%
2037-26-5	Toluene-D8	96%	95%	80-120%
460-00-4	4-Bromofluorobenzene	97%	93%	80-120%

* = Outside of Control Limits.

Duplicate Summary

Page 1 of 2

Job Number: JC62367
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC62367-3DUP	3B145001.D	1	03/21/18	EH	n/a	n/a	V3B6413
JC62367-3	3B144987.D	1	03/21/18	EH	n/a	n/a	V3B6413

The QC reported here applies to the following samples:

Method: SW846 8260C

JC62367-1, JC62367-2, JC62367-3, JC62367-4, JC62367-5

CAS No.	Compound	JC62367-3 ug/l	DUP Q ug/l	Q	RPD	Limits
67-64-1	Acetone	ND	ND		nc	20
71-43-2	Benzene	ND	ND		nc	20
74-97-5	Bromochloromethane	ND	ND		nc	20
75-27-4	Bromodichloromethane	ND	ND		nc	20
75-25-2	Bromoform	ND	ND		nc	20
74-83-9	Bromomethane	ND	ND		nc	20
78-93-3	2-Butanone (MEK)	ND	ND		nc	20
75-15-0	Carbon disulfide	ND	ND		nc	20
56-23-5	Carbon tetrachloride	ND	ND		nc	20
108-90-7	Chlorobenzene	ND	ND		nc	20
75-00-3	Chloroethane	ND	ND		nc	20
67-66-3	Chloroform	ND	ND		nc	20
74-87-3	Chloromethane	ND	ND		nc	20
110-82-7	Cyclohexane	ND	ND		nc	20
96-12-8	1,2-Dibromo-3-chloropropane	ND	ND		nc	20
124-48-1	Dibromochloromethane	ND	ND		nc	20
106-93-4	1,2-Dibromoethane	ND	ND		nc	20
95-50-1	1,2-Dichlorobenzene	ND	ND		nc	20
541-73-1	1,3-Dichlorobenzene	ND	ND		nc	20
106-46-7	1,4-Dichlorobenzene	ND	ND		nc	20
75-71-8	Dichlorodifluoromethane	ND	ND		nc	20
75-34-3	1,1-Dichloroethane	ND	ND		nc	20
107-06-2	1,2-Dichloroethane	ND	ND		nc	20
75-35-4	1,1-Dichloroethene	ND	ND		nc	20
156-59-2	cis-1,2-Dichloroethene	ND	ND		nc	20
156-60-5	trans-1,2-Dichloroethene	ND	ND		nc	20
78-87-5	1,2-Dichloropropane	ND	ND		nc	20
10061-01-5	cis-1,3-Dichloropropene	ND	ND		nc	20
10061-02-6	trans-1,3-Dichloropropene	ND	ND		nc	20
100-41-4	Ethylbenzene	ND	ND		nc	20
76-13-1	Freon 113	ND	ND		nc	20
591-78-6	2-Hexanone	ND	ND		nc	20
98-82-8	Isopropylbenzene	ND	ND		nc	20
79-20-9	Methyl Acetate	ND	ND		nc	20
108-87-2	Methylcyclohexane	ND	ND		nc	20
1634-04-4	Methyl Tert Butyl Ether	ND	ND		nc	20

* = Outside of Control Limits.

Duplicate Summary

Page 2 of 2

Job Number: JC62367
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JC62367-3DUP	3B145001.D	1	03/21/18	EH	n/a	n/a	V3B6413
JC62367-3	3B144987.D	1	03/21/18	EH	n/a	n/a	V3B6413

The QC reported here applies to the following samples:

Method: SW846 8260C

JC62367-1, JC62367-2, JC62367-3, JC62367-4, JC62367-5

CAS No.	Compound	JC62367-3 ug/l	DUP Q ug/l	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	ND		nc	20
75-09-2	Methylene chloride	ND	ND		nc	20
100-42-5	Styrene	ND	ND		nc	20
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND		nc	20
127-18-4	Tetrachloroethene	ND	ND		nc	20
108-88-3	Toluene	ND	ND		nc	20
87-61-6	1,2,3-Trichlorobenzene	ND	ND		nc	20
120-82-1	1,2,4-Trichlorobenzene	ND	ND		nc	20
71-55-6	1,1,1-Trichloroethane	ND	ND		nc	20
79-00-5	1,1,2-Trichloroethane	ND	ND		nc	20
79-01-6	Trichloroethene	ND	ND		nc	20
75-69-4	Trichlorofluoromethane	ND	ND		nc	20
75-01-4	Vinyl chloride	ND	ND		nc	20
	m,p-Xylene	ND	ND		nc	20
95-47-6	o-Xylene	ND	ND		nc	20
1330-20-7	Xylene (total)	ND	ND		nc	20

CAS No.	Surrogate Recoveries	DUP	JC62367-3	Limits
1868-53-7	Dibromofluoromethane	103%	103%	80-120%
17060-07-0	1,2-Dichloroethane-D4	93%	96%	81-124%
2037-26-5	Toluene-D8	93%	95%	80-120%
460-00-4	4-Bromofluorobenzene	92%	94%	80-120%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

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Job Number: JC62367
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: V3B6383-BFB	Injection Date: 02/27/18
Lab File ID: 3B144366.D	Injection Time: 19:47
Instrument ID: GCMS3B	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	31056	17.3	Pass
75	30.0 - 60.0% of mass 95	86288	48.2	Pass
95	Base peak, 100% relative abundance	179115	100.0	Pass
96	5.0 - 9.0% of mass 95	11726	6.55	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 150.0% of mass 95	162411	90.7	Pass
175	5.0 - 9.0% of mass 174	12305	6.87 (7.58) ^a	Pass
176	95.0 - 101.0% of mass 174	160661	89.7 (98.9) ^a	Pass
177	5.0 - 9.0% of mass 176	10491	5.86 (6.53) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3B6383-IC6383	3B144367.D	02/27/18	20:27	00:40	Initial cal 0.2
V3B6383-IC6383	3B144368.D	02/27/18	20:55	01:08	Initial cal 0.5
V3B6383-IC6383	3B144369.D	02/27/18	21:24	01:37	Initial cal 1
V3B6383-IC6383	3B144370.D	02/27/18	21:52	02:05	Initial cal 2
V3B6383-IC6383	3B144371.D	02/27/18	22:20	02:33	Initial cal 5
V3B6383-IC6383	3B144372.D	02/27/18	22:49	03:02	Initial cal 10
V3B6383-IC6383	3B144373.D	02/27/18	23:17	03:30	Initial cal 20
V3B6383-ICC6383	3B144374.D	02/27/18	23:46	03:59	Initial cal 50
V3B6383-IC6383	3B144375.D	02/28/18	00:14	04:27	Initial cal 100
V3B6383-IC6383	3B144376.D	02/28/18	00:42	04:55	Initial cal 200
V3B6383-ICV6383	3B144379.D	02/28/18	02:07	06:20	Initial cal verification 50
V3B6383-ICV6383	3B144380.D	02/28/18	02:36	06:49	Initial cal verification 50

Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JC62367
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: V3B6401-BFB **Injection Date:** 03/13/18
Lab File ID: 3B144749.D **Injection Time:** 12:52
Instrument ID: GCMS3B

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	9047	16.5	Pass
75	30.0 - 60.0% of mass 95	24229	44.2	Pass
95	Base peak, 100% relative abundance	54765	100.0	Pass
96	5.0 - 9.0% of mass 95	3527	6.44	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 150.0% of mass 95	52784	96.4	Pass
175	5.0 - 9.0% of mass 174	3599	6.57 (6.82) ^a	Pass
176	95.0 - 101.0% of mass 174	51243	93.6 (97.1) ^a	Pass
177	5.0 - 9.0% of mass 176	3184	5.81 (6.21) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3B6401-ICV6383	3B144750.D	03/13/18	13:20	00:28	Initial cal verification 50
V3B6401-CC6383	3B144751.D	03/13/18	13:49	00:57	Continuing cal 20
V3B6401-BS	3B144752.D	03/13/18	14:32	01:40	Blank Spike
V3B6401-BSD	3B144753.D	03/13/18	15:01	02:09	Blank Spike Duplicate
V3B6401-MB	3B144755.D	03/13/18	15:59	03:07	Method Blank
ZZZZZZ	3B144756.D	03/13/18	16:28	03:36	(unrelated sample)
V3B6401-ECC6383	3B144757.D	03/13/18	16:57	04:05	Ending cal 20

Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JC62367
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Sample: V3B6413-BFB **Injection Date:** 03/20/18
Lab File ID: 3B144980.D **Injection Time:** 20:42
Instrument ID: GCMS3B

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	8689	17.4	Pass
75	30.0 - 60.0% of mass 95	23848	47.8	Pass
95	Base peak, 100% relative abundance	49893	100.0	Pass
96	5.0 - 9.0% of mass 95	3555	7.13	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 150.0% of mass 95	47024	94.2	Pass
175	5.0 - 9.0% of mass 174	3578	7.17 (7.61) ^a	Pass
176	95.0 - 101.0% of mass 174	46379	93.0 (98.6) ^a	Pass
177	5.0 - 9.0% of mass 176	3057	6.13 (6.59) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3B6413-CC6383	3B144980.D	03/20/18	20:42	00:00	Continuing cal 50
V3B6413-BS	3B144981.D	03/20/18	21:18	00:36	Blank Spike
V3B6413-MB	3B144983.D	03/20/18	22:14	01:32	Method Blank
JC62367-5	3B144984.D	03/20/18	22:43	02:01	TRIP BLANK
JC62367-1	3B144985.D	03/20/18	23:11	02:29	ATC-2
JC62367-2	3B144986.D	03/20/18	23:39	02:57	ATC-3
JC62367-3	3B144987.D	03/21/18	00:08	03:26	ATC-4
JC62367-4	3B144988.D	03/21/18	00:36	03:54	DUP
ZZZZZZ	3B144989.D	03/21/18	01:05	04:23	(unrelated sample)
ZZZZZZ	3B144990.D	03/21/18	01:34	04:52	(unrelated sample)
ZZZZZZ	3B144991.D	03/21/18	02:02	05:20	(unrelated sample)
ZZZZZZ	3B144992.D	03/21/18	02:30	05:48	(unrelated sample)
ZZZZZZ	3B144993.D	03/21/18	02:58	06:16	(unrelated sample)
ZZZZZZ	3B144994.D	03/21/18	03:27	06:45	(unrelated sample)
ZZZZZZ	3B144995.D	03/21/18	03:55	07:13	(unrelated sample)
ZZZZZZ	3B144996.D	03/21/18	04:24	07:42	(unrelated sample)
ZZZZZZ	3B144997.D	03/21/18	04:52	08:10	(unrelated sample)
ZZZZZZ	3B144998.D	03/21/18	05:20	08:38	(unrelated sample)
ZZZZZZ	3B144999.D	03/21/18	05:49	09:07	(unrelated sample)
ZZZZZZ	3B145000.D	03/21/18	06:17	09:35	(unrelated sample)
JC62367-3DUP	3B145001.D	03/21/18	06:55	10:13	Duplicate
JC62367-4MS	3B145002.D	03/21/18	07:23	10:41	Matrix Spike

Surrogate Recovery Summary

Job Number: JC62367
Account: ATCVTW ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

Method: SW846 8260C	Matrix: AQ
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JC62367-1	3B144985.D	103	95	94	94
JC62367-2	3B144986.D	105	97	94	94
JC62367-3	3B144987.D	103	96	95	94
JC62367-4	3B144988.D	104	94	95	93
JC62367-5	3B144984.D	104	94	95	93
JC62367-3DUP	3B145001.D	103	93	93	92
JC62367-4MS	3B145002.D	100	88	96	97
V3B6413-BS	3B144981.D	98	88	94	97
V3B6413-MB	3B144983.D	102	95	94	94

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-120%
S2 = 1,2-Dichloroethane-D4	81-124%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	80-120%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC62367
Account: ATCVTW - ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6207
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/16/18

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	33		
Antimony	6.0	2.3	4.3	0.80	<6.0
Arsenic	3.0	2.1	2.7	-0.70	<3.0
Barium	200	.3	1.3		
Beryllium	1.0	.1	.4	0.0	<1.0
Bismuth	20	2.9	5		
Boron	100	1.2	13		
Cadmium	3.0	.3	.7	0.10	<3.0
Calcium	5000	4.7	29		
Chromium	10	.4	.85	-0.20	<10
Cobalt	50	.4	.72		
Copper	10	1.1	3.2	0.0	<10
Iron	100	2.2	32		
Lead	3.0	1.9	2.6	-0.50	<3.0
Lithium	50	1.6	15		
Magnesium	5000	18	64		
Manganese	15	.5	.42		
Molybdenum	20	.5	1.4		
Nickel	10	.5	1.3	0.10	<10
Phosphorus	50	2.6	13		
Potassium	10000	56	230		
Selenium	10	3.3	6.6	0.40	<10
Silicon	200	2	45		
Silver	10	.4	3.1	0.10	<10
Sodium	10000	13	130		
Strontium	10	.1	.3		
Sulfur	50	5	15		
Thallium	2.0	1.9	1.6	-1.9	<2.0
Tin	10	1.1	2.4		
Titanium	10	.3	1.8		
Tungsten	50	1.7	14		
Vanadium	50	.4	1.3		
Zinc	20	.2	4	0.70	<20

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC62367
Account: ATCVTW - ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6207
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/16/18

Metal	RL	IDL	MDL	MB raw	final
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Zirconium 10 .3 2

Associated samples MP6207: JC62367-1, JC62367-2, JC62367-3, JC62367-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC62367
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6207
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/16/18

Metal	JC62367-2 Original MS		Spikelot MPSPK2	% Rec	QC Limits
Aluminum					
Antimony	0.0	2000	2000	100.0	75-125
Arsenic	0.0	1990	2000	99.5	75-125
Barium					
Beryllium	0.0	2000	2000	100.0	75-125
Bismuth					
Boron					
Cadmium	0.0	1950	2000	97.5	75-125
Calcium					
Chromium	1.3	1930	2000	96.4	75-125
Cobalt					
Copper	2.1	1940	2000	96.9	75-125
Iron	anr				
Lead	0.0	1980	2000	99.0	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel	6.1	1970	2000	98.2	75-125
Phosphorus					
Potassium					
Selenium	0.0	1960	2000	98.0	75-125
Silicon					
Silver	0.70	240	250	95.7	75-125
Sodium	anr				
Strontium					
Sulfur					
Thallium	0.0	2000	2000	100.0	75-125
Tin					
Titanium					
Tungsten					
Vanadium					
Zinc	1.1	1950	2000	97.4	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC62367
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6207
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/16/18

Metal	JC62367-2 Original MS	SpikeLot MPSPK2	% Rec	QC Limits
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Zirconium

Associated samples MP6207: JC62367-1, JC62367-2, JC62367-3, JC62367-4

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC62367
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6207
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/16/18

Metal	JC62367-2 Original	MSD	Spikelet MPSPK2	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	0.0	1990	2000	99.5	0.5	20
Arsenic	0.0	1980	2000	99.0	0.5	20
Barium						
Beryllium	0.0	2010	2000	100.5	0.5	20
Bismuth						
Boron						
Cadmium	0.0	1960	2000	98.0	0.5	20
Calcium						
Chromium	1.3	1950	2000	97.4	1.0	20
Cobalt						
Copper	2.1	1960	2000	97.9	1.0	20
Iron	anr					
Lead	0.0	1990	2000	99.5	0.5	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel	6.1	1990	2000	99.2	1.0	20
Phosphorus						
Potassium						
Selenium	0.0	1960	2000	98.0	0.0	20
Silicon						
Silver	0.70	242	250	96.5	0.8	20
Sodium	anr					
Strontium						
Sulfur						
Thallium	0.0	2020	2000	101.0	1.0	20
Tin						
Titanium						
Tungsten						
Vanadium						
Zinc	1.1	1960	2000	97.9	0.5	20

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC62367
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6207
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/16/18

Metal	JC62367-2 Original MSD	Spikelet MPSPK2	% Rec	MSD RPD	QC Limit
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Zirconium

Associated samples MP6207: JC62367-1, JC62367-2, JC62367-3, JC62367-4

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC62367
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6207
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/16/18 03/16/18

Metal	BSP Result	SpikeLot MPSPK2	% Rec	QC Limits	BSD Result	SpikeLot MPSPK2	% Rec	BSD RPD	QC Limit
Aluminum									
Antimony	1980	2000	99.0	80-120	2000	2000	100.0	1.0	20
Arsenic	1940	2000	97.0	80-120	1970	2000	98.5	1.5	20
Barium									
Beryllium	2010	2000	100.5	80-120	2010	2000	100.5	0.0	20
Bismuth									
Boron									
Cadmium	1940	2000	97.0	80-120	1960	2000	98.0	1.0	20
Calcium									
Chromium	1960	2000	98.0	80-120	1980	2000	99.0	1.0	20
Cobalt									
Copper	1960	2000	98.0	80-120	1990	2000	99.5	1.5	20
Iron	anr								
Lead	1980	2000	99.0	80-120	2000	2000	100.0	1.0	20
Lithium									
Magnesium									
Manganese									
Molybdenum									
Nickel	1970	2000	98.5	80-120	1990	2000	99.5	1.0	20
Phosphorus									
Potassium									
Selenium	1930	2000	96.5	80-120	1950	2000	97.5	1.0	20
Silicon									
Silver	239	250	95.6	80-120	243	250	97.2	1.7	20
Sodium	anr								
Strontium									
Sulfur									
Thallium	2030	2000	101.5	80-120	2040	2000	102.0	0.5	20
Tin									
Titanium									
Tungsten									
Vanadium									
Zinc	1960	2000	98.0	80-120	1980	2000	99.0	1.0	20

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC62367
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6207
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/16/18 03/16/18

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits	BSD Result	Spikelot MPSPK2	% Rec	BSD RPD	QC Limit
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Zirconium

Associated samples MP6207: JC62367-1, JC62367-2, JC62367-3, JC62367-4

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JC62367
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6207
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/16/18

Metal	JC62367-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	0.00	0.00	NC	0-10
Arsenic	0.00	0.00	NC	0-10
Barium				
Beryllium	0.00	0.00	NC	0-10
Bismuth				
Boron				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	1.30	0.00	100.0(a)	0-10
Cobalt				
Copper	2.10	0.00	100.0(a)	0-10
Iron	anr			
Lead	0.00	0.00	NC	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	6.10	6.70	9.8	0-10
Phosphorus				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.700	0.00	100.0(a)	0-10
Sodium	anr			
Strontium				
Sulfur				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Tungsten				
Vanadium				
Zinc	1.10	4.80	336.4(a)	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JC62367
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6207
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/16/18

Metal	JC62367-2 Original SDL 1:5	%DIF	QC Limits
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Zirconium

Associated samples MP6207: JC62367-1, JC62367-2, JC62367-3, JC62367-4

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

7.1.4

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BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JC62367
Account: ATCVTW - ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6217
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 03/17/18

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.059	.083	-0.0095	<0.20

Associated samples MP6217: JC62367-1, JC62367-2, JC62367-3, JC62367-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC62367
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6217
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 03/17/18

Metal	JC62367-1		SpikeLot		QC
	Original	MS	HGPW3	% Rec	Limits
Mercury	0.0	1.8	2	90.0	75-125

Associated samples MP6217: JC62367-1, JC62367-2, JC62367-3, JC62367-4

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JC62367
 Account: ATCVTW - ATC Group Services LLC.
 Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6217
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 03/17/18

Metal	JC62367-1 Original MSD		SpikeLot HGPW3	% Rec	MSD RPD	QC Limit
Mercury	0.0	1.9	2	95.0	5.4	20

Associated samples MP6217: JC62367-1, JC62367-2, JC62367-3, JC62367-4

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JC62367
Account: ATCVTW - ATC Group Services LLC.
Project: Cabot Sawmill, Sawmill Road, Cabot, VT

QC Batch ID: MP6217
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 03/17/18

Metal	BSP Result	SpikeLot HGPW3	% Rec	QC Limits
Mercury	1.8	2	90.0	80-120

Associated samples MP6217: JC62367-1, JC62367-2, JC62367-3, JC62367-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested