ROSS ENVIRONMENTAL ASSOCIATES, INC.

Hydrogeology, Water Quality, GIS Planning, Remediation,
Contaminant Fate & Transport, Environmental Site Assessments,
Regulatory Compliance & Permitting, and Radon Mitigation

23 November 2015

Mr. Steve Carbone
Capital Lincoln Mercury
100 Pearl Street
Essex Jct., VT 05452
carsable@aol.com

RE: Groundwater Sampling Results - October 2015
Capital Lincoln Mercury - Essex Jct., VT (SMS Site #2015-4570)

Dear Mr. Carbone:

In October 2015, Ross Environmental Associates, Inc. (***R.E.A.***) completed additional groundwater sampling at the Capital Lincoln Mercury property located at 100 Pearl Street in Essex Jct., Vermont (**Figures 1 & 2**, Attachment A). This work was completed to address the petroleum contamination discovered on the southern portion of the property as requested by Mr. James Donaldson of the Vermont Department of Environmental Conservation (VT DEC) in the email dated 2 October 2015.

The findings of this groundwater sampling event are summarized below:

- The chemicals of concern on the southern portion of the property are indicative of gasoline.
- The Vermont Groundwater Enforcement Standards (VGESs) for two or more volatile petroleum compounds were exceeded in the groundwater samples collected from MW-1, MW-11, and MW-13.
- Low concentrations of PCE were detected in the MW-1, MW-11 and MW-13 samples. Additionally, low concentration of several gasoline-related petroleum compounds were also detected in the samples collected from MW-1, MW-11, and MW-13.
- The concentrations of petroleum compounds in MW-1 have decreased by over an order of magnitude since the May 2015 sampling event. A similar decrease in contaminant concentrations was also noted in MW-11, which is located directly downgradient of MW-1, between the August and October 2015 sampling events.
- No volatile organic compounds (VOCs) were detected above laboratory method detection limits in the MW-12 and MW-14 samples, which are located downgradient of the building to the south.
- The groundwater flow direction for 26 October 2015 was toward the southwest, which is consistent with previous findings.
- The storm water catch basins located in the parking lot upgradient of MW-13 were inspected on 26 October and 10 November 2015. Photo-ionization detector (PID) readings on soil samples collected from the catch basins were all 0.0 ppmv. Also, no VOCs were detected above laboratory detection limits in either of the soil samples collected from the catch basins on 10 November 2015.

Conclusions

Review of available data collected at the site to date has identified two separate dissolved-phase plumes on the subject property; one plume associated with tetrachloroethene (AKA, perc, perchloroethene, or PCE) and one plume associated with petroleum compounds. The source of the PCE plume located predominantly on the northern and central portions of the Capital Mercury property, has been determined to be on an off-site property situated to the north-northeast. At the direction of the VT DEC, a separate investigation is currently being performed by the owner of the Essex Shopping Plaza to address the PCE plume and PCE impacts to the Capital Mercury property.

The dissolved-phase petroleum plume has impacted groundwater beneath the south-southwestern portion of the property. The source of the petroleum contamination in the vicinity of MW-1 appears to be associated with a gasoline spill from a vehicle parked near MW-1 and/or parking lot run off contaminated with gasoline. The source of petroleum contamination in the vicinity of MW-13 has not been identified, but appears to be related to subsurface contamination discovered at approximately 11 feet below ground surface near the southeastern corner of the maintenance garage. The catch basins located upgradient of MW-13 provide a pathway for parking lot runoff to enter the subsurface environment and may be a source of subsurface contamination in this area of the Site. Based on available information, no active source of petroleum contamination appears to be located on site and no sensitive receptors, other than groundwater, appear to be impacted at this time.

Available data from previous investigations were reviewed in an effort to determine a possible source and to see if there is any correlation or connection with the dissolved-phase petroleum plume. A summary of the findings from previous investigation efforts are included below:

- According to Mr. Steven Carbone, the only gasoline on-site is the gasoline located in vehicle gas tanks. Mr. Carbone added, that no gasoline has been stored in significant quantities, either above ground or underground, on the subject property since his involvement with the property in the mid 1980s.

- A spike in contaminant concentrations was noted in the groundwater sample collected from MW-1 in May 2015 with a significant decrease since that time. A similar decrease in contaminant concentrations was also noted in MW-11, which is located directly downgradient of MW-1, between the August and October 2015 sampling events. The sudden spike in gasoline compounds noted in MW-1 and MW-11 are indicative of a spill incident or one-time event with contaminant migration from MW-1 toward MW-11. According to Mr. Steven Carbone, a pickup truck parked in the vicinity of MW-1 in late spring 2015, was found to have a gasoline leak from a faulty fuel pump. Also, the pattern of compounds detected in MW-1 suggests a recent gasoline release. The ratio of benzene and toluene compared to ethylbenzene and total xylenes are not indicative of weathered gasoline. Based on this information and observed contaminant trends in MW-1, parking lot run off contaminated with gasoline is the likely source of the petroleum compounds discovered in MW-1.

- No petroleum compounds were detected in the groundwater samples previously collected from MW-2 and MW-6, which are the located upgradient of the dissolved-phase petroleum plume. This information suggests the source of petroleum contamination is located south of these two monitoring points.

- No petroleum related compounds were detected in the SB-6 boring installed by KAS inside the maintenance garage, which is upgradient of the dissolved-phase petroleum plume. This information suggests the source of petroleum contamination is located south of this soil boring.
- No visual or olfactory evidence of petroleum were noted in the catch basins located upgradient of MW-13. According to Steve Carbone, these catch basin have an open bottom dry well type construction surrounded by crushed stone. Based on the design of the catch basins, these points provide a direct pathway for parking runoff to enter the subsurface environment.
- The PID reading on the subsurface soil sample collected at approximately 11 feet below ground surface in the MW-13 soil boring was 69.2 ppmv. A strong petroleum odor was also noted in the soil sample collected at this depth. No elevated PID readings or visual evidence of petroleum were noted in the SB-2 soil boring installed by ***R.E.A.*** in August 2015, which is upgradient of MW-13 and the dissolved-phase petroleum plume. SB-2 is located approximately 25 feet upgradient of MW-13. Based on this information, the source of petroleum contamination in the vicinity of MW-13, appears to be located near the southeastern corner of the maintenance garage between MW-13 and SB-2.
- The PID reading on the subsurface soil sample collected from the MW-10 and SB-8 soil borings were all 0.0 ppmv. In addition, no petroleum odors were noted at either location and no petroleum compounds were detected in the groundwater sample collected from MW-10 in March 2015. Based on this information, no source of petroleum contamination appears to be located on the northeast corner of the subject property in the vicinity of MW-10 or SB-8.
- The former waste oil tank was removed in accordance with VT DEC guidelines in October 2008. At that time, the UST was found to be in fair condition with no holes, leaks or system failures noted. No visible or olfactory evidence of soil contamination was discovered beneath the tank and laboratory analysis of soil samples collected from beneath the tank did not detect any petroleum contamination above method detection limits. In addition, this former UST was located approximately 60 feet to the north-northwest (cross-gradient) of the dissolved-phase petroleum plume. Based on this information the former waste oil tank is not considered to be the source of the petroleum contamination discovered on site.
- The oil/water separator (OWS) was inspected by The Vertex Companies, Inc. personnel in May/June 2015 and determined to be in good condition. In addition, the piping system connected to the oil/water separator appeared to be in good condition based on a video inspection completed in July 2015 by P & P Septic. Based on this information, the OWS is not considered the source of petroleum discovered on site.
- No petroleum contamination was detected in the groundwater samples previously collected from MW-4, which is situated between Capital Mercury and the Fairgrounds Beverage (SMS Site # 90-0593) property. Based on this information, Fairgrounds Beverage is not considered to be the source of the petroleum contamination discovered on site.
- The Sanborn Map from 1962 shows a filling station ("FILL'G STA") on the northern portion of the subject property along Pearl Street. No gas tanks ("GT") or other features are

shown on the Sanborn Map. Several monitoring wells are located in this area of the site (MW-3, MW-4, MW-5, MW-9 and MW-9D) and no petroleum contamination has been detected on this portion of the property.

- The Sanborn Map from 1928 shows an auto facility with a gasoline tank ("GT") on the southeast corner of Fair Court (Roscoe Court) and Pearl Street, which is located approximately 600 feet to the northeast.

Recommendations

Based on available information, no further subsurface site characterization is recommend at this time; however, plans for redevelopment of the property should incorporate precautionary measures such as worker health and safety during construction, soil screening during excavation in the areas of documented contamination and possible installation of a vapor barrier. At this time, active remediation is not likely to be required by the VT DEC; however, due to the exceedance of the VGESs in groundwater beneath the site, ***R.E.A.*** recommends the following:

1. A routine groundwater monitoring program should be implemented at the site with the next sampling event being performed in the Spring of 2016. Groundwater samples should be collected from monitoring wells MW-1, MW-11, & MW-13 and analyzed for the possible presence of VOCs in accordance with EPA Method 8260.
2. The need for a long term monitoring program should be based on the findings of this next sampling event and the proposed future development of the property. The integrity of monitoring wells situated near the property boundaries should be maintained (MW-4, MW-8, MW-9, MW-9D, MW-10, MW-11 & MW-12); however, the need of other site monitoring wells should be evaluated in conjunction with the proposed future development of the property.

Copies of site maps showing approximate monitoring well locations (**Figure 3**), groundwater flow direction (**Figure 4**), and contaminant distribution (**Figure 5**) are included in Attachment A. Tables summarizing soil analytical results (**Table 1**), ground-water elevation data (**Table 2**), groundwater analytical results (**Table 3**), and field measurement data (**Table 4)** are included in Attachment B. The time-series graph for water quality data are included in Attachment C, and laboratory analytical reports are included in Attachment D.

Catch Basin Inspection and Soil Sampling

On 26 October and 10 November 2015, ***R.E.A.*** personnel inspected the catch basins located in the parking lot on the eastern side of the building. Both of these catch basins are located upgradient of the oil/water separator and MW-13. According to Steve Carbone, this catch basin has an open bottom dry well type construction surrounded by crushed stone. On 26 October 2015, both catch basins contained water, which prevented soil sampling. At that time, no sheens or petroleum odors were observed in either catch basin. The approximate catch basin locations are shown on **Figure 3**.

Two subsurface soil samples were collected for laboratory analysis during the site visit on 10 November 2015; one from catch basin #1 (CB-1) located approximately 40 feet upgradient of MW-13 and one from catch basin #2 (CB-2) located approximately 110 feet upgradient of MW-13. Both soil samples were collected by hand auguring two to three feet into the bottom of each catch basin. The soil samples were analyzed for the possible presence of VOCs in accordance with U.S. EPA

Method 8260. Both samples were transported under chain-of-custody in an ice-filled cooler to Endyne, Inc. of Williston, Vermont for laboratory analysis.

No VOCs were detected above the laboratory method detection limits in either of the soil samples collected from the CB-1 or CB-2. The laboratory analytical results for catch basin soil samples are summarized on **Table 1** and the laboratory reports are included in **Attachment D**.

Ground Water Elevation and Flow Direction

On 26 October 2015, groundwater flow in the unconfined surficial aquifer at the site was primarily toward the southwest with an average hydraulic gradient of approximately one percent. The groundwater elevation measurements were generally lower during this sampling event compared to the measurements obtained in August 2015. Water level measurements and elevation calculations for 26 October 2015 are presented in **Table 2** and the groundwater contour map prepared using this data is presented as **Figure 4**.

Static water-table elevations were computed for each monitoring well by subtracting measured depth-to-water readings from the surveyed top-of-casing (TOC) elevations, which are relative to an arbitrary site datum of 100.00 feet. Depth to groundwater during this sampling event (26 October 2015) ranged from 7.58 to 8.78 feet bgs.

Ground Water Sampling and Analysis

Groundwater beneath the south-southwestern portion of the Site has been impacted by petroleum contamination above the Vermont Groundwater Enforcement Standards (VGESs[1]) for several petroleum-related compounds. The highest petroleum concentrations were detected in the sample collected from MW-13, which was installed approximately 10 feet off the southeastern corner of the maintenance building and approximately 40 feet upgradient of the oil/water separator. Also, a spike in contaminant concentrations was noted in the groundwater sample collected from MW-1 in May 2015 with a significant decrease since that time. The sudden spike in gasoline compounds noted in MW-1 are indicative of a spill incident or one-time event. According to Mr. Steven Carbone, a pickup truck parked in the vicinity of MW-1 in late spring 2015, was found to have a gasoline leak from a faulty fuel pump. The ratio of benzene and toluene concentrations compared to ethylbenzene and total xylenes concentrations suggest the petroleum contamination is associated with a recent gasoline release and is not indicative of weathered gasoline.

The VGESs for benzene, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and naphthalene were exceeded in the groundwater sample collected from MW-13, which had the highest total VOCs concentrations during this sampling event. The VGESs for benzene and naphthalene were also exceeded in the samples collected from MW-1 and MW-11. Low concentrations of several petroleum-related compounds were also detected in the samples collected from MW-1, MW-11 and MW-13. PCE was also detected in three of the groundwater samples (MW-1, MW-11 and MW-13) at concentrations ranging between 3.9 and 4.9 micrograms per liter (µg/L), which are below the corresponding VGES. No VOCs were detected in the samples collected from MW-12 and MW-14 sample, which are located downgradient of the building to the south.

[1]The Vermont DEC has established groundwater enforcement standards for the VOC contaminants of concern, as follows: benzene - 5 µg/L, PCE 5 µg/L; toluene - 1,000 µg/L; ethylbenzene 700 µg/L; total xylenes - 10,000 µg/L, 1.2,4-trimethylebenzene & 1,3,5-0trimethylebenzene 350 µg/L(combined) and naphthalene – 20 µg/L.

The analytical results for the blind field duplicate sample (MW-1) were within the acceptable EPA criteria. The analytical results are summarized on **Table 3**, and contaminant distribution, based on samples collected on 26 October 2015, is shown on **Figure 5**. The time-series graph for the groundwater results are included in **Attachment C** and a copy of the laboratory analytical results are included in **Attachment D**.

Prior to sample collection, ***R.E.A*** field personnel measured the water level in each monitoring well and purged approximately three to five standing volumes of water from each well. All of the groundwater samples were collected using dedicated polyethylene tubing. Groundwater was pumped directly into unpreserved one-liter amber jars and 40-milliliter glass vials with Teflon-lined septum lids. Each 40-milliliter VOC sample vial was preserved with hydrochloric acid to reduce the pH to less than 2 standard units. Immediately after sample collection, field measurements were obtained for pH, specific conductivity, temperature, dissolved oxygen (DO) and oxygen reduction potential (ORP). A summary of the field measurement data is included on **Table 4**.

On 26 October 2015, groundwater samples were collected from five on-site monitoring wells (MW-1, MW-11, MW-12, MW-13, and MW-14). Groundwater samples were analyzed for the possible presence of VOCs in accordance with U.S. EPA Method 8260. All samples were transported under chain-of-custody in an ice-filled cooler to Endyne, Inc. of Williston, Vermont for laboratory analysis.

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Please call me if you have any questions or concerns regarding the enclosed results or recommendations.

Sincerely,

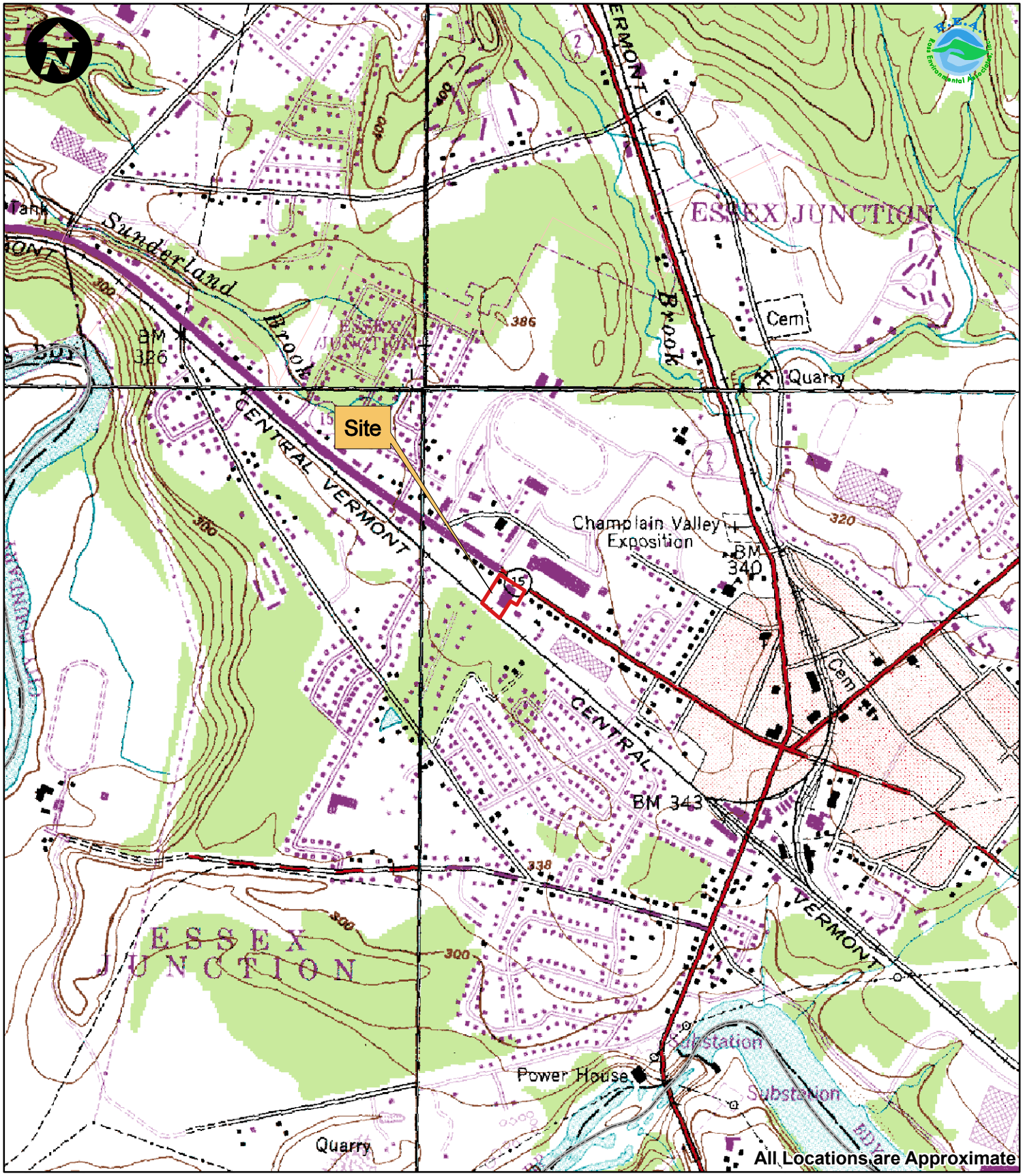
Ross Environmental Associates, Inc.

Robert J. Ross, CGWP
Principal Hydrogeologist

Attachments

CC. Mr. Greg Steen - The Vertex Companies, Inc. gsteen@vertexeng.com
Ms. Karen O'Brien JD - Zurich North America karen.obrien@zurichna.com

ATTACHMENT A



0 500 1,000 2,000 3,000 4,000 Feet

Site Coordinates: 44º 29' 40.409" N 73º 7' 17.69" W

USGS: Essex Junction, Vermont Quadrangle, 1:24,000, 1987

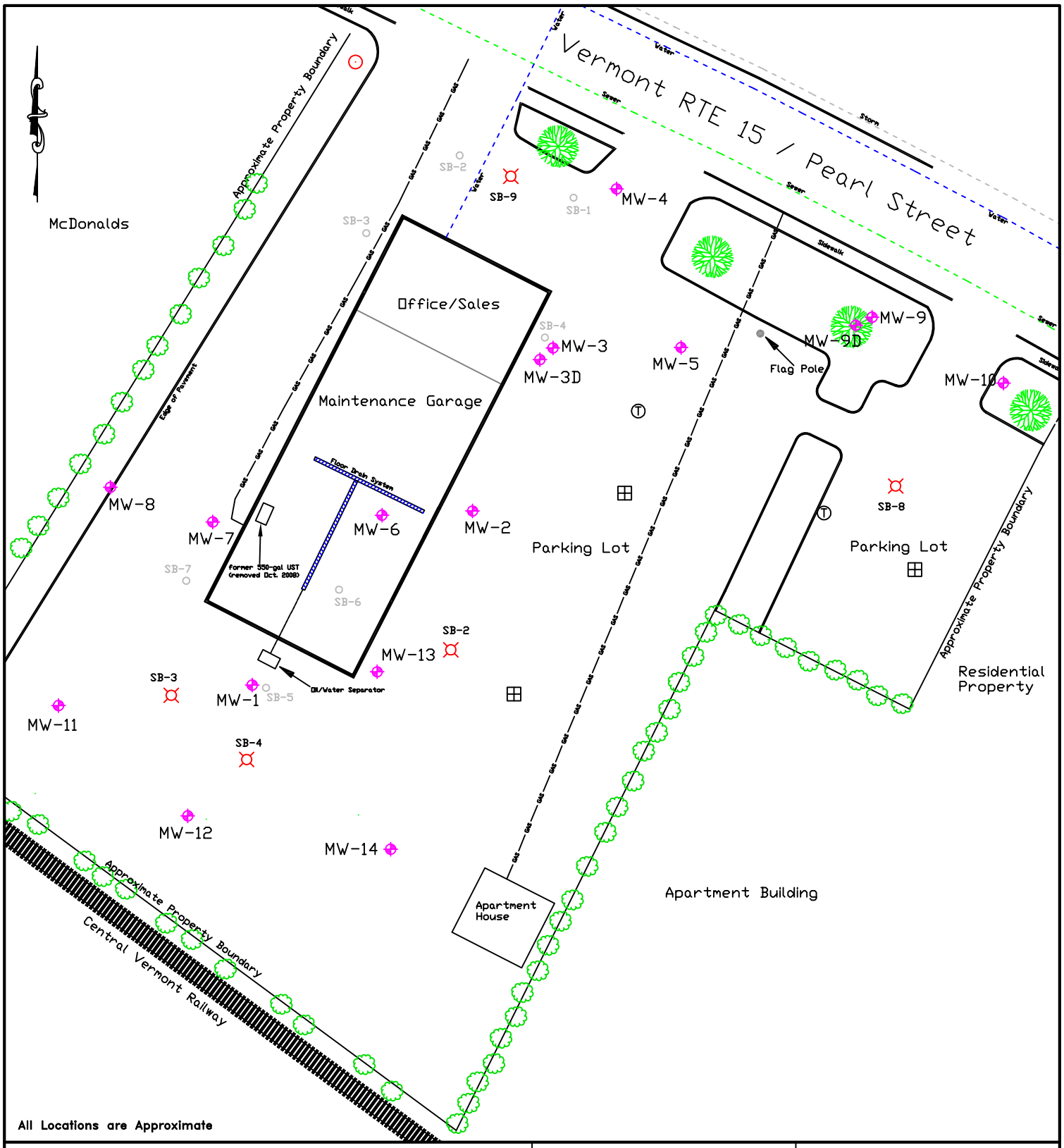
Figure 1
USGS Map
Capital Lincoln Mercury
Essex, Vermont

0 250 500 1,000 1,500 2,000 2,500 Feet

Site Coordinates: 44º 29' 40.409" N 73º 7' 17.69" W

Imagery: 2009 NAIP

Figure 2
Orthophoto
Capital Lincoln Mercury
Essex, Vermont



Legend:

- Monitoring Well
- Hedgerow
- Tree
- Utility Pole
- R.E.A Soil Boring
- KAS Soil Boring
- Catch Basin

Scale: 1" = 50'	**Date:** 11 September 2015
File Name: 35-087_FIG.dwg	**Drawn By:** JRW/CCK

Ross Environmental Associates, Inc.
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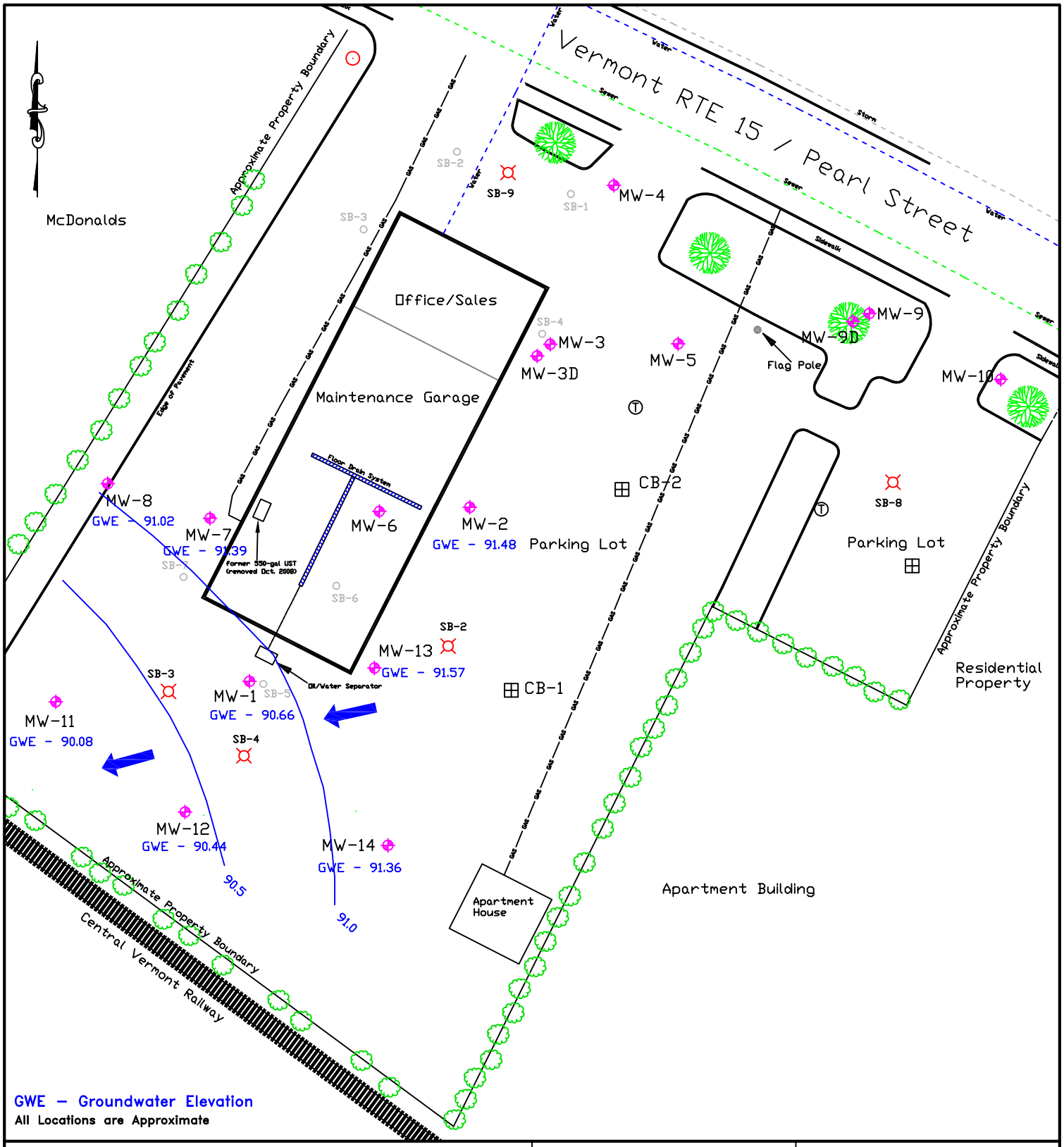
(802) 253-4280

FIGURE 3.

SITE PLAN
(with monitoring well locations)
Capital Mercury - Essex, VT



Legend:
- Monitoring Well
- Hedgerow
- Tree
- Utility Pole
- Soil Boring
- Water Line (approximate)
- Natural Gas Line (approximate)

Scale: 1" = 50'

Date: 14 November 2014

File Name: 34-133fig.dwg

Drawn By: JRW

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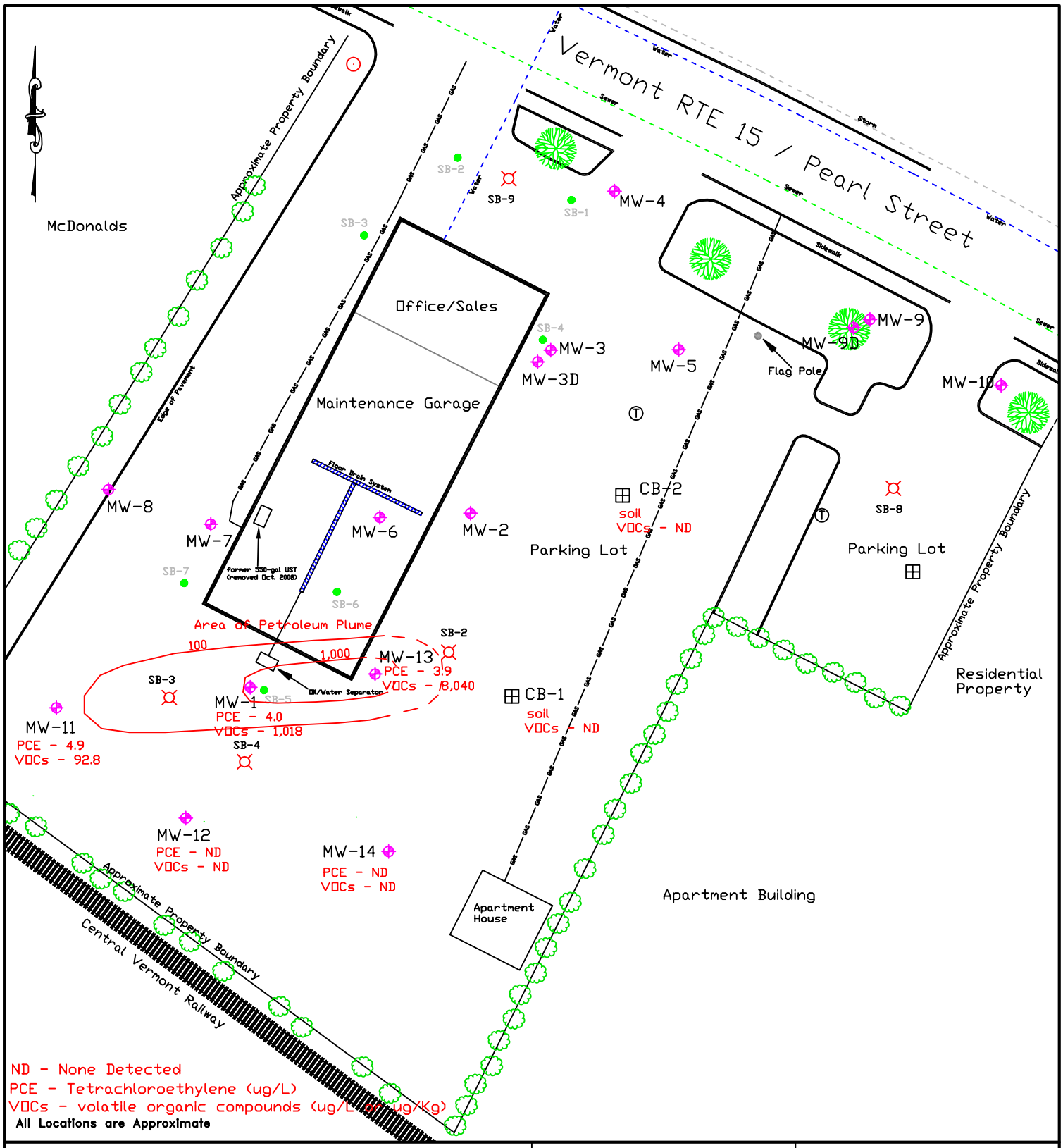
FIGURE 4.

GROUNDWATER CONTOUR MAP

(Monitoring Date: 26 October 2015)

Capital Mercury - Essex, VT



ND - None Detected
PCE - Tetrachloroethylene (ug/L)
VOCs - volatile organic compounds (ug/L or ug/Kg)
All Locations are Approximate

Legend:
- Monitoring Well
- Soil Boring
- Hedgerow
- Water Line (approximate)
- Tree
- Natural Gas Line (approximate)
- Utility Pole

Scale: 1" = 50'	**Date:** 14 November 2014
File Name: 34-133fig.dwg	**Drawn By:** JRW

Ross Environmental Associates, Inc.
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FIGURE 5.
CONTAMINANT DISTRIBUTION
(Monitoring Date: 26 October 2015)

Capital Mercury - Essex, VT

ATTACHMENT B

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
Capital Mercury
Essex Jct., Vermont
Monitoring Date: 10 November 2015

Analyte	VT DEC - Soil Screening Values (SSVs)		VDH - Cleanup Criteria	CB-1	CB-2
	Residential Soil	Industrial Soil	---	Sample depth	
				2 ft**	3 ft**
Volatile Organic Compounds - 8260 (ug/Kg, dry)					
Tetrachloroethene (PCE)	**24,000**	**100,000**	**1,570.00**	ND<24	ND<17
Trichloroethene (TCE)	**940**	**6,000**	**471**	ND<24	ND<17
Benzene	**1,200**	**5,100**	**0.471**	ND<28	ND<17
MtBE	**47,000**	**210,000**	**647,000**	ND<48	ND<34
Toluene	**4,900,000**	**47,000,000**	**--**	ND<24	ND<17
ethylbenzene	**5,800**	**25,000**		ND<24	ND<17
1,3,5-trimethylbenzene	**780,000**	**12,000,000**	**35,100**	ND<24	ND<17
1,2,4-trimethylbenzene	**58,000**	**240,000**	**41,600**	ND<24	ND<17
total xylenes	**650,000**	**2,800,000**	**--**	ND<48	ND<34
naphthalene	**3,800**	**17,000**	**1,530**	ND<48	ND<34
Field Screening					
PID (ppmv)	**VT DEC action level***			**0.0**	**0.0**

Notes:

VT DEC Soil Screening Values (SSVs) - IROCP, April 2012. June 2015. Values reported as indicated in ug/Kg.
VDH - Vermont Department of Health.
ND: Not detected above indicated detection limit. "---" sample not analyzed for parameter.
*VT DEC Action Level for PID field screening - 10 ppmv for gasoline and 20 ppmv for diesel/fuel oil
PID: Photo-ionization detector (IonScience PhoCheck Tiger). ppm: parts-per-million
** Beneath base of catch basin

TABLE 2
GROUND WATER ELEVATION CALCULATIONS

Capital Mercury
Essex Junction, Vermont

Monitoring Date: 26 October 2015

Well I.D.	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (feet)	Corrected Depth to Water (feet)	Water Table Elevation (ft)
MW-1	98.87	--	8.21	--	--	90.66
MW-2	99.08	--	7.60	--	--	91.48
MW-7	100.17	--	8.78	--	--	91.39
MW-8	98.60	--	7.58	--	--	91.02
MW-11	98.39	--	8.31	--	--	90.08
MW-12	98.81	--	8.37	--	--	90.44
MW-13	99.67	--	8.10	--	--	91.57
MW-14	99.20	--	7.84	--	--	91.36

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

TABLE 3
GROUND-WATER ANALYTICAL RESULTS

Capital Mercury
Essex Jct., Vermont

Monitoring Date: 26 October 2015

Parameter	MtBE	Benzene	toluene	ethyl benzene	total Xylenes	1,2,4-tri methyl benzene	1,3,5-tri methyl benzene	naph thalene	n-propyl benzene	isopropyl benzene	n-butyl benzene	s-butyl benzene	4-isopropyl toluene	PCE	Total VOCs
MW-1	ND<10.0	**25.1**	**102**	**231**	**377**	**41.8**	**26.0**	**109**	**59.0**	**37.8**	ND<5.0	**5.1**	ND<5.0	**4.0**	**1,018**
MW-11	ND<2.0	**11.6**	ND<1.0	**7.1**	**1.3**	**1.6**	ND<1.0	**38.9**	**9.4**	**16.0**	ND<1.0	**2.0**	ND<1.0	**4.9**	**92.8**
MW-12	ND<5.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	**ND**
MW-13	ND<2.0	**37.3**	**3,560**	**651**	**2,750**	**603**	**148**	**164**	**74.2**	**43.5**	ND<5.0	**5.2**	ND<5.0	**3.9**	**8,040**
MW-14	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	**ND**
VGES	***40***	***5.0***	***1,000***	***700***	***10,000***	***350 (combined)***		***20***	***---***	***---***	***---***	***---***		***5.0***	***--***
QA/QC Samples															
MW-1	ND<10.0	**25.1**	**102**	**231**	**377**	**41.8**	**26.0**	**109**	**59.0**	**37.8**	ND<5.0	**5.1**	ND<5.0	**4.0**	**1,018**
Dup (MW-1)	ND<2.0	**19.8**	**91.9**	**240**	**313**	**37.6**	**22.3**	**113**	**52.8**	**33.9**	**3.1**	**4.4**	**1.2**	**4.0**	**937**
% Difference	**---**	**21.1**	**9.9**	**-3.9**	**17.0**	**10.0**	**14.2**	**-3.7**	**10.5**	**10.3**	**---**	**13.7**	**---**	**0.0**	**7.9**

Notes:
All results reported as micrograms per liter (µg/L), unless indicated otherwise.
ND: None detected at indicated detection limit.
PCE = Tetrachloroethene or Perchloroethylene
Shaded values indicate exceedance of Vermont Groundwater Enforcement Standards (VGESs).

TABLE 4
FIELD MEASUREMENT DATA

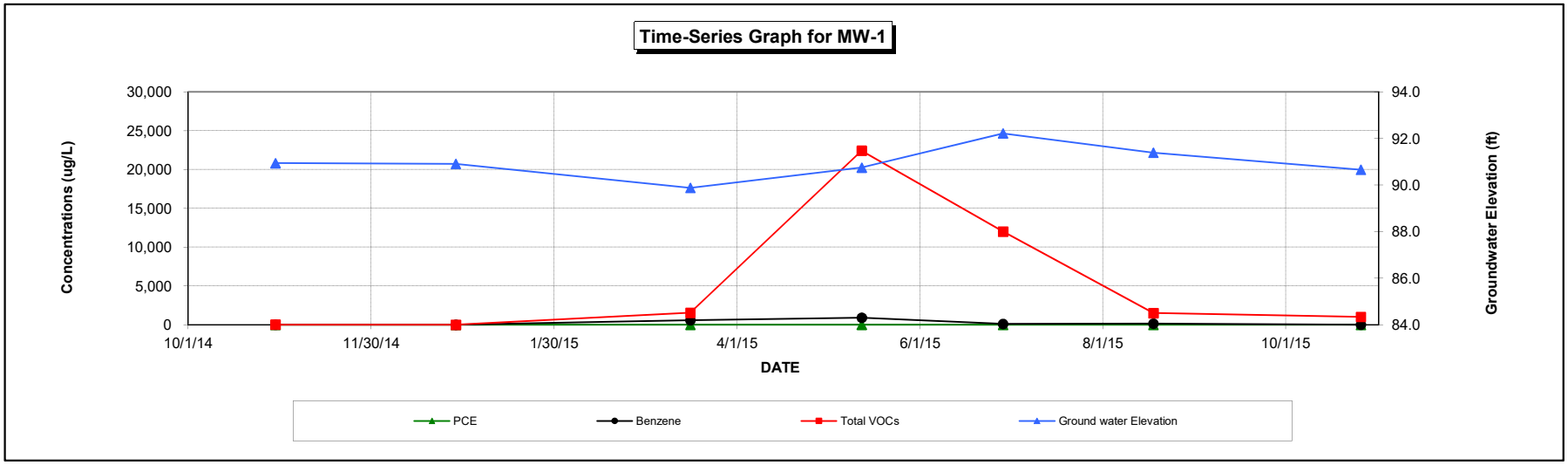
Capital Mercury
Essex Junction, Vermont

Monitoring Date: 26 October 2015

Well ID	pH (su)	temperature (^{o}C)	Specific conductivity (µS/cm)	ORP (mV)	DO (mg/L)	TDS (ppm)	Comments
MW-1	8.53	17.86	1,999	273.2	2.63	1.503	No Odor or Sheen
MW-11	8.15	17.18	1,330	67.2	0.67	1.016	No Odor or Sheen
MW-12	7.98	17.19	1,355	307.7	2.52	1.033	No Odor or Sheen
MW-13	8.64	17.99	2,355	-39.7	0.55	1.771	slight Odor No Sheen
MW-14	8.40	15.53	1,547	303.8	3.86	1.228	No Odor or Sheen

pH reported in standard units (s.u.).
Specific conductivity reported in microsiemens per centimeter (µS/cm) or millisiemens per centimeter (mS/cm).
Oxidation-reduction potential (ORP) reported in millivolts (mV).
Total dissolved solids (TDS) reported in parts per million (ppm) or parts per (ppt) thousand.
Dissolved oxygen (DO) reported in milligrams per liter (mg/L).

ATTACHMENT C

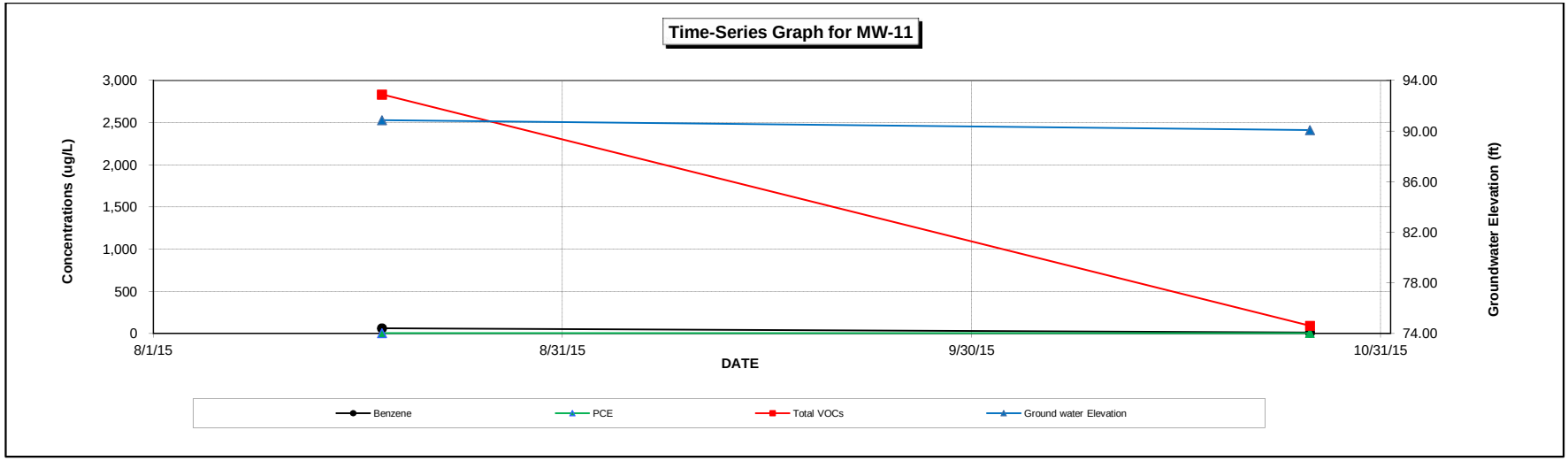


Summary of Ground Water Analytical Results for MW-1

Capital Mercury
Essex Jct., Vermont

Date	MtBE	Benzene	PCE	toluene	ethyl benzene	total Xylenes	1,2,4-tri methyl benzene	1,3,5-tri methyl benzene	naph-thalene	isopropyl benzene	n-propyl benzene	sec-butyl benzene	Total VOCs	Ground water Elevation
10/30/2014	ND<2.0	**18.1**	**4.1**	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	**22.2**	**90.94**
12/29/2014	ND<2.0	ND<1.0	**4.2**	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	**4.2**	**90.91**
3/17/2015	ND<2.0	**590**	**9.5**	**830**	**12.0**	**107**	**4.4**	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	**1,553**	**89.88**
5/13/2015	**105**	**918**	**7.6**	**10,500**	**970**	**8,020**	**1,150**	**284**	**227**	**78.5**	**166**	ND<50	**22,426**	**90.75**
6/29/2015	ND<200	**114**	ND<100	**4,200**	**804**	**5,610**	**855**	**198**	**229**	ND<100	ND<200	ND<200	**12,010**	**92.22**
8/18/2015	ND<10.0	**153**	**4.3**	**81.2**	**167**	**425**	**336**	**87.9**	**166**	**36.3**	**52.2**	ND<5.0	**1,509**	**91.39**
10/26/2015	ND<10.0	**25.1**	**4.0**	**102**	**231**	**377**	**42**	**26.0**	**109**	**37.8**	**59.0**	**5.1**	**1,018**	**90.66**
VGES	***40***	***5.0***	***5.0***	***1,000***	***700***	***10,000***	***350***		***20***	***---***	***---***		***---***	***---***

Notes: Results given in micrograms per liter (µg/L), unless indicated otherwise.
ND- None detected at indicated detection limit.
VGES - Vermont Groundwater Enforcement Standards
* 5/13/15 - greater than 10 UIPs and verbal report of PCE present at approx 7.6 ug/L.
6/29/15 - 5 UIPs detected in sample, but PCE was not confirmed.

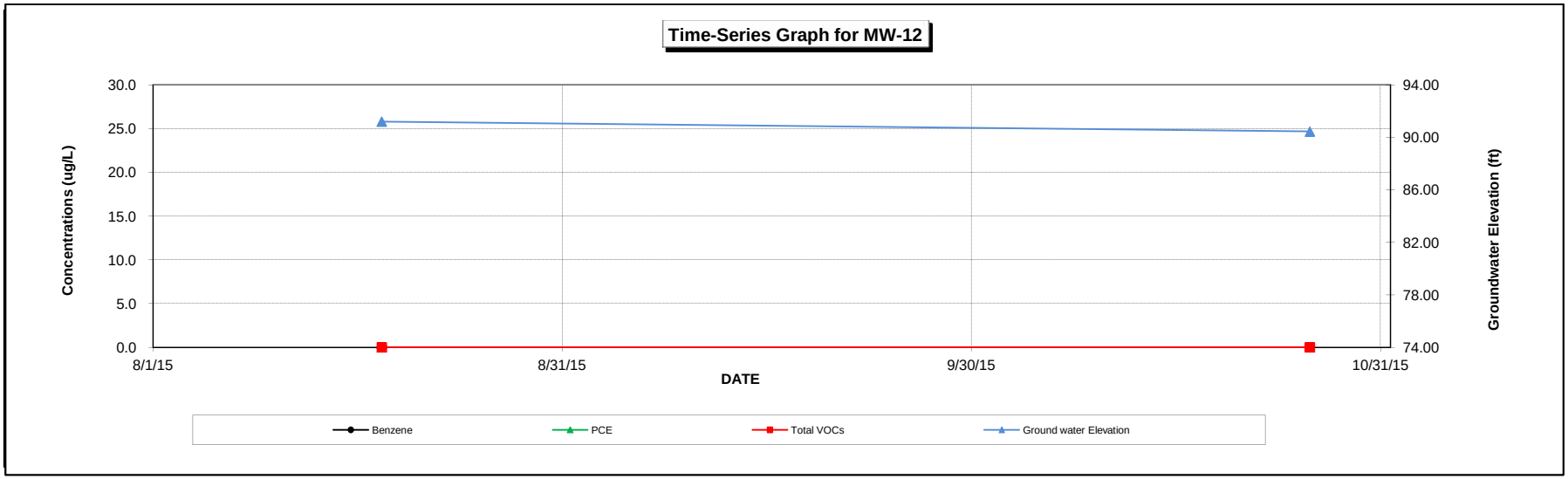


Summary of Ground Water Analytical Results for MW-11

Capital Mercury
Essex Jct., Vermont

Date	MtBE	Benzene	toluene	ethyl benzene	total Xylenes	1,2,4-tri methyl benzene	1,3,5-tri methyl benzene	naph thalene	n-propyl benzene	isopropyl benzene	n-butyl benzene	s-butyl benzene	4-isopropyl toluene	PCE	Total VOCs	Ground water Elevation
8/18/2015	**20.1**	**63**	**127**	**504**	**1,270**	**440**	**132**	**145**	**79.4**	**41.7**	ND<2.0	**3.3**	**3.3**	**4.8**	**2,834**	**90.86**
10/26/2015	ND<2.0	**11.6**	ND<1.0	**7.1**	**1.3**	**1.6**	ND<1.0	**38.9**	**9.4**	**16.0**	ND<1.0	**2.0**	ND<1.0	**4.9**	**92.8**	**90.08**
VGES	***40***	***5.0***	***1,000***	***700***	***10,000***	***350 (combined)***		***20***	***---***	***---***	***---***	***---***		***5.0***	***--***	***--***

Notes: Results given in micrograms per liter (µg/L), unless indicated otherwise.
ND- None detected at indicated detection limit.
VGES - Vermont Groundwater Enforcement Standards

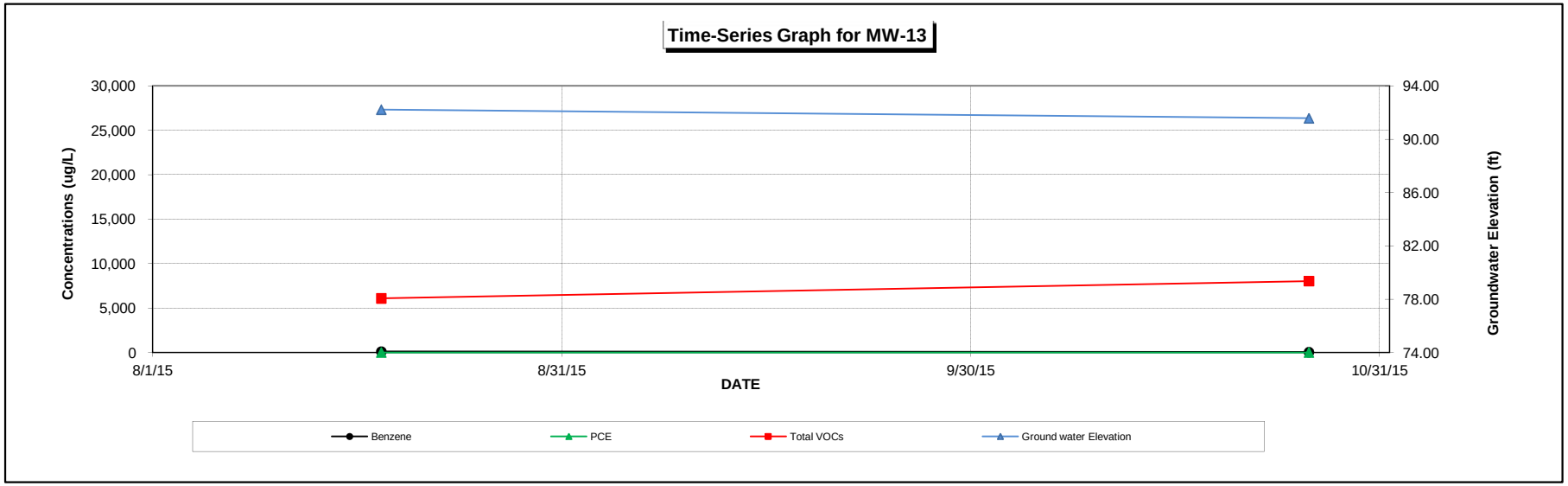


Summary of Ground Water Analytical Results for MW-12

Capital Mercury
Essex Jct., Vermont

Date	MtBE	Benzene	toluene	ethyl benzene	total Xylenes	1,2,4-tri methyl benzene	1,3,5-tri methyl benzene	naph thalene	n-propyl benzene	isopropyl benzene	n-butyl benzene	s-butyl benzene	4-isopropyl toluene	PCE	Total VOCs	Ground water Elevation
8/18/2015	ND<5.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	**ND**	**91.20**
10/26/2015	ND<5.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	**ND**	**90.44**
VGES	***40***	***5.0***	***1,000***	***700***	***10,000***	***350 (combined)***		***20***	***---***	***---***	***---***	***---***		***5.0***	***--***	***--***

Notes: Results given in micrograms per liter (µg/L), unless indicated otherwise.
ND- None detected at indicated detection limit.
VGES - Vermont Groundwater Enforcement Standards

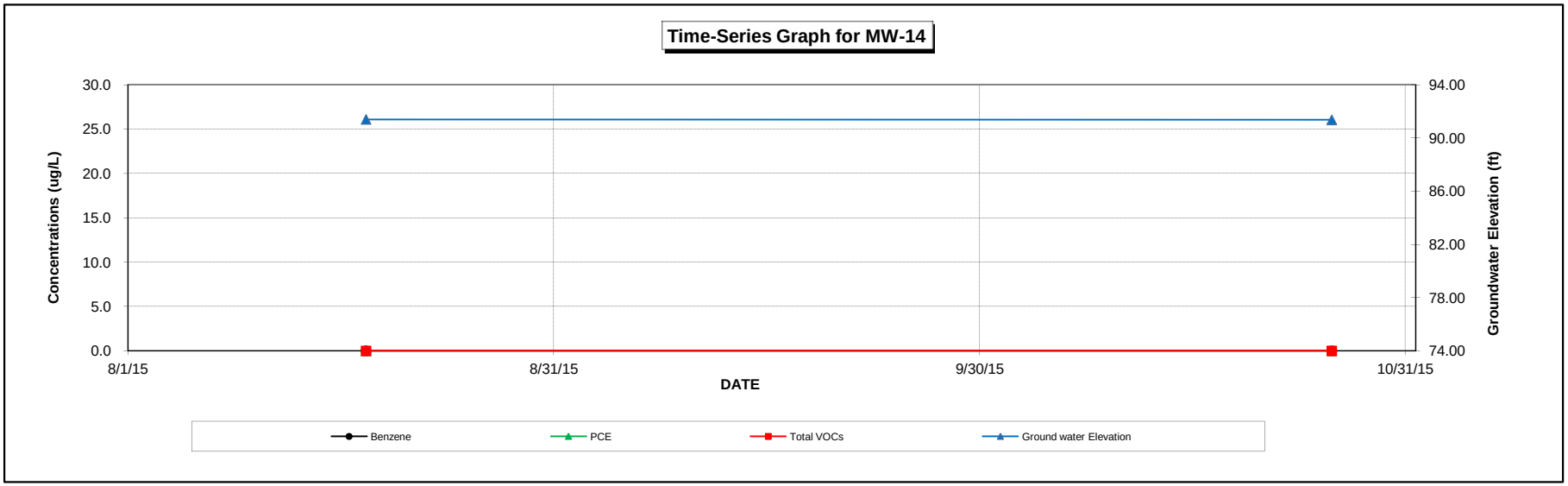


Summary of Ground Water Analytical Results for MW-13

Capital Mercury
Essex Jct., Vermont

Date	MtBE	Benzene	toluene	ethyl benzene	total Xylenes	1,2,4-tri methyl benzene	1,3,5-tri methyl benzene	naph thalene	n-propyl benzene	isopropyl benzene	n-butyl benzene	s-butyl benzene	4-isopropyl toluene	PCE	Total VOCs	Ground water Elevation
8/18/2015	ND<2.0	105	2,120	660	2,370	397	115	198	71.8	40.2	4.5	6.1	5.7	3.9	6,097	92.22
10/26/2015	ND<2.0	37.3	3,560	651	2,750	603	148	164	74.2	43.5	ND<5.0	5.2	ND<5.0	3.9	8,040	91.57
VGES	***40***	***5.0***	***1,000***	***700***	***10,000***	***350 (combined)***		***20***	***---***	***---***	***---***	***---***		***5.0***	***--***	***--***

Notes: Results given in micrograms per liter (µg/L), unless indicated otherwise.
ND- None detected at indicated detection limit.
VGES - Vermont Groundwater Enforcement Standards



Summary of Ground Water Analytical Results for MW-14

Capital Mercury
Essex Jct., Vermont

Date	MtBE	Benzene	toluene	ethyl benzene	total Xylenes	1,2,4-tri methyl benzene	1,3,5-tri methyl benzene	naph thalene	n-propyl benzene	isopropyl benzene	n-butyl benzene	s-butyl benzene	4-isopropyl toluene	PCE	Total VOCs	Ground water Elevation
8/18/2015	ND<5.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	**ND**	**91.39**
10/26/2015	ND<5.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	**ND**	**91.36**
VGES	***40***	***5.0***	***1,000***	***700***	***10,000***	***350 (combined)***		***20***	***---***	***---***	***---***	***---***		***5.0***	***--***	***--***

Notes: Results given in micrograms per liter (µg/L), unless indicated otherwise.
ND- None detected at indicated detection limit.
VGES - Vermont Groundwater Enforcement Standards

ATTACHMENT D

ENDYNE Inc.
Environmental Laboratories

Laboratory Report

Ross Environmental Associates	090219
PO Box 1533	
Stowe, VT 05672	
Atten: Bob Ross	

PROJECT: 35-087
WORK ORDER: **1510-23151**
DATE RECEIVED: October 26, 2015
DATE REPORTED: November 09, 2015
SAMPLER: Emma Blanchard

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. All required method quality control elements including instrument calibration were performed in accordance with method requirements and determined to be acceptable unless otherwise noted.

The column labeled Lab/Tech in the accompanying report denotes the laboratory facility where the testing was performed and the technician who conducted the assay. A "W" designates the Williston, VT lab under NELAC certification ELAP 11263; "R" designates the Lebanon, NH facility under certification NH 2037 and "N" the Plattsburgh, NY lab under certification ELAP 11892. "Sub" indicates the testing was performed by a subcontracted laboratory. The accreditation status of the subcontracted lab is referenced in the corresponding NELAC and Qual fields.

The NELAC column also denotes the accreditation status of each laboratory for each reported parameter. "A" indicates the referenced laboratory is NELAC accredited for the parameter reported. "N" indicates the laboratory is not accredited. "U" indicates that NELAC does not offer accreditation for that parameter in that specific matrix. Test results denoted with an "A" meet all National Environmental Laboratory Accreditation Program requirements except where denoted by pertinent data qualifiers. Test results are representative of the samples as they were received at the laboratory

Endyne, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose.

Reviewed by:

Harry B. Locker, Ph.D.
Laboratory Director

CLIENT: Ross Environmental Associates
PROJECT: 35-087
REPORT DATE: 11/9/2015

WORK ORDER: **1510-23151**
DATE RECEIVED: 10/26/2015

TEST METHOD: EPA 8260C

001 Site: MW-11 Date Sampled: 10/26/15 09:45 Analysis Date: 11/4/15 W SJM

Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual
Dichlorodifluoromethane	< 5.0	ug/L	A		Chloromethane	< 3.0	ug/L	N	
Vinyl chloride	< 2.0	ug/L	A		Bromomethane	< 5.0	ug/L	A	
Chloroethane	< 5.0	ug/L	A		Trichlorofluoromethane	< 2.0	ug/L	A	
Diethyl ether	< 5.0	ug/L	N		1,1-Dichloroethene	< 1.0	ug/L	A	
Acetone	< 10.0	ug/L	A		Carbon disulfide	< 5.0	ug/L	A	
Methylene chloride	< 5.0	ug/L	A		t-Butanol	< 20.0	ug/L	N	
Methyl-t-butyl ether (MTBE)	< 2.0	ug/L	A		trans-1,2-Dichloroethene	< 1.0	ug/L	A	
Di-isopropyl ether (DIPE)	< 2.0	ug/L	N		1,1-Dichloroethane	< 1.0	ug/L	A	
Ethyl-t-butyl ether (ETBE)	< 2.0	ug/L	N		2-Butanone	< 10.0	ug/L	A	
2,2-Dichloropropane	< 2.0	ug/L	N		cis-1,2-Dichloroethene	< 1.0	ug/L	N	
Bromochloromethane	< 2.0	ug/L	N		Chloroform	< 1.0	ug/L	A	
Tetrahydrofuran	< 10.0	ug/L	N		1,1,1-Trichloroethane	< 1.0	ug/L	A	
Carbon tetrachloride	< 1.0	ug/L	A		1,1-Dichloropropene	< 1.0	ug/L	N	
Benzene	11.6	ug/L	A		t-Amylmethyl ether (TAME)	< 2.0	ug/L	N	
1,2-Dichloroethane	< 1.0	ug/L	A		Trichloroethene	< 1.0	ug/L	A	
1,2-Dichloropropane	< 2.0	ug/L	A		Dibromomethane	< 2.0	ug/L	N	
Bromodichloromethane	< 0.5	ug/L	A		cis-1,3-Dichloropropene	< 1.0	ug/L	A	
4-Methyl-2-pentanone (MIBK)	< 10.0	ug/L	N		Toluene	< 1.0	ug/L	A	
trans-1,3-Dichloropropene	< 1.0	ug/L	A		1,1,2-Trichloroethane	< 1.0	ug/L	A	
Tetrachloroethene	4.9	ug/L	A		1,3-Dichloropropane	< 1.0	ug/L	N	
2-Hexanone	< 10.0	ug/L	N		Dibromochloromethane	< 2.0	ug/L	A	
1,2-Dibromoethane	< 1.0	ug/L	A		Chlorobenzene	< 1.0	ug/L	A	
Ethylbenzene	7.1	ug/L	A		1,1,1,2-Tetrachloroethane	< 2.0	ug/L	A	
Xylenes, Total	1.3	ug/L	A		Styrene	< 1.0	ug/L	N	
Bromoform	< 2.0	ug/L	A		Isopropylbenzene	16.0	ug/L	A	
1,1,2,2-Tetrachloroethane	< 2.0	ug/L	A		Bromobenzene	< 1.0	ug/L	N	
n-Propylbenzene	9.4	ug/L	A		1,2,3-Trichloropropane	< 2.0	ug/L	N	
2-Chlorotoluene	< 1.0	ug/L	N		1,3,5-Trimethylbenzene	< 1.0	ug/L	A	
4-Chlorotoluene	< 1.0	ug/L	N		t-Butylbenzene	< 1.0	ug/L	A	
1,2,4-Trimethylbenzene	1.6	ug/L	A		s-Butylbenzene	2.0	ug/L	A	
4-Isopropyltoluene	< 1.0	ug/L	A		1,3-Dichlorobenzene	< 1.0	ug/L	A	
1,4-Dichlorobenzene	< 1.0	ug/L	A		n-Butylbenzene	< 1.0	ug/L	A	
1,2-Dichlorobenzene	< 1.0	ug/L	A		1,2-Dibromo-3-Chloropropane	< 2.0	ug/L	A	
1,2,4-Trichlorobenzene	< 2.0	ug/L	A		1,3,5-Trichlorobenzene	< 2.0	ug/L	N	
Hexachlorobutadiene	< 0.5	ug/L	N		Naphthalene	38.9	ug/L	A	
1,2,3-Trichlorobenzene	< 2.0	ug/L	N		Surr. 1 (Dibromofluoromethane)	107	%	A	
Surr. 2 (Toluene d8)	102	%	A		Surr. 3 (4-Bromofluorobenzene)	97	%	A	
Unidentified Peaks	>10		U						

Laboratory Report

CLIENT: Ross Environmental Associates
PROJECT: 35-087
REPORT DATE: 11/9/2015

WORK ORDER: **1510-23151**
DATE RECEIVED: 10/26/2015

TEST METHOD: EPA 8260C

002 Site: MW-12 Date Sampled: 10/26/15 10:05 Analysis Date: 11/5/15 W SJM

Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual
Dichlorodifluoromethane	< 5.0	ug/L	A		Chloromethane	< 3.0	ug/L	N	
Vinyl chloride	< 2.0	ug/L	A		Bromomethane	< 5.0	ug/L	A	
Chloroethane	< 5.0	ug/L	A		Trichlorofluoromethane	< 2.0	ug/L	A	
Diethyl ether	< 5.0	ug/L	N		1,1-Dichloroethene	< 1.0	ug/L	A	
Acetone	< 10.0	ug/L	A		Carbon disulfide	< 5.0	ug/L	A	
Methylene chloride	< 5.0	ug/L	A		t-Butanol	< 20.0	ug/L	N	
Methyl-t-butyl ether (MTBE)	< 2.0	ug/L	A		trans-1,2-Dichloroethene	< 1.0	ug/L	A	
Di-isopropyl ether (DIPE)	< 2.0	ug/L	N		1,1-Dichloroethane	< 1.0	ug/L	A	
Ethyl-t-butyl ether (ETBE)	< 2.0	ug/L	N		2-Butanone	< 10.0	ug/L	A	
2,2-Dichloropropane	< 2.0	ug/L	N		cis-1,2-Dichloroethene	< 1.0	ug/L	N	
Bromochloromethane	< 2.0	ug/L	N		Chloroform	< 1.0	ug/L	A	
Tetrahydrofuran	< 10.0	ug/L	N		1,1,1-Trichloroethane	< 1.0	ug/L	A	
Carbon tetrachloride	< 1.0	ug/L	A		1,1-Dichloropropene	< 1.0	ug/L	N	
Benzene	< 1.0	ug/L	A		t-Amylmethyl ether (TAME)	< 2.0	ug/L	N	
1,2-Dichloroethane	< 1.0	ug/L	A		Trichloroethene	< 1.0	ug/L	A	
1,2-Dichloropropane	< 2.0	ug/L	A		Dibromomethane	< 2.0	ug/L	N	
Bromodichloromethane	< 0.5	ug/L	A		cis-1,3-Dichloropropene	< 2.0	ug/L	A	
4-Methyl-2-pentanone (MIBK)	< 10.0	ug/L	N		Toluene	< 1.0	ug/L	A	
trans-1,3-Dichloropropene	< 2.0	ug/L	A		1,1,2-Trichloroethane	< 1.0	ug/L	A	
Tetrachloroethene	< 1.0	ug/L	A		1,3-Dichloropropane	< 1.0	ug/L	N	
2-Hexanone	< 10.0	ug/L	N		Dibromochloromethane	< 2.0	ug/L	A	
1,2-Dibromoethane	< 1.0	ug/L	A		Chlorobenzene	< 1.0	ug/L	A	
Ethylbenzene	< 1.0	ug/L	A		1,1,1,2-Tetrachloroethane	< 2.0	ug/L	A	
Xylenes, Total	< 2.0	ug/L	A		Styrene	< 1.0	ug/L	N	
Bromoform	< 2.0	ug/L	A		Isopropylbenzene	< 1.0	ug/L	A	
1,1,2,2-Tetrachloroethane	< 2.0	ug/L	A		Bromobenzene	< 1.0	ug/L	N	
n-Propylbenzene	< 1.0	ug/L	A		1,2,3-Trichloropropane	< 2.0	ug/L	N	
2-Chlorotoluene	< 1.0	ug/L	N		1,3,5-Trimethylbenzene	< 1.0	ug/L	A	
4-Chlorotoluene	< 1.0	ug/L	N		t-Butylbenzene	< 1.0	ug/L	A	
1,2,4-Trimethylbenzene	< 1.0	ug/L	A		s-Butylbenzene	< 1.0	ug/L	A	
4-Isopropyltoluene	< 1.0	ug/L	A		1,3-Dichlorobenzene	< 1.0	ug/L	A	
1,4-Dichlorobenzene	< 1.0	ug/L	A		n-Butylbenzene	< 2.0	ug/L	A	
1,2-Dichlorobenzene	< 1.0	ug/L	A		1,2-Dibromo-3-Chloropropane	< 2.0	ug/L	A	
1,2,4-Trichlorobenzene	< 2.0	ug/L	A		1,3,5-Trichlorobenzene	< 2.0	ug/L	N	
Hexachlorobutadiene	< 0.5	ug/L	N		Naphthalene	< 2.0	ug/L	A	
1,2,3-Trichlorobenzene	< 2.0	ug/L	N		Surr. 1 (Dibromofluoromethane)	101	%	A	
Surr. 2 (Toluene d8)	94	%	A		Surr. 3 (4-Bromofluorobenzene)	90	%	A	
Unidentified Peaks	0		U						

Laboratory Report

CLIENT: Ross Environmental Associates
PROJECT: 35-087
REPORT DATE: 11/9/2015

WORK ORDER: **1510-23151**
DATE RECEIVED: 10/26/2015

TEST METHOD: EPA 8260C

003 Site: MW-1 Date Sampled: 10/26/15 10:25 Analysis Date: 11/4/15 W SJM

Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual
Dichlorodifluoromethane	< 25.0	ug/L	A		Chloromethane	< 15.0	ug/L	N	
Vinyl chloride	< 10.0	ug/L	A		Bromomethane	< 25.0	ug/L	A	
Chloroethane	< 25.0	ug/L	A		Trichlorofluoromethane	< 10.0	ug/L	A	
Diethyl ether	< 25.0	ug/L	N		1,1-Dichloroethene	< 5.0	ug/L	A	
Acetone	< 50.0	ug/L	A		Carbon disulfide	< 25.0	ug/L	A	
Methylene chloride	< 25.0	ug/L	A		t-Butanol	< 100	ug/L	N	
Methyl-t-butyl ether (MTBE)	< 10.0	ug/L	A		trans-1,2-Dichloroethene	< 5.0	ug/L	A	
Di-isopropyl ether (DIPE)	< 10.0	ug/L	N		1,1-Dichloroethane	< 5.0	ug/L	A	
Ethyl-t-butyl ether (ETBE)	< 10.0	ug/L	N		2-Butanone	< 50.0	ug/L	A	
2,2-Dichloropropane	< 10.0	ug/L	N		cis-1,2-Dichloroethene	< 5.0	ug/L	N	
Bromochloromethane	< 10.0	ug/L	N		Chloroform	< 5.0	ug/L	A	
Tetrahydrofuran	< 50.0	ug/L	N		1,1,1-Trichloroethane	< 5.0	ug/L	A	
Carbon tetrachloride	< 5.0	ug/L	A		1,1-Dichloropropene	< 5.0	ug/L	N	
Benzene	25.1	ug/L	A		t-Amylmethyl ether (TAME)	< 10.0	ug/L	N	
1,2-Dichloroethane	< 5.0	ug/L	A		Trichloroethene	< 5.0	ug/L	A	
1,2-Dichloropropane	< 10.0	ug/L	A		Dibromomethane	< 10.0	ug/L	N	
Bromodichloromethane	< 2.5	ug/L	A		cis-1,3-Dichloropropene	< 5.0	ug/L	A	
4-Methyl-2-pentanone (MIBK)	< 50.0	ug/L	N		Toluene	102	ug/L	A	
trans-1,3-Dichloropropene	< 5.0	ug/L	A		1,1,2-Trichloroethane	< 5.0	ug/L	A	
Tetrachloroethene	4.0	ug/L	A	J	1,3-Dichloropropane	< 5.0	ug/L	N	
2-Hexanone	< 50.0	ug/L	N		Dibromochloromethane	< 10.0	ug/L	A	
1,2-Dibromoethane	< 5.0	ug/L	A		Chlorobenzene	< 5.0	ug/L	A	
Ethylbenzene	231	ug/L	A		1,1,1,2-Tetrachloroethane	< 10.0	ug/L	A	
Xylenes, Total	377	ug/L	A		Styrene	< 10.0	ug/L	N	AN1
Bromoform	< 10.0	ug/L	A		Isopropylbenzene	37.8	ug/L	A	
1,1,2,2-Tetrachloroethane	< 10.0	ug/L	A		Bromobenzene	< 5.0	ug/L	N	
n-Propylbenzene	59.0	ug/L	A		1,2,3-Trichloropropane	< 10.0	ug/L	N	
2-Chlorotoluene	< 5.0	ug/L	N		1,3,5-Trimethylbenzene	26.0	ug/L	A	
4-Chlorotoluene	< 5.0	ug/L	N		t-Butylbenzene	< 5.0	ug/L	A	
1,2,4-Trimethylbenzene	41.8	ug/L	A		s-Butylbenzene	5.1	ug/L	A	
4-Isopropyltoluene	< 5.0	ug/L	A		1,3-Dichlorobenzene	< 5.0	ug/L	A	
1,4-Dichlorobenzene	< 5.0	ug/L	A		n-Butylbenzene	< 5.0	ug/L	A	
1,2-Dichlorobenzene	< 5.0	ug/L	A		1,2-Dibromo-3-Chloropropane	< 10.0	ug/L	A	
1,2,4-Trichlorobenzene	< 10.0	ug/L	A		1,3,5-Trichlorobenzene	< 10.0	ug/L	N	
Hexachlorobutadiene	< 2.5	ug/L	N		Naphthalene	109	ug/L	A	
1,2,3-Trichlorobenzene	< 10.0	ug/L	N		Surr. 1 (Dibromofluoromethane)	102	%	A	
Surr. 2 (Toluene d8)	98	%	A		Surr. 3 (4-Bromofluorobenzene)	103	%	A	
Unidentified Peaks	>10		U						

CLIENT: Ross Environmental Associates
PROJECT: 35-087
REPORT DATE: 11/9/2015

WORK ORDER: **1510-23151**
DATE RECEIVED: 10/26/2015

TEST METHOD: EPA 8260C

004 Site: MW-14 Date Sampled: 10/26/15 10:45 Analysis Date: 11/4/15 W SJM

Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual
Dichlorodifluoromethane	< 5.0	ug/L	A		Chloromethane	< 3.0	ug/L	N	
Vinyl chloride	< 2.0	ug/L	A		Bromomethane	< 5.0	ug/L	A	
Chloroethane	< 5.0	ug/L	A		Trichlorofluoromethane	< 2.0	ug/L	A	
Diethyl ether	< 5.0	ug/L	N		1,1-Dichloroethene	< 1.0	ug/L	A	
Acetone	< 10.0	ug/L	A		Carbon disulfide	< 5.0	ug/L	A	
Methylene chloride	< 5.0	ug/L	A		t-Butanol	< 20.0	ug/L	N	
Methyl-t-butyl ether (MTBE)	< 2.0	ug/L	A		trans-1,2-Dichloroethene	< 1.0	ug/L	A	
Di-isopropyl ether (DIPE)	< 2.0	ug/L	N		1,1-Dichloroethane	< 1.0	ug/L	A	
Ethyl-t-butyl ether (ETBE)	< 2.0	ug/L	N		2-Butanone	< 10.0	ug/L	A	
2,2-Dichloropropane	< 2.0	ug/L	N		cis-1,2-Dichloroethene	< 1.0	ug/L	N	
Bromochloromethane	< 2.0	ug/L	N		Chloroform	< 1.0	ug/L	A	
Tetrahydrofuran	< 10.0	ug/L	N		1,1,1-Trichloroethane	< 1.0	ug/L	A	
Carbon tetrachloride	< 1.0	ug/L	A		1,1-Dichloropropene	< 1.0	ug/L	N	
Benzene	< 1.0	ug/L	A		t-Amylmethyl ether (TAME)	< 2.0	ug/L	N	
1,2-Dichloroethane	< 1.0	ug/L	A		Trichloroethene	< 1.0	ug/L	A	
1,2-Dichloropropane	< 2.0	ug/L	A		Dibromomethane	< 2.0	ug/L	N	
Bromodichloromethane	< 0.5	ug/L	A		cis-1,3-Dichloropropene	< 1.0	ug/L	A	
4-Methyl-2-pentanone (MIBK)	< 10.0	ug/L	N		Toluene	< 1.0	ug/L	A	
trans-1,3-Dichloropropene	< 1.0	ug/L	A		1,1,2-Trichloroethane	< 1.0	ug/L	A	
Tetrachloroethene	< 1.0	ug/L	A		1,3-Dichloropropane	< 1.0	ug/L	N	
2-Hexanone	< 10.0	ug/L	N		Dibromochloromethane	< 2.0	ug/L	A	
1,2-Dibromoethane	< 1.0	ug/L	A		Chlorobenzene	< 1.0	ug/L	A	
Ethylbenzene	< 1.0	ug/L	A		1,1,1,2-Tetrachloroethane	< 2.0	ug/L	A	
Xylenes, Total	< 2.0	ug/L	A		Styrene	< 1.0	ug/L	N	
Bromoform	< 2.0	ug/L	A		Isopropylbenzene	< 1.0	ug/L	A	
1,1,2,2-Tetrachloroethane	< 2.0	ug/L	A		Bromobenzene	< 1.0	ug/L	N	
n-Propylbenzene	< 1.0	ug/L	A		1,2,3-Trichloropropane	< 2.0	ug/L	N	
2-Chlorotoluene	< 1.0	ug/L	N		1,3,5-Trimethylbenzene	< 1.0	ug/L	A	
4-Chlorotoluene	< 1.0	ug/L	N		t-Butylbenzene	< 1.0	ug/L	A	
1,2,4-Trimethylbenzene	< 1.0	ug/L	A		s-Butylbenzene	< 1.0	ug/L	A	
4-Isopropyltoluene	< 1.0	ug/L	A		1,3-Dichlorobenzene	< 1.0	ug/L	A	
1,4-Dichlorobenzene	< 1.0	ug/L	A		n-Butylbenzene	< 1.0	ug/L	A	
1,2-Dichlorobenzene	< 1.0	ug/L	A		1,2-Dibromo-3-Chloropropane	< 2.0	ug/L	A	
1,2,4-Trichlorobenzene	< 2.0	ug/L	A		1,3,5-Trichlorobenzene	< 2.0	ug/L	N	
Hexachlorobutadiene	< 0.5	ug/L	N		Naphthalene	< 2.0	ug/L	A	
1,2,3-Trichlorobenzene	< 2.0	ug/L	N		Surr. 1 (Dibromofluoromethane)	103	%	A	
Surr. 2 (Toluene d8)	100	%	A		Surr. 3 (4-Bromofluorobenzene)	95	%	A	
Unidentified Peaks	0		U						

CLIENT: Ross Environmental Associates
PROJECT: 35-087
REPORT DATE: 11/9/2015

WORK ORDER: **1510-23151**
DATE RECEIVED: 10/26/2015

TEST METHOD: EPA 8260C

005 Site: MW-13 Date Sampled: 10/26/15 11:45 Analysis Date: 11/4/15 W SJM

Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual
Dichlorodifluoromethane	< 25.0	ug/L	A		Chloromethane	< 15.0	ug/L	N	
Vinyl chloride	< 10.0	ug/L	A		Bromomethane	< 25.0	ug/L	A	
Chloroethane	< 25.0	ug/L	A		Trichlorofluoromethane	< 10.0	ug/L	A	
Diethyl ether	< 25.0	ug/L	N		1,1-Dichloroethene	< 5.0	ug/L	A	
Acetone	< 50.0	ug/L	A		Carbon disulfide	< 25.0	ug/L	A	
Methylene chloride	< 25.0	ug/L	A		t-Butanol	< 100	ug/L	N	
Methyl-t-butyl ether (MTBE)	< 10.0	ug/L	A		trans-1,2-Dichloroethene	< 5.0	ug/L	A	
Di-isopropyl ether (DIPE)	< 10.0	ug/L	N		1,1-Dichloroethane	< 5.0	ug/L	A	
Ethyl-t-butyl ether (ETBE)	< 10.0	ug/L	N		2-Butanone	< 50.0	ug/L	A	
2,2-Dichloropropane	< 10.0	ug/L	N		cis-1,2-Dichloroethene	< 5.0	ug/L	N	
Bromochloromethane	< 10.0	ug/L	N		Chloroform	< 5.0	ug/L	A	
Tetrahydrofuran	< 50.0	ug/L	N		1,1,1-Trichloroethane	< 5.0	ug/L	A	
Carbon tetrachloride	< 5.0	ug/L	A		1,1-Dichloropropene	< 5.0	ug/L	N	
Benzene	37.3	ug/L	A		t-Amylmethyl ether (TAME)	< 10.0	ug/L	N	
1,2-Dichloroethane	< 5.0	ug/L	A		Trichloroethene	< 5.0	ug/L	A	
1,2-Dichloropropane	< 10.0	ug/L	A		Dibromomethane	< 10.0	ug/L	N	
Bromodichloromethane	< 2.5	ug/L	A		cis-1,3-Dichloropropene	< 5.0	ug/L	A	
4-Methyl-2-pentanone (MIBK)	< 50.0	ug/L	N		Toluene	3,560	ug/L	A	
trans-1,3-Dichloropropene	< 5.0	ug/L	A		1,1,2-Trichloroethane	< 5.0	ug/L	A	
Tetrachloroethene	< 5.0	ug/L	A		1,3-Dichloropropane	< 5.0	ug/L	N	
2-Hexanone	< 50.0	ug/L	N		Dibromochloromethane	< 10.0	ug/L	A	
1,2-Dibromoethane	< 5.0	ug/L	A		Chlorobenzene	< 5.0	ug/L	A	
Ethylbenzene	651	ug/L	A		1,1,1,2-Tetrachloroethane	< 10.0	ug/L	A	
Xylenes, Total	2,750	ug/L	A		Styrene	< 50.0	ug/L	N	AN1
Bromoform	< 10.0	ug/L	A		Isopropylbenzene	43.5	ug/L	A	
1,1,2,2-Tetrachloroethane	< 10.0	ug/L	A		Bromobenzene	< 5.0	ug/L	N	
n-Propylbenzene	74.2	ug/L	A		1,2,3-Trichloropropane	< 10.0	ug/L	N	
2-Chlorotoluene	< 5.0	ug/L	N		1,3,5-Trimethylbenzene	148	ug/L	A	
4-Chlorotoluene	< 5.0	ug/L	N		t-Butylbenzene	< 5.0	ug/L	A	
1,2,4-Trimethylbenzene	603	ug/L	A		s-Butylbenzene	5.2	ug/L	A	
4-Isopropyltoluene	< 5.0	ug/L	A		1,3-Dichlorobenzene	< 5.0	ug/L	A	
1,4-Dichlorobenzene	< 5.0	ug/L	A		n-Butylbenzene	< 5.0	ug/L	A	
1,2-Dichlorobenzene	< 5.0	ug/L	A		1,2-Dibromo-3-Chloropropane	< 10.0	ug/L	A	
1,2,4-Trichlorobenzene	< 10.0	ug/L	A		1,3,5-Trichlorobenzene	< 10.0	ug/L	N	
Hexachlorobutadiene	< 2.5	ug/L	N		Naphthalene	164	ug/L	A	
1,2,3-Trichlorobenzene	< 10.0	ug/L	N		Surr. 1 (Dibromofluoromethane)	102	%	A	
Surr. 2 (Toluene d8)	105	%	A		Surr. 3 (4-Bromofluorobenzene)	109	%	A	
Unidentified Peaks	>10		U						

CLIENT: Ross Environmental Associates
PROJECT: 35-087
REPORT DATE: 11/9/2015

WORK ORDER: **1510-23151**
DATE RECEIVED: 10/26/2015

TEST METHOD: EPA 8260C

006 Site: Dup Date Sampled: 10/26/15 09:45 Analysis Date: 11/4/15 W SJM

Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual
Dichlorodifluoromethane	< 5.0	ug/L	A		Chloromethane	< 3.0	ug/L	N	
Vinyl chloride	< 2.0	ug/L	A		Bromomethane	< 5.0	ug/L	A	
Chloroethane	< 5.0	ug/L	A		Trichlorofluoromethane	< 2.0	ug/L	A	
Diethyl ether	< 5.0	ug/L	N		1,1-Dichloroethene	< 1.0	ug/L	A	
Acetone	< 10.0	ug/L	A		Carbon disulfide	< 5.0	ug/L	A	
Methylene chloride	< 5.0	ug/L	A		t-Butanol	< 20.0	ug/L	N	
Methyl-t-butyl ether (MTBE)	< 2.0	ug/L	A		trans-1,2-Dichloroethene	< 1.0	ug/L	A	
Di-isopropyl ether (DIPE)	< 2.0	ug/L	N		1,1-Dichloroethane	< 1.0	ug/L	A	
Ethyl-t-butyl ether (ETBE)	< 2.0	ug/L	N		2-Butanone	< 10.0	ug/L	A	
2,2-Dichloropropane	< 2.0	ug/L	N		cis-1,2-Dichloroethene	< 1.0	ug/L	N	
Bromochloromethane	< 2.0	ug/L	N		Chloroform	< 1.0	ug/L	A	
Tetrahydrofuran	< 10.0	ug/L	N		1,1,1-Trichloroethane	< 1.0	ug/L	A	
Carbon tetrachloride	< 1.0	ug/L	A		1,1-Dichloropropene	< 1.0	ug/L	N	
Benzene	19.8	ug/L	A		t-Amylmethyl ether (TAME)	< 2.0	ug/L	N	
1,2-Dichloroethane	< 1.0	ug/L	A		Trichloroethene	< 1.0	ug/L	A	
1,2-Dichloropropane	< 2.0	ug/L	A		Dibromomethane	< 2.0	ug/L	N	
Bromodichloromethane	< 0.5	ug/L	A		cis-1,3-Dichloropropene	< 1.0	ug/L	A	
4-Methyl-2-pentanone (MIBK)	< 10.0	ug/L	N		Toluene	91.9	ug/L	A	
trans-1,3-Dichloropropene	< 1.0	ug/L	A		1,1,2-Trichloroethane	< 1.0	ug/L	A	
Tetrachloroethene	4.0	ug/L	A		1,3-Dichloropropane	< 1.0	ug/L	N	
2-Hexanone	< 10.0	ug/L	N		Dibromochloromethane	< 2.0	ug/L	A	
1,2-Dibromoethane	< 1.0	ug/L	A		Chlorobenzene	< 1.0	ug/L	A	
Ethylbenzene	240	ug/L	A		1,1,1,2-Tetrachloroethane	< 2.0	ug/L	A	
Xylenes, Total	313	ug/L	A		Styrene	< 5.0	ug/L	N	AN1
Bromoform	< 2.0	ug/L	A		Isopropylbenzene	33.9	ug/L	A	
1,1,2,2-Tetrachloroethane	< 2.0	ug/L	A		Bromobenzene	< 1.0	ug/L	N	
n-Propylbenzene	52.8	ug/L	A		1,2,3-Trichloropropane	< 2.0	ug/L	N	
2-Chlorotoluene	< 1.0	ug/L	N		1,3,5-Trimethylbenzene	22.3	ug/L	A	
4-Chlorotoluene	< 1.0	ug/L	N		t-Butylbenzene	< 1.0	ug/L	A	
1,2,4-Trimethylbenzene	37.6	ug/L	A		s-Butylbenzene	4.4	ug/L	A	
4-Isopropyltoluene	1.2	ug/L	A		1,3-Dichlorobenzene	< 1.0	ug/L	A	
1,4-Dichlorobenzene	< 1.0	ug/L	A		n-Butylbenzene	3.1	ug/L	A	
1,2-Dichlorobenzene	< 1.0	ug/L	A		1,2-Dibromo-3-Chloropropane	< 2.0	ug/L	A	
1,2,4-Trichlorobenzene	< 2.0	ug/L	A		1,3,5-Trichlorobenzene	< 2.0	ug/L	N	
Hexachlorobutadiene	< 0.5	ug/L	N		Naphthalene	113	ug/L	A	
1,2,3-Trichlorobenzene	< 2.0	ug/L	N		Surr. 1 (Dibromofluoromethane)	96	%	A	
Surr. 2 (Toluene d8)	101	%	A		Surr. 3 (4-Bromofluorobenzene)	98	%	A	
Unidentified Peaks	>10		U						

Report Summary of Qualifiers and Notes

AN1: Reporting limit increased due to sample matrix interference.
J: Reported value has a higher level of uncertainty. Parameter was detected above the Method Detection Limit but below the lowest point in the calibration. A value above the MDL has a 99% confidence that the concentration of the parameter in the sample is greater than zero.

ENDYNE, INC.
160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333

CHAIN-OF-CUSTODY-RECORD

75080

Special Reporting Instructions/PO#:

Project Name: 35-087	Client/Contact Name: Ross Environmental	Sampler Name: Emma Blanchard
	Phone #: 253-4280	Phone #: 253-4280
State of Origin: VT X NY __ NH __ Other __	Mailing Address: S. main st. Stowe, VT	Billing Address:
Endyne WO # 1510-23151		

Sample Location	Matrix	GRAB	COMP	Date/Time Sampled	Sample Containers No.	Sample Containers Type/Size	Sample Preservation	Analysis Required	FieldResults/Remarks	Due Date
mw-11	GW	X		10.26.15 / 945	2	40mL VOA	HCl	8260		
mw-12	GW	X		10-26-15 / 1005	2	↓	HCl	8260		
mw-1	GW	X		10.26.15 / 1025	2	↓	HCl	8260		
mw-14	GW	X		10.26.15 / 1045	2	↓	HCl	8260		
mw-13	GW	X		10.26.15 / 1145	2	↓	HCl	8260		
DUP.	GW	X		10.26.15 / —	2	↓	HCl	8260		

Relinquished by:	Date/Time	Received by:	Date/Time	Received by:	Date/Time
E Blanchard	10.26.15/1200			M Farrell	10/26/15 1200

1	pH	6	TKN	11	Total Solids	16	Sulfate	21	1664 TPH/FOG	26	8270 PAH Only
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	8015 GRO	27	8081 Pest
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	8015 DRO	28	8082 PCB
4	Nitrite N	9	BOD	14	Turbidity	19	VT PCF	24	8260B	29	PP13 Metals
5	Nitrate N	10	Alkalinity	15	Conductivity	20	VOC Halocarbons	25	8270 B/N or Acid	30	Total RCRA8
31	Metals (Total, Diss.) Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Tl, U, V, Zn										
32	TCLP (volatiles, semi-volatiles, metals, pesticides, herbicides)					33	Other				
34	Corrosivity	35	Ignitability	36	Reactivity	37	Other				
38	Other										

LAB USE ONLY
Delivery: Client
Temp: 4.9
Comment:

(White - Laboratory / Yellow - Client)

ENDYNE Inc.
Environmental Laboratories

Laboratory Report

Ross Environmental Associates	090219
PO Box 1533	
Stowe, VT 05672	
Atten: Bob Ross	

PROJECT: Capital Merc.

WORK ORDER: **1511-24264**

DATE RECEIVED: November 10, 2015

DATE REPORTED: November 13, 2015

SAMPLER: Emma Blanchard

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. All required method quality control elements including instrument calibration were performed in accordance with method requirements and determined to be acceptable unless otherwise noted.

The column labeled Lab/Tech in the accompanying report denotes the laboratory facility where the testing was performed and the technician who conducted the assay. A "W" designates the Williston, VT lab under NELAC certification ELAP 11263; "R" designates the Lebanon, NH facility under certification NH 2037 and "N" the Plattsburgh, NY lab under certification ELAP 11892. "Sub" indicates the testing was performed by a subcontracted laboratory. The accreditation status of the subcontracted lab is referenced in the corresponding NELAC and Qual fields.

The NELAC column also denotes the accreditation status of each laboratory for each reported parameter. "A" indicates the referenced laboratory is NELAC accredited for the parameter reported. "N" indicates the laboratory is not accredited. "U" indicates that NELAC does not offer accreditation for that parameter in that specific matrix. Test results denoted with an "A" meet all National Environmental Laboratory Accreditation Program requirements except where denoted by pertinent data qualifiers. Test results are representative of the samples as they were received at the laboratory

Endyne, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose.

Reviewed by:

Harry B. Locker, Ph.D.
Laboratory Director

Laboratory Report

CLIENT: Ross Environmental Associates
PROJECT: Capital Merc.
REPORT DATE: 11/13/2015

WORK ORDER: **1511-24264**
DATE RECEIVED: 11/10/2015

TEST METHOD: EPA 8260C

001 Site: CB-1 Date Sampled: 11/10/15 12:30 Analysis Date: 11/11/15 W SJM

Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual
Prep EPA 5035A High Level	Complete		A		Dichlorodifluoromethane	< 120	ug/Kg, Dry	N	
Chloromethane	< 72.0	ug/Kg, Dry	A		Vinyl chloride	< 48.0	ug/Kg, Dry	A	
Bromomethane	< 120	ug/Kg, Dry	A	QA-	Chloroethane	< 120	ug/Kg, Dry	A	
Trichlorofluoromethane	< 48.0	ug/Kg, Dry	N		Diethyl ether	< 120	ug/Kg, Dry	N	
1,1-Dichloroethene	< 24.0	ug/Kg, Dry	A		Acetone	< 240	ug/Kg, Dry	N	
Carbon disulfide	< 120	ug/Kg, Dry	N		Methylene chloride	< 120	ug/Kg, Dry	A	
t-Butanol	< 480	ug/Kg, Dry	N		Methyl-t-butyl ether (MTBE)	< 48.0	ug/Kg, Dry	A	
trans-1,2-Dichloroethene	< 24.0	ug/Kg, Dry	A		Di-isopropyl ether (DIPE)	< 48.0	ug/Kg, Dry	U	
1,1-Dichloroethane	< 24.0	ug/Kg, Dry	A		Ethyl-t-butyl ether (ETBE)	< 48.0	ug/Kg, Dry	U	
2-Butanone	< 240	ug/Kg, Dry	A		2,2-Dichloropropane	< 48.0	ug/Kg, Dry	N	
cis-1,2-Dichloroethene	< 24.0	ug/Kg, Dry	N		Bromochloromethane	< 48.0	ug/Kg, Dry	N	
Chloroform	< 24.0	ug/Kg, Dry	A		Tetrahydrofuran	< 240	ug/Kg, Dry	U	
1,1,1-Trichloroethane	< 24.0	ug/Kg, Dry	A		Carbon tetrachloride	< 24.0	ug/Kg, Dry	A	
1,1-Dichloropropene	< 24.0	ug/Kg, Dry	N		Benzene	< 24.0	ug/Kg, Dry	A	
t-Amylmethyl ether (TAME)	< 48.0	ug/Kg, Dry	U		1,2-Dichloroethane	< 24.0	ug/Kg, Dry	A	
Trichloroethene	< 24.0	ug/Kg, Dry	A		1,2-Dichloropropane	< 48.0	ug/Kg, Dry	A	
Dibromomethane	< 48.0	ug/Kg, Dry	N		Bromodichloromethane	< 24.0	ug/Kg, Dry	N	
cis-1,3-Dichloropropene	< 48.0	ug/Kg, Dry	A		4-Methyl-2-pentanone (MIBK)	< 240	ug/Kg, Dry	N	
Toluene	< 24.0	ug/Kg, Dry	A		trans-1,3-Dichloropropene	< 48.0	ug/Kg, Dry	A	
1,1,2-Trichloroethane	< 24.0	ug/Kg, Dry	A		Tetrachloroethene	< 24.0	ug/Kg, Dry	A	
1,3-Dichloropropane	< 24.0	ug/Kg, Dry	N		2-Hexanone	< 240	ug/Kg, Dry	N	
Dibromochloromethane	< 48.0	ug/Kg, Dry	A		1,2-Dibromoethane	< 24.0	ug/Kg, Dry	N	
Chlorobenzene	< 24.0	ug/Kg, Dry	A		Ethylbenzene	< 24.0	ug/Kg, Dry	A	
1,1,1,2-Tetrachloroethane	< 48.0	ug/Kg, Dry	N		Xylenes, Total	< 48.0	ug/Kg, Dry	A	
Styrene	< 24.0	ug/Kg, Dry	N		Bromoform	< 48.0	ug/Kg, Dry	A	
Isopropylbenzene	< 24.0	ug/Kg, Dry	A		1,1,2,2-Tetrachloroethane	< 48.0	ug/Kg, Dry	A	
Bromobenzene	< 24.0	ug/Kg, Dry	N		n-Propylbenzene	< 24.0	ug/Kg, Dry	A	
1,2,3-Trichloropropane	< 48.0	ug/Kg, Dry	N		2-Chlorotoluene	< 24.0	ug/Kg, Dry	N	
1,3,5-Trimethylbenzene	< 24.0	ug/Kg, Dry	A		4-Chlorotoluene	< 24.0	ug/Kg, Dry	N	
t-Butylbenzene	< 24.0	ug/Kg, Dry	A		1,2,4-Trimethylbenzene	< 24.0	ug/Kg, Dry	A	
s-Butylbenzene	< 24.0	ug/Kg, Dry	A		4-Isopropyltoluene	< 24.0	ug/Kg, Dry	A	
1,3-Dichlorobenzene	< 24.0	ug/Kg, Dry	A		1,4-Dichlorobenzene	< 24.0	ug/Kg, Dry	A	
n-Butylbenzene	< 48.0	ug/Kg, Dry	A		1,2-Dichlorobenzene	< 24.0	ug/Kg, Dry	A	
1,2-Dibromo-3-Chloropropane	< 48.0	ug/Kg, Dry	N		1,2,4-Trichlorobenzene	< 48.0	ug/Kg, Dry	N	
1,3,5-Trichlorobenzene	< 48.0	ug/Kg, Dry	N		Hexachlorobutadiene	< 48.0	ug/Kg, Dry	N	
Naphthalene	< 48.0	ug/Kg, Dry	A		1,2,3-Trichlorobenzene	< 48.0	ug/Kg, Dry	N	
Surr. 1 (Dibromofluoromethane)	89	%	U		Surr. 2 (Toluene d8)	96	%	U	
Surr. 3 (4-Bromofluorobenzene)	115	%	U		Unidentified Peaks	0		U	

Laboratory Report

CLIENT: Ross Environmental Associates
PROJECT: Capital Merc.
REPORT DATE: 11/13/2015

WORK ORDER: **1511-24264**
DATE RECEIVED: 11/10/2015

TEST METHOD: EPA 8260C

002 Site: CB-2 Date Sampled: 11/10/15 13:45 Analysis Date: 11/11/15 W SJM

Parameter	Result	Unit	Nelac	Qual	Parameter	Result	Unit	Nelac	Qual
Prep EPA 5035A High Level	Complete		A		Dichlorodifluoromethane	< 85.0	ug/Kg, Dry	N	M-
Chloromethane	< 51.0	ug/Kg, Dry	A		Vinyl chloride	< 34.0	ug/Kg, Dry	A	
Bromomethane	< 85.0	ug/Kg, Dry	A	QA-	Chloroethane	< 85.0	ug/Kg, Dry	A	
Trichlorofluoromethane	< 34.0	ug/Kg, Dry	N		Diethyl ether	< 85.0	ug/Kg, Dry	N	
1,1-Dichloroethene	< 17.0	ug/Kg, Dry	A		Acetone	< 170	ug/Kg, Dry	N	
Carbon disulfide	< 85.0	ug/Kg, Dry	N		Methylene chloride	< 85.0	ug/Kg, Dry	A	
t-Butanol	< 340	ug/Kg, Dry	N		Methyl-t-butyl ether (MTBE)	< 34.0	ug/Kg, Dry	A	
trans-1,2-Dichloroethene	< 17.0	ug/Kg, Dry	A		Di-isopropyl ether (DIPE)	< 34.0	ug/Kg, Dry	U	
1,1-Dichloroethane	< 17.0	ug/Kg, Dry	A		Ethyl-t-butyl ether (ETBE)	< 34.0	ug/Kg, Dry	U	
2-Butanone	< 170	ug/Kg, Dry	A		2,2-Dichloropropane	< 34.0	ug/Kg, Dry	N	
cis-1,2-Dichloroethene	< 17.0	ug/Kg, Dry	N		Bromochloromethane	< 34.0	ug/Kg, Dry	N	
Chloroform	< 17.0	ug/Kg, Dry	A		Tetrahydrofuran	< 170	ug/Kg, Dry	U	
1,1,1-Trichloroethane	< 17.0	ug/Kg, Dry	A		Carbon tetrachloride	< 17.0	ug/Kg, Dry	A	
1,1-Dichloropropene	< 17.0	ug/Kg, Dry	N		Benzene	< 17.0	ug/Kg, Dry	A	
t-Amylmethyl ether (TAME)	< 34.0	ug/Kg, Dry	U		1,2-Dichloroethane	< 17.0	ug/Kg, Dry	A	
Trichloroethene	< 17.0	ug/Kg, Dry	A		1,2-Dichloropropane	< 34.0	ug/Kg, Dry	A	
Dibromomethane	< 34.0	ug/Kg, Dry	N		Bromodichloromethane	< 17.0	ug/Kg, Dry	N	
cis-1,3-Dichloropropene	< 34.0	ug/Kg, Dry	A		4-Methyl-2-pentanone (MIBK)	< 170	ug/Kg, Dry	N	
Toluene	< 17.0	ug/Kg, Dry	A		trans-1,3-Dichloropropene	< 34.0	ug/Kg, Dry	A	
1,1,2-Trichloroethane	< 17.0	ug/Kg, Dry	A		Tetrachloroethene	< 17.0	ug/Kg, Dry	A	
1,3-Dichloropropane	< 17.0	ug/Kg, Dry	N		2-Hexanone	< 170	ug/Kg, Dry	N	
Dibromochloromethane	< 34.0	ug/Kg, Dry	A		1,2-Dibromoethane	< 17.0	ug/Kg, Dry	N	
Chlorobenzene	< 17.0	ug/Kg, Dry	A		Ethylbenzene	< 17.0	ug/Kg, Dry	A	
1,1,1,2-Tetrachloroethane	< 34.0	ug/Kg, Dry	N		Xylenes, Total	< 34.0	ug/Kg, Dry	A	
Styrene	< 17.0	ug/Kg, Dry	N		Bromoform	< 34.0	ug/Kg, Dry	A	
Isopropylbenzene	< 17.0	ug/Kg, Dry	A		1,1,2,2-Tetrachloroethane	< 34.0	ug/Kg, Dry	A	
Bromobenzene	< 17.0	ug/Kg, Dry	N		n-Propylbenzene	< 17.0	ug/Kg, Dry	A	
1,2,3-Trichloropropane	< 34.0	ug/Kg, Dry	N		2-Chlorotoluene	< 17.0	ug/Kg, Dry	N	
1,3,5-Trimethylbenzene	< 17.0	ug/Kg, Dry	A		4-Chlorotoluene	< 17.0	ug/Kg, Dry	N	
t-Butylbenzene	< 17.0	ug/Kg, Dry	A		1,2,4-Trimethylbenzene	< 17.0	ug/Kg, Dry	A	
s-Butylbenzene	< 17.0	ug/Kg, Dry	A		4-Isopropyltoluene	< 17.0	ug/Kg, Dry	A	
1,3-Dichlorobenzene	< 17.0	ug/Kg, Dry	A		1,4-Dichlorobenzene	< 17.0	ug/Kg, Dry	A	
n-Butylbenzene	< 34.0	ug/Kg, Dry	A		1,2-Dichlorobenzene	< 17.0	ug/Kg, Dry	A	
1,2-Dibromo-3-Chloropropane	< 34.0	ug/Kg, Dry	N		1,2,4-Trichlorobenzene	< 34.0	ug/Kg, Dry	N	
1,3,5-Trichlorobenzene	< 34.0	ug/Kg, Dry	N		Hexachlorobutadiene	< 34.0	ug/Kg, Dry	N	
Naphthalene	< 34.0	ug/Kg, Dry	A		1,2,3-Trichlorobenzene	< 34.0	ug/Kg, Dry	N	
Surr. 1 (Dibromofluoromethane)	86	%	U		Surr. 2 (Toluene d8)	94	%	U	
Surr. 3 (4-Bromofluorobenzene)	113	%	U		Unidentified Peaks	0		U	

Report Summary of Qualifiers and Notes

QA-: QA/QC associated with this analysis did not meet laboratory acceptance limits indicating the results may be biased low.
M-: The Laboratory Fortified Matrix (LFM) analysis had a recovery lower than defined acceptance limits. This indicates a potential negative bias in the reported value or a difficult sample matrix that resulted in poor reproducibility between sample aliquots selected for analysis.

ENDYNE, INC.

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333

CHAIN-OF-CUSTODY-RECORD

72625

Special Reporting Instructions/PO#:

Project Name: Capital Merc.	Client/Contact Name: Ross Environmental	Sampler Name: Emma Blanchard
State of Origin: VT X NY __ NH __ Other __	Phone #:	Phone #:
Endyne WO # 1511-24264	Mailing Address:	Billing Address:

Sample Location	Matrix	GRAB	COMP	Date/Time Sampled	Sample Containers No.	Sample Containers Type/Size	Sample Preservation	Analysis Required	FieldResults/Remarks	Due Date
CB-1	S	X		11.10.15/1230	2	VOA 40mL	Me	24		
CB-2	S	X		11.10.15/1245	2	VOA 40mL	Me	24		

Relinquished by:	Date/Time	Received by:	Date/Time	Received by:	Date/Time
E Blanchard	11.10.15/1250			Eileen Romey	11/10/15 @ 1304

1	pH	6	TKN	11	Total Solids	16	Sulfate	21	1664 TPH/FOG	26	8270 PAH Only
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	8015 GRO	27	8081 Pest
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	8015 DRO	28	8082 PCB
4	Nitrite N	9	BOD	14	Turbidity	19	VT PCF	24	8260B	29	PP13 Metals
5	Nitrate N	10	Alkalinity	15	Conductivity	20	VOC Halocarbons	25	8270 B/N or Acid	30	Total RCRA8
31	Metals (Total, Diss.) Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Tl, U, V, Zn										
32	TCLP (volatiles, semi-volatiles, metals, pesticides, herbicides)					33	Other				
34	Corrosivity	35	Ignitability	36	Reactivity	37	Other				
38	Other										

LAB USE ONLY
Delivery: Client
Temp: 4.8
Comment:

(White - Laboratory / Yellow - Client)