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5 May 2016

MEMORANDUM

TO: David Gardner, P.E. **LOCATION:** NYSDEC-Albany, New York

FROM: James Hayward, P.E.

SUBJECT: Sampling and Delineation; 1 Adams Boulevard
National Heatset Printing Site
Babylon, New York
Contract/WA No: D007624-16

EA Engineering, P.C., and its affiliate EA Science and Technology (EA) were tasked by the New York State Department of Environmental Conservation (NYSDEC) under Work Assignment No. D007624-16 to perform site management activities at the National Heatset Printing Co. State Superfund Site. At the request of the NYSDEC, EA has prepared this memo to summarize the field work and preliminary data associated with performance of sub-slab soil sampling at 1 Adams Boulevard, as well as the installation and sampling of permanent vapor monitoring points.

The goal of this investigation was to further delineate the nature and extent of contamination under the concrete slab, evaluate the zone of influence of the existing soil vapor extraction system (SVE), and provide data for the design/layout of the horizontal SVE wells.

The following activities were completed as part as the investigation conducted February 2016 – March 2016:

- Selection of drilling points based on initial photoionization detector (PID) readings from the existing soil vapor points
- Installation and field screening of soil borings and the collection of soil samples for laboratory analysis
- Installation of additional soil vapor points and abandonment of soil boring locations
- Collection of soil vapor and indoor air samples
- Surveying of soil boring locations and permanent soil vapor points.

BACKGROUND AND RATIONALE

Site Description

The National Heatset Printing Co. site is currently a Class 2 site listed on the NYSDEC Registry of Inactive Hazardous Waste Sites (Site No. 152140). The site is located at 1 Adams Boulevard

in the Hamlet of Farmingdale, Town of Babylon, Suffolk County, New York, and is identified as Block 1.00 and Lot 20.001 on the Town of Babylon Tax Map No. 132.20-1-3.2. A site location map is provided in **Figure 1**. The site is currently owned by One Adams Boulevard Realty Corporation, managed by Finklestein Realty, and leased by Sundial Brands. The site contains one 90,000 square foot warehouse on a 4.5 acres lot. The site is located in an industrial area and is bounded by railroad tracks to the north, Adams Boulevard and an industrial property to the south, an industrial property to the east, and an industrial property to the west.

In early 2014, the interior of the industrial building was remodeled in order to accommodate a new tenant (Sundial Brands). The remodeling consisted of sealing the concrete floor and installing pallet-racking throughout the building. Sundial's warehouse is very active, and the floor is used for storage of loaded pallets, which are moved in/out of the facility using forklifts. As a result, the original soil vapor monitoring points inside the building are frequently inaccessible and potentially compromised due to the floor sealing and storage of Sundial products.

WORK PERFORMED

Field activities described in this section were documented in a dedicated field logbook that will be maintained for all site activities. Photographs were also taken to document field activities, and are presented in **Attachment A**. Field forms including soil boring logs and chain-of-custody forms were used during onsite work – copies of which can be found in **Attachment B and C**, respectively.

Soil Sampling

Prior to installation of the soil borings, a geophysical survey was performed by On Point Locating to refine the locations and avoid possible subsurface utilities. The results of the geophysical survey are included in **Figure 2**.

To assess sub slab soil conditions at 1 Adams Boulevard a total of 15 soil borings were installed by Clearwater Drilling, a division of Environmental Assessment & Remediation (EAR). The soil borings were advanced with a 420M Geoprobe® and associated remote hydraulic power pack. All soil borings were installed with oversight by an EA geologist. Prior to advancing the soil borings, the driller cored a 4-inch (in.) diameter hole in the concrete slab to gain access to the sub-slab soil. Continuous soil samples were collected using 4-feet (ft) and 2-ft macrocores from just beneath the concrete slab to approximately 10-ft below ground surface (bgs). Boring/sampling locations were determined in the field by EA, in conjunction with the NYSDEC Project Manager, and were influenced by past sampling results and accessibility due to storage of pallets and use of forklifts by the tenant. **Figure 3** shows the locations of all the soil borings and vapor points installed at 1 Adams Boulevard, as surveyed on 8-9 March 2016 by MJ Engineering.

All subsurface drilling equipment was decontaminated between boring locations using liquinox and potable rinse water. One rinsate blank per day was collected by EA and submitted to the offsite laboratory (Hampton-Clarke Veritech) for analysis of target compound list volatile organic compounds (VOCs) by United States Environmental Protection Agency (EPA) Method

8260B. Clearwater Drilling containerized and is responsible for the offsite disposal of decontamination fluids, drill cuttings, and waste concrete material. Soil cuttings were placed back into the borehole after completion with any remaining cuttings being containerized for disposal. All concrete material and investigation-derived waste (cuttings/decontamination fluids) were assumed to be non-hazardous.

All soil samples were screened with a PID and logged by an EA field geologist. One sample was collected from each borehole. The soil sample from each borehole was collected from the interval that yielded the highest VOC detection with the PID. In the case of ISB-15 (located in the welding shop), no VOCs were detected while screening with a PID. Instead of sampling the interval closest to the water table, EA sampled the 2-4 ft bgs interval at ISB-15 as the 2-4 ft bgs interval at other boring locations typically yielded the highest VOC detection. Soil samples collected from the borings were collected by hand directly from the acetate liners, using dedicated nitrile gloves, and placed into 4 ounce soil jars provided by the laboratory EA shipped all soil samples to the offsite analytical laboratory (Hampton-Clarke Veritech) via overnight delivery for analysis of target compound list VOCs by EPA Method 8260B.

Following completion of all 15 soil borings and based upon results of field screening, EA selected 5 boring locations (which were approved by NYSDEC) to convert to soil vapor monitoring points. The vapor point installation was performed as described below. The remaining borings were abandoned, and the surface was restored to its original condition. **Figure 3** depicts the location of the soil boring and installed vapor points.

Soil Vapor Point Installation

Prior to installation of each soil vapor point, an 8-in. diameter concrete core was completed over the existing 4-in. core to allow for the installation of a 4-in. diameter H2O-rated manhole cover. The soil boring was backfilled with drill cuttings to 5-ft bgs. Stainless steel soil vapor points (6-in. screen length) were installed from 4.5 to 5 ft bgs as determined by EA and the NYSDEC representative. Teflon lined polyethylene tubing (1/8 -in. by 1/4 -in.) was connected to the stainless steel vapor probe and extended to the ground surface. A 1-ft filter pack consisting of glass beads was placed around the annulus of the vapor probe. A 6-inch gravel pack was placed on top of the glass beads and the remaining annulus was backfilled with hydrated bentonite chips. Following hydration of the bentonite chips, the 4-in. manhole cover was installed. Twenty-four hours (hr) after installation, the vapor points were leak tested using medical-grade helium as a tracer gas, and no deficiencies were noted.

Vapor/Air Sampling

In order to minimize the potential for interference of vapor samples, the SVE system was shut down on Monday, 8 February 2016, one day prior to drilling and a week before vapor sampling was conducted on Tuesday, 16 February 2016. EA obtained 5 soil vapor samples and 2 indoor air samples from 8 a.m. to 4 p.m. Samples were collected using a 6-liter Summa® canister paired with an 8-hr flow regulator. EA shipped all vapor/air samples to the offsite analytical laboratory (Eurofins Air Toxics) for TO-15 analysis.

Prior to sampling, the canisters were individually certified clean in accordance with EPA Method TO-15, and under a vacuum pressure of no more than -30 in. of mercury. The sample containers were regulated for an 8-hr sample collection, which equates to a flow rate of 10.4 milliliters per minute, set by Eurofins prior to shipping. Immediately prior to sample collection, the vacuum for the Summa canister was verified with a hand-held pressure gauge to assess for tightness during transit from the laboratory to the field.

To collect the vapor samples, the laboratory-supplied flow controllers were connected to the top of the Summa canisters using Swagelok connections. Soil vapor samples were collected from the monitoring points by connecting the Teflon tubing installed in the point to the intake of the flow regulator using Swagelok connections. Indoor air samples were collected from 2 locations within the building and placed at breathing height (approximately 3-5 ft above the ground).

Sample collection began the morning of 16 February 2016. The starting date, time and initial pressure of each canister were recorded. Canisters were checked periodically throughout the 8-hr sampling to monitor the pressure inside the canisters to ensure the pressure did not drop below the desired ending pressure of -5 in. mercury. Summa canister collection was completed when the pressure gauge indicates that the interior canister pressure has reached -5 in. mercury, even in the event that the full 8-hr collection period has not been reached.

Two confirmatory indoor air samples were collected, in the same locations as previously sampled, between 8 a.m. and 4 p.m. on 9 March 2016 after the SVE system had been restarted. **Figure 3** shows the indoor air and vapor point sampling locations.

LABORATORY ANALYSIS

Soil Samples

A total of 15 subsurface soil samples and 3 rinsate blanks were sent to the offsite laboratory (Hampton-Clarke Veritech) for target compound list VOCs by EPA Method 8260B. Samples were packed into coolers with wet ice and bubble wrapped to prevent bottle breakage, and shipped to the lab via first overnight shipping.

The laboratory data was uploaded into EQuIS and is presented in **Table 1**. The full laboratory report is included in **Attachment C**.

Vapor/Air Samples

All samples (5 vapor point, 2 indoor air, and 2 confirmation samples) were sent by EA to the offsite laboratory (Eurofins Air Toxics), and analyzed for Total VOCs by EPA Method TO-15. Vapor sample containers were placed back into the originating boxes, and secured for transport to the laboratory via overnight delivery. The laboratory data was uploaded into EQuIS and is presented in **Table 2**. The full laboratory reports from the initial and confirmatory sampling are included in **Attachment C**.

RESULTS

Soil Borings / Vapor Points Installation

Soil recovered during the advancement of the soil borings was typically a light brown, medium to fine grained sand with rounded pebbles. The soil was dry with low plasticity. Borings advanced on the eastern side of the building contained some brown silty sand, which was dry with low plasticity from approximately 2-5 ft. bgs. In soil boring ISB-15, the eastern most boring in 1 Adams Boulevard, brown silty sand was found from 2 to 5 ft bgs followed by grey silt with few rounded pebbles from 5 to 6 ft bgs. The silt was damp with moderate plasticity. Based on the 15 soil borings, it can be concluded that the predominant soil type is a clean sand with Unified Soil Classification System classification of SW. The complete set of soil boring logs is included in **Attachment B**.

The surveyed locations of the vapor points and soil borings have been uploaded into EQuIS and a summary table is presented in **Table 3**. **Figure 4** shows the building map generated by MJ Engineering.

Soil Sampling

Soil samples collected from the 15 soil borings were analyzed by Hampton-Clarke Veritech for target compound list VOCs using EPA Method 8260B. The contaminants of concerns (COCs) include *cis*-1,2-dichloroethene (DCE), tetrachloroethene (PCE), trichloroethene (TCE), and vinyl chloride. PCE was detected in 11 of the 15 samples ranging from 0.0022 milligrams per kilograms (mg/kg) (ISB-2) to 0.26 mg/kg (ISB-13), all below NYSDEC Unrestricted Use (UU) Soil Cleanup Objectives (SCOs) of 1.3 mg/kg[1]. TCE was detected in 5 of the 15 soil samples ranging from 0.0024 mg/kg (ISB-4) to 0.0087 mg/kg (ISB-11), below the NYSDEC UU SCO of 0.47 mg/kg. Samples from ISB-4, ISB-12, and ISB-14 had detections of DCE ranging from 0.0029 mg/kg (ISB-14) to 0.031 mg/kg (ISB-12), also below the NYSDEC UU SCO of 0.25 mg/kg. Vinyl chloride was not detected in any of the soil samples. **Table 1** and **Figure 5** show the results of the soil sampling. Laboratory reports are included in **Attachment C**.

Vapor/Air Sampling

Vapor samples collected from the 5 vapor points and 2 indoor air locations (plus 2 confirmation samples) were analyzed by Eurofins Air Toxics using EPA Method TO-15. All sub-slab vapor point samples had detections of the primary COCs. PCE was detected in all 5 sub-slab samples ranging from 4,600 micrograms per cubic meter of air (µg/m^3) (VP-19) to 36,000 µg/m^3 (VP-16), with exceedances of the New York State Department of Health (NYSDOH) Air Guideline Values[2] for PCE (30 µg/m^3) in all 5 samples. TCE concentrations exceeded NYSDOH standards in 4 of the 5 sub-slab samples, ranging from 24 µg/m^3 (VP-19) to 200 µg/m^3 (VP-18). PCE was the only COC detected in one of the initial indoor air samples (IA-01) with a concentration of 6.4 µg/m^3, below the NYSDOH guidance standard of 30 µg/m^3. IA-01 was collected in close proximity to VP-18, which had the second highest detection of PCE. IA-02 was collected on the

[1] NYSDEC DER 6 NYCRR Part 371 Environmental Remediation Programs. December 2006. Unrestricted Use and Commercial Use Soil Cleanup Objectives
[2] NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York. August 2015.

northwest side of the building near VP-17 and had no detections of COCs. Confirmation samples collected at the same locations for IA-01 and IA-02 showed no detections of the contaminants of concern suggesting that, within the zone of influence, the SVE system may reduce contamination from entering the indoor air while it is operating. **Table 2** and **Figure 6** show the results of the vapor sampling. **Figure 7** provides an illustration of soil vapor iso-concentrations based on laboratory data and PID screening results. Laboratory reports are included in **Attachment C**.

CONCLUSIONS & RECOMMENDATIONS

The soil, soil vapor and indoor air sampling revealed that VOC contamination extends further than initially anticipated and beyond the zone of influence of the current SVE system. The detection of PCE in one of the indoor air samples also suggests that soil vapor may have the potential to migrate into the breathing space when the SVE system is off or in areas not affected by the existing system.

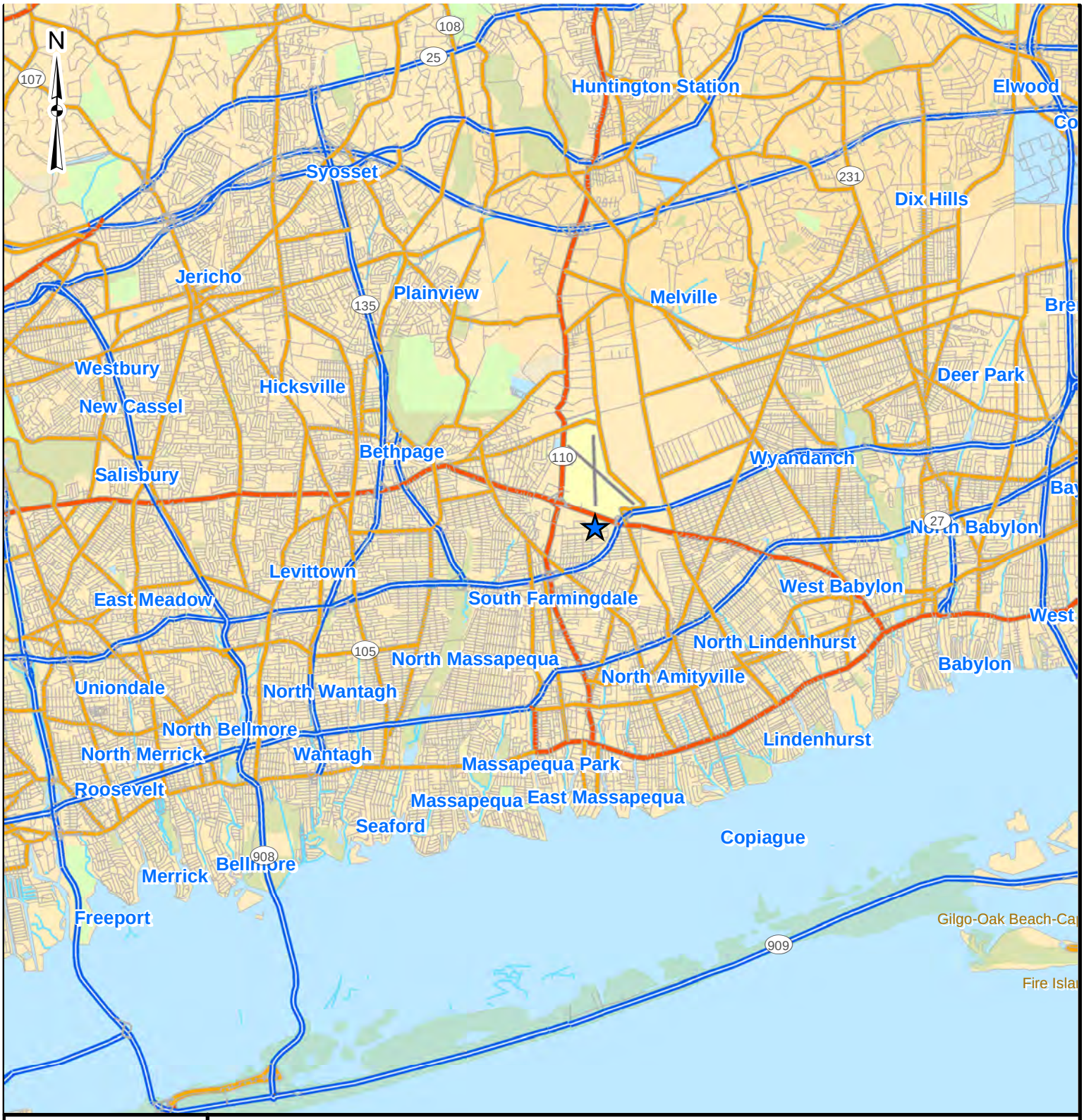
EA recommends increasing the length of the three originally proposed horizontal SVE wells, in additional to installing a fourth horizontal SVE well to provide a more complete soil vapor capture zone. The increased length and additional well is intended to address VOC concentrations which extend to the east, south and west of the current SVE system. **Figure 8** shows a cross section of soil underneath the building, and **Figure 9** shows a proposed layout of the additional horizontal wells for the SVE system.

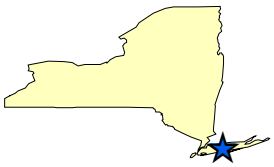
If you have any questions or require additional information, please do not hesitate to contact James Hayward at 315-565-6555.

JH/dml

cc: S. Edwards (NYSDEC)
R. Casey (EA)
D. Conan (EA)

Figures





LEGEND

★ Site Location

0 1 2 4 Miles

1 inch = 2 miles

Source: StreetMap USA

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NATIONAL HEATSET SITE (152140)
1 ADAMS BLVD - TECHNICAL MEMO
BABYLON, NEW YORK
SUFFOLK COUNTY

FIGURE 1
Site Location Map

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
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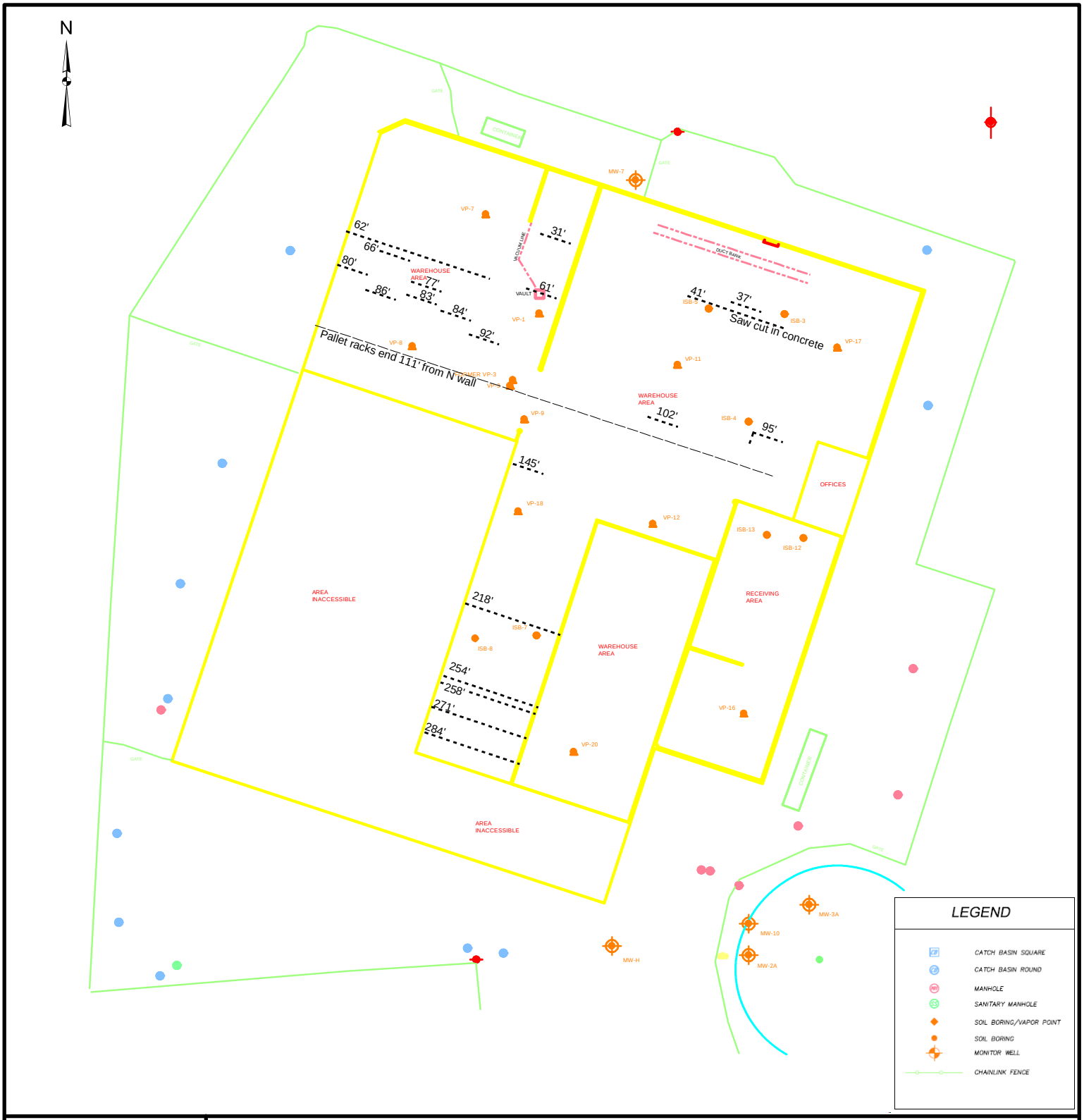

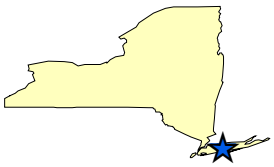

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0 20 40 80 Feet

Detected subsurface utility/anomaly

End of pallet racks

Distances measured from North wall of building

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SUFFOLK COUNTY

FIGURE 2
Geophysical Survey

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
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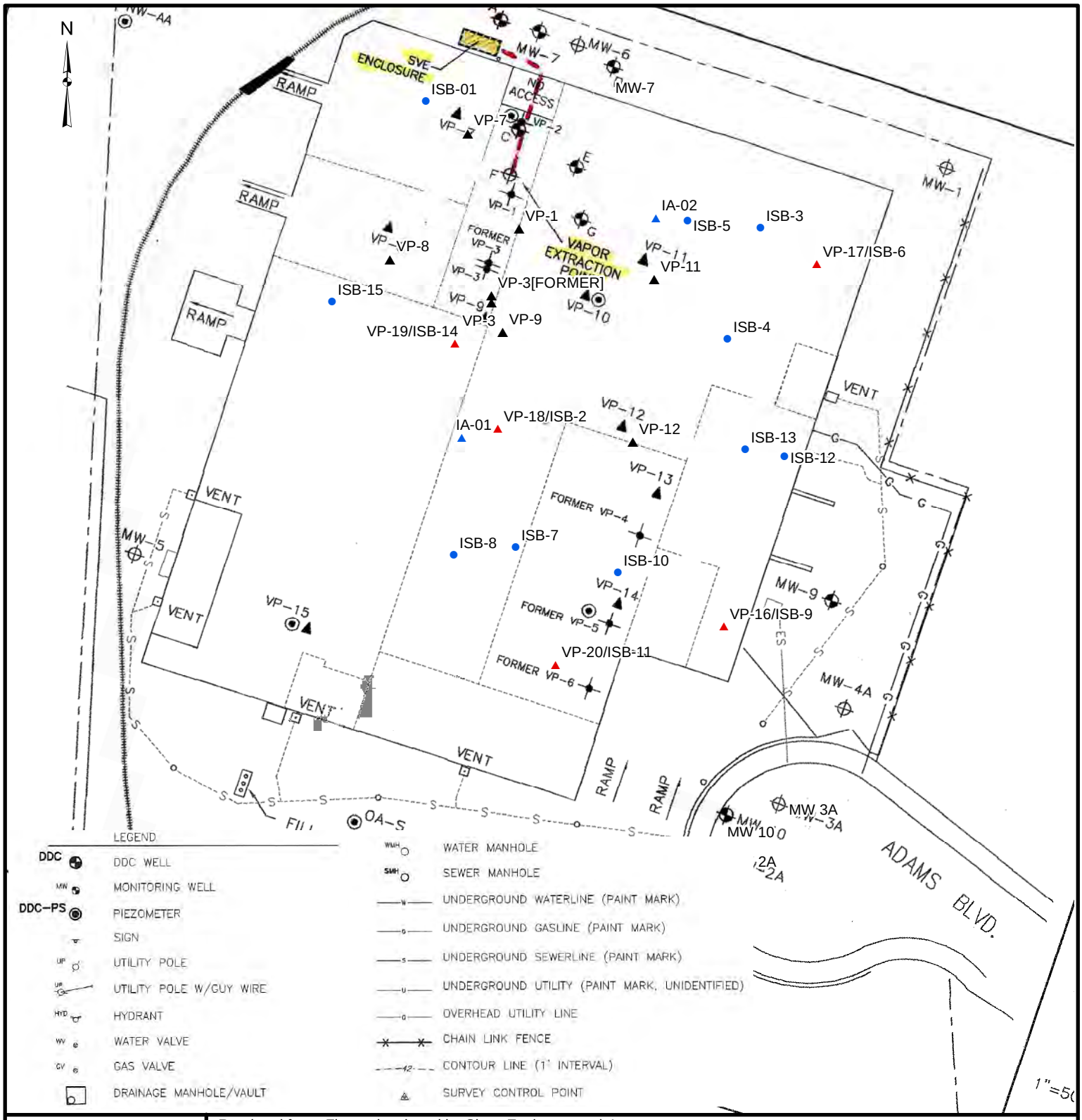

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0 20 40 80 Feet

- Indoor Air
- Indoor Soil Boring
- Vapor Point
- Vapor Point/Indoor Soil Boring

Note:
PCE = Tetrachloroethene
TCE = Trichloroethene
DCE = cis-1,2 dichloroethene
VC = Vinyl chloride

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SUFFOLK COUNTY

FIGURE 3
Sub-slab Soil &
Soil Vapor Results

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
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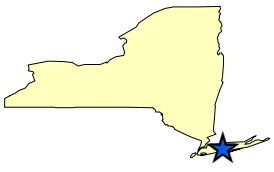

Building layout and survey figure generated by MJ Engineering

Building footprint

On-site system trailers

0 20 40 80 Feet

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NATIONAL HEATSET SITE (152140)
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FIGURE 4
Survey Figure
MJ Engineering

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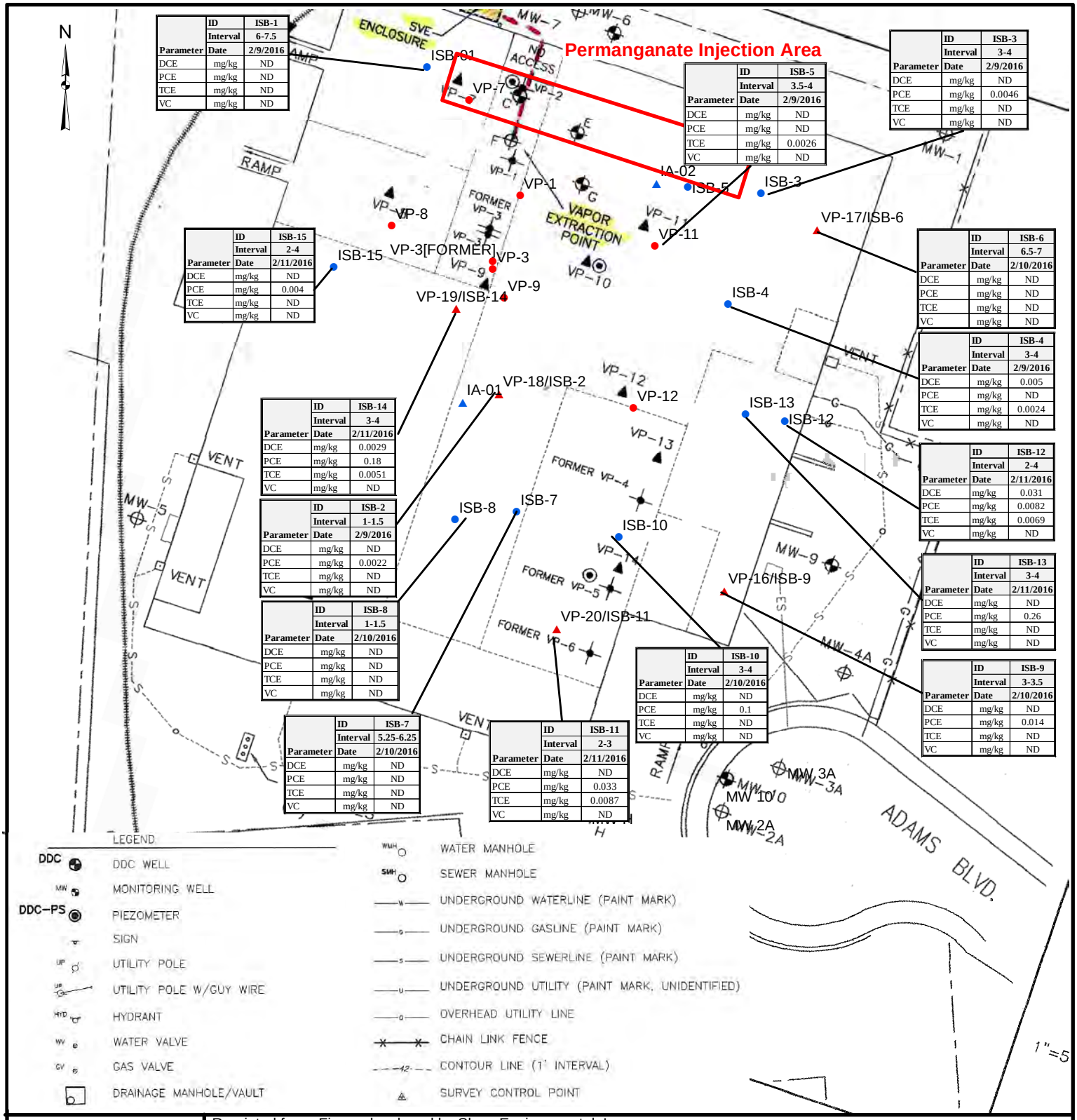
JCH	EGC	EGC	JCH	AS SHOWN	MAY 2016	14907.16	GIS/PROJECTS/ FIGURE5A.MXD



Parameter	ID	ISB-1
	Interval	6-7.5
	Date	2/9/2016
DCE	mg/kg	ND
PCE	mg/kg	ND
TCE	mg/kg	ND
VC	mg/kg	ND

Parameter	ID	ISB-5
	Interval	3.5-4
	Date	2/9/2016
DCE	mg/kg	ND
PCE	mg/kg	ND
TCE	mg/kg	0.0026
VC	mg/kg	ND

Parameter	ID	ISB-3
	Interval	3-4
	Date	2/9/2016
DCE	mg/kg	ND
PCE	mg/kg	0.0046
TCE	mg/kg	ND
VC	mg/kg	ND

Parameter	ID	ISB-15
	Interval	2-4
	Date	2/11/2016
DCE	mg/kg	ND
PCE	mg/kg	0.004
TCE	mg/kg	ND
VC	mg/kg	ND

Parameter	ID	ISB-6
	Interval	6.5-7
	Date	2/10/2016
DCE	mg/kg	ND
PCE	mg/kg	ND
TCE	mg/kg	ND
VC	mg/kg	ND

Parameter	ID	ISB-4
	Interval	3-4
	Date	2/9/2016
DCE	mg/kg	0.005
PCE	mg/kg	ND
TCE	mg/kg	0.0024
VC	mg/kg	ND

Parameter	ID	ISB-14
	Interval	3-4
	Date	2/11/2016
DCE	mg/kg	0.0029
PCE	mg/kg	0.18
TCE	mg/kg	0.0051
VC	mg/kg	ND

Parameter	ID	ISB-12
	Interval	2-4
	Date	2/11/2016
DCE	mg/kg	0.031
PCE	mg/kg	0.0082
TCE	mg/kg	0.0069
VC	mg/kg	ND

Parameter	ID	ISB-2
	Interval	1-1.5
	Date	2/9/2016
DCE	mg/kg	ND
PCE	mg/kg	0.0022
TCE	mg/kg	ND
VC	mg/kg	ND

Parameter	ID	ISB-13
	Interval	3-4
	Date	2/11/2016
DCE	mg/kg	ND
PCE	mg/kg	0.26
TCE	mg/kg	ND
VC	mg/kg	ND

Parameter	ID	ISB-8
	Interval	1-1.5
	Date	2/10/2016
DCE	mg/kg	ND
PCE	mg/kg	ND
TCE	mg/kg	ND
VC	mg/kg	ND

Parameter	ID	ISB-10
	Interval	3-4
	Date	2/10/2016
DCE	mg/kg	ND
PCE	mg/kg	0.1
TCE	mg/kg	ND
VC	mg/kg	ND

Parameter	ID	ISB-9
	Interval	3-3.5
	Date	2/10/2016
DCE	mg/kg	ND
PCE	mg/kg	0.014
TCE	mg/kg	ND
VC	mg/kg	ND

Parameter	ID	ISB-7
	Interval	5.25-6.25
	Date	2/10/2016
DCE	mg/kg	ND
PCE	mg/kg	ND
TCE	mg/kg	ND
VC	mg/kg	ND

Parameter	ID	ISB-11
	Interval	2-3
	Date	2/11/2016
DCE	mg/kg	ND
PCE	mg/kg	0.033
TCE	mg/kg	0.0087
VC	mg/kg	ND

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0 20 40 80 Feet

- Indoor Air
- Indoor Soil Boring
- Vapor Point
- Vapor Point/Indoor Soil Boring

Note:
PCE = Tetrachloroethene
TCE = Trichloroethene
DCE = cis-1,2 dichloroethene
VC = Vinyl chloride

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NATIONAL HEATSET SITE (152140)
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FIGURE 5
Sub-slab Soil &
Soil Vapor Results

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
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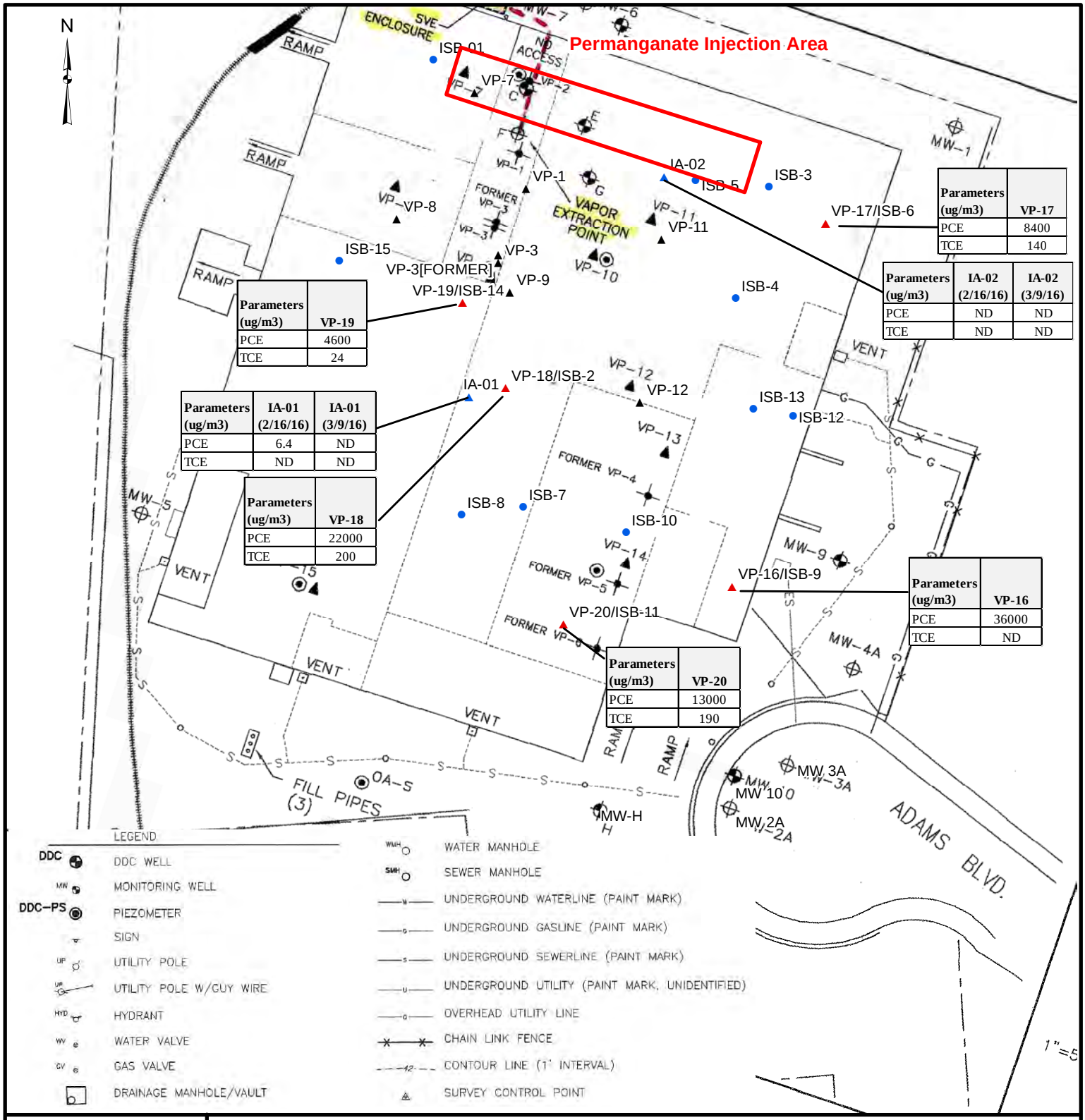

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0 20 40 80 Feet

- Indoor Air
- Indoor Soil Boring
- Vapor Point
- Vapor Point/Indoor Soil Boring

Note:
PCE = Tetrachloroethene
TCE = Trichloroethene
cis-1,2 dichloroethene and vinyl chloride were not detected in indoor air or soil vapor samples.

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NATIONAL HEATSET SITE (152140)
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FIGURE 6
Soil Vapor / Indoor Air
Sampling Results

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
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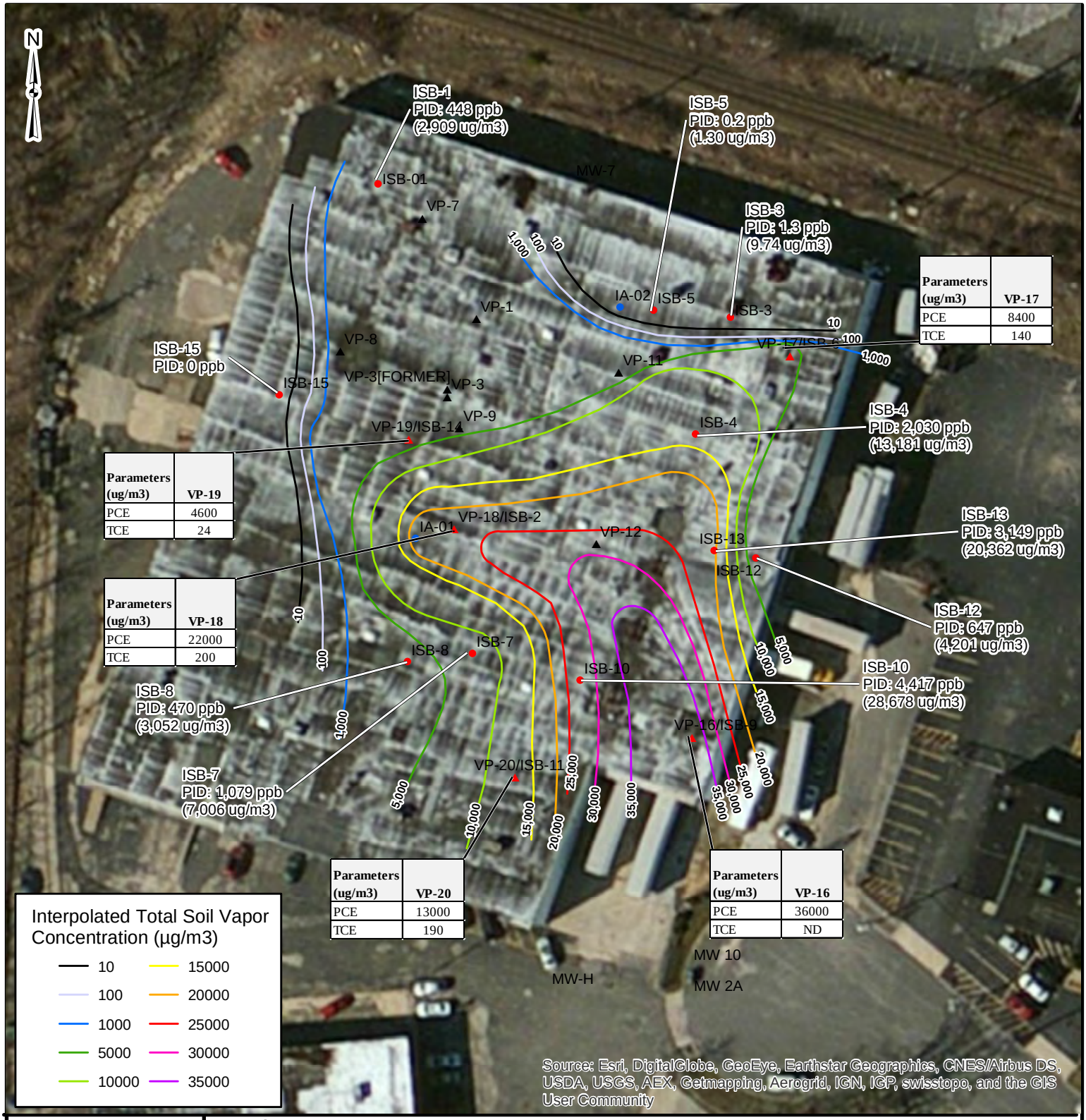

Legend

- Indoor Air
- Existing Vapor Point
- Soil Boring
- Soil Boring / Vapor Point

ISB-X	Soil Boring
PID: XXX ppb	Highest PID reading
(XXX ug/m3)	Interpreted total soil vapor concentration

0 25 50 100 Feet

Note: Soil vapor concentrations based on February 2016 soil vapor analytical results. Interpreted concentrations based on photoionization detector (PID) readings detected during February 2016 soil boring installation.

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NATIONAL HEATSET SITE (152140)
1 ADAMS BLVD - SAMPLING & DELINEATION MEMO
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FIGURE 7
Soil Vapor Concentrations and Isopleths

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
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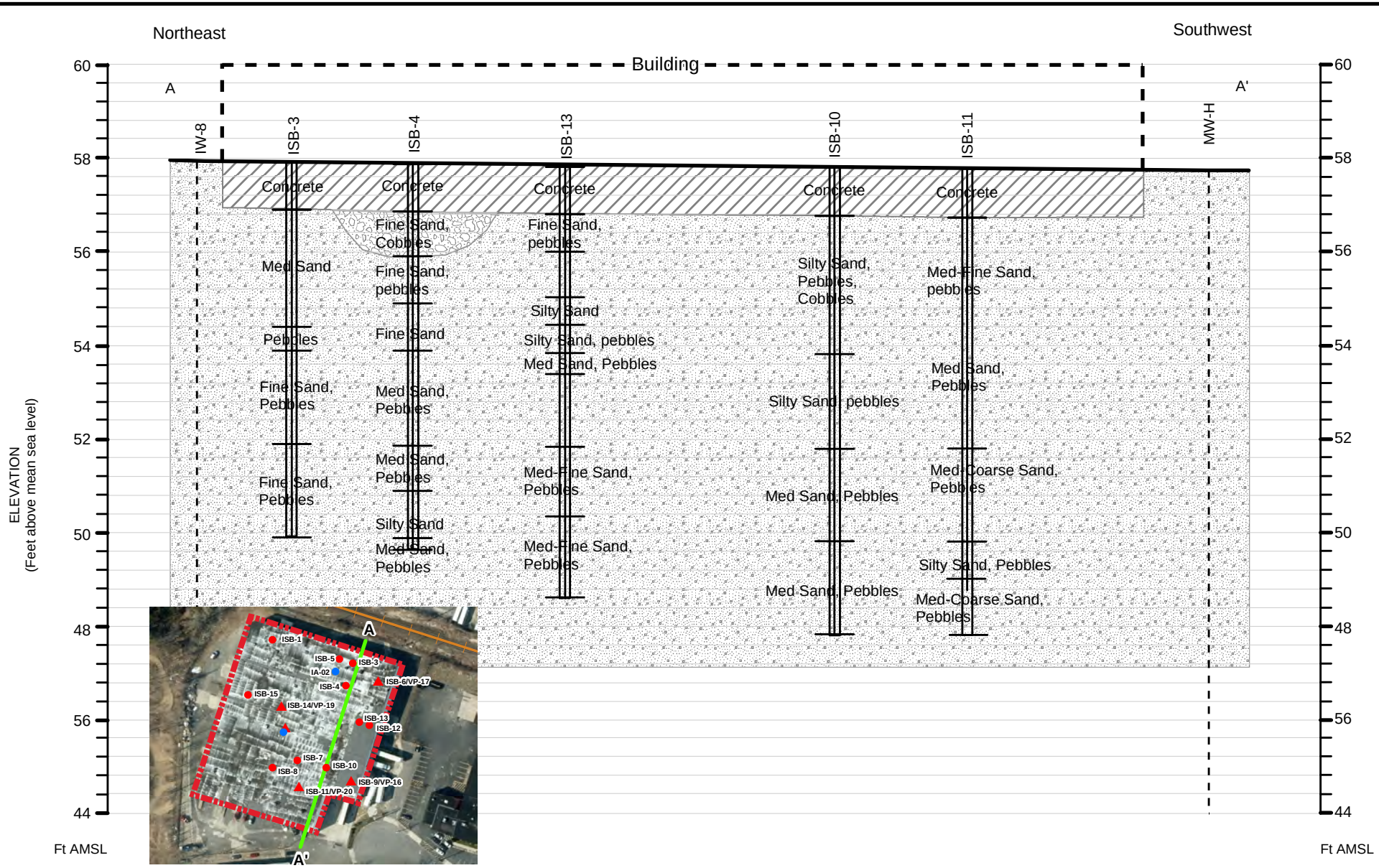


Legend

- Concrete
- Medium-Fine Sand with Pebbles and Cobbles
- Medium-Fine Sand with Pebbles

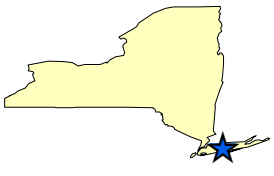
0 12.5 25 50 75 100 Feet

1 in = 50 ft

NATIONAL HEATSET SITE (152140)
1 ADAMS BLVD -TECHNICAL MEMO
SUFFOLK COUNTY
BABYLON, NEW YORK

FIGURE 8
Building Cross Section
Northeast-Southwest

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
JCH	ALK	ALK	JCH	AS SHOWN	MAY 2016	14907.16	GIS/PROJECTS/FIGUREX



Reprinted from: Figure developed by Shaw Environmental, Inc.
and adapted by O'Brien & Gere Engineers, Inc. & EA Engineering, PC

0 25 50 100 Feet

Screened pipe: Horizontal SVE well

Riser pipe: 5/1 Drilling Angle required to get to target depth of 6ft bgs

Estimated extent of SVE influence approx. 25ft radius around horizontal well.

NEW YORK STATE OF OPPORTUNITY Department of Environmental Conservation

NATIONAL HEATSET SITE (152140)
1 ADAMS BLVD - SAMPLING &
DELINEATION MEMO
BABYLON, NEW YORK
SUFFOLK COUNTY

FIGURE 9
Proposed Horizontal Wells
SVE System

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
JCH	EGC	EGC	JCH	AS SHOWN	APRIL 2016	14907.16	GIS/PROJECTS/ FIGURE5A.MXD

Tables

Table 1 Summary of VOCs Detected in Sub-Slab Soil Samples February 2016

COC Parameters List EPA Method List 8260B	Soil Boring ID	ISB-1	ISB-2	ISB-3	ISB-4	ISB-5	NYSDEC UU SCOs	NYSDEC Commercial SCOs
	Sample Interval	6-7.5	1-1.5	3-4	3-4	3.5-4		
	Sample Date	2/9/2016	2/9/2016	2/9/2016	2/9/2016	2/9/2016		
cis-1,2-dichloroethene	mg/kg	ND	ND	ND	0.005	ND	0.25	500
Tetrachloroethene	mg/kg	ND	0.0022	0.0046	ND	ND	1.3	150
Trichloroethylene	mg/kg	ND	ND	ND	0.0024	0.0026	0.47	200
Vinyl Chloride	mg/kg	ND	ND	ND	ND	ND	0.02	13
COC Parameters List EPA Method List 8260B	**Soil Boring ID**	**ISB-6**	**ISB-7**	**ISB-8**	**ISB-9**	**ISB-10**	**NYSDEC UU SCOs**	**NYSDEC Commercial SCOs**
	Sample Interval	**6.5-7**	**5.25-6.25**	**1-1.5**	**3-3.5**	**3-4**		
	Sample Date	**2/10/2016**	**2/10/2016**	**2/10/2016**	**2/10/2016**	**2/10/2016**		
cis-1,2-dichloroethene	mg/kg	ND	ND	ND	ND	ND	0.25	500
Tetrachloroethene	mg/kg	ND	ND	ND	0.014	0.1	1.3	150
Trichloroethylene	mg/kg	ND	ND	ND	ND	ND	0.47	200
Vinyl Chloride	mg/kg	ND	ND	ND	ND	ND	0.02	13
COC Parameters List EPA Method List 8260B	**Soil Boring ID**	**ISB-11**	**ISB-12**	**ISB-13**	**ISB-14**	**ISB-15**	**NYSDEC UU SCOs**	**NYSDEC Commercial SCOs**
	Sample Interval	**2-3**	**2-4**	**3-4**	**3-4**	**2-4**		
	Sample Date	**2/11/2016**	**2/11/2016**	**2/11/2016**	**2/11/2016**	**2/11/2016**		
cis-1,2-dichloroethene	mg/kg	ND	0.031	ND	0.0029	ND	0.25	500
Tetrachloroethene	mg/kg	0.033	0.0082	0.26	0.18	0.004	1.3	150
Trichloroethylene	mg/kg	0.0087	0.0069	ND	0.0051	ND	0.47	200
Vinyl Chloride	mg/kg	ND	ND	ND	ND	ND	0.02	13

(a) NYSDEC DER 6 NYCRR Part 371 Environmental Remediation Programs. December 2006.

Unrestricted Use and Commercial Use Soil Cleanup Objectives

NOTE:

ND = Not Detected

NYSDEC =New York State Department of Environmental Conservation

Bold values indicate that the analyte was detected greater than the guidance value

Sample intervals are measured in feet below ground surface

Table includes only those volatile organic compounds of concern at the National Heatset Printing Site.

Analytical data results obtained by Hampton-Clarke Veritech using EPA Method 8260B.

Table 2 Summary of VOCs Detected in Indoor Air and Soil Vapor Samples February 2016

Parameters List EPA Method List TO-15	Vapor Sample ID	VP-16	VP-17	VP-18	VP-19	VP-20	IA-01	IA-02	NYSDOH Air Guideline Values [a]
	Sample Interval	8 hrs	8 hrs	8 hrs	8 hrs	8 hrs	8 hrs	8 hrs	
	Sample Date	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	2/16/2016	
	Sample Type	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Indoor Air	Indoor Air	
cis-1,2-dichloroethene	µg/m3	ND	ND	ND	ND	ND	ND	ND	--
Tetrachloroethene	µg/m3	**36000**	**8400**	**22000**	**4600**	**13000**	6.4	ND	30
Trichloroethylene	µg/m3	ND	**140**	**200**	**24**	**190**	ND	ND	2
Vinyl Chloride	µg/m3	ND	ND	ND	ND	ND	ND	ND	--

Parameters List EPA Method List 860B	Vapor Sample ID	IA-01	IA-02	NYSDOH Air Guideline Values [a]
	Sample Interval	8 hrs	8 hrs	
	Sample Date	3/9/2016	3/9/2016	
	Sample Type	8 hrs	8 hrs	
cis-1,2-dichloroethene	µg/m3	ND	ND	--
Tetrachloroethene	µg/m3	ND	ND	30
Trichloroethylene	µg/m3	ND	ND	2
Vinyl Chloride	µg/m3	ND	ND	--

(a) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York. August 2015. Table 3.1 Air guideline values derived by the NYSDOH.

NOTE:

ND = Not Detected

NYSDOH =New York State Department of Health

-- =Not available

Bold values indicate that the analyte was detected greater than the guidance value

Lab results for Vapor Sample ID VP-15 represented as VP-20 in the table

Analytical data results obtained by Eurofins Air Toxics using EPA Method TO-15

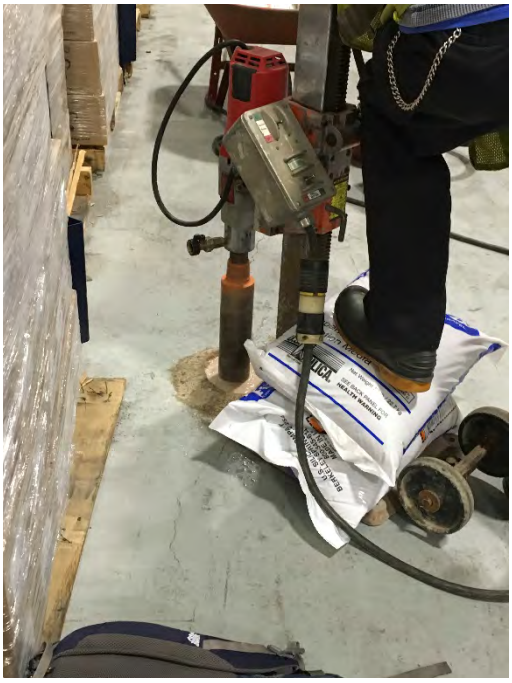
All concentrations reported in micrograms per cubic meter ($\mu g/m^3$).

Table 3 Survey Data

DESCRIPTON	TYPE	LATTITUDE	LONGITUDE	NORTHING	EASTING	ELEVATION
MW 2A	MW	40.71731172	-73.41337874	201157.0249	1146865.375	57.377
MW 10	MW	40.71735172	-73.41337874	201171.5977	1146865.277	57.08
MW 3A	MW	40.71738172	-73.41326874	201182.7315	1146895.696	56.982
MW-7	MW	40.71836172	-73.41356874	201539.2105	1146810.145	57.88
MW-H	MW	40.71732172	-73.41361874	201160.2224	1146798.822	56.765
VP-1	VP	40.71818172	-73.41373874	201473.3172	1146763.461	58.335
VP-3	VP	40.71808172	-73.41378874	201436.7921	1146749.845	58.113
VP-3[FORMER]	VP	40.71809172	-73.41378874	201440.4354	1146749.82	58.133
VP-7	VP	40.71831172	-73.41382874	201520.512	1146738.196	58.282
VP-8	VP	40.71814172	-73.41396874	201458.3176	1146699.802	58.219
VP-9	VP	40.71804172	-73.41376874	201422.2563	1146755.486	58.272
VP-11	VP	40.71811172	-73.41349874	201448.2599	1146830.159	58.301
VP-12	VP	40.71789172	-73.41353874	201368.0346	1146819.608	58.338
VP-16/ISB-9	VP/ISB	40.71764172	-73.41337874	201277.251	1146864.57	58.325
VP-17/ISB-6	VP/ISB	40.71813172	-73.41320874	201456.0847	1146910.498	58.308
VP-18/ISB-2	VP/ISB	40.71791172	-73.41377874	201374.8758	1146753.031	58.268
VP-20/ISB-11	VP/ISB	40.71759172	-73.41367874	201258.4781	1146781.531	58.322
ISB-3	ISB	40.71818172	-73.41330874	201474.1151	1146882.656	58.353
ISB-4	ISB	40.71803172	-73.41336874	201419.3554	1146866.39	58.353
ISB-5	ISB	40.71819172	-73.41343874	201477.517	1146846.596	58.387
ISB-7	ISB	40.71775172	-73.41374874	201316.6401	1146761.737	58.332
ISB-8	ISB	40.71774172	-73.41385874	201312.7926	1146731.27	58.35
ISB-12	ISB	40.71787172	-73.41326874	201361.2496	1146894.5	58.384
ISB-13	ISB	40.71788172	-73.41333874	201364.7627	1146875.072	58.35
VP-19/ISB-14	VP/ISB	40.71802754	-73.41385439	201416.9301	1146731.777	0
ISB-15	ISB	40.71808579	-73.41407248	201437.7491	1146671.183	0
ISB-10	ISB	40.71771599	-73.41356668	201303.9599	1146812.292	0
IA-01	IA	40.71790019	-73.41384372	201370.554	1146735.048	0
IA-02	IA	40.71819587	-73.41349503	201478.9255	1146830.984	0
ISB-01	ISB	40.71835647	-73.41390329	201536.6759	1146717.423	0

Note: ISB = Indoor soil boring MW = Monitoring well
VP = Vapor point IA = Indoor air

Attachment A
Photographs



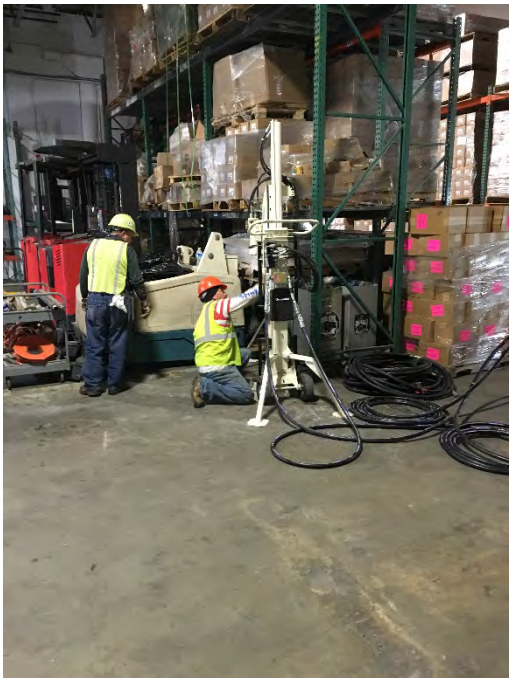
Concrete coring at ISB-01

Geoprobe drilling at ISB-01

1-4 ft bgs soil sample from ISB-01

1-4 ft bgs soil sample from ISB-02

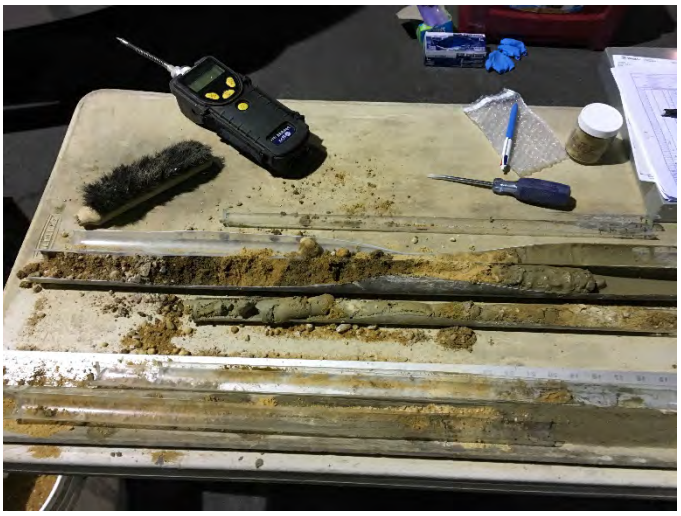
1-4 ft bgs soil sample from ISB-7



Geoprobe drilling at ISB-09/VP-16

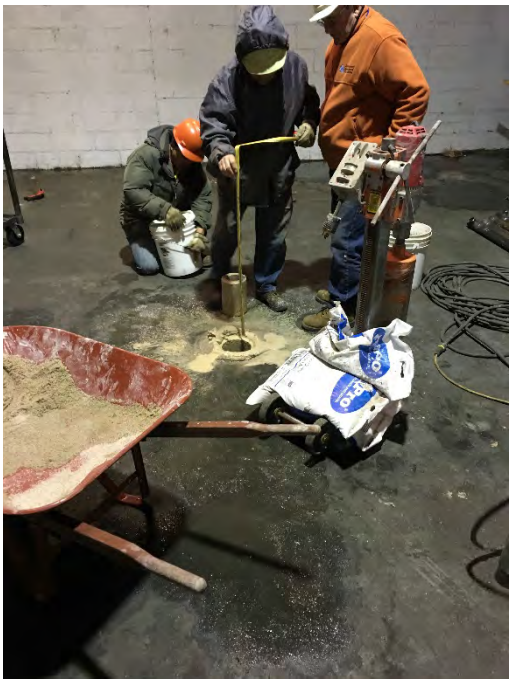
1-4 ft bgs soil sample from ISB-11

1-4 ft and 4-6 ft bgs soil samples from ISB-14



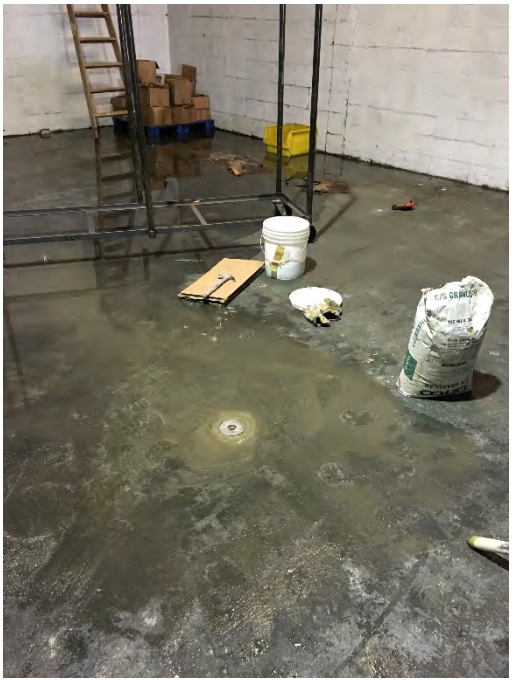
1-4 ft bgs soil sample from ISB-15

Vapor point tubing prior to installation

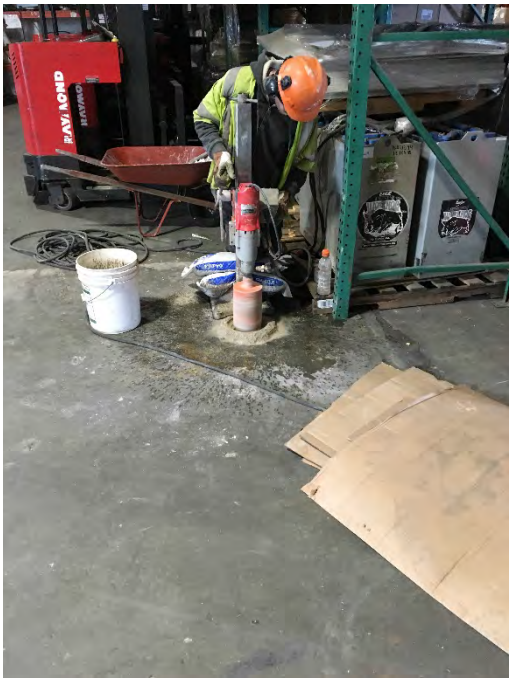


Installing vapor point VP-19 at ISB-14

Setting 4” vault at ISB-14



Finished VP-19 (ISB-14)



Concrete coring for vapor point install

Example of abandoned soil boring

Attachment B
Soil Boring Logs

EA Engineering, P.C.
EA Science and Technology

LOG OF SOIL BORING

Coordinates: Northing _____ Easting: _____
Surface Elevation: _____
Casing Below Surface: _____
Reference Elevation: _____
Reference Description: _____

Job. No.	Client:	Location:
14907.16	NYSDEC	Farmingdale, NY
	Project: National Heatset Printing	

Drilling Method: Geoprobe 2ft macrocores
Soil Boring Number: 1SB-1
Sampling Method: Grab
Sheet 1 of 1

					Drilling Start	Drilling Finish
Water Level:						
Time:					DATE: 2/9/16	DATE: 2/9/16
Date:					TIME: 09:15	TIME: 10:30

Surface Conditions: Concrete Slab
Weather: Indoors
Temperature: 70 F

Blow Counts (140-lb)	Ft. Driven/ Ft. Recvrd	Boring Diagram	PID (ppb)	Depth in Feet	USCS Log	
Not Applicable	1		0	1		0-1: concrete
	2.5/4		104	2	SW	1-4: light brown, medium- fine grained sand, some rounded pebbles-cobbles - ~3ft-104 ppb
			0	3		
			9	4		
	1.75/2		0	5	SW SW	4 - 4.5 (9 ppb): brown medium-fine sand, and rounded pebbles, little silt (clamp) 4.5-6: light brown medium sand and rounded pebbles, dry (0 ppb)
			0	6		
	2/2		448	7	SW	6-7.5: light brown medium-coarse sand and rounded pebbles, dry
			400	8	ML SW	7.5 - 8: light grey silt, few small, rounded pebbles/cobbles, damp 8-8.25 brown medium sand and rounded pebbles damp
	1.75/2		0	9	SW	8.25-8.5: light grey silt, tightly packed, few rounded pebbles/cobbles, damp 8.5-9: light brown medium-fine sand, some rounded pebbles, damp
			0	10		
				11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
				19		
				20		
				21		
				22		
				23		
				24		
				25		
				26		
				27		
				28		
				29		
				30		

Monitoring Well Construction Information

Monitoring Well Diameter: _____ in
Bottom of Monitoring Well: _____ ft bgs
Stick Up or Flush Mount: _____
Screen Interval: _____ To _____ ft bgs
Riser Interval: _____ To _____ ft bgs
Sand Pack Interval: _____ To _____ ft bgs
Bentonite Seal: _____ To _____ ft bgs
Grout Interval: _____ To _____ ft bgs

Sample Information

2/5 mins to core
sample at 10-24
152140-ISB-1-6-7.5

(808 ppb in borehole immediately following drilling)

Logged by: Emily Cummings
Date: 2/9/16
Drilling Contractor: Clearwater Drilling
Driller: Bruce

EA Engineering, P.C.
EA Science and Technology

LOG OF SOIL BORING

Coordinates: Northing _____ Easting: _____
Surface Elevation: _____
Casing Below Surface: _____
Reference Elevation: _____
Reference Description: _____

Job. No.	Client:	NYSDEC	Location:
14907.16	Project:	National Heatset Printing	Farmingdale, NY

Drilling Method: Geoprobe - 2ft macrocore
Soil Boring Number: 1SB-2
Sampling Method: Grab
Sheet 1 of 1

					Drilling	
Water Level:					**Start**	**Finish**
Time:					DATE: 2/9/16	DATE: 2/9/16
Date:					TIME: 11:00	TIME: 12:00

Surface Conditions: Concrete Slab
Weather: Indoors
Temperature: 70F

Blow Counts (140-lb)	Ft. Driven/ Ft. Recvrd	Boring Diagram	PID (ppb)	Depth in Feet	USCS Log	
Not Applicable	1/1		0			0-1: concrete
				1	SW	1-1.25: brown medium-fine sand with rounded pebbles; damp asphalt at 1.25 ft bgs
	2.5/3		3411		SW	1.25-2.5: light brown fine sand, few rounded pebbles, dry, loose
				2		
			1517		SW/ML	2.5-4: brown fine silty sand, rounded cobbles, tight damp
				3		
			1664			
				4	SW	4-4.25: brown medium-fine sand, damp
	2/2		912		SW	4.25- 6: light brown medium sand w/ rounded pebbles and cobbles, dry and loose
				5		
			496			
				6	SW	6 - 6.25: light brown medium-fine sand; some rounded pebbles, damp
	2/2		564		SW	6.25 - 8: light brown medium-coarse sand and rounded cobbles/pebbles
				7		
			1229			
				8	SW	8-10: light brown medium-fine sand and rounded pebbles
	2/2		1023			
				9		
			235			
				10		
				11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
				19		
				20		
				21		
				22		
				23		
				24		
				25		
				26		
				27		
				28		
				29		
				30		

Monitoring Well Construction Information

Monitoring Well Diameter: _____ in
Bottom of Monitoring Well: _____ ft bgs
Stick Up or Flush Mount: _____
Screen Interval: _____ To _____ ft bgs
Riser Interval: _____ To _____ ft bgs
Sand Pack Interval: _____ To _____ ft bgs
Bentonite Seal: _____ To _____ ft bgs
Grout Interval: _____ To _____ ft bgs

Sample Information

~612ppb ambient air
152140- ISB-2-1-1.5
at 1200
~2 ppm downhole immediately following drilling: 4.2 ppm @1305

Logged by: Emily Cummings Date: 2/9/16
Drilling Contractor: Clearwater Drilling Driller: Bruce

EA Engineering, P.C.
EA Science and Technology

LOG OF SOIL BORING

Coordinates: Northing _____ Easting: _____
Surface Elevation: _____
Casing Below Surface: _____
Reference Elevation: _____
Reference Description: _____

Job. No.	Client:	NYSDEC	Location:
14907.16	Project:	National Heatset Printing	Farmingdale, NY

Drilling Method: Geoprobe - 2ft macrocore
Soil Boring Number: ISB-3
Sampling Method: Grab
Sheet 1 of 1

					Drilling Start	Drilling Finish
Water Level:						
Time:					DATE: 12/9/16	DATE: 12/9/16
Date:					TIME: 12:30	TIME: 13:05

Surface Conditions: Concrete Slab
Weather: Indoors
Temperature: 70F

Blow Counts (140-lb)	Ft. Driven/ Ft. Recvrd	Boring Diagram	PID (ppb)	Depth in Feet	USCS Log	
Not Applicable	1/1		0			0-1: concrete
				1	SW	1-3.5: light-dark brown medium sand dry
	2.5/4		1.5			
				2		
			1.5			
				3		
			1.5			
				4	GW	3.5-4: light brown rounded pebbles, dry
	2/2		.1		SW	4-6: light brown fine sand with pebbles, dry and loose
				5		
			.1			
				6	SW	6 - 8: light grey/tan fine sand. dry with some pebbles
	2/2		.3			
				7		
			0			
				8		8 refusal
				9		
				10		
				11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
				19		
				20		
				21		
				22		
				23		
				24		
				25		
				26		
				27		
				28		
				29		
				30		

Monitoring Well Construction Information				Sample Information
Monitoring Well Diameter:	_____	in		
Bottom of Monitoring Well:	_____	ft bgs		152140- ISB-3-3-4 at 1305
Stick Up or Flush Mount:	_____			
Screen Interval:	_____	To	_____ ft bgs	
Riser Interval:	_____	To	_____ ft bgs	
Sand Pack Interval:	_____	To	_____ ft bgs	
Bentonite Seal:	_____	To	_____ ft bgs	
Grout Interval:	_____	To	_____ ft bgs	

Logged by: Joe Vonuderitz Date: 2/9/16
Drilling Contractor: Clearwater Drilling Driller: Bruce

EA Engineering, P.C.
EA Science and Technology

LOG OF SOIL BORING

Coordinates: Northing _____ Easting: _____
Surface Elevation: _____
Casing Below Surface: _____
Reference Elevation: _____
Reference Description: _____

Job. No.	Client:	NYSDEC	Location:
14907.16	Project:	National Heatset Printing	Farmingdale, NY

Drilling Method: Geoprobe- 2 ft macrocore
Soil Boring Number: ISB-4
Sampling Method: Grab
Sheet 1 of 1

					Drilling	
Water Level:					**Start**	**Finish**
Time:					DATE: 2/9/2016	DATE: 2/9/16
Date:					TIME: 13:20	TIME: 14:20

Surface Conditions: Concrete Slab
Weather: Indoors
Temperature: 70F

Blow Counts (140-lb)	Ft. Driven/ Ft. Recvrd	Boring Diagram	PID (ppb)	Depth in Feet	USCS Log	
Not Applicable	1/1		0	1	SW	0-1: concrete; 1-2: brown medium-fine sand, some rounded cobbles, dry
	3/3		917	2	SW	2-3: grey fine sand; some rounded pebbles, dry
			1902	3	SW	3-4: brown medium-fine sand, dry
			2030	4	SW	4-6: light brown medium sand with rounded pebbles, dry
	2/2		63	5		
			29	6	SW	6 - 7: light brown medium sand with rounded pebbles, dry
	2/2		213	7	SM	7-8: light brown silty sand, dry
			0	8	SW	8-8.25: light brown/tan medium fine sand, with rounded pebbles, dry
	0.5/2		412	9		
				10		
				11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
				19		
				20		
				21		
				22		
				23		
				24		
				25		
				26		
				27		
				28		
				29		
				30		

Monitoring Well Construction Information

Monitoring Well Diameter: _____ in
Bottom of Monitoring Well: _____ ft bgs
Stick Up or Flush Mount: _____
Screen Interval: _____ To _____ ft bgs
Riser Interval: _____ To _____ ft bgs
Sand Pack Interval: _____ To _____ ft bgs
Bentonite Seal: _____ To _____ ft bgs
Grout Interval: _____ To _____ ft bgs

Sample Information

152140- ISB-4-3-4 at 1420
49 ppb initial downhole vapor concentration immediately after drilling
4.1 ppm 40 minutes later

Logged by: Emily Cummings Date: 2/9/16
Drilling Contractor: Clearwater Drilling Driller: Bruce

EA Engineering, P.C.
EA Science and Technology

LOG OF SOIL BORING

Coordinates: Northing _____ Easting: _____
Surface Elevation: _____
Casing Below Surface: _____
Reference Elevation: _____
Reference Description: _____

Job. No.	Client:	NYSDEC	Location:
14907.16	Project:	National Heatset Printing	Farmingdale, NY

Drilling Method: Geoprobe- 2 ft macrocore
Soil Boring Number: ISB-5
Sampling Method: Grab
Sheet 1 of 1

					Drilling	
Water Level:					**Start**	**Finish**
Time:					DATE: 2/9/2016	DATE: 2/9/16
Date:					TIME: 14:25	TIME: 14:55

Surface Conditions: Concrete Slab
Weather: Indoors
Temperature: 70F

Blow Counts (140-lb)	Ft. Driven/ Ft. Recvrd	Boring Diagram	PID (ppb)	Depth in Feet	USCS Log	
Not Applicable	4/4		0	1	SW	0-1: concrete; 1-3.5: light-dark brown medium sand with rounded cobbles
			0	2		
			0	3		
			0.2	4	SW	3.5-4: brown fine-medium sand with cobbles
	1.75/2		0	5	SW	4-6: light brown/gray, medium sand with pebbles
			0	6	SW	6 - 7: light gray fine sand
	1.5/2		0	7	SW	7-8: light brown medium sand with pebbles
			0	8		8-10: No recovery
	0/2			9		
				10		
				11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
				19		
				20		
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				22		
				23		
				24		
				25		
				26		
				27		
				28		
				29		
				30		

Monitoring Well Construction Information				Sample Information
Monitoring Well Diameter:	_____	in		
Bottom of Monitoring Well:	_____	ft bgs		152140- ISB-5-3.5-4 at 1455
Stick Up or Flush Mount:	_____			1.3 ppb downhole after drilling
Screen Interval:	_____	To	_____ ft bgs	
Riser Interval:	_____	To	_____ ft bgs	
Sand Pack Interval:	_____	To	_____ ft bgs	
Bentonite Seal:	_____	To	_____ ft bgs	
Grout Interval:	_____	To	_____ ft bgs	

Logged by: Emily Cummings Date: 2/9/16
Drilling Contractor: Clearwater Drilling Driller: Bruce

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LOG OF SOIL BORING

Coordinates: Northing _____ Easting: _____
Surface Elevation: _____
Casing Below Surface: _____
Reference Elevation: _____
Reference Description: _____

Job. No.	Client:	NYSDEC	Location:
14907.16	Project:	National Heatset Printing	Farmingdale, NY

Drilling Method: Geoprobe- 2 ft macrocore
Soil Boring Number: ISB-6
Sampling Method: Grab
Sheet 1 of 1

					Drilling	
					Start	Finish
Water Level:					DATE: 2/10/2016	DATE: 2/10/2016
Time:					TIME: 08:35	TIME: 11:00
Date:						

Surface Conditions: Concrete Slab
Weather: Indoors
Temperature: 70F

Blow Counts (140-lb)	Ft. Driven/ Ft. Recvrd	Boring Diagram	PID (ppb)	Depth in Feet	USCS Log	
Not Applicable	1/1		0	1	SW	0-1: concrete 1-3: light brown medium fine sand with rounded pebbles, cobbles, dry
	2.75/3		718	2		
			0	3	SM	3-3.75: brown fine silty sand, few rounded pebbles, tight, dry
			0	4		4-6: light brown medium-coarse sand with rounded pebbles
	1.75/2		0	5		
			0	6	SW	6-6.25: light brown medium-fine sand with rounded pebbles
	.25/2		938	7		6.5-8: light brown medium-coarse sand with rounded pebbles and cobbles
			1009	8	SW	8-10: light brown medium-fine sand with rounded pebbles
	2/2		0	9		
			0	10		
	1/2			11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
				19		
				20		
				21		
				22		
				23		
				24		
				25		
				26		
				27		
				28		
				29		
				30		

Monitoring Well Construction Information

Monitoring Well Diameter: _____ in
Bottom of Monitoring Well: _____ ft bgs
Stick Up or Flush Mount: _____
Screen Interval: _____ To _____ ft bgs
Riser Interval: _____ To _____ ft bgs
Sand Pack Interval: _____ To _____ ft bgs
Bentonite Seal: _____ To _____ ft bgs
Grout Interval: _____ To _____ ft bgs

Sample Information

152140- ISB-6-6.5-7 at 0950
Downhole PID reading: 1.4 ppm initial; 2.2 ppm 30 minutes later

Logged by: Emily Cummings Date: 2/10/16
Drilling Contractor: Clearwater Drilling Driller: Bruce

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LOG OF SOIL BORING

Coordinates: Northing _____ Easting: _____
Surface Elevation: _____
Casing Below Surface: _____
Reference Elevation: _____
Reference Description: _____

Job. No.	Client:	NYSDEC	Location:
14907.16	Project:	National Heatset Printing	Farmingdale, NY

Drilling Method: Geoprobe- 2 ft macrocore
Soil Boring Number: ISB-7
Sampling Method: Grab
Sheet 1 of 1

					Drilling	
Water Level:					**Start**	**Finish**
Time:					DATE: 2/10/2016	DATE: 2/10/2016
Date:					TIME: 11:35	TIME: 12:00

Surface Conditions: Concrete Slab
Weather: Indoors
Temperature: 70F

Blow Counts (140-lb)	Ft. Driven/ Ft. Recvrd	Boring Diagram	PID (ppb)	Depth in Feet	USCS Log	
Not Applicable	1/1		0	1	SW	0-1: concrete; 1-3: light brown medium-fine sand; rounded pebbles, dry
	3/3		802	2		
			1079	3	SM	3-4: brown silty sand; some rounded pebbles, dry
			244	4	SW	4-5: light brown medium sand with rounded pebbles/cobbles, dry
	1/2		235	5	SW	5-5.25: light brown medium-fine sand with rounded pebbles, dry
			400	6	SW	5.25-6.25: light brown medium-fine sand with rounded pebbles, dry
	.25/2		1035	7	SM	6.25-6.75: gray silty sand, dry
			134	8		
	1.5/2		0	9		
			0	10		
				11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
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				24		
				25		
				26		
				27		
				28		
				29		
				30		

Monitoring Well Construction Information				Sample Information
Monitoring Well Diameter:	_____	in		
Bottom of Monitoring Well:	_____	ft bgs		ISB-7-5.25-6.25 at 1200
Stick Up or Flush Mount:	_____			5.067 ppb initial
Screen Interval:	_____	To	_____ ft bgs	
Riser Interval:	_____	To	_____ ft bgs	
Sand Pack Interval:	_____	To	_____ ft bgs	
Bentonite Seal:	_____	To	_____ ft bgs	
Grout Interval:	_____	To	_____ ft bgs	

Logged by: Emily Cummings Date: _____
Drilling Contractor: SJB Services Driller: _____

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LOG OF SOIL BORING

Coordinates: Northing _____ Easting: _____
Surface Elevation: _____
Casing Below Surface: _____
Reference Elevation: _____
Reference Description: _____

Job. No.	Client:	Location:
14907.16	NYSDEC	Farmingdale, NY
	Project: National Heatset Printing	

Drilling Method: Geoprobe- 4 ft macrocore
Soil Boring Number: ISB-8
Sampling Method: Grab
Sheet 1 of 1

					Drilling Start	Drilling Finish
Water Level:						
Time:					DATE: 2/10/2016	DATE: 2/10/2016
Date:					TIME: 12:15	TIME: 12:56

Surface Conditions: Concrete slab
Weather: Indoors
Temperature: 70F

Blow Counts (140-lb)	Ft. Driven/ Ft. Recvrd	Boring Diagram	PID (ppb)	Depth in Feet	USCS Log	
Not Applicable	1/1		0	1	SW	0-1: concrete; 1-4: brown medium-fine sand with rounded pebbles; asphalt at 1.5 ft, dry
	3/3		470	2		
			466	3		
			10	4	SW	4-5: light brown medium-coarse sand with rounded pebbles, dry
	1/2		47	5		
			10	6	SW	6-7: light brown/gray fine sand with rounded pebbles, dry
	1/2		379	7		
			0	8		
	2/2		322	9	SW	8-10: brown medium-fine sand with rounded cobbles, dry
				10		
				11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
				19		
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				26		
				27		
				28		
				29		
				30		

Monitoring Well Construction Information

Monitoring Well Diameter: _____ in
Bottom of Monitoring Well: _____ ft bgs
Stick Up or Flush Mount: _____
Screen Interval: _____ To _____ ft bgs
Riser Interval: _____ To _____ ft bgs
Sand Pack Interval: _____ To _____ ft bgs
Bentonite Seal: _____ To _____ ft bgs
Grout Interval: _____ To _____ ft bgs

Sample Information

152140-ISB-8-1-1.5 at 1238

Logged by: Emily Cummings Date: _____
Drilling Contractor: SJB Services Driller: _____

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LOG OF SOIL BORING

Job. No.	**Client:**	NYSDEC			**Location:**
14907.16	**Project:**	National Heatset Printing			Farmingdale, NY
Drilling Method:					**Soil Boring Number:**
Geoprobe- 2 ft macrocore					ISB-9
Sampling Method:					**Sheet 1 of 1**
Grab					**Drilling**
Water Level:					**Start** / **Finish**
Time:					DATE: 2/10/2016 / DATE: 2/10/2016
Date:					TIME: 1320 / TIME: 14:16

Coordinates: Northing _____ Easting: _____
Surface Elevation: _____
Casing Below Surface: _____
Reference Elevation: _____
Reference Description: _____

Surface Conditions: Concrete slab
Weather: Partly Cloudy
Temperature: 70F

Blow Counts (140-lb)	Ft. Driven/ Ft. Recvrd	Boring Diagram	PID (ppb)	Depth in Feet	USCS Log	
Not Applicable	1/1		0	1	SM	0-1: concrete; 1-4: brown silty sand with rounded pebbles, dry
	2.75/3		1225	2		
			1974	3		
			525	4	SM	4-5.5: brown silty sand with rounded, pebbles, dry, some reddish-orange staining
	1.5/2		0	5		
			0	6		
	0/2		0	7		
			0	8		
	0/2		0	9		
			0	10		
				11		
				12		
				13		
				14		
				15		
				16		
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				27		
				28		
				29		
				30		

Monitoring Well Construction Information				Sample Information
Monitoring Well Diameter:	_____	in		
Bottom of Monitoring Well:	_____	ft bgs		152140-ISB-9-3-3.5 at 1446
Stick Up or Flush Mount:	_____			0 ppb initial
Screen Interval:	_____	To	_____ ft bgs	
Riser Interval:	_____	To	_____ ft bgs	
Sand Pack Interval:	_____	To	_____ ft bgs	
Bentonite Seal:	_____	To	_____ ft bgs	
Grout Interval:	_____	To	_____ ft bgs	

Logged by: Emily Cummings Date: 2/10/16
Drilling Contractor: Clearwater Drilling Driller: Bruce

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LOG OF SOIL BORING

Job. No.	**Client:**	NYSDEC			**Location:**
14907.16	**Project:**	National Heatset Printing			Farmingdale, NY
Drilling Method:					**Soil Boring Number:**
Geoprobe- 2 ft macrocore					ISB-10
Sampling Method:					**Sheet 1 of 1**
Grab					**Drilling**
Water Level:					**Start** / **Finish**
Time:					DATE: 2/10/2016 / DATE: 2/10/2016
Date:					TIME: 14:25 / TIME: 14:30

Coordinates: Northing _____ Easting: _____
Surface Elevation: _____
Casing Below Surface: _____
Reference Elevation: _____
Reference Description: _____

Surface Conditions: Concrete slab
Weather: Indoors
Temperature: 70F

Blow Counts (140-lb)	Ft. Driven/ Ft. Recvrd	Boring Diagram	PID (ppb)	Depth in Feet	USCS Log	
Not Applicable	1/1		0	1	SM	0-1: concrete; 1-4: brown silty sand with rounded pebbles/cobbles, damp-dry
	2.8/3		221	2		
			875	3		
			4417	4	SM	4-6: brown silty sand with rounded pebbles, quartz rock at 6 ft bgs
	1.75/2		0	5		
			0	6	SW	6-8: light brown medium sand with rounded pebbles
	1.25/2		0	7		
			0	8	SW	8-10: light brown medium sand with rounded pebbles
	1.3/2		20	9		
			0	10		
				11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
				19		
				20		
				21		
				22		
				23		
				24		
				25		
				26		
				27		
				28		
				29		
				30		

Monitoring Well Construction Information

Monitoring Well Diameter: _____ in
Bottom of Monitoring Well: _____ ft bgs
Stick Up or Flush Mount: _____
Screen Interval: _____ To _____ ft bgs
Riser Interval: _____ To _____ ft bgs
Sand Pack Interval: _____ To _____ ft bgs
Bentonite Seal: _____ To _____ ft bgs
Grout Interval: _____ To _____ ft bgs

Sample Information

152140-ISB-10-3-4 at 1450
152140- DUP01
2.5 ppb initial

Logged by: Emily Cummings Date: 2/10/16
Drilling Contractor: Clearwater Drilling Driller: Bruce

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LOG OF SOIL BORING

Coordinates: Northing _____ Easting: _____
Surface Elevation: _____
Casing Below Surface: _____
Reference Elevation: _____
Reference Description: _____

Job. No.	Client:	NYSDEC	Location:
14907.16	Project:	National Heatset Printing	Farmingdale, NY

Drilling Method: Geoprobe- 2 ft macrocore
Soil Boring Number: ISB-11
Sampling Method: Grab
Sheet 1 of 1

					Drilling	
Water Level:					**Start**	**Finish**
Time:					DATE: 2/11/2016	DATE: 2/11/2016
Date:					TIME: 08:20	TIME: 08:45

Surface Conditions: Concrete slab
Weather: Indoors
Temperature: 70F

Blow Counts (140-lb)	Ft. Driven/ Ft. Recvrd	Boring Diagram	PID (ppm)	Depth in Feet	USCS Log	
Not Applicable	1/1		0	1	SW	0-1: concrete 1-4: light brown medium sand with rounded pebbles, dry
	3/3		1.944	2		
			17.11	3		
			13.86	4	SW	4-6: brown medium sand with rounded pebbles, dry
	1.9/2		0.241	5		
			0	6	SW	6-8: light brown medium-coarse sand with rounded cobbles, dry
	2/2		0.962	7		
			0	8	SM	8-8.8: light brown silty sand, dry few rounded pebbles
	1.8/2		0.781	9	SW	8.8-10: light brown medium-coarse sand with rounded pebbles, dry
			0	10		
				11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
				19		
				20		
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				25		
				26		
				27		
				28		
				29		
				30		

Monitoring Well Construction Information				Sample Information
Monitoring Well Diameter:	_____	in		
Bottom of Monitoring Well:	_____	ft bgs		152140-ISB-11-2-3 (split with MS/MSD) at 0850
Stick Up or Flush Mount:	_____			
Screen Interval:	_____ To	_____	ft bgs	13.02 ppb initial
Riser Interval:	_____ To	_____	ft bgs	
Sand Pack Interval:	_____ To	_____	ft bgs	
Bentonite Seal:	_____ To	_____	ft bgs	
Grout Interval:	_____ To	_____	ft bgs	

Logged by: Emily Cummings Date: 2/11/16
Drilling Contractor: Clearwater Drilling Driller: Bruce

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LOG OF SOIL BORING

Coordinates: Northing _____ Easting: _____
Surface Elevation: _____
Casing Below Surface: _____
Reference Elevation: _____
Reference Description: _____

Job. No.	Client:	Location:
14907.16	NYSDEC	Farmingdale, NY
	Project: National Heatset Printing	

Drilling Method: Geoprobe- 2 ft macrocore
Soil Boring Number: ISB-12
Sampling Method: Grab
Sheet 1 of 1

					Drilling	
Water Level:					**Start**	**Finish**
Time:					DATE: 2/11/2016	DATE: 2/11/2016
Date:					TIME: 09:00	TIME: 09:35

Surface Conditions: Concrete slab
Weather: Indoors
Temperature: 70F

Blow Counts (140-lb)	Ft. Driven/ Ft. Recvrd	Boring Diagram	PID (ppb)	Depth in Feet	USCS Log	
Not Applicable	1/1		0	1		0-1: concrete
	3/3		647	2	SW	1-2.5: dark brown medium sand with rounded pebbles, damp
			596	3	SW	2.5-3: brown medium-fine sand with rounded pebbles, damp
			348	4		3-4: brown silty sand, tight, dry
	1/2		93	5	SW	4-5: light brown medium-fine sand with rounded pebbles, dry, loose
			0	6	SW	6-8: light brown medium-fine sand with rounded pebbles, dry
	1.5/2		0	7		
			0	8	SW	8-8.75: medium sand with rounded pebbles, dry
	.75/2		0	9		
			0	10		
				11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
				19		
				20		
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				26		
				27		
				28		
				29		
				30		

Monitoring Well Construction Information				Sample Information
Monitoring Well Diameter:	_____	in		
Bottom of Monitoring Well:	_____	ft bgs		152140-ISB-12-2-3 at 0935
Stick Up or Flush Mount:	_____			
Screen Interval:	_____ To	_____	ft bgs	0 ppb initial
Riser Interval:	_____ To	_____	ft bgs	
Sand Pack Interval:	_____ To	_____	ft bgs	
Bentonite Seal:	_____ To	_____	ft bgs	
Grout Interval:	_____ To	_____	ft bgs	

Logged by: Emily Cummings Date: 2/11/16
Drilling Contractor: Clearwater Drilling Driller: Bruce

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LOG OF SOIL BORING

Coordinates: Northing _____ Easting: _____
Surface Elevation: _____
Casing Below Surface: _____
Reference Elevation: _____
Reference Description: _____

Job. No.	Client:	NYSDEC	Location:
14907.16	Project:	National Heatset Printing	Farmingdale, NY

Drilling Method: Geoprobe- 2 ft macrocore
Soil Boring Number: ISB-13
Sampling Method: Grab
Sheet 1 of 1

					Drilling	
					Start	Finish
Water Level:						
Time:					DATE: 2/11/2016	DATE: 2/11/2016
Date:					TIME: 09:40	TIME: 10:00

Surface Conditions: Concrete
Weather: Indoors
Temperature: 70F

Blow Counts (140-lb)	Ft. Driven/ Ft. Recvrd	Boring Diagram	PID (ppb)	Depth in Feet	USCS Log	
Not Applicable	1/1		0	1		0-1: concrete
	3/3		699	2	SW	1-1.8: dark brown medium-fine sand with rounded pebbles, damp
					SW	1.8-2.8: light brown medium-fine sand with rounded pebbles, dry
			1349	3	SM	2.8-3.4: dark brown silty sand, tight, dry
			3136	4		3.4-4: light brown silty sand with rounded pebbles, dry
	.5/2		0	5	SW	4-4.3: light brown medium sand with pebbles, dry
			0	6		
	1.5/2		0	7	SW	6-7.5: tan medium-fine sand with rounded pebbles
			0	8	SW	8-9.25: tan medium-fine sand with rounded pebbles
	1.25/2		0	9		
			0	10		
				11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
				19		
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				25		
				26		
				27		
				28		
				29		
				30		

Monitoring Well Construction Information				Sample Information
Monitoring Well Diameter:	_____	in		
Bottom of Monitoring Well:	_____	ft bgs		152140-ISB-13-3-4 at 1000
Stick Up or Flush Mount:	_____			
Screen Interval:	_____	To	_____ ft bgs	265 ppb initial downhole reading
Riser Interval:	_____	To	_____ ft bgs	
Sand Pack Interval:	_____	To	_____ ft bgs	
Bentonite Seal:	_____	To	_____ ft bgs	
Grout Interval:	_____	To	_____ ft bgs	

Logged by: Emily Cummings Date: 2/11/16
Drilling Contractor: Clearwater Drilling Driller: Bruce

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LOG OF SOIL BORING

Job. No.	**Client:**	NYSDEC			**Location:**
14907.16	**Project:**	National Heatset Printing			Farmingdale, NY
Drilling Method:					**Soil Boring Number:**
Geoprobe- 2 ft macrocore					ISB-14
Sampling Method:					**Sheet 1 of 1**
Grab					**Drilling**
Water Level:					**Start** / **Finish**
Time:					DATE: 2/11/2016 / DATE: 2/11/2016
Date:					TIME: 11:00 / TIME: 11:10

Coordinates: Northing _____ Easting: _____
Surface Elevation: _____
Casing Below Surface: _____
Reference Elevation: _____
Reference Description: _____

Surface Conditions: Concrete slab
Weather: Indoors
Temperature: 70F

Blow Counts (140-lb)	Ft. Driven/ Ft. Recvrd	Boring Diagram	PID (ppm)	Depth in Feet	USCS Log	
Not Applicable	1/1		0	1		0-1: concrete
	2.75/3		1.327	2	SW	1-2: light brown medium-fine sand, rounded pebbles, damp
			2.877	3	SM	2-4: brown silty sand with rounded pebbles, dry
			3.816	4		
	1/2		0	5	SW	4-5: light brown medium-fine sand with rounded pebbles, dry
			0	6		
	2/2		0	7	SW	6-8: light brown medium-fine sand with rounded pebbles, dry
			0	8	SW	8-8.5: light brown medium-fine sand with rounded, pebbles, dry
	.5/2		0	9		
			0	10		
				11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
				19		
				20		
				21		
				22		
				23		
				24		
				25		
				26		
				27		
				28		
				29		
				30		

Monitoring Well Construction Information

Monitoring Well Diameter: _____ in
Bottom of Monitoring Well: _____ ft bgs
Stick Up or Flush Mount: _____
Screen Interval: _____ To _____ ft bgs
Riser Interval: _____ To _____ ft bgs
Sand Pack Interval: _____ To _____ ft bgs
Bentonite Seal: _____ To _____ ft bgs
Grout Interval: _____ To _____ ft bgs

Sample Information

152140-ISB-14-3-4 at 1110

0 ppb initial downhole

Logged by: Emily Cummings Date: 2/11/16
Drilling Contractor: Clearwater Drilling Driller: Bruce

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LOG OF SOIL BORING

Job. No.	**Client:**	NYSDEC			**Location:**
14907.16	**Project:**	National Heatset Printing			Farmingdale, NY
Drilling Method:					**Soil Boring Number:**
Geoprobe- 2 ft macrocore					ISB-15
Sampling Method:					**Sheet 1 of 1**
Grab					**Drilling**
Water Level:					**Start** / **Finish**
Time:					DATE: 2/11/2016 / DATE: 2/11/2016
Date:					TIME: 11:50 / TIME: 12:10

Coordinates: Northing _____ Easting: _____
Surface Elevation: _____
Casing Below Surface: _____
Reference Elevation: _____
Reference Description: _____

Surface Conditions: Concrete slab
Weather: Indoors
Temperature: 70F

Blow Counts (140-lb)	Ft. Driven/ Ft. Recvrd	Boring Diagram	PID (ppb)	Depth in Feet	USCS Log	
Not Applicable	1/1		0	1		0-1: concrete
	2.5/3		0	2	SW	1-2: light brown fine sand, few rounded pebbles, dry
			0	3	SM SW	2-2.75: brown silty sand with rounded pebbles, damp 2.75-3.25: light brown fine sand, few rounded pebbles, damp
			0	4	SM SW	3.25-3.5: brown silty sand with rounded pebbles 3.5-4: light brown medium-coarse sand with rounded pebbles, dry
	2/2		0	5	SW SM	4-4.75: light brown medium sand with rounded pebbles, dry 4.75-5: brown/gray silty sand, damp
			0	6	ML	5-6: gray clayey silt, damp with few rounded pebbles
	1.5/2		0	7	SM/MH	6-8: light brown medium sand with rounded pebbles, dry
			0	8		8-10: light brown medium sand with rounded pebbles, dry
	1.6/2		0	9		
			0	10		
				11		
				12		
				13		
				14		
				15		
				16		
				17		
				18		
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				24		
				25		
				26		
				27		
				28		
				29		
				30		

Monitoring Well Construction Information

Monitoring Well Diameter: _____ in
Bottom of Monitoring Well: _____ ft bgs
Stick Up or Flush Mount: _____
Screen Interval: _____ To _____ ft bgs
Riser Interval: _____ To _____ ft bgs
Sand Pack Interval: _____ To _____ ft bgs
Bentonite Seal: _____ To _____ ft bgs
Grout Interval: _____ To _____ ft bgs

Sample Information

152140-ISB-15-2-4 at 1210

0 ppb initial downhole

Logged by: Emily Cummings Date: 2/11/16
Drilling Contractor: Clearwater Drilling Driller: Bruce

Attachment
Laboratory Data Sheets

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3/1/2016
Mr. Jim Hayward
EA Engineering
6712 Brooklawn Parkway

Syracuse NY 13211

Project Name: National Heatset
Project #: 1490716
Workorder #: 1602343

Dear Mr. Jim Hayward

The following report includes the data for the above referenced project for sample(s) received on 2/17/2016 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

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WORK ORDER #: 1602343

Work Order Summary

CLIENT:	Mr. Jim Hayward EA Engineering 6712 Brooklawn Parkway Syracuse, NY 13211	**BILL TO:**	Accounts Payable EA Engineering 3 Washington Center Newburgh, NY 12550
PHONE:	315-431-4610	**P.O. #**	1490716
FAX:	315-431-4280	**PROJECT #**	1490716 National Heatset
DATE RECEIVED:	02/17/2016	**CONTACT:**	Ausha Scott
DATE COMPLETED:	03/01/2016		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	National Heatset VP-15 (ISB-11)	TO-15	5.0 "Hg	5 psi
02A	National Heatset DUP 021616	TO-15	6.0 "Hg	5 psi
03A	National Heatset VP-16 (ISB-9)	TO-15	4.5 "Hg	5 psi
04A	National Heatset VP-17 (ISB-6)	TO-15	6.0 "Hg	5 psi
05A	National Heatset IA-02	TO-15	5.5 "Hg	5 psi
06A	National Heatset VP-18 (ISB-2)	TO-15	7.5 "Hg	5 psi
07A	National Heatset IA-01	TO-15	4.0 "Hg	5 psi
08A	National Heatset VP-19 (ISB-14)	TO-15	5.5 "Hg	5 psi
09A	Lab Blank	TO-15	NA	NA
10A	CCV	TO-15	NA	NA
11A	LCS	TO-15	NA	NA
11AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 03/01/16

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15
EA Engineering
Workorder# 1602343

Eight 6 Liter Summa Canister samples were received on February 17, 2016. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on samples National Heatset VP-15 (ISB-11), National Heatset DUP 021616, National Heatset VP-16 (ISB-9), National Heatset VP-17 (ISB-6), National Heatset VP-18 (ISB-2) and National Heatset VP-19 (ISB-14) due to the presence of high level target species.

The reported result for 4-Ethyltoluene in samples National Heatset VP-15 (ISB-11), National Heatset DUP 021616 and National Heatset VP-17 (ISB-6) may be biased high due to co-elution with a non target compound with similar characteristic ions. Both the primary and secondary ion for 4-Ethyltoluene exhibited potential interference.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: National Heatset VP-15 (ISB-11)

Lab ID#: 1602343-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	8.0	14	39	66
Trichloroethene	8.0	36	43	190
Tetrachloroethene	8.0	1800	55	13000
m,p-Xylene	8.0	22	35	93
o-Xylene	8.0	22	35	95
4-Ethyltoluene	8.0	14	40	68
1,3,5-Trimethylbenzene	8.0	9.6	40	47
1,2,4-Trimethylbenzene	8.0	18	40	88

Client Sample ID: National Heatset DUP 021616

Lab ID#: 1602343-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	8.4	14	41	70
Trichloroethene	8.4	45	45	240
Tetrachloroethene	8.4	2200	57	15000
m,p-Xylene	8.4	27	36	120
o-Xylene	8.4	24	36	100
4-Ethyltoluene	8.4	15	41	74
1,3,5-Trimethylbenzene	8.4	12	41	57
1,2,4-Trimethylbenzene	8.4	21	41	100

Client Sample ID: National Heatset VP-16 (ISB-9)

Lab ID#: 1602343-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	16	5400	110	36000

Client Sample ID: National Heatset VP-17 (ISB-6)

Lab ID#: 1602343-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: National Heatset VP-17 (ISB-6)

Lab ID#: 1602343-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	4.2	5.1	24	28
Ethanol	17	100	32	200
Trichloroethene	4.2	27	22	140
Tetrachloroethene	4.2	1200	28	8400
m,p-Xylene	4.2	5.8	18	25
4-Ethyltoluene	4.2	6.0	20	30
1,2,4-Trimethylbenzene	4.2	7.4	20	36

Client Sample ID: National Heatset IA-02

Lab ID#: 1602343-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	3.3	110	6.2	210
Acetone	8.2	13	19	32
2-Propanol	3.3	29	8.1	71
Hexane	0.82	2.0	2.9	7.1
Toluene	0.82	3.1	3.1	12
m,p-Xylene	0.82	0.88	3.6	3.8

Client Sample ID: National Heatset VP-18 (ISB-2)

Lab ID#: 1602343-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Chloroform	12	22	58	100
Trichloroethene	12	38	64	200
Tetrachloroethene	12	3200	81	22000

Client Sample ID: National Heatset IA-01

Lab ID#: 1602343-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	3.1	240	5.8	460

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: National Heatset IA-01

Lab ID#: 1602343-07A

Acetone	7.8	17	18	40
2-Propanol	3.1	45	7.6	110
Tetrachloroethene	0.78	0.94	5.2	6.4

Client Sample ID: National Heatset VP-19 (ISB-14)

Lab ID#: 1602343-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	13	14	25	26
Chloroform	3.3	3.7	16	18
Trichloroethene	3.3	4.4	18	24
Tetrachloroethene	3.3	680	22	4600

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Client Sample ID: National Heatset VP-15 (ISB-11)

Lab ID#: 1602343-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022023**	**Date of Collection:**	**2/16/16 4:55:00 PM**
Dil. Factor:	**16.1**	**Date of Analysis:**	**2/20/16 10:22 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	8.0	Not Detected	40	Not Detected
Freon 114	8.0	Not Detected	56	Not Detected
Chloromethane	80	Not Detected	170	Not Detected
Vinyl Chloride	8.0	Not Detected	20	Not Detected
1,3-Butadiene	8.0	Not Detected	18	Not Detected
Bromomethane	80	Not Detected	310	Not Detected
Chloroethane	32	Not Detected	85	Not Detected
Freon 11	8.0	Not Detected	45	Not Detected
Ethanol	32	Not Detected	61	Not Detected
Freon 113	8.0	Not Detected	62	Not Detected
1,1-Dichloroethene	8.0	Not Detected	32	Not Detected
Acetone	80	Not Detected	190	Not Detected
2-Propanol	32	Not Detected	79	Not Detected
Carbon Disulfide	32	Not Detected	100	Not Detected
3-Chloropropene	32	Not Detected	100	Not Detected
Methylene Chloride	80	Not Detected	280	Not Detected
Methyl tert-butyl ether	8.0	Not Detected	29	Not Detected
trans-1,2-Dichloroethene	8.0	Not Detected	32	Not Detected
Hexane	8.0	Not Detected	28	Not Detected
1,1-Dichloroethane	8.0	Not Detected	32	Not Detected
2-Butanone (Methyl Ethyl Ketone)	32	Not Detected	95	Not Detected
cis-1,2-Dichloroethene	8.0	Not Detected	32	Not Detected
Tetrahydrofuran	8.0	Not Detected	24	Not Detected
Chloroform	8.0	14	39	66
1,1,1-Trichloroethane	8.0	Not Detected	44	Not Detected
Cyclohexane	8.0	Not Detected	28	Not Detected
Carbon Tetrachloride	8.0	Not Detected	51	Not Detected
2,2,4-Trimethylpentane	8.0	Not Detected	38	Not Detected
Benzene	8.0	Not Detected	26	Not Detected
1,2-Dichloroethane	8.0	Not Detected	32	Not Detected
Heptane	8.0	Not Detected	33	Not Detected
Trichloroethene	8.0	36	43	190
1,2-Dichloropropane	8.0	Not Detected	37	Not Detected
1,4-Dioxane	32	Not Detected	120	Not Detected
Bromodichloromethane	8.0	Not Detected	54	Not Detected
cis-1,3-Dichloropropene	8.0	Not Detected	36	Not Detected
4-Methyl-2-pentanone	8.0	Not Detected	33	Not Detected
Toluene	8.0	Not Detected	30	Not Detected
trans-1,3-Dichloropropene	8.0	Not Detected	36	Not Detected
1,1,2-Trichloroethane	8.0	Not Detected	44	Not Detected
Tetrachloroethene	8.0	1800	55	13000
2-Hexanone	32	Not Detected	130	Not Detected

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Client Sample ID: National Heatset VP-15 (ISB-11)

Lab ID#: 1602343-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022023**	**Date of Collection: 2/16/16 4:55:00 PM**	
Dil. Factor:	**16.1**	**Date of Analysis: 2/20/16 10:22 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	8.0	Not Detected	68	Not Detected
1,2-Dibromoethane (EDB)	8.0	Not Detected	62	Not Detected
Chlorobenzene	8.0	Not Detected	37	Not Detected
Ethyl Benzene	8.0	Not Detected	35	Not Detected
m,p-Xylene	8.0	22	35	93
o-Xylene	8.0	22	35	95
Styrene	8.0	Not Detected	34	Not Detected
Bromoform	8.0	Not Detected	83	Not Detected
Cumene	8.0	Not Detected	40	Not Detected
1,1,2,2-Tetrachloroethane	8.0	Not Detected	55	Not Detected
Propylbenzene	8.0	Not Detected	40	Not Detected
4-Ethyltoluene	8.0	14	40	68
1,3,5-Trimethylbenzene	8.0	9.6	40	47
1,2,4-Trimethylbenzene	8.0	18	40	88
1,3-Dichlorobenzene	8.0	Not Detected	48	Not Detected
1,4-Dichlorobenzene	8.0	Not Detected	48	Not Detected
alpha-Chlorotoluene	8.0	Not Detected	42	Not Detected
1,2-Dichlorobenzene	8.0	Not Detected	48	Not Detected
1,2,4-Trichlorobenzene	32	Not Detected	240	Not Detected
Hexachlorobutadiene	32	Not Detected	340	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: National Heatset DUP 021616

Lab ID#: 1602343-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022024**	**Date of Collection: 2/16/16**	
Dil. Factor:	**16.8**	**Date of Analysis: 2/20/16 10:45 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	8.4	Not Detected	42	Not Detected
Freon 114	8.4	Not Detected	59	Not Detected
Chloromethane	84	Not Detected	170	Not Detected
Vinyl Chloride	8.4	Not Detected	21	Not Detected
1,3-Butadiene	8.4	Not Detected	18	Not Detected
Bromomethane	84	Not Detected	330	Not Detected
Chloroethane	34	Not Detected	89	Not Detected
Freon 11	8.4	Not Detected	47	Not Detected
Ethanol	34	Not Detected	63	Not Detected
Freon 113	8.4	Not Detected	64	Not Detected
1,1-Dichloroethene	8.4	Not Detected	33	Not Detected
Acetone	84	Not Detected	200	Not Detected
2-Propanol	34	Not Detected	82	Not Detected
Carbon Disulfide	34	Not Detected	100	Not Detected
3-Chloropropene	34	Not Detected	100	Not Detected
Methylene Chloride	84	Not Detected	290	Not Detected
Methyl tert-butyl ether	8.4	Not Detected	30	Not Detected
trans-1,2-Dichloroethene	8.4	Not Detected	33	Not Detected
Hexane	8.4	Not Detected	30	Not Detected
1,1-Dichloroethane	8.4	Not Detected	34	Not Detected
2-Butanone (Methyl Ethyl Ketone)	34	Not Detected	99	Not Detected
cis-1,2-Dichloroethene	8.4	Not Detected	33	Not Detected
Tetrahydrofuran	8.4	Not Detected	25	Not Detected
Chloroform	8.4	14	41	70
1,1,1-Trichloroethane	8.4	Not Detected	46	Not Detected
Cyclohexane	8.4	Not Detected	29	Not Detected
Carbon Tetrachloride	8.4	Not Detected	53	Not Detected
2,2,4-Trimethylpentane	8.4	Not Detected	39	Not Detected
Benzene	8.4	Not Detected	27	Not Detected
1,2-Dichloroethane	8.4	Not Detected	34	Not Detected
Heptane	8.4	Not Detected	34	Not Detected
Trichloroethene	8.4	45	45	240
1,2-Dichloropropane	8.4	Not Detected	39	Not Detected
1,4-Dioxane	34	Not Detected	120	Not Detected
Bromodichloromethane	8.4	Not Detected	56	Not Detected
cis-1,3-Dichloropropene	8.4	Not Detected	38	Not Detected
4-Methyl-2-pentanone	8.4	Not Detected	34	Not Detected
Toluene	8.4	Not Detected	32	Not Detected
trans-1,3-Dichloropropene	8.4	Not Detected	38	Not Detected
1,1,2-Trichloroethane	8.4	Not Detected	46	Not Detected
Tetrachloroethene	8.4	2200	57	15000
2-Hexanone	34	Not Detected	140	Not Detected

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Client Sample ID: National Heatset DUP 021616

Lab ID#: 1602343-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022024**	**Date of Collection:**	**2/16/16**
Dil. Factor:	**16.8**	**Date of Analysis:**	**2/20/16 10:45 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	8.4	Not Detected	72	Not Detected
1,2-Dibromoethane (EDB)	8.4	Not Detected	64	Not Detected
Chlorobenzene	8.4	Not Detected	39	Not Detected
Ethyl Benzene	8.4	Not Detected	36	Not Detected
m,p-Xylene	8.4	27	36	120
o-Xylene	8.4	24	36	100
Styrene	8.4	Not Detected	36	Not Detected
Bromoform	8.4	Not Detected	87	Not Detected
Cumene	8.4	Not Detected	41	Not Detected
1,1,2,2-Tetrachloroethane	8.4	Not Detected	58	Not Detected
Propylbenzene	8.4	Not Detected	41	Not Detected
4-Ethyltoluene	8.4	15	41	74
1,3,5-Trimethylbenzene	8.4	12	41	57
1,2,4-Trimethylbenzene	8.4	21	41	100
1,3-Dichlorobenzene	8.4	Not Detected	50	Not Detected
1,4-Dichlorobenzene	8.4	Not Detected	50	Not Detected
alpha-Chlorotoluene	8.4	Not Detected	43	Not Detected
1,2-Dichlorobenzene	8.4	Not Detected	50	Not Detected
1,2,4-Trichlorobenzene	34	Not Detected	250	Not Detected
Hexachlorobutadiene	34	Not Detected	360	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: National Heatset VP-16 (ISB-9)

Lab ID#: 1602343-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022026**	**Date of Collection:**	**2/16/16 4:20:00 PM**
Dil. Factor:	**31.5**	**Date of Analysis:**	**2/20/16 11:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	16	Not Detected	78	Not Detected
Freon 114	16	Not Detected	110	Not Detected
Chloromethane	160	Not Detected	320	Not Detected
Vinyl Chloride	16	Not Detected	40	Not Detected
1,3-Butadiene	16	Not Detected	35	Not Detected
Bromomethane	160	Not Detected	610	Not Detected
Chloroethane	63	Not Detected	170	Not Detected
Freon 11	16	Not Detected	88	Not Detected
Ethanol	63	Not Detected	120	Not Detected
Freon 113	16	Not Detected	120	Not Detected
1,1-Dichloroethene	16	Not Detected	62	Not Detected
Acetone	160	Not Detected	370	Not Detected
2-Propanol	63	Not Detected	150	Not Detected
Carbon Disulfide	63	Not Detected	200	Not Detected
3-Chloropropene	63	Not Detected	200	Not Detected
Methylene Chloride	160	Not Detected	550	Not Detected
Methyl tert-butyl ether	16	Not Detected	57	Not Detected
trans-1,2-Dichloroethene	16	Not Detected	62	Not Detected
Hexane	16	Not Detected	56	Not Detected
1,1-Dichloroethane	16	Not Detected	64	Not Detected
2-Butanone (Methyl Ethyl Ketone)	63	Not Detected	180	Not Detected
cis-1,2-Dichloroethene	16	Not Detected	62	Not Detected
Tetrahydrofuran	16	Not Detected	46	Not Detected
Chloroform	16	Not Detected	77	Not Detected
1,1,1-Trichloroethane	16	Not Detected	86	Not Detected
Cyclohexane	16	Not Detected	54	Not Detected
Carbon Tetrachloride	16	Not Detected	99	Not Detected
2,2,4-Trimethylpentane	16	Not Detected	74	Not Detected
Benzene	16	Not Detected	50	Not Detected
1,2-Dichloroethane	16	Not Detected	64	Not Detected
Heptane	16	Not Detected	64	Not Detected
Trichloroethene	16	Not Detected	85	Not Detected
1,2-Dichloropropane	16	Not Detected	73	Not Detected
1,4-Dioxane	63	Not Detected	230	Not Detected
Bromodichloromethane	16	Not Detected	100	Not Detected
cis-1,3-Dichloropropene	16	Not Detected	71	Not Detected
4-Methyl-2-pentanone	16	Not Detected	64	Not Detected
Toluene	16	Not Detected	59	Not Detected
trans-1,3-Dichloropropene	16	Not Detected	71	Not Detected
1,1,2-Trichloroethane	16	Not Detected	86	Not Detected
Tetrachloroethene	16	5400	110	36000
2-Hexanone	63	Not Detected	260	Not Detected

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Client Sample ID: National Heatset VP-16 (ISB-9)

Lab ID#: 1602343-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022026**	**Date of Collection:**	**2/16/16 4:20:00 PM**
Dil. Factor:	**31.5**	**Date of Analysis:**	**2/20/16 11:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	16	Not Detected	130	Not Detected
1,2-Dibromoethane (EDB)	16	Not Detected	120	Not Detected
Chlorobenzene	16	Not Detected	72	Not Detected
Ethyl Benzene	16	Not Detected	68	Not Detected
m,p-Xylene	16	Not Detected	68	Not Detected
o-Xylene	16	Not Detected	68	Not Detected
Styrene	16	Not Detected	67	Not Detected
Bromoform	16	Not Detected	160	Not Detected
Cumene	16	Not Detected	77	Not Detected
1,1,2,2-Tetrachloroethane	16	Not Detected	110	Not Detected
Propylbenzene	16	Not Detected	77	Not Detected
4-Ethyltoluene	16	Not Detected	77	Not Detected
1,3,5-Trimethylbenzene	16	Not Detected	77	Not Detected
1,2,4-Trimethylbenzene	16	Not Detected	77	Not Detected
1,3-Dichlorobenzene	16	Not Detected	95	Not Detected
1,4-Dichlorobenzene	16	Not Detected	95	Not Detected
alpha-Chlorotoluene	16	Not Detected	82	Not Detected
1,2-Dichlorobenzene	16	Not Detected	95	Not Detected
1,2,4-Trichlorobenzene	63	Not Detected	470	Not Detected
Hexachlorobutadiene	63	Not Detected	670	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: National Heatset VP-17 (ISB-6)

Lab ID#: 1602343-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022022**	**Date of Collection:**	**2/16/16 4:35:00 PM**
Dil. Factor:	**8.38**	**Date of Analysis:**	**2/20/16 09:58 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	4.2	Not Detected	21	Not Detected
Freon 114	4.2	Not Detected	29	Not Detected
Chloromethane	42	Not Detected	86	Not Detected
Vinyl Chloride	4.2	Not Detected	11	Not Detected
1,3-Butadiene	4.2	Not Detected	9.3	Not Detected
Bromomethane	42	Not Detected	160	Not Detected
Chloroethane	17	Not Detected	44	Not Detected
Freon 11	4.2	5.1	24	28
Ethanol	17	100	32	200
Freon 113	4.2	Not Detected	32	Not Detected
1,1-Dichloroethene	4.2	Not Detected	17	Not Detected
Acetone	42	Not Detected	100	Not Detected
2-Propanol	17	Not Detected	41	Not Detected
Carbon Disulfide	17	Not Detected	52	Not Detected
3-Chloropropene	17	Not Detected	52	Not Detected
Methylene Chloride	42	Not Detected	140	Not Detected
Methyl tert-butyl ether	4.2	Not Detected	15	Not Detected
trans-1,2-Dichloroethene	4.2	Not Detected	17	Not Detected
Hexane	4.2	Not Detected	15	Not Detected
1,1-Dichloroethane	4.2	Not Detected	17	Not Detected
2-Butanone (Methyl Ethyl Ketone)	17	Not Detected	49	Not Detected
cis-1,2-Dichloroethene	4.2	Not Detected	17	Not Detected
Tetrahydrofuran	4.2	Not Detected	12	Not Detected
Chloroform	4.2	Not Detected	20	Not Detected
1,1,1-Trichloroethane	4.2	Not Detected	23	Not Detected
Cyclohexane	4.2	Not Detected	14	Not Detected
Carbon Tetrachloride	4.2	Not Detected	26	Not Detected
2,2,4-Trimethylpentane	4.2	Not Detected	20	Not Detected
Benzene	4.2	Not Detected	13	Not Detected
1,2-Dichloroethane	4.2	Not Detected	17	Not Detected
Heptane	4.2	Not Detected	17	Not Detected
Trichloroethene	4.2	27	22	140
1,2-Dichloropropane	4.2	Not Detected	19	Not Detected
1,4-Dioxane	17	Not Detected	60	Not Detected
Bromodichloromethane	4.2	Not Detected	28	Not Detected
cis-1,3-Dichloropropene	4.2	Not Detected	19	Not Detected
4-Methyl-2-pentanone	4.2	Not Detected	17	Not Detected
Toluene	4.2	Not Detected	16	Not Detected
trans-1,3-Dichloropropene	4.2	Not Detected	19	Not Detected
1,1,2-Trichloroethane	4.2	Not Detected	23	Not Detected
Tetrachloroethene	4.2	1200	28	8400
2-Hexanone	17	Not Detected	69	Not Detected

eurofins | Air Toxics

Client Sample ID: National Heatset VP-17 (ISB-6)

Lab ID#: 1602343-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022022**	**Date of Collection:**	**2/16/16 4:35:00 PM**
Dil. Factor:	**8.38**	**Date of Analysis:**	**2/20/16 09:58 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	4.2	Not Detected	36	Not Detected
1,2-Dibromoethane (EDB)	4.2	Not Detected	32	Not Detected
Chlorobenzene	4.2	Not Detected	19	Not Detected
Ethyl Benzene	4.2	Not Detected	18	Not Detected
m,p-Xylene	4.2	5.8	18	25
o-Xylene	4.2	Not Detected	18	Not Detected
Styrene	4.2	Not Detected	18	Not Detected
Bromoform	4.2	Not Detected	43	Not Detected
Cumene	4.2	Not Detected	20	Not Detected
1,1,2,2-Tetrachloroethane	4.2	Not Detected	29	Not Detected
Propylbenzene	4.2	Not Detected	20	Not Detected
4-Ethyltoluene	4.2	6.0	20	30
1,3,5-Trimethylbenzene	4.2	Not Detected	20	Not Detected
1,2,4-Trimethylbenzene	4.2	7.4	20	36
1,3-Dichlorobenzene	4.2	Not Detected	25	Not Detected
1,4-Dichlorobenzene	4.2	Not Detected	25	Not Detected
alpha-Chlorotoluene	4.2	Not Detected	22	Not Detected
1,2-Dichlorobenzene	4.2	Not Detected	25	Not Detected
1,2,4-Trichlorobenzene	17	Not Detected	120	Not Detected
Hexachlorobutadiene	17	Not Detected	180	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: National Heatset IA-02

Lab ID#: 1602343-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022016**	**Date of Collection:**	**2/16/16 1:30:00 PM**
Dil. Factor:	**1.64**	**Date of Analysis:**	**2/20/16 07:28 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.82	Not Detected	4.0	Not Detected
Freon 114	0.82	Not Detected	5.7	Not Detected
Chloromethane	8.2	Not Detected	17	Not Detected
Vinyl Chloride	0.82	Not Detected	2.1	Not Detected
1,3-Butadiene	0.82	Not Detected	1.8	Not Detected
Bromomethane	8.2	Not Detected	32	Not Detected
Chloroethane	3.3	Not Detected	8.6	Not Detected
Freon 11	0.82	Not Detected	4.6	Not Detected
Ethanol	3.3	110	6.2	210
Freon 113	0.82	Not Detected	6.3	Not Detected
1,1-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Acetone	8.2	13	19	32
2-Propanol	3.3	29	8.1	71
Carbon Disulfide	3.3	Not Detected	10	Not Detected
3-Chloropropene	3.3	Not Detected	10	Not Detected
Methylene Chloride	8.2	Not Detected	28	Not Detected
Methyl tert-butyl ether	0.82	Not Detected	3.0	Not Detected
trans-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Hexane	0.82	2.0	2.9	7.1
1,1-Dichloroethane	0.82	Not Detected	3.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.3	Not Detected	9.7	Not Detected
cis-1,2-Dichloroethene	0.82	Not Detected	3.2	Not Detected
Tetrahydrofuran	0.82	Not Detected	2.4	Not Detected
Chloroform	0.82	Not Detected	4.0	Not Detected
1,1,1-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Cyclohexane	0.82	Not Detected	2.8	Not Detected
Carbon Tetrachloride	0.82	Not Detected	5.2	Not Detected
2,2,4-Trimethylpentane	0.82	Not Detected	3.8	Not Detected
Benzene	0.82	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.82	Not Detected	3.3	Not Detected
Heptane	0.82	Not Detected	3.4	Not Detected
Trichloroethene	0.82	Not Detected	4.4	Not Detected
1,2-Dichloropropane	0.82	Not Detected	3.8	Not Detected
1,4-Dioxane	3.3	Not Detected	12	Not Detected
Bromodichloromethane	0.82	Not Detected	5.5	Not Detected
cis-1,3-Dichloropropene	0.82	Not Detected	3.7	Not Detected
4-Methyl-2-pentanone	0.82	Not Detected	3.4	Not Detected
Toluene	0.82	3.1	3.1	12
trans-1,3-Dichloropropene	0.82	Not Detected	3.7	Not Detected
1,1,2-Trichloroethane	0.82	Not Detected	4.5	Not Detected
Tetrachloroethene	0.82	Not Detected	5.6	Not Detected
2-Hexanone	3.3	Not Detected	13	Not Detected

eurofins | Air Toxics

Client Sample ID: National Heatset IA-02

Lab ID#: 1602343-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022016**	**Date of Collection:**	**2/16/16 1:30:00 PM**
Dil. Factor:	**1.64**	**Date of Analysis:**	**2/20/16 07:28 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.82	Not Detected	7.0	Not Detected
1,2-Dibromoethane (EDB)	0.82	Not Detected	6.3	Not Detected
Chlorobenzene	0.82	Not Detected	3.8	Not Detected
Ethyl Benzene	0.82	Not Detected	3.6	Not Detected
m,p-Xylene	0.82	0.88	3.6	3.8
o-Xylene	0.82	Not Detected	3.6	Not Detected
Styrene	0.82	Not Detected	3.5	Not Detected
Bromoform	0.82	Not Detected	8.5	Not Detected
Cumene	0.82	Not Detected	4.0	Not Detected
1,1,2,2-Tetrachloroethane	0.82	Not Detected	5.6	Not Detected
Propylbenzene	0.82	Not Detected	4.0	Not Detected
4-Ethyltoluene	0.82	Not Detected	4.0	Not Detected
1,3,5-Trimethylbenzene	0.82	Not Detected	4.0	Not Detected
1,2,4-Trimethylbenzene	0.82	Not Detected	4.0	Not Detected
1,3-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
1,4-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
alpha-Chlorotoluene	0.82	Not Detected	4.2	Not Detected
1,2-Dichlorobenzene	0.82	Not Detected	4.9	Not Detected
1,2,4-Trichlorobenzene	3.3	Not Detected	24	Not Detected
Hexachlorobutadiene	3.3	Not Detected	35	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: National Heatset VP-18 (ISB-2)

Lab ID#: 1602343-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022025**	**Date of Collection:**	**2/16/16 4:50:00 PM**
Dil. Factor:	**23.8**	**Date of Analysis:**	**2/20/16 11:08 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	12	Not Detected	59	Not Detected
Freon 114	12	Not Detected	83	Not Detected
Chloromethane	120	Not Detected	240	Not Detected
Vinyl Chloride	12	Not Detected	30	Not Detected
1,3-Butadiene	12	Not Detected	26	Not Detected
Bromomethane	120	Not Detected	460	Not Detected
Chloroethane	48	Not Detected	120	Not Detected
Freon 11	12	Not Detected	67	Not Detected
Ethanol	48	Not Detected	90	Not Detected
Freon 113	12	Not Detected	91	Not Detected
1,1-Dichloroethene	12	Not Detected	47	Not Detected
Acetone	120	Not Detected	280	Not Detected
2-Propanol	48	Not Detected	120	Not Detected
Carbon Disulfide	48	Not Detected	150	Not Detected
3-Chloropropene	48	Not Detected	150	Not Detected
Methylene Chloride	120	Not Detected	410	Not Detected
Methyl tert-butyl ether	12	Not Detected	43	Not Detected
trans-1,2-Dichloroethene	12	Not Detected	47	Not Detected
Hexane	12	Not Detected	42	Not Detected
1,1-Dichloroethane	12	Not Detected	48	Not Detected
2-Butanone (Methyl Ethyl Ketone)	48	Not Detected	140	Not Detected
cis-1,2-Dichloroethene	12	Not Detected	47	Not Detected
Tetrahydrofuran	12	Not Detected	35	Not Detected
Chloroform	12	22	58	100
1,1,1-Trichloroethane	12	Not Detected	65	Not Detected
Cyclohexane	12	Not Detected	41	Not Detected
Carbon Tetrachloride	12	Not Detected	75	Not Detected
2,2,4-Trimethylpentane	12	Not Detected	56	Not Detected
Benzene	12	Not Detected	38	Not Detected
1,2-Dichloroethane	12	Not Detected	48	Not Detected
Heptane	12	Not Detected	49	Not Detected
Trichloroethene	12	38	64	200
1,2-Dichloropropane	12	Not Detected	55	Not Detected
1,4-Dioxane	48	Not Detected	170	Not Detected
Bromodichloromethane	12	Not Detected	80	Not Detected
cis-1,3-Dichloropropene	12	Not Detected	54	Not Detected
4-Methyl-2-pentanone	12	Not Detected	49	Not Detected
Toluene	12	Not Detected	45	Not Detected
trans-1,3-Dichloropropene	12	Not Detected	54	Not Detected
1,1,2-Trichloroethane	12	Not Detected	65	Not Detected
Tetrachloroethene	12	3200	81	22000
2-Hexanone	48	Not Detected	190	Not Detected

eurofins | Air Toxics

Client Sample ID: National Heatset VP-18 (ISB-2)

Lab ID#: 1602343-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022025**	**Date of Collection:**	**2/16/16 4:50:00 PM**
Dil. Factor:	**23.8**	**Date of Analysis:**	**2/20/16 11:08 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	12	Not Detected	100	Not Detected
1,2-Dibromoethane (EDB)	12	Not Detected	91	Not Detected
Chlorobenzene	12	Not Detected	55	Not Detected
Ethyl Benzene	12	Not Detected	52	Not Detected
m,p-Xylene	12	Not Detected	52	Not Detected
o-Xylene	12	Not Detected	52	Not Detected
Styrene	12	Not Detected	51	Not Detected
Bromoform	12	Not Detected	120	Not Detected
Cumene	12	Not Detected	58	Not Detected
1,1,2,2-Tetrachloroethane	12	Not Detected	82	Not Detected
Propylbenzene	12	Not Detected	58	Not Detected
4-Ethyltoluene	12	Not Detected	58	Not Detected
1,3,5-Trimethylbenzene	12	Not Detected	58	Not Detected
1,2,4-Trimethylbenzene	12	Not Detected	58	Not Detected
1,3-Dichlorobenzene	12	Not Detected	72	Not Detected
1,4-Dichlorobenzene	12	Not Detected	72	Not Detected
alpha-Chlorotoluene	12	Not Detected	62	Not Detected
1,2-Dichlorobenzene	12	Not Detected	72	Not Detected
1,2,4-Trichlorobenzene	48	Not Detected	350	Not Detected
Hexachlorobutadiene	48	Not Detected	510	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: National Heatset IA-01

Lab ID#: 1602343-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022018**	**Date of Collection:**	**2/16/16 2:10:00 PM**
Dil. Factor:	**1.55**	**Date of Analysis:**	**2/20/16 08:21 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.78	Not Detected	3.8	Not Detected
Freon 114	0.78	Not Detected	5.4	Not Detected
Chloromethane	7.8	Not Detected	16	Not Detected
Vinyl Chloride	0.78	Not Detected	2.0	Not Detected
1,3-Butadiene	0.78	Not Detected	1.7	Not Detected
Bromomethane	7.8	Not Detected	30	Not Detected
Chloroethane	3.1	Not Detected	8.2	Not Detected
Freon 11	0.78	Not Detected	4.4	Not Detected
Ethanol	3.1	240	5.8	460
Freon 113	0.78	Not Detected	5.9	Not Detected
1,1-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Acetone	7.8	17	18	40
2-Propanol	3.1	45	7.6	110
Carbon Disulfide	3.1	Not Detected	9.6	Not Detected
3-Chloropropene	3.1	Not Detected	9.7	Not Detected
Methylene Chloride	7.8	Not Detected	27	Not Detected
Methyl tert-butyl ether	0.78	Not Detected	2.8	Not Detected
trans-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Hexane	0.78	Not Detected	2.7	Not Detected
1,1-Dichloroethane	0.78	Not Detected	3.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.1	Not Detected	9.1	Not Detected
cis-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Tetrahydrofuran	0.78	Not Detected	2.3	Not Detected
Chloroform	0.78	Not Detected	3.8	Not Detected
1,1,1-Trichloroethane	0.78	Not Detected	4.2	Not Detected
Cyclohexane	0.78	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.78	Not Detected	4.9	Not Detected
2,2,4-Trimethylpentane	0.78	Not Detected	3.6	Not Detected
Benzene	0.78	Not Detected	2.5	Not Detected
1,2-Dichloroethane	0.78	Not Detected	3.1	Not Detected
Heptane	0.78	Not Detected	3.2	Not Detected
Trichloroethene	0.78	Not Detected	4.2	Not Detected
1,2-Dichloropropane	0.78	Not Detected	3.6	Not Detected
1,4-Dioxane	3.1	Not Detected	11	Not Detected
Bromodichloromethane	0.78	Not Detected	5.2	Not Detected
cis-1,3-Dichloropropene	0.78	Not Detected	3.5	Not Detected
4-Methyl-2-pentanone	0.78	Not Detected	3.2	Not Detected
Toluene	0.78	Not Detected	2.9	Not Detected
trans-1,3-Dichloropropene	0.78	Not Detected	3.5	Not Detected
1,1,2-Trichloroethane	0.78	Not Detected	4.2	Not Detected
Tetrachloroethene	0.78	0.94	5.2	6.4
2-Hexanone	3.1	Not Detected	13	Not Detected

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Client Sample ID: National Heatset IA-01

Lab ID#: 1602343-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022018**	**Date of Collection:**	**2/16/16 2:10:00 PM**
Dil. Factor:	**1.55**	**Date of Analysis:**	**2/20/16 08:21 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.78	Not Detected	6.6	Not Detected
1,2-Dibromoethane (EDB)	0.78	Not Detected	6.0	Not Detected
Chlorobenzene	0.78	Not Detected	3.6	Not Detected
Ethyl Benzene	0.78	Not Detected	3.4	Not Detected
m,p-Xylene	0.78	Not Detected	3.4	Not Detected
o-Xylene	0.78	Not Detected	3.4	Not Detected
Styrene	0.78	Not Detected	3.3	Not Detected
Bromoform	0.78	Not Detected	8.0	Not Detected
Cumene	0.78	Not Detected	3.8	Not Detected
1,1,2,2-Tetrachloroethane	0.78	Not Detected	5.3	Not Detected
Propylbenzene	0.78	Not Detected	3.8	Not Detected
4-Ethyltoluene	0.78	Not Detected	3.8	Not Detected
1,3,5-Trimethylbenzene	0.78	Not Detected	3.8	Not Detected
1,2,4-Trimethylbenzene	0.78	Not Detected	3.8	Not Detected
1,3-Dichlorobenzene	0.78	Not Detected	4.6	Not Detected
1,4-Dichlorobenzene	0.78	Not Detected	4.6	Not Detected
alpha-Chlorotoluene	0.78	Not Detected	4.0	Not Detected
1,2-Dichlorobenzene	0.78	Not Detected	4.6	Not Detected
1,2,4-Trichlorobenzene	3.1	Not Detected	23	Not Detected
Hexachlorobutadiene	3.1	Not Detected	33	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: National Heatset VP-19 (ISB-14)

Lab ID#: 1602343-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022021**	**Date of Collection:**	**2/16/16 2:40:00 PM**
Dil. Factor:	**6.56**	**Date of Analysis:**	**2/20/16 09:35 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	3.3	Not Detected	16	Not Detected
Freon 114	3.3	Not Detected	23	Not Detected
Chloromethane	33	Not Detected	68	Not Detected
Vinyl Chloride	3.3	Not Detected	8.4	Not Detected
1,3-Butadiene	3.3	Not Detected	7.2	Not Detected
Bromomethane	33	Not Detected	130	Not Detected
Chloroethane	13	Not Detected	35	Not Detected
Freon 11	3.3	Not Detected	18	Not Detected
Ethanol	13	14	25	26
Freon 113	3.3	Not Detected	25	Not Detected
1,1-Dichloroethene	3.3	Not Detected	13	Not Detected
Acetone	33	Not Detected	78	Not Detected
2-Propanol	13	Not Detected	32	Not Detected
Carbon Disulfide	13	Not Detected	41	Not Detected
3-Chloropropene	13	Not Detected	41	Not Detected
Methylene Chloride	33	Not Detected	110	Not Detected
Methyl tert-butyl ether	3.3	Not Detected	12	Not Detected
trans-1,2-Dichloroethene	3.3	Not Detected	13	Not Detected
Hexane	3.3	Not Detected	12	Not Detected
1,1-Dichloroethane	3.3	Not Detected	13	Not Detected
2-Butanone (Methyl Ethyl Ketone)	13	Not Detected	39	Not Detected
cis-1,2-Dichloroethene	3.3	Not Detected	13	Not Detected
Tetrahydrofuran	3.3	Not Detected	9.7	Not Detected
Chloroform	3.3	3.7	16	18
1,1,1-Trichloroethane	3.3	Not Detected	18	Not Detected
Cyclohexane	3.3	Not Detected	11	Not Detected
Carbon Tetrachloride	3.3	Not Detected	21	Not Detected
2,2,4-Trimethylpentane	3.3	Not Detected	15	Not Detected
Benzene	3.3	Not Detected	10	Not Detected
1,2-Dichloroethane	3.3	Not Detected	13	Not Detected
Heptane	3.3	Not Detected	13	Not Detected
Trichloroethene	3.3	4.4	18	24
1,2-Dichloropropane	3.3	Not Detected	15	Not Detected
1,4-Dioxane	13	Not Detected	47	Not Detected
Bromodichloromethane	3.3	Not Detected	22	Not Detected
cis-1,3-Dichloropropene	3.3	Not Detected	15	Not Detected
4-Methyl-2-pentanone	3.3	Not Detected	13	Not Detected
Toluene	3.3	Not Detected	12	Not Detected
trans-1,3-Dichloropropene	3.3	Not Detected	15	Not Detected
1,1,2-Trichloroethane	3.3	Not Detected	18	Not Detected
Tetrachloroethene	3.3	680	22	4600
2-Hexanone	13	Not Detected	54	Not Detected

eurofins | Air Toxics

Client Sample ID: National Heatset VP-19 (ISB-14)

Lab ID#: 1602343-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022021**	**Date of Collection:**	**2/16/16 2:40:00 PM**
Dil. Factor:	**6.56**	**Date of Analysis:**	**2/20/16 09:35 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	3.3	Not Detected	28	Not Detected
1,2-Dibromoethane (EDB)	3.3	Not Detected	25	Not Detected
Chlorobenzene	3.3	Not Detected	15	Not Detected
Ethyl Benzene	3.3	Not Detected	14	Not Detected
m,p-Xylene	3.3	Not Detected	14	Not Detected
o-Xylene	3.3	Not Detected	14	Not Detected
Styrene	3.3	Not Detected	14	Not Detected
Bromoform	3.3	Not Detected	34	Not Detected
Cumene	3.3	Not Detected	16	Not Detected
1,1,2,2-Tetrachloroethane	3.3	Not Detected	22	Not Detected
Propylbenzene	3.3	Not Detected	16	Not Detected
4-Ethyltoluene	3.3	Not Detected	16	Not Detected
1,3,5-Trimethylbenzene	3.3	Not Detected	16	Not Detected
1,2,4-Trimethylbenzene	3.3	Not Detected	16	Not Detected
1,3-Dichlorobenzene	3.3	Not Detected	20	Not Detected
1,4-Dichlorobenzene	3.3	Not Detected	20	Not Detected
alpha-Chlorotoluene	3.3	Not Detected	17	Not Detected
1,2-Dichlorobenzene	3.3	Not Detected	20	Not Detected
1,2,4-Trichlorobenzene	13	Not Detected	97	Not Detected
Hexachlorobutadiene	13	Not Detected	140	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1602343-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022005**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/20/16 10:29 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 1602343-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022005**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/20/16 10:29 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	108	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: CCV

Lab ID#: 1602343-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/20/16 08:55 AM**	

Compound	%Recovery
Freon 12	100
Freon 114	93
Chloromethane	106
Vinyl Chloride	100
1,3-Butadiene	93
Bromomethane	100
Chloroethane	100
Freon 11	96
Ethanol	102
Freon 113	93
1,1-Dichloroethene	96
Acetone	100
2-Propanol	103
Carbon Disulfide	98
3-Chloropropene	99
Methylene Chloride	101
Methyl tert-butyl ether	97
trans-1,2-Dichloroethene	100
Hexane	98
1,1-Dichloroethane	100
2-Butanone (Methyl Ethyl Ketone)	98
cis-1,2-Dichloroethene	97
Tetrahydrofuran	97
Chloroform	96
1,1,1-Trichloroethane	95
Cyclohexane	95
Carbon Tetrachloride	92
2,2,4-Trimethylpentane	99
Benzene	96
1,2-Dichloroethane	98
Heptane	94
Trichloroethene	95
1,2-Dichloropropane	94
1,4-Dioxane	90
Bromodichloromethane	96
cis-1,3-Dichloropropene	95
4-Methyl-2-pentanone	93
Toluene	93
trans-1,3-Dichloropropene	99
1,1,2-Trichloroethane	93
Tetrachloroethene	94
2-Hexanone	96

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Client Sample ID: CCV

Lab ID#: 1602343-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/20/16 08:55 AM**	

Compound	%Recovery
Dibromochloromethane	96
1,2-Dibromoethane (EDB)	96
Chlorobenzene	94
Ethyl Benzene	95
m,p-Xylene	96
o-Xylene	96
Styrene	97
Bromoform	99
Cumene	97
1,1,2,2-Tetrachloroethane	96
Propylbenzene	96
4-Ethyltoluene	96
1,3,5-Trimethylbenzene	96
1,2,4-Trimethylbenzene	97
1,3-Dichlorobenzene	94
1,4-Dichlorobenzene	93
alpha-Chlorotoluene	98
1,2-Dichlorobenzene	92
1,2,4-Trichlorobenzene	98
Hexachlorobutadiene	96

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: LCS

Lab ID#: 1602343-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/20/16 09:19 AM**	

Compound	%Recovery	Method Limits
Freon 12	103	70-130
Freon 114	99	70-130
Chloromethane	106	70-130
Vinyl Chloride	104	70-130
1,3-Butadiene	94	70-130
Bromomethane	104	70-130
Chloroethane	104	70-130
Freon 11	98	70-130
Ethanol	109	70-130
Freon 113	90	70-130
1,1-Dichloroethene	96	70-130
Acetone	100	70-130
2-Propanol	107	70-130
Carbon Disulfide	88	70-130
3-Chloropropene	89	70-130
Methylene Chloride	101	70-130
Methyl tert-butyl ether	96	70-130
trans-1,2-Dichloroethene	98	70-130
Hexane	99	70-130
1,1-Dichloroethane	101	70-130
2-Butanone (Methyl Ethyl Ketone)	98	70-130
cis-1,2-Dichloroethene	94	70-130
Tetrahydrofuran	96	70-130
Chloroform	98	70-130
1,1,1-Trichloroethane	94	70-130
Cyclohexane	96	70-130
Carbon Tetrachloride	92	70-130
2,2,4-Trimethylpentane	100	70-130
Benzene	95	70-130
1,2-Dichloroethane	96	70-130
Heptane	93	70-130
Trichloroethene	95	70-130
1,2-Dichloropropane	94	70-130
1,4-Dioxane	91	70-130
Bromodichloromethane	98	70-130
cis-1,3-Dichloropropene	90	70-130
4-Methyl-2-pentanone	93	70-130
Toluene	93	70-130
trans-1,3-Dichloropropene	94	70-130
1,1,2-Trichloroethane	90	70-130
Tetrachloroethene	93	70-130
2-Hexanone	92	70-130

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Client Sample ID: LCS

Lab ID#: 1602343-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/20/16 09:19 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	94	70-130
1,2-Dibromoethane (EDB)	94	70-130
Chlorobenzene	91	70-130
Ethyl Benzene	92	70-130
m,p-Xylene	93	70-130
o-Xylene	94	70-130
Styrene	95	70-130
Bromoform	97	70-130
Cumene	94	70-130
1,1,2,2-Tetrachloroethane	94	70-130
Propylbenzene	94	70-130
4-Ethyltoluene	92	70-130
1,3,5-Trimethylbenzene	97	70-130
1,2,4-Trimethylbenzene	95	70-130
1,3-Dichlorobenzene	92	70-130
1,4-Dichlorobenzene	91	70-130
alpha-Chlorotoluene	99	70-130
1,2-Dichlorobenzene	90	70-130
1,2,4-Trichlorobenzene	90	70-130
Hexachlorobutadiene	90	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	108	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: LCSD

Lab ID#: 1602343-11AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/20/16 09:43 AM**	

Compound	%Recovery	Method Limits
Freon 12	105	70-130
Freon 114	102	70-130
Chloromethane	109	70-130
Vinyl Chloride	107	70-130
1,3-Butadiene	96	70-130
Bromomethane	105	70-130
Chloroethane	102	70-130
Freon 11	100	70-130
Ethanol	111	70-130
Freon 113	94	70-130
1,1-Dichloroethene	99	70-130
Acetone	100	70-130
2-Propanol	109	70-130
Carbon Disulfide	90	70-130
3-Chloropropene	95	70-130
Methylene Chloride	103	70-130
Methyl tert-butyl ether	98	70-130
trans-1,2-Dichloroethene	103	70-130
Hexane	102	70-130
1,1-Dichloroethane	103	70-130
2-Butanone (Methyl Ethyl Ketone)	95	70-130
cis-1,2-Dichloroethene	96	70-130
Tetrahydrofuran	100	70-130
Chloroform	99	70-130
1,1,1-Trichloroethane	96	70-130
Cyclohexane	98	70-130
Carbon Tetrachloride	95	70-130
2,2,4-Trimethylpentane	102	70-130
Benzene	93	70-130
1,2-Dichloroethane	95	70-130
Heptane	93	70-130
Trichloroethene	91	70-130
1,2-Dichloropropane	92	70-130
1,4-Dioxane	87	70-130
Bromodichloromethane	96	70-130
cis-1,3-Dichloropropene	90	70-130
4-Methyl-2-pentanone	89	70-130
Toluene	90	70-130
trans-1,3-Dichloropropene	96	70-130
1,1,2-Trichloroethane	91	70-130
Tetrachloroethene	92	70-130
2-Hexanone	92	70-130

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Client Sample ID: LCSD

Lab ID#: 1602343-11AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3022004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/20/16 09:43 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	95	70-130
1,2-Dibromoethane (EDB)	93	70-130
Chlorobenzene	91	70-130
Ethyl Benzene	92	70-130
m,p-Xylene	94	70-130
o-Xylene	95	70-130
Styrene	95	70-130
Bromoform	97	70-130
Cumene	94	70-130
1,1,2,2-Tetrachloroethane	93	70-130
Propylbenzene	95	70-130
4-Ethyltoluene	90	70-130
1,3,5-Trimethylbenzene	97	70-130
1,2,4-Trimethylbenzene	96	70-130
1,3-Dichlorobenzene	92	70-130
1,4-Dichlorobenzene	91	70-130
alpha-Chlorotoluene	100	70-130
1,2-Dichlorobenzene	90	70-130
1,2,4-Trichlorobenzene	101	70-130
Hexachlorobutadiene	100	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	102	70-130

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3/23/2016
Mr. Jim Hayward
EA Engineering
6712 Brooklawn Parkway

Syracuse NY 13211

Project Name: National Heatset
Project #: 1490716
Workorder #: 1603240

Dear Mr. Jim Hayward

The following report includes the data for the above referenced project for sample(s) received on 3/10/2016 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

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WORK ORDER #: 1603240

Work Order Summary

CLIENT:	Mr. Jim Hayward EA Engineering 6712 Brooklawn Parkway Syracuse, NY 13211	**BILL TO:**	Accounts Payable EA Engineering 3 Washington Center Newburgh, NY 12550
PHONE:	315-431-4610	**P.O. #**	1490716
FAX:	315-431-4280	**PROJECT #**	1490716 National Heatset
DATE RECEIVED:	03/10/2016	**CONTACT:**	Ausha Scott
DATE COMPLETED:	03/23/2016		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	National Heatset IA-01-030916	TO-15	4.3 "Hg	5.1 psi
02A	National Heatset IA-02-030916	TO-15	5.1 "Hg	5 psi
03A	Lab Blank	TO-15	NA	NA
04A	CCV	TO-15	NA	NA
05A	LCS	TO-15	NA	NA
05AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Mayo DATE: 03/23/16

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704434-15-9, UT NELAP CA0093332015-6, VA NELAP - 8113, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2015, Expiration date: 10/17/2016.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15
EA Engineering
Workorder# 1603240

Two 6 Liter Summa Canister samples were received on March 10, 2016. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: National Heatset IA-01-030916

Lab ID#: 1603240-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	3.1	320 E	5.9	600 E
Acetone	7.8	20	19	48
2-Propanol	3.1	88	7.7	220
2-Butanone (Methyl Ethyl Ketone)	3.1	4.5	9.2	13
Toluene	0.78	1.2	3.0	4.4
m,p-Xylene	0.78	0.85	3.4	3.7

Client Sample ID: National Heatset IA-02-030916

Lab ID#: 1603240-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	3.2	290	6.1	540
Acetone	8.0	20	19	48
2-Propanol	3.2	77	7.9	190
2-Butanone (Methyl Ethyl Ketone)	3.2	3.8	9.5	11
Toluene	0.80	0.97	3.0	3.6

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Client Sample ID: National Heatset IA-01-030916

Lab ID#: 1603240-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p031907**	**Date of Collection: 3/9/16 3:15:00 PM**	
Dil. Factor:	**1.57**	**Date of Analysis: 3/19/16 01:20 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.78	Not Detected	3.9	Not Detected
Freon 114	0.78	Not Detected	5.5	Not Detected
Chloromethane	7.8	Not Detected	16	Not Detected
Vinyl Chloride	0.78	Not Detected	2.0	Not Detected
1,3-Butadiene	0.78	Not Detected	1.7	Not Detected
Bromomethane	7.8	Not Detected	30	Not Detected
Chloroethane	3.1	Not Detected	8.3	Not Detected
Freon 11	0.78	Not Detected	4.4	Not Detected
Ethanol	3.1	320 E	5.9	600 E
Freon 113	0.78	Not Detected	6.0	Not Detected
1,1-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Acetone	7.8	20	19	48
2-Propanol	3.1	88	7.7	220
Carbon Disulfide	3.1	Not Detected	9.8	Not Detected
3-Chloropropene	3.1	Not Detected	9.8	Not Detected
Methylene Chloride	7.8	Not Detected	27	Not Detected
Methyl tert-butyl ether	0.78	Not Detected	2.8	Not Detected
trans-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Hexane	0.78	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.78	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.1	4.5	9.2	13
cis-1,2-Dichloroethene	0.78	Not Detected	3.1	Not Detected
Tetrahydrofuran	0.78	Not Detected	2.3	Not Detected
Chloroform	0.78	Not Detected	3.8	Not Detected
1,1,1-Trichloroethane	0.78	Not Detected	4.3	Not Detected
Cyclohexane	0.78	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.78	Not Detected	4.9	Not Detected
2,2,4-Trimethylpentane	0.78	Not Detected	3.7	Not Detected
Benzene	0.78	Not Detected	2.5	Not Detected
1,2-Dichloroethane	0.78	Not Detected	3.2	Not Detected
Heptane	0.78	Not Detected	3.2	Not Detected
Trichloroethene	0.78	Not Detected	4.2	Not Detected
1,2-Dichloropropane	0.78	Not Detected	3.6	Not Detected
1,4-Dioxane	3.1	Not Detected	11	Not Detected
Bromodichloromethane	0.78	Not Detected	5.2	Not Detected
cis-1,3-Dichloropropene	0.78	Not Detected	3.6	Not Detected
4-Methyl-2-pentanone	0.78	Not Detected	3.2	Not Detected
Toluene	0.78	1.2	3.0	4.4
trans-1,3-Dichloropropene	0.78	Not Detected	3.6	Not Detected
1,1,2-Trichloroethane	0.78	Not Detected	4.3	Not Detected
Tetrachloroethene	0.78	Not Detected	5.3	Not Detected
2-Hexanone	3.1	Not Detected	13	Not Detected

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Client Sample ID: National Heatset IA-01-030916

Lab ID#: 1603240-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p031907**	**Date of Collection: 3/9/16 3:15:00 PM**	
Dil. Factor:	**1.57**	**Date of Analysis: 3/19/16 01:20 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.78	Not Detected	6.7	Not Detected
1,2-Dibromoethane (EDB)	0.78	Not Detected	6.0	Not Detected
Chlorobenzene	0.78	Not Detected	3.6	Not Detected
Ethyl Benzene	0.78	Not Detected	3.4	Not Detected
m,p-Xylene	0.78	0.85	3.4	3.7
o-Xylene	0.78	Not Detected	3.4	Not Detected
Styrene	0.78	Not Detected	3.3	Not Detected
Bromoform	0.78	Not Detected	8.1	Not Detected
Cumene	0.78	Not Detected	3.8	Not Detected
1,1,2,2-Tetrachloroethane	0.78	Not Detected	5.4	Not Detected
Propylbenzene	0.78	Not Detected	3.8	Not Detected
4-Ethyltoluene	0.78	Not Detected	3.8	Not Detected
1,3,5-Trimethylbenzene	0.78	Not Detected	3.8	Not Detected
1,2,4-Trimethylbenzene	0.78	Not Detected	3.8	Not Detected
1,3-Dichlorobenzene	0.78	Not Detected	4.7	Not Detected
1,4-Dichlorobenzene	0.78	Not Detected	4.7	Not Detected
alpha-Chlorotoluene	0.78	Not Detected	4.1	Not Detected
1,2-Dichlorobenzene	0.78	Not Detected	4.7	Not Detected
1,2,4-Trichlorobenzene	3.1	Not Detected	23	Not Detected
Hexachlorobutadiene	3.1	Not Detected	33	Not Detected

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	107	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: National Heatset IA-02-030916

Lab ID#: 1603240-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p031908**	**Date of Collection:**	**3/9/16 3:40:00 PM**
Dil. Factor:	**1.61**	**Date of Analysis:**	**3/19/16 01:47 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.80	Not Detected	4.0	Not Detected
Freon 114	0.80	Not Detected	5.6	Not Detected
Chloromethane	8.0	Not Detected	17	Not Detected
Vinyl Chloride	0.80	Not Detected	2.0	Not Detected
1,3-Butadiene	0.80	Not Detected	1.8	Not Detected
Bromomethane	8.0	Not Detected	31	Not Detected
Chloroethane	3.2	Not Detected	8.5	Not Detected
Freon 11	0.80	Not Detected	4.5	Not Detected
Ethanol	3.2	290	6.1	540
Freon 113	0.80	Not Detected	6.2	Not Detected
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Acetone	8.0	20	19	48
2-Propanol	3.2	77	7.9	190
Carbon Disulfide	3.2	Not Detected	10	Not Detected
3-Chloropropene	3.2	Not Detected	10	Not Detected
Methylene Chloride	8.0	Not Detected	28	Not Detected
Methyl tert-butyl ether	0.80	Not Detected	2.9	Not Detected
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Hexane	0.80	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.80	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.2	3.8	9.5	11
cis-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Tetrahydrofuran	0.80	Not Detected	2.4	Not Detected
Chloroform	0.80	Not Detected	3.9	Not Detected
1,1,1-Trichloroethane	0.80	Not Detected	4.4	Not Detected
Cyclohexane	0.80	Not Detected	2.8	Not Detected
Carbon Tetrachloride	0.80	Not Detected	5.1	Not Detected
2,2,4-Trimethylpentane	0.80	Not Detected	3.8	Not Detected
Benzene	0.80	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.80	Not Detected	3.2	Not Detected
Heptane	0.80	Not Detected	3.3	Not Detected
Trichloroethene	0.80	Not Detected	4.3	Not Detected
1,2-Dichloropropane	0.80	Not Detected	3.7	Not Detected
1,4-Dioxane	3.2	Not Detected	12	Not Detected
Bromodichloromethane	0.80	Not Detected	5.4	Not Detected
cis-1,3-Dichloropropene	0.80	Not Detected	3.6	Not Detected
4-Methyl-2-pentanone	0.80	Not Detected	3.3	Not Detected
Toluene	0.80	0.97	3.0	3.6
trans-1,3-Dichloropropene	0.80	Not Detected	3.6	Not Detected
1,1,2-Trichloroethane	0.80	Not Detected	4.4	Not Detected
Tetrachloroethene	0.80	Not Detected	5.5	Not Detected
2-Hexanone	3.2	Not Detected	13	Not Detected

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Client Sample ID: National Heatset IA-02-030916

Lab ID#: 1603240-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p031908**	**Date of Collection:**	**3/9/16 3:40:00 PM**
Dil. Factor:	**1.61**	**Date of Analysis:**	**3/19/16 01:47 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.80	Not Detected	6.8	Not Detected
1,2-Dibromoethane (EDB)	0.80	Not Detected	6.2	Not Detected
Chlorobenzene	0.80	Not Detected	3.7	Not Detected
Ethyl Benzene	0.80	Not Detected	3.5	Not Detected
m,p-Xylene	0.80	Not Detected	3.5	Not Detected
o-Xylene	0.80	Not Detected	3.5	Not Detected
Styrene	0.80	Not Detected	3.4	Not Detected
Bromoform	0.80	Not Detected	8.3	Not Detected
Cumene	0.80	Not Detected	4.0	Not Detected
1,1,2,2-Tetrachloroethane	0.80	Not Detected	5.5	Not Detected
Propylbenzene	0.80	Not Detected	4.0	Not Detected
4-Ethyltoluene	0.80	Not Detected	4.0	Not Detected
1,3,5-Trimethylbenzene	0.80	Not Detected	4.0	Not Detected
1,2,4-Trimethylbenzene	0.80	Not Detected	4.0	Not Detected
1,3-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
1,4-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
alpha-Chlorotoluene	0.80	Not Detected	4.2	Not Detected
1,2-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
1,2,4-Trichlorobenzene	3.2	Not Detected	24	Not Detected
Hexachlorobutadiene	3.2	Not Detected	34	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1603240-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p031906**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/16 12:06 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 1603240-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p031906**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/16 12:06 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: CCV

Lab ID#: 1603240-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p031902**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/16 09:31 AM**	

Compound	%Recovery
Freon 12	101
Freon 114	104
Chloromethane	152 Q
Vinyl Chloride	122
1,3-Butadiene	111
Bromomethane	118
Chloroethane	102
Freon 11	102
Ethanol	125
Freon 113	98
1,1-Dichloroethene	102
Acetone	99
2-Propanol	102
Carbon Disulfide	98
3-Chloropropene	94
Methylene Chloride	127
Methyl tert-butyl ether	92
trans-1,2-Dichloroethene	104
Hexane	106
1,1-Dichloroethane	108
2-Butanone (Methyl Ethyl Ketone)	92
cis-1,2-Dichloroethene	96
Tetrahydrofuran	122
Chloroform	102
1,1,1-Trichloroethane	98
Cyclohexane	89
Carbon Tetrachloride	101
2,2,4-Trimethylpentane	108
Benzene	99
1,2-Dichloroethane	113
Heptane	84
Trichloroethene	104
1,2-Dichloropropane	106
1,4-Dioxane	98
Bromodichloromethane	104
cis-1,3-Dichloropropene	103
4-Methyl-2-pentanone	109
Toluene	99
trans-1,3-Dichloropropene	104
1,1,2-Trichloroethane	100
Tetrachloroethene	101
2-Hexanone	112

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Client Sample ID: CCV

Lab ID#: 1603240-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p031902**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/16 09:31 AM**	

Compound	%Recovery
Dibromochloromethane	104
1,2-Dibromoethane (EDB)	103
Chlorobenzene	104
Ethyl Benzene	99
m,p-Xylene	98
o-Xylene	98
Styrene	103
Bromoform	102
Cumene	96
1,1,2,2-Tetrachloroethane	96
Propylbenzene	97
4-Ethyltoluene	94
1,3,5-Trimethylbenzene	101
1,2,4-Trimethylbenzene	98
1,3-Dichlorobenzene	100
1,4-Dichlorobenzene	98
alpha-Chlorotoluene	98
1,2-Dichlorobenzene	99
1,2,4-Trichlorobenzene	113
Hexachlorobutadiene	115

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: LCS

Lab ID#: 1603240-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p031903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/16 09:55 AM**	

Compound	%Recovery	Method Limits
Freon 12	107	70-130
Freon 114	115	70-130
Chloromethane	142 Q	70-130
Vinyl Chloride	117	70-130
1,3-Butadiene	115	70-130
Bromomethane	118	70-130
Chloroethane	110	70-130
Freon 11	108	70-130
Ethanol	128	70-130
Freon 113	99	70-130
1,1-Dichloroethene	102	70-130
Acetone	93	70-130
2-Propanol	109	70-130
Carbon Disulfide	88	70-130
3-Chloropropene	91	70-130
Methylene Chloride	129	70-130
Methyl tert-butyl ether	94	70-130
trans-1,2-Dichloroethene	105	70-130
Hexane	111	70-130
1,1-Dichloroethane	112	70-130
2-Butanone (Methyl Ethyl Ketone)	95	70-130
cis-1,2-Dichloroethene	96	70-130
Tetrahydrofuran	125	70-130
Chloroform	104	70-130
1,1,1-Trichloroethane	102	70-130
Cyclohexane	91	70-130
Carbon Tetrachloride	104	70-130
2,2,4-Trimethylpentane	111	70-130
Benzene	100	70-130
1,2-Dichloroethane	114	70-130
Heptane	84	70-130
Trichloroethene	106	70-130
1,2-Dichloropropane	105	70-130
1,4-Dioxane	98	70-130
Bromodichloromethane	106	70-130
cis-1,3-Dichloropropene	95	70-130
4-Methyl-2-pentanone	107	70-130
Toluene	100	70-130
trans-1,3-Dichloropropene	107	70-130
1,1,2-Trichloroethane	103	70-130
Tetrachloroethene	104	70-130
2-Hexanone	118	70-130

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Client Sample ID: LCS

Lab ID#: 1603240-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p031903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/16 09:55 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	105	70-130
1,2-Dibromoethane (EDB)	103	70-130
Chlorobenzene	102	70-130
Ethyl Benzene	99	70-130
m,p-Xylene	102	70-130
o-Xylene	102	70-130
Styrene	110	70-130
Bromoform	108	70-130
Cumene	98	70-130
1,1,2,2-Tetrachloroethane	98	70-130
Propylbenzene	102	70-130
4-Ethyltoluene	96	70-130
1,3,5-Trimethylbenzene	105	70-130
1,2,4-Trimethylbenzene	103	70-130
1,3-Dichlorobenzene	104	70-130
1,4-Dichlorobenzene	103	70-130
alpha-Chlorotoluene	105	70-130
1,2-Dichlorobenzene	103	70-130
1,2,4-Trichlorobenzene	126	70-130
Hexachlorobutadiene	128	70-130

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: LCSD

Lab ID#: 1603240-05AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p031904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/16 10:20 AM**	

Compound	%Recovery	Method Limits
Freon 12	104	70-130
Freon 114	109	70-130
Chloromethane	139 Q	70-130
Vinyl Chloride	125	70-130
1,3-Butadiene	112	70-130
Bromomethane	116	70-130
Chloroethane	104	70-130
Freon 11	105	70-130
Ethanol	122	70-130
Freon 113	95	70-130
1,1-Dichloroethene	98	70-130
Acetone	92	70-130
2-Propanol	104	70-130
Carbon Disulfide	86	70-130
3-Chloropropene	88	70-130
Methylene Chloride	125	70-130
Methyl tert-butyl ether	91	70-130
trans-1,2-Dichloroethene	107	70-130
Hexane	104	70-130
1,1-Dichloroethane	106	70-130
2-Butanone (Methyl Ethyl Ketone)	93	70-130
cis-1,2-Dichloroethene	94	70-130
Tetrahydrofuran	121	70-130
Chloroform	100	70-130
1,1,1-Trichloroethane	94	70-130
Cyclohexane	88	70-130
Carbon Tetrachloride	100	70-130
2,2,4-Trimethylpentane	107	70-130
Benzene	100	70-130
1,2-Dichloroethane	113	70-130
Heptane	84	70-130
Trichloroethene	104	70-130
1,2-Dichloropropane	110	70-130
1,4-Dioxane	98	70-130
Bromodichloromethane	107	70-130
cis-1,3-Dichloropropene	95	70-130
4-Methyl-2-pentanone	109	70-130
Toluene	98	70-130
trans-1,3-Dichloropropene	102	70-130
1,1,2-Trichloroethane	99	70-130
Tetrachloroethene	102	70-130
2-Hexanone	114	70-130

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Client Sample ID: LCSD

Lab ID#: 1603240-05AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p031904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/19/16 10:20 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	104	70-130
1,2-Dibromoethane (EDB)	101	70-130
Chlorobenzene	101	70-130
Ethyl Benzene	97	70-130
m,p-Xylene	98	70-130
o-Xylene	99	70-130
Styrene	106	70-130
Bromoform	105	70-130
Cumene	97	70-130
1,1,2,2-Tetrachloroethane	94	70-130
Propylbenzene	98	70-130
4-Ethyltoluene	97	70-130
1,3,5-Trimethylbenzene	103	70-130
1,2,4-Trimethylbenzene	99	70-130
1,3-Dichlorobenzene	101	70-130
1,4-Dichlorobenzene	100	70-130
alpha-Chlorotoluene	103	70-130
1,2-Dichlorobenzene	101	70-130
1,2,4-Trichlorobenzene	128	70-130
Hexachlorobutadiene	130	70-130

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	101	70-130

Hampton-Clarke Report Of Analysis

Client: EA Engineering, Science & Technology **HC Project #:** 6021601

Project: NYSDEC National Heatset

Sample ID: 152140-ISB-1-6-7.5 **Collection Date: 2/9/2016**
Lab#: AC89697-001 **Receipt Date: 2/16/2016**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		98

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.907	mg/kg	0.0019	ND
1,1,2,2-Tetrachloroethane	0.907	mg/kg	0.0019	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.907	mg/kg	0.0019	ND
1,1,2-Trichloroethane	0.907	mg/kg	0.0019	ND
1,1-Dichloroethane	0.907	mg/kg	0.0019	ND
1,1-Dichloroethene	0.907	mg/kg	0.0019	ND
1,2,4-Trichlorobenzene	0.907	mg/kg	0.0019	ND
1,2-Dibromo-3-chloropropane	0.907	mg/kg	0.0019	ND
1,2-Dibromoethane	0.907	mg/kg	0.0019	ND
1,2-Dichlorobenzene	0.907	mg/kg	0.0019	ND
1,2-Dichloroethane	0.907	mg/kg	0.00093	ND
1,2-Dichloropropane	0.907	mg/kg	0.0019	ND
1,3-Dichlorobenzene	0.907	mg/kg	0.0019	ND
1,4-Dichlorobenzene	0.907	mg/kg	0.0019	ND
2-Butanone	0.907	mg/kg	0.0019	ND
2-Hexanone	0.907	mg/kg	0.0019	ND
4-Methyl-2-pentanone	0.907	mg/kg	0.0019	ND
Acetone	0.907	mg/kg	0.0093	ND
Benzene	0.907	mg/kg	0.00093	ND
Bromodichloromethane	0.907	mg/kg	0.0019	ND
Bromoform	0.907	mg/kg	0.0019	ND
Bromomethane	0.907	mg/kg	0.0019	ND
Carbon disulfide	0.907	mg/kg	0.0019	ND
Carbon tetrachloride	0.907	mg/kg	0.0019	ND
Chlorobenzene	0.907	mg/kg	0.0019	ND
Chloroethane	0.907	mg/kg	0.0019	ND
Chloroform	0.907	mg/kg	0.0019	ND
Chloromethane	0.907	mg/kg	0.0019	ND
cis-1,2-Dichloroethene	0.907	mg/kg	0.0019	ND
cis-1,3-Dichloropropene	0.907	mg/kg	0.0019	ND
Cyclohexane	0.907	mg/kg	0.0019	ND
Dibromochloromethane	0.907	mg/kg	0.0019	ND
Dichlorodifluoromethane	0.907	mg/kg	0.0019	ND
Ethylbenzene	0.907	mg/kg	0.00093	ND
Isopropylbenzene	0.907	mg/kg	0.00093	ND
m&p-Xylenes	0.907	mg/kg	0.00093	ND
Methyl Acetate	0.907	mg/kg	0.0019	ND
Methylcyclohexane	0.907	mg/kg	0.0019	ND
Methylene chloride	0.907	mg/kg	0.0019	ND
Methyl-t-butyl ether	0.907	mg/kg	0.00093	ND
o-Xylene	0.907	mg/kg	0.00093	ND
Styrene	0.907	mg/kg	0.0019	ND
Tetrachloroethene	0.907	mg/kg	0.0019	ND
Toluene	0.907	mg/kg	0.00093	ND
trans-1,2-Dichloroethene	0.907	mg/kg	0.0019	ND
trans-1,3-Dichloropropene	0.907	mg/kg	0.0019	ND
Trichloroethene	0.907	mg/kg	0.0019	ND
Trichlorofluoromethane	0.907	mg/kg	0.0019	ND
Vinyl chloride	0.907	mg/kg	0.0019	ND
Xylenes (Total)	0.907	mg/kg	0.00093	ND

Sample ID: 152140-ISB-1-6-7.5 **Collection Date: 2/9/2016**
Lab#: AC89697-001 **Receipt Date: 2/16/2016**
Matrix: Soil

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	27.35	30	70	130	91	
Dibromofluoromethane	30.74	30	70	130	102	
Bromofluorobenzene	28.37	30	70	130	95	
1,2-Dichloroethane-d4	31.44	30	70	130	105	

Sample ID: 152140-ISB-1-1.5 | **Collection Date: 2/9/2016**
Lab#: AC89697-002 | **Receipt Date: 2/16/2016**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**91**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.84	mg/kg	0.0018	ND
1,1,2,2-Tetrachloroethane	0.84	mg/kg	0.0018	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.84	mg/kg	0.0018	ND
1,1,2-Trichloroethane	0.84	mg/kg	0.0018	ND
1,1-Dichloroethane	0.84	mg/kg	0.0018	ND
1,1-Dichloroethene	0.84	mg/kg	0.0018	ND
1,2,4-Trichlorobenzene	0.84	mg/kg	0.0018	ND
1,2-Dibromo-3-chloropropane	0.84	mg/kg	0.0018	ND
1,2-Dibromoethane	0.84	mg/kg	0.0018	ND
1,2-Dichlorobenzene	0.84	mg/kg	0.0018	ND
1,2-Dichloroethane	0.84	mg/kg	0.00092	ND
1,2-Dichloropropane	0.84	mg/kg	0.0018	ND
1,3-Dichlorobenzene	0.84	mg/kg	0.0018	ND
1,4-Dichlorobenzene	0.84	mg/kg	0.0018	ND
2-Butanone	0.84	mg/kg	0.0018	ND
2-Hexanone	0.84	mg/kg	0.0018	ND
4-Methyl-2-pentanone	0.84	mg/kg	0.0018	ND
Acetone	**0.84**	**mg/kg**	**0.0092**	**0.052**
Benzene	0.84	mg/kg	0.00092	ND
Bromodichloromethane	0.84	mg/kg	0.0018	ND
Bromoform	0.84	mg/kg	0.0018	ND
Bromomethane	0.84	mg/kg	0.0018	ND
Carbon disulfide	0.84	mg/kg	0.0018	ND
Carbon tetrachloride	0.84	mg/kg	0.0018	ND
Chlorobenzene	0.84	mg/kg	0.0018	ND
Chloroethane	0.84	mg/kg	0.0018	ND
Chloroform	0.84	mg/kg	0.0018	ND
Chloromethane	0.84	mg/kg	0.0018	ND
cis-1,2-Dichloroethene	0.84	mg/kg	0.0018	ND
cis-1,3-Dichloropropene	0.84	mg/kg	0.0018	ND
Cyclohexane	0.84	mg/kg	0.0018	ND
Dibromochloromethane	0.84	mg/kg	0.0018	ND
Dichlorodifluoromethane	0.84	mg/kg	0.0018	ND
Ethylbenzene	0.84	mg/kg	0.00092	ND
Isopropylbenzene	0.84	mg/kg	0.00092	ND
m&p-Xylenes	0.84	mg/kg	0.00092	ND
Methyl Acetate	0.84	mg/kg	0.0018	ND
Methylcyclohexane	0.84	mg/kg	0.0018	ND
Methylene chloride	**0.84**	**mg/kg**	**0.0018**	**0.0032**
Methyl-t-butyl ether	0.84	mg/kg	0.00092	ND
o-Xylene	0.84	mg/kg	0.00092	ND
Styrene	0.84	mg/kg	0.0018	ND
Tetrachloroethene	**0.84**	**mg/kg**	**0.0018**	**0.0022**
Toluene	0.84	mg/kg	0.00092	ND
trans-1,2-Dichloroethene	0.84	mg/kg	0.0018	ND
trans-1,3-Dichloropropene	0.84	mg/kg	0.0018	ND
Trichloroethene	0.84	mg/kg	0.0018	ND
Trichlorofluoromethane	0.84	mg/kg	0.0018	ND
Vinyl chloride	0.84	mg/kg	0.0018	ND
Xylenes (Total)	0.84	mg/kg	0.00092	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	26.93	30	70	130	90	
Dibromofluoromethane	27.56	30	70	130	92	
Bromofluorobenzene	27.14	30	70	130	90	
1,2-Dichloroethane-d4	30.47	30	70	130	102	

Sample ID: 152140-ISB-3-3-4 | **Collection Date: 2/9/2016**
Lab#: AC89697-003 | **Receipt Date: 2/16/2016**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**91**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.838	mg/kg	0.0018	ND
1,1,2,2-Tetrachloroethane	0.838	mg/kg	0.0018	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.838	mg/kg	0.0018	ND
1,1,2-Trichloroethane	0.838	mg/kg	0.0018	ND
1,1-Dichloroethane	0.838	mg/kg	0.0018	ND
1,1-Dichloroethene	0.838	mg/kg	0.0018	ND
1,2,4-Trichlorobenzene	0.838	mg/kg	0.0018	ND
1,2-Dibromo-3-chloropropane	0.838	mg/kg	0.0018	ND
1,2-Dibromoethane	0.838	mg/kg	0.0018	ND
1,2-Dichlorobenzene	0.838	mg/kg	0.0018	ND
1,2-Dichloroethane	0.838	mg/kg	0.00092	ND
1,2-Dichloropropane	0.838	mg/kg	0.0018	ND
1,3-Dichlorobenzene	0.838	mg/kg	0.0018	ND
1,4-Dichlorobenzene	0.838	mg/kg	0.0018	ND
2-Butanone	0.838	mg/kg	0.0018	ND
2-Hexanone	0.838	mg/kg	0.0018	ND
4-Methyl-2-pentanone	0.838	mg/kg	0.0018	ND
Acetone	0.838	mg/kg	0.0092	ND
Benzene	0.838	mg/kg	0.00092	ND
Bromodichloromethane	0.838	mg/kg	0.0018	ND
Bromoform	0.838	mg/kg	0.0018	ND
Bromomethane	0.838	mg/kg	0.0018	ND
Carbon disulfide	0.838	mg/kg	0.0018	ND
Carbon tetrachloride	0.838	mg/kg	0.0018	ND
Chlorobenzene	0.838	mg/kg	0.0018	ND
Chloroethane	0.838	mg/kg	0.0018	ND
Chloroform	0.838	mg/kg	0.0018	ND
Chloromethane	0.838	mg/kg	0.0018	ND
cis-1,2-Dichloroethene	0.838	mg/kg	0.0018	ND
cis-1,3-Dichloropropene	0.838	mg/kg	0.0018	ND
Cyclohexane	0.838	mg/kg	0.0018	ND
Dibromochloromethane	0.838	mg/kg	0.0018	ND
Dichlorodifluoromethane	0.838	mg/kg	0.0018	ND
Ethylbenzene	0.838	mg/kg	0.00092	ND
Isopropylbenzene	0.838	mg/kg	0.00092	ND
m&p-Xylenes	0.838	mg/kg	0.00092	ND
Methyl Acetate	0.838	mg/kg	0.0018	ND
Methylcyclohexane	0.838	mg/kg	0.0018	ND
Methylene chloride	0.838	mg/kg	0.0018	ND
Methyl-t-butyl ether	0.838	mg/kg	0.00092	ND
o-Xylene	0.838	mg/kg	0.00092	ND
Styrene	0.838	mg/kg	0.0018	ND
Tetrachloroethene	**0.838**	**mg/kg**	**0.0018**	**0.0046**
Toluene	0.838	mg/kg	0.00092	ND
trans-1,2-Dichloroethene	0.838	mg/kg	0.0018	ND
trans-1,3-Dichloropropene	0.838	mg/kg	0.0018	ND
Trichloroethene	0.838	mg/kg	0.0018	ND
Trichlorofluoromethane	0.838	mg/kg	0.0018	ND
Vinyl chloride	0.838	mg/kg	0.0018	ND
Xylenes (Total)	0.838	mg/kg	0.00092	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.18	30	70	130	94	
Dibromofluoromethane	32.55	30	70	130	109	
Bromofluorobenzene	29.35	30	70	130	98	
1,2-Dichloroethane-d4	33.02	30	70	130	110	

Sample ID: 152140-ISB-4-3-4 | **Collection Date: 2/9/2016**
Lab#: AC89697-004 | **Receipt Date: 2/16/2016**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**92**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.883	mg/kg	0.0019	ND
1,1,2,2-Tetrachloroethane	0.883	mg/kg	0.0019	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.883	mg/kg	0.0019	ND
1,1,2-Trichloroethane	0.883	mg/kg	0.0019	ND
1,1-Dichloroethane	0.883	mg/kg	0.0019	ND
1,1-Dichloroethene	0.883	mg/kg	0.0019	ND
1,2,4-Trichlorobenzene	0.883	mg/kg	0.0019	ND
1,2-Dibromo-3-chloropropane	0.883	mg/kg	0.0019	ND
1,2-Dibromoethane	0.883	mg/kg	0.0019	ND
1,2-Dichlorobenzene	0.883	mg/kg	0.0019	ND
1,2-Dichloroethane	0.883	mg/kg	0.00096	ND
1,2-Dichloropropane	0.883	mg/kg	0.0019	ND
1,3-Dichlorobenzene	0.883	mg/kg	0.0019	ND
1,4-Dichlorobenzene	0.883	mg/kg	0.0019	ND
2-Butanone	0.883	mg/kg	0.0019	ND
2-Hexanone	0.883	mg/kg	0.0019	ND
4-Methyl-2-pentanone	0.883	mg/kg	0.0019	ND
Acetone	**0.883**	**mg/kg**	**0.0096**	**0.14**
Benzene	0.883	mg/kg	0.00096	ND
Bromodichloromethane	0.883	mg/kg	0.0019	ND
Bromoform	0.883	mg/kg	0.0019	ND
Bromomethane	0.883	mg/kg	0.0019	ND
Carbon disulfide	0.883	mg/kg	0.0019	ND
Carbon tetrachloride	0.883	mg/kg	0.0019	ND
Chlorobenzene	0.883	mg/kg	0.0019	ND
Chloroethane	0.883	mg/kg	0.0019	ND
Chloroform	0.883	mg/kg	0.0019	ND
Chloromethane	0.883	mg/kg	0.0019	ND
cis-1,2-Dichloroethene	**0.883**	**mg/kg**	**0.0019**	**0.0050**
cis-1,3-Dichloropropene	0.883	mg/kg	0.0019	ND
Cyclohexane	0.883	mg/kg	0.0019	ND
Dibromochloromethane	0.883	mg/kg	0.0019	ND
Dichlorodifluoromethane	0.883	mg/kg	0.0019	ND
Ethylbenzene	0.883	mg/kg	0.00096	ND
Isopropylbenzene	0.883	mg/kg	0.00096	ND
m&p-Xylenes	0.883	mg/kg	0.00096	ND
Methyl Acetate	0.883	mg/kg	0.0019	ND
Methylcyclohexane	0.883	mg/kg	0.0019	ND
Methylene chloride	0.883	mg/kg	0.0019	ND
Methyl-t-butyl ether	0.883	mg/kg	0.00096	ND
o-Xylene	0.883	mg/kg	0.00096	ND
Styrene	0.883	mg/kg	0.0019	ND
Tetrachloroethene	0.883	mg/kg	0.0019	ND
Toluene	0.883	mg/kg	0.00096	ND
trans-1,2-Dichloroethene	0.883	mg/kg	0.0019	ND
trans-1,3-Dichloropropene	0.883	mg/kg	0.0019	ND
Trichloroethene	**0.883**	**mg/kg**	**0.0019**	**0.0024**
Trichlorofluoromethane	0.883	mg/kg	0.0019	ND
Vinyl chloride	0.883	mg/kg	0.0019	ND
Xylenes (Total)	0.883	mg/kg	0.00096	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.38	30	70	130	95	
Dibromofluoromethane	35.49	30	70	130	118	
Bromofluorobenzene	25.61	30	70	130	85	
1,2-Dichloroethane-d4	37.45	30	70	130	125	

Sample ID: 152140-ISB-5-3.5-4 **Collection Date: 2/9/2016**
Lab#: AC89697-005 **Receipt Date: 2/16/2016**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**95**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.929	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.929	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.929	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.929	mg/kg	0.0020	ND
1,1-Dichloroethane	0.929	mg/kg	0.0020	ND
1,1-Dichloroethene	0.929	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.929	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.929	mg/kg	0.0020	ND
1,2-Dibromoethane	0.929	mg/kg	0.0020	ND
1,2-Dichlorobenzene	0.929	mg/kg	0.0020	ND
1,2-Dichloroethane	0.929	mg/kg	0.00098	ND
1,2-Dichloropropane	0.929	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.929	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.929	mg/kg	0.0020	ND
2-Butanone	0.929	mg/kg	0.0020	ND
2-Hexanone	0.929	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.929	mg/kg	0.0020	ND
Acetone	0.929	mg/kg	0.0098	ND
Benzene	0.929	mg/kg	0.00098	ND
Bromodichloromethane	0.929	mg/kg	0.0020	ND
Bromoform	0.929	mg/kg	0.0020	ND
Bromomethane	0.929	mg/kg	0.0020	ND
Carbon disulfide	0.929	mg/kg	0.0020	ND
Carbon tetrachloride	0.929	mg/kg	0.0020	ND
Chlorobenzene	0.929	mg/kg	0.0020	ND
Chloroethane	0.929	mg/kg	0.0020	ND
Chloroform	0.929	mg/kg	0.0020	ND
Chloromethane	0.929	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	0.929	mg/kg	0.0020	ND
cis-1,3-Dichloropropene	0.929	mg/kg	0.0020	ND
Cyclohexane	0.929	mg/kg	0.0020	ND
Dibromochloromethane	0.929	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.929	mg/kg	0.0020	ND
Ethylbenzene	0.929	mg/kg	0.00098	ND
Isopropylbenzene	0.929	mg/kg	0.00098	ND
m&p-Xylenes	0.929	mg/kg	0.00098	ND
Methyl Acetate	0.929	mg/kg	0.0020	ND
Methylcyclohexane	0.929	mg/kg	0.0020	ND
Methylene chloride	0.929	mg/kg	0.0020	ND
Methyl-t-butyl ether	0.929	mg/kg	0.00098	ND
o-Xylene	0.929	mg/kg	0.00098	ND
Styrene	0.929	mg/kg	0.0020	ND
Tetrachloroethene	**0.929**	**mg/kg**	**0.0020**	**0.0026**
Toluene	0.929	mg/kg	0.00098	ND
trans-1,2-Dichloroethene	0.929	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.929	mg/kg	0.0020	ND
Trichloroethene	0.929	mg/kg	0.0020	ND
Trichlorofluoromethane	0.929	mg/kg	0.0020	ND
Vinyl chloride	0.929	mg/kg	0.0020	ND
Xylenes (Total)	0.929	mg/kg	0.00098	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.38	30	70	130	95	
Dibromofluoromethane	35.14	30	70	130	117	
Bromofluorobenzene	29.56	30	70	130	99	
1,2-Dichloroethane-d4	31.73	30	70	130	106	

Sample ID: 152140-ISB-6-6.5-7 | **Collection Date: 2/10/2016**
Lab#: AC89697-006 | **Receipt Date: 2/16/2016**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		99

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.935	mg/kg	0.0019	ND
1,1,2,2-Tetrachloroethane	0.935	mg/kg	0.0019	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.935	mg/kg	0.0019	ND
1,1,2-Trichloroethane	0.935	mg/kg	0.0019	ND
1,1-Dichloroethane	0.935	mg/kg	0.0019	ND
1,1-Dichloroethene	0.935	mg/kg	0.0019	ND
1,2,4-Trichlorobenzene	0.935	mg/kg	0.0019	ND
1,2-Dibromo-3-chloropropane	0.935	mg/kg	0.0019	ND
1,2-Dibromoethane	0.935	mg/kg	0.0019	ND
1,2-Dichlorobenzene	0.935	mg/kg	0.0019	ND
1,2-Dichloroethane	0.935	mg/kg	0.00094	ND
1,2-Dichloropropane	0.935	mg/kg	0.0019	ND
1,3-Dichlorobenzene	0.935	mg/kg	0.0019	ND
1,4-Dichlorobenzene	0.935	mg/kg	0.0019	ND
2-Butanone	0.935	mg/kg	0.0019	ND
2-Hexanone	0.935	mg/kg	0.0019	ND
4-Methyl-2-pentanone	0.935	mg/kg	0.0019	ND
Acetone	0.935	mg/kg	0.0094	ND
Benzene	0.935	mg/kg	0.00094	ND
Bromodichloromethane	0.935	mg/kg	0.0019	ND
Bromoform	0.935	mg/kg	0.0019	ND
Bromomethane	0.935	mg/kg	0.0019	ND
Carbon disulfide	0.935	mg/kg	0.0019	ND
Carbon tetrachloride	0.935	mg/kg	0.0019	ND
Chlorobenzene	0.935	mg/kg	0.0019	ND
Chloroethane	0.935	mg/kg	0.0019	ND
Chloroform	0.935	mg/kg	0.0019	ND
Chloromethane	0.935	mg/kg	0.0019	ND
cis-1,2-Dichloroethene	0.935	mg/kg	0.0019	ND
cis-1,3-Dichloropropene	0.935	mg/kg	0.0019	ND
Cyclohexane	0.935	mg/kg	0.0019	ND
Dibromochloromethane	0.935	mg/kg	0.0019	ND
Dichlorodifluoromethane	0.935	mg/kg	0.0019	ND
Ethylbenzene	0.935	mg/kg	0.00094	ND
Isopropylbenzene	0.935	mg/kg	0.00094	ND
m&p-Xylenes	0.935	mg/kg	0.00094	ND
Methyl Acetate	0.935	mg/kg	0.0019	ND
Methylcyclohexane	0.935	mg/kg	0.0019	ND
Methylene chloride	0.935	mg/kg	0.0019	ND
Methyl-t-butyl ether	0.935	mg/kg	0.00094	ND
o-Xylene	0.935	mg/kg	0.00094	ND
Styrene	0.935	mg/kg	0.0019	ND
Tetrachloroethene	0.935	mg/kg	0.0019	ND
Toluene	0.935	mg/kg	0.00094	ND
trans-1,2-Dichloroethene	0.935	mg/kg	0.0019	ND
trans-1,3-Dichloropropene	0.935	mg/kg	0.0019	ND
Trichloroethene	0.935	mg/kg	0.0019	ND
Trichlorofluoromethane	0.935	mg/kg	0.0019	ND
Vinyl chloride	0.935	mg/kg	0.0019	ND
Xylenes (Total)	0.935	mg/kg	0.00094	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	27.25	30	70	130	91	
Dibromofluoromethane	32.36	30	70	130	108	
Bromofluorobenzene	28.44	30	70	130	95	
1,2-Dichloroethane-d4	34.26	30	70	130	114	

Sample ID: 152140-ISB-7-5.25-6.25 **Collection Date: 2/10/2016**
Lab#: AC89697-007 **Receipt Date: 2/16/2016**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		99

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.846	mg/kg	0.0017	ND
1,1,2,2-Tetrachloroethane	0.846	mg/kg	0.0017	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.846	mg/kg	0.0017	ND
1,1,2-Trichloroethane	0.846	mg/kg	0.0017	ND
1,1-Dichloroethane	0.846	mg/kg	0.0017	ND
1,1-Dichloroethene	0.846	mg/kg	0.0017	ND
1,2,4-Trichlorobenzene	0.846	mg/kg	0.0017	ND
1,2-Dibromo-3-chloropropane	0.846	mg/kg	0.0017	ND
1,2-Dibromoethane	0.846	mg/kg	0.0017	ND
1,2-Dichlorobenzene	0.846	mg/kg	0.0017	ND
1,2-Dichloroethane	0.846	mg/kg	0.00085	ND
1,2-Dichloropropane	0.846	mg/kg	0.0017	ND
1,3-Dichlorobenzene	0.846	mg/kg	0.0017	ND
1,4-Dichlorobenzene	0.846	mg/kg	0.0017	ND
2-Butanone	0.846	mg/kg	0.0017	ND
2-Hexanone	0.846	mg/kg	0.0017	ND
4-Methyl-2-pentanone	0.846	mg/kg	0.0017	ND
Acetone	0.846	mg/kg	0.0085	ND
Benzene	0.846	mg/kg	0.00085	ND
Bromodichloromethane	0.846	mg/kg	0.0017	ND
Bromoform	0.846	mg/kg	0.0017	ND
Bromomethane	0.846	mg/kg	0.0017	ND
Carbon disulfide	0.846	mg/kg	0.0017	ND
Carbon tetrachloride	0.846	mg/kg	0.0017	ND
Chlorobenzene	0.846	mg/kg	0.0017	ND
Chloroethane	0.846	mg/kg	0.0017	ND
Chloroform	0.846	mg/kg	0.0017	ND
Chloromethane	0.846	mg/kg	0.0017	ND
cis-1,2-Dichloroethene	0.846	mg/kg	0.0017	ND
cis-1,3-Dichloropropene	0.846	mg/kg	0.0017	ND
Cyclohexane	0.846	mg/kg	0.0017	ND
Dibromochloromethane	0.846	mg/kg	0.0017	ND
Dichlorodifluoromethane	0.846	mg/kg	0.0017	ND
Ethylbenzene	0.846	mg/kg	0.00085	ND
Isopropylbenzene	0.846	mg/kg	0.00085	ND
m&p-Xylenes	0.846	mg/kg	0.00085	ND
Methyl Acetate	0.846	mg/kg	0.0017	ND
Methylcyclohexane	0.846	mg/kg	0.0017	ND
Methylene chloride	0.846	mg/kg	0.0017	ND
Methyl-t-butyl ether	0.846	mg/kg	0.00085	ND
o-Xylene	0.846	mg/kg	0.00085	ND
Styrene	0.846	mg/kg	0.0017	ND
Tetrachloroethene	0.846	mg/kg	0.0017	ND
Toluene	0.846	mg/kg	0.00085	ND
trans-1,2-Dichloroethene	0.846	mg/kg	0.0017	ND
trans-1,3-Dichloropropene	0.846	mg/kg	0.0017	ND
Trichloroethene	0.846	mg/kg	0.0017	ND
Trichlorofluoromethane	0.846	mg/kg	0.0017	ND
Vinyl chloride	0.846	mg/kg	0.0017	ND
Xylenes (Total)	0.846	mg/kg	0.00085	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	30.36	30	70	130	101	
Dibromofluoromethane	31.57	30	70	130	105	
Bromofluorobenzene	30.39	30	70	130	101	
1,2-Dichloroethane-d4	30.32	30	70	130	101	

Sample ID: 152140-ISB-8-1-1.5 | **Collection Date: 2/10/2016**
Lab#: AC89697-008 | **Receipt Date: 2/16/2016**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		94

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.96	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.96	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.96	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.96	mg/kg	0.0020	ND
1,1-Dichloroethane	0.96	mg/kg	0.0020	ND
1,1-Dichloroethene	0.96	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.96	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.96	mg/kg	0.0020	ND
1,2-Dibromoethane	0.96	mg/kg	0.0020	ND
1,2-Dichlorobenzene	0.96	mg/kg	0.0020	ND
1,2-Dichloroethane	0.96	mg/kg	0.0010	ND
1,2-Dichloropropane	0.96	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.96	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.96	mg/kg	0.0020	ND
2-Butanone	0.96	mg/kg	0.0020	ND
2-Hexanone	0.96	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.96	mg/kg	0.0020	ND
Acetone	0.96	mg/kg	0.010	ND
Benzene	0.96	mg/kg	0.0010	ND
Bromodichloromethane	0.96	mg/kg	0.0020	ND
Bromoform	0.96	mg/kg	0.0020	ND
Bromomethane	0.96	mg/kg	0.0020	ND
Carbon disulfide	0.96	mg/kg	0.0020	ND
Carbon tetrachloride	0.96	mg/kg	0.0020	ND
Chlorobenzene	0.96	mg/kg	0.0020	ND
Chloroethane	0.96	mg/kg	0.0020	ND
Chloroform	0.96	mg/kg	0.0020	ND
Chloromethane	0.96	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	0.96	mg/kg	0.0020	ND
cis-1,3-Dichloropropene	0.96	mg/kg	0.0020	ND
Cyclohexane	0.96	mg/kg	0.0020	ND
Dibromochloromethane	0.96	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.96	mg/kg	0.0020	ND
Ethylbenzene	0.96	mg/kg	0.0010	ND
Isopropylbenzene	0.96	mg/kg	0.0010	ND
m&p-Xylenes	0.96	mg/kg	0.0010	ND
Methyl Acetate	0.96	mg/kg	0.0020	ND
Methylcyclohexane	0.96	mg/kg	0.0020	ND
Methylene chloride	0.96	mg/kg	0.0020	ND
Methyl-t-butyl ether	0.96	mg/kg	0.0010	ND
o-Xylene	0.96	mg/kg	0.0010	ND
Styrene	0.96	mg/kg	0.0020	ND
Tetrachloroethene	0.96	mg/kg	0.0020	ND
Toluene	0.96	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.96	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.96	mg/kg	0.0020	ND
Trichloroethene	0.96	mg/kg	0.0020	ND
Trichlorofluoromethane	0.96	mg/kg	0.0020	ND
Vinyl chloride	0.96	mg/kg	0.0020	ND
Xylenes (Total)	0.96	mg/kg	0.0010	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.45	30	70	130	95	
Dibromofluoromethane	34.34	30	70	130	114	
Bromofluorobenzene	29.15	30	70	130	97	
1,2-Dichloroethane-d4	32.74	30	70	130	109	

Sample ID: 152140-ISB-9-3-3.5 **Collection Date: 2/10/2016**
Lab#: AC89697-009 **Receipt Date: 2/16/2016**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**93**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.978	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.978	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.978	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.978	mg/kg	0.0021	ND
1,1-Dichloroethane	0.978	mg/kg	0.0021	ND
1,1-Dichloroethene	0.978	mg/kg	0.0021	ND
1,2,4-Trichlorobenzene	0.978	mg/kg	0.0021	ND
1,2-Dibromo-3-chloropropane	0.978	mg/kg	0.0021	ND
1,2-Dibromoethane	0.978	mg/kg	0.0021	ND
1,2-Dichlorobenzene	0.978	mg/kg	0.0021	ND
1,2-Dichloroethane	0.978	mg/kg	0.0011	ND
1,2-Dichloropropane	0.978	mg/kg	0.0021	ND
1,3-Dichlorobenzene	0.978	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.978	mg/kg	0.0021	ND
2-Butanone	0.978	mg/kg	0.0021	ND
2-Hexanone	0.978	mg/kg	0.0021	ND
4-Methyl-2-pentanone	0.978	mg/kg	0.0021	ND
Acetone	0.978	mg/kg	0.011	ND
Benzene	0.978	mg/kg	0.0011	ND
Bromodichloromethane	0.978	mg/kg	0.0021	ND
Bromoform	0.978	mg/kg	0.0021	ND
Bromomethane	0.978	mg/kg	0.0021	ND
Carbon disulfide	0.978	mg/kg	0.0021	ND
Carbon tetrachloride	0.978	mg/kg	0.0021	ND
Chlorobenzene	0.978	mg/kg	0.0021	ND
Chloroethane	0.978	mg/kg	0.0021	ND
Chloroform	0.978	mg/kg	0.0021	ND
Chloromethane	0.978	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.978	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.978	mg/kg	0.0021	ND
Cyclohexane	0.978	mg/kg	0.0021	ND
Dibromochloromethane	0.978	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.978	mg/kg	0.0021	ND
Ethylbenzene	0.978	mg/kg	0.0011	ND
Isopropylbenzene	0.978	mg/kg	0.0011	ND
m&p-Xylenes	0.978	mg/kg	0.0011	ND
Methyl Acetate	0.978	mg/kg	0.0021	ND
Methylcyclohexane	0.978	mg/kg	0.0021	ND
Methylene chloride	0.978	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.978	mg/kg	0.0011	ND
o-Xylene	0.978	mg/kg	0.0011	ND
Styrene	0.978	mg/kg	0.0021	ND
Tetrachloroethene	**0.978**	**mg/kg**	**0.0021**	**0.014**
Toluene	0.978	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.978	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.978	mg/kg	0.0021	ND
Trichloroethene	0.978	mg/kg	0.0021	ND
Trichlorofluoromethane	0.978	mg/kg	0.0021	ND
Vinyl chloride	0.978	mg/kg	0.0021	ND
Xylenes (Total)	0.978	mg/kg	0.0011	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	29.08	30	70	130	97	
Dibromofluoromethane	28.41	30	70	130	95	
Bromofluorobenzene	30.77	30	70	130	103	
1,2-Dichloroethane-d4	38.18	30	70	130	127	

Sample ID: 152140-ISB-10-3-4 **Collection Date: 2/10/2016**
Lab#: AC89697-010 **Receipt Date: 2/16/2016**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**92**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.873	mg/kg	0.0019	ND
1,1,2,2-Tetrachloroethane	0.873	mg/kg	0.0019	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.873	mg/kg	0.0019	ND
1,1,2-Trichloroethane	0.873	mg/kg	0.0019	ND
1,1-Dichloroethane	0.873	mg/kg	0.0019	ND
1,1-Dichloroethene	0.873	mg/kg	0.0019	ND
1,2,4-Trichlorobenzene	0.873	mg/kg	0.0019	ND
1,2-Dibromo-3-chloropropane	0.873	mg/kg	0.0019	ND
1,2-Dibromoethane	0.873	mg/kg	0.0019	ND
1,2-Dichlorobenzene	0.873	mg/kg	0.0019	ND
1,2-Dichloroethane	0.873	mg/kg	0.00095	ND
1,2-Dichloropropane	0.873	mg/kg	0.0019	ND
1,3-Dichlorobenzene	0.873	mg/kg	0.0019	ND
1,4-Dichlorobenzene	0.873	mg/kg	0.0019	ND
2-Butanone	0.873	mg/kg	0.0019	ND
2-Hexanone	0.873	mg/kg	0.0019	ND
4-Methyl-2-pentanone	0.873	mg/kg	0.0019	ND
Acetone	0.873	mg/kg	0.0095	ND
Benzene	0.873	mg/kg	0.00095	ND
Bromodichloromethane	0.873	mg/kg	0.0019	ND
Bromoform	0.873	mg/kg	0.0019	ND
Bromomethane	0.873	mg/kg	0.0019	ND
Carbon disulfide	0.873	mg/kg	0.0019	ND
Carbon tetrachloride	0.873	mg/kg	0.0019	ND
Chlorobenzene	0.873	mg/kg	0.0019	ND
Chloroethane	0.873	mg/kg	0.0019	ND
Chloroform	0.873	mg/kg	0.0019	ND
Chloromethane	0.873	mg/kg	0.0019	ND
cis-1,2-Dichloroethene	0.873	mg/kg	0.0019	ND
cis-1,3-Dichloropropene	0.873	mg/kg	0.0019	ND
Cyclohexane	0.873	mg/kg	0.0019	ND
Dibromochloromethane	0.873	mg/kg	0.0019	ND
Dichlorodifluoromethane	0.873	mg/kg	0.0019	ND
Ethylbenzene	0.873	mg/kg	0.00095	ND
Isopropylbenzene	0.873	mg/kg	0.00095	ND
m&p-Xylenes	0.873	mg/kg	0.00095	ND
Methyl Acetate	0.873	mg/kg	0.0019	ND
Methylcyclohexane	0.873	mg/kg	0.0019	ND
Methylene chloride	0.873	mg/kg	0.0019	ND
Methyl-t-butyl ether	0.873	mg/kg	0.00095	ND
o-Xylene	0.873	mg/kg	0.00095	ND
Styrene	0.873	mg/kg	0.0019	ND
Tetrachloroethene	**0.873**	**mg/kg**	**0.0019**	**0.10**
Toluene	0.873	mg/kg	0.00095	ND
trans-1,2-Dichloroethene	0.873	mg/kg	0.0019	ND
trans-1,3-Dichloropropene	0.873	mg/kg	0.0019	ND
Trichloroethene	0.873	mg/kg	0.0019	ND
Trichlorofluoromethane	0.873	mg/kg	0.0019	ND
Vinyl chloride	0.873	mg/kg	0.0019	ND
Xylenes (Total)	0.873	mg/kg	0.00095	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.59	30	70	130	95	
Dibromofluoromethane	27.77	30	70	130	93	
Bromofluorobenzene	28.24	30	70	130	94	
1,2-Dichloroethane-d4	35.86	30	70	130	120	

Sample ID: 152140-ISB-15-2-4 | **Collection Date: 2/11/2016**
Lab#: AC89697-011 | **Receipt Date: 2/16/2016**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**94**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.904	mg/kg	0.0019	ND
1,1,2,2-Tetrachloroethane	0.904	mg/kg	0.0019	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.904	mg/kg	0.0019	ND
1,1,2-Trichloroethane	0.904	mg/kg	0.0019	ND
1,1-Dichloroethane	0.904	mg/kg	0.0019	ND
1,1-Dichloroethene	0.904	mg/kg	0.0019	ND
1,2,4-Trichlorobenzene	0.904	mg/kg	0.0019	ND
1,2-Dibromo-3-chloropropane	0.904	mg/kg	0.0019	ND
1,2-Dibromoethane	0.904	mg/kg	0.0019	ND
1,2-Dichlorobenzene	0.904	mg/kg	0.0019	ND
1,2-Dichloroethane	0.904	mg/kg	0.00096	ND
1,2-Dichloropropane	0.904	mg/kg	0.0019	ND
1,3-Dichlorobenzene	0.904	mg/kg	0.0019	ND
1,4-Dichlorobenzene	0.904	mg/kg	0.0019	ND
2-Butanone	0.904	mg/kg	0.0019	ND
2-Hexanone	0.904	mg/kg	0.0019	ND
4-Methyl-2-pentanone	0.904	mg/kg	0.0019	ND
Acetone	0.904	mg/kg	0.0096	ND
Benzene	0.904	mg/kg	0.00096	ND
Bromodichloromethane	0.904	mg/kg	0.0019	ND
Bromoform	0.904	mg/kg	0.0019	ND
Bromomethane	0.904	mg/kg	0.0019	ND
Carbon disulfide	0.904	mg/kg	0.0019	ND
Carbon tetrachloride	0.904	mg/kg	0.0019	ND
Chlorobenzene	0.904	mg/kg	0.0019	ND
Chloroethane	0.904	mg/kg	0.0019	ND
Chloroform	0.904	mg/kg	0.0019	ND
Chloromethane	0.904	mg/kg	0.0019	ND
cis-1,2-Dichloroethene	0.904	mg/kg	0.0019	ND
cis-1,3-Dichloropropene	0.904	mg/kg	0.0019	ND
Cyclohexane	0.904	mg/kg	0.0019	ND
Dibromochloromethane	0.904	mg/kg	0.0019	ND
Dichlorodifluoromethane	0.904	mg/kg	0.0019	ND
Ethylbenzene	0.904	mg/kg	0.00096	ND
Isopropylbenzene	0.904	mg/kg	0.00096	ND
m&p-Xylenes	0.904	mg/kg	0.00096	ND
Methyl Acetate	0.904	mg/kg	0.0019	ND
Methylcyclohexane	0.904	mg/kg	0.0019	ND
Methylene chloride	0.904	mg/kg	0.0019	ND
Methyl-t-butyl ether	0.904	mg/kg	0.00096	ND
o-Xylene	0.904	mg/kg	0.00096	ND
Styrene	0.904	mg/kg	0.0019	ND
Tetrachloroethene	**0.904**	**mg/kg**	**0.0019**	**0.0044**
Toluene	0.904	mg/kg	0.00096	ND
trans-1,2-Dichloroethene	0.904	mg/kg	0.0019	ND
trans-1,3-Dichloropropene	0.904	mg/kg	0.0019	ND
Trichloroethene	0.904	mg/kg	0.0019	ND
Trichlorofluoromethane	0.904	mg/kg	0.0019	ND
Vinyl chloride	0.904	mg/kg	0.0019	ND
Xylenes (Total)	0.904	mg/kg	0.00096	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.66	30	70	130	96	
Dibromofluoromethane	29.48	30	70	130	98	
Bromofluorobenzene	27.26	30	70	130	91	
1,2-Dichloroethane-d4	32.68	30	70	130	109	

Sample ID: 152140-ISB-14-3-4 **Collection Date: 2/11/2016**
Lab#: AC89697-012 **Receipt Date: 2/16/2016**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**91**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.99	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.99	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.99	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.99	mg/kg	0.0022	ND
1,1-Dichloroethane	0.99	mg/kg	0.0022	ND
1,1-Dichloroethene	0.99	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	0.99	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	0.99	mg/kg	0.0022	ND
1,2-Dibromoethane	0.99	mg/kg	0.0022	ND
1,2-Dichlorobenzene	0.99	mg/kg	0.0022	ND
1,2-Dichloroethane	0.99	mg/kg	0.0011	ND
1,2-Dichloropropane	0.99	mg/kg	0.0022	ND
1,3-Dichlorobenzene	0.99	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.99	mg/kg	0.0022	ND
2-Butanone	0.99	mg/kg	0.0022	ND
2-Hexanone	0.99	mg/kg	0.0022	ND
4-Methyl-2-pentanone	0.99	mg/kg	0.0022	ND
Acetone	0.99	mg/kg	0.011	ND
Benzene	0.99	mg/kg	0.0011	ND
Bromodichloromethane	0.99	mg/kg	0.0022	ND
Bromoform	0.99	mg/kg	0.0022	ND
Bromomethane	0.99	mg/kg	0.0022	ND
Carbon disulfide	0.99	mg/kg	0.0022	ND
Carbon tetrachloride	0.99	mg/kg	0.0022	ND
Chlorobenzene	0.99	mg/kg	0.0022	ND
Chloroethane	0.99	mg/kg	0.0022	ND
Chloroform	0.99	mg/kg	0.0022	ND
Chloromethane	0.99	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	**0.99**	**mg/kg**	**0.0022**	**0.0029**
cis-1,3-Dichloropropene	0.99	mg/kg	0.0022	ND
Cyclohexane	0.99	mg/kg	0.0022	ND
Dibromochloromethane	0.99	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.99	mg/kg	0.0022	ND
Ethylbenzene	0.99	mg/kg	0.0011	ND
Isopropylbenzene	0.99	mg/kg	0.0011	ND
m&p-Xylenes	0.99	mg/kg	0.0011	ND
Methyl Acetate	0.99	mg/kg	0.0022	ND
Methylcyclohexane	0.99	mg/kg	0.0022	ND
Methylene chloride	**0.99**	**mg/kg**	**0.0022**	**0.0029**
Methyl-t-butyl ether	0.99	mg/kg	0.0011	ND
o-Xylene	0.99	mg/kg	0.0011	ND
Styrene	0.99	mg/kg	0.0022	ND
Tetrachloroethene	**0.99**	**mg/kg**	**0.0022**	**0.18**
Toluene	0.99	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.99	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.99	mg/kg	0.0022	ND
Trichloroethene	**0.99**	**mg/kg**	**0.0022**	**0.0051**
Trichlorofluoromethane	0.99	mg/kg	0.0022	ND
Vinyl chloride	0.99	mg/kg	0.0022	ND
Xylenes (Total)	0.99	mg/kg	0.0011	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.82	30	70	130	96	
Dibromofluoromethane	28.55	30	70	130	95	
Bromofluorobenzene	29.52	30	70	130	98	
1,2-Dichloroethane-d4	29.50	30	70	130	98	

Sample ID: 152140-ISB-13-3-4 **Collection Date: 2/11/2016**
Lab#: AC89697-013 **Receipt Date: 2/16/2016**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**80**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.879	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.879	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.879	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.879	mg/kg	0.0022	ND
1,1-Dichloroethane	0.879	mg/kg	0.0022	ND
1,1-Dichloroethene	0.879	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	0.879	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	0.879	mg/kg	0.0022	ND
1,2-Dibromoethane	0.879	mg/kg	0.0022	ND
1,2-Dichlorobenzene	0.879	mg/kg	0.0022	ND
1,2-Dichloroethane	0.879	mg/kg	0.0011	ND
1,2-Dichloropropane	0.879	mg/kg	0.0022	ND
1,3-Dichlorobenzene	0.879	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.879	mg/kg	0.0022	ND
2-Butanone	0.879	mg/kg	0.0022	ND
2-Hexanone	0.879	mg/kg	0.0022	ND
4-Methyl-2-pentanone	0.879	mg/kg	0.0022	ND
Acetone	**0.879**	**mg/kg**	**0.011**	**0.039**
Benzene	0.879	mg/kg	0.0011	ND
Bromodichloromethane	0.879	mg/kg	0.0022	ND
Bromoform	0.879	mg/kg	0.0022	ND
Bromomethane	0.879	mg/kg	0.0022	ND
Carbon disulfide	0.879	mg/kg	0.0022	ND
Carbon tetrachloride	0.879	mg/kg	0.0022	ND
Chlorobenzene	0.879	mg/kg	0.0022	ND
Chloroethane	0.879	mg/kg	0.0022	ND
Chloroform	0.879	mg/kg	0.0022	ND
Chloromethane	0.879	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.879	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.879	mg/kg	0.0022	ND
Cyclohexane	0.879	mg/kg	0.0022	ND
Dibromochloromethane	0.879	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.879	mg/kg	0.0022	ND
Ethylbenzene	0.879	mg/kg	0.0011	ND
Isopropylbenzene	0.879	mg/kg	0.0011	ND
m&p-Xylenes	0.879	mg/kg	0.0011	ND
Methyl Acetate	0.879	mg/kg	0.0022	ND
Methylcyclohexane	0.879	mg/kg	0.0022	ND
Methylene chloride	0.879	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.879	mg/kg	0.0011	ND
o-Xylene	0.879	mg/kg	0.0011	ND
Styrene	0.879	mg/kg	0.0022	ND
Tetrachloroethene	**0.879**	**mg/kg**	**0.0022**	**0.26**
Toluene	0.879	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.879	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.879	mg/kg	0.0022	ND
Trichloroethene	0.879	mg/kg	0.0022	ND
Trichlorofluoromethane	0.879	mg/kg	0.0022	ND
Vinyl chloride	0.879	mg/kg	0.0022	ND
Xylenes (Total)	0.879	mg/kg	0.0011	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	29.49	30	70	130	98	
Dibromofluoromethane	28.01	30	70	130	93	
Bromofluorobenzene	28.37	30	70	130	95	
1,2-Dichloroethane-d4	31.68	30	70	130	106	

Sample ID: 152140-ISB-12-2-3 | **Collection Date: 2/11/2016**
Lab#: AC89697-014 | **Receipt Date: 2/16/2016**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**91**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.912	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.912	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.912	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.912	mg/kg	0.0020	ND
1,1-Dichloroethane	0.912	mg/kg	0.0020	ND
1,1-Dichloroethene	0.912	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.912	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.912	mg/kg	0.0020	ND
1,2-Dibromoethane	0.912	mg/kg	0.0020	ND
1,2-Dichlorobenzene	0.912	mg/kg	0.0020	ND
1,2-Dichloroethane	0.912	mg/kg	0.0010	ND
1,2-Dichloropropane	0.912	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.912	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.912	mg/kg	0.0020	ND
2-Butanone	0.912	mg/kg	0.0020	ND
2-Hexanone	0.912	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.912	mg/kg	0.0020	ND
Acetone	**0.912**	**mg/kg**	**0.010**	**0.16**
Benzene	0.912	mg/kg	0.0010	ND
Bromodichloromethane	0.912	mg/kg	0.0020	ND
Bromoform	0.912	mg/kg	0.0020	ND
Bromomethane	0.912	mg/kg	0.0020	ND
Carbon disulfide	**0.912**	**mg/kg**	**0.0020**	**0.0023**
Carbon tetrachloride	0.912	mg/kg	0.0020	ND
Chlorobenzene	0.912	mg/kg	0.0020	ND
Chloroethane	0.912	mg/kg	0.0020	ND
Chloroform	0.912	mg/kg	0.0020	ND
Chloromethane	0.912	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	**0.912**	**mg/kg**	**0.0020**	**0.031**
cis-1,3-Dichloropropene	0.912	mg/kg	0.0020	ND
Cyclohexane	0.912	mg/kg	0.0020	ND
Dibromochloromethane	0.912	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.912	mg/kg	0.0020	ND
Ethylbenzene	0.912	mg/kg	0.0010	ND
Isopropylbenzene	0.912	mg/kg	0.0010	ND
m&p-Xylenes	0.912	mg/kg	0.0010	ND
Methyl Acetate	0.912	mg/kg	0.0020	ND
Methylcyclohexane	0.912	mg/kg	0.0020	ND
Methylene chloride	**0.912**	**mg/kg**	**0.0020**	**0.0039**
Methyl-t-butyl ether	0.912	mg/kg	0.0010	ND
o-Xylene	0.912	mg/kg	0.0010	ND
Styrene	0.912	mg/kg	0.0020	ND
Tetrachloroethene	**0.912**	**mg/kg**	**0.0020**	**0.0082**
Toluene	**0.912**	**mg/kg**	**0.0010**	**0.0013**
trans-1,2-Dichloroethene	**0.912**	**mg/kg**	**0.0020**	**0.0031**
trans-1,3-Dichloropropene	0.912	mg/kg	0.0020	ND
Trichloroethene	**0.912**	**mg/kg**	**0.0020**	**0.0069**
Trichlorofluoromethane	0.912	mg/kg	0.0020	ND
Vinyl chloride	0.912	mg/kg	0.0020	ND
Xylenes (Total)	0.912	mg/kg	0.0010	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.33	30	70	130	94	
Dibromofluoromethane	27.90	30	70	130	93	
Bromofluorobenzene	24.93	30	70	130	83	
1,2-Dichloroethane-d4	30.26	30	70	130	101	

Sample ID: 152140-ISB-11-2-3 | **Collection Date: 2/11/2016**
Lab#: AC89697-015 | **Receipt Date: 2/16/2016**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**96**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.882	mg/kg	0.0018	ND
1,1,2,2-Tetrachloroethane	0.882	mg/kg	0.0018	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.882	mg/kg	0.0018	ND
1,1,2-Trichloroethane	0.882	mg/kg	0.0018	ND
1,1-Dichloroethane	0.882	mg/kg	0.0018	ND
1,1-Dichloroethene	0.882	mg/kg	0.0018	ND
1,2,4-Trichlorobenzene	0.882	mg/kg	0.0018	ND
1,2-Dibromo-3-chloropropane	0.882	mg/kg	0.0018	ND
1,2-Dibromoethane	0.882	mg/kg	0.0018	ND
1,2-Dichlorobenzene	0.882	mg/kg	0.0018	ND
1,2-Dichloroethane	0.882	mg/kg	0.00092	ND
1,2-Dichloropropane	0.882	mg/kg	0.0018	ND
1,3-Dichlorobenzene	0.882	mg/kg	0.0018	ND
1,4-Dichlorobenzene	0.882	mg/kg	0.0018	ND
2-Butanone	0.882	mg/kg	0.0018	ND
2-Hexanone	0.882	mg/kg	0.0018	ND
4-Methyl-2-pentanone	0.882	mg/kg	0.0018	ND
Acetone	0.882	mg/kg	0.0092	ND
Benzene	0.882	mg/kg	0.00092	ND
Bromodichloromethane	0.882	mg/kg	0.0018	ND
Bromoform	0.882	mg/kg	0.0018	ND
Bromomethane	0.882	mg/kg	0.0018	ND
Carbon disulfide	0.882	mg/kg	0.0018	ND
Carbon tetrachloride	0.882	mg/kg	0.0018	ND
Chlorobenzene	0.882	mg/kg	0.0018	ND
Chloroethane	0.882	mg/kg	0.0018	ND
Chloroform	0.882	mg/kg	0.0018	ND
Chloromethane	0.882	mg/kg	0.0018	ND
cis-1,2-Dichloroethene	0.882	mg/kg	0.0018	ND
cis-1,3-Dichloropropene	0.882	mg/kg	0.0018	ND
Cyclohexane	0.882	mg/kg	0.0018	ND
Dibromochloromethane	0.882	mg/kg	0.0018	ND
Dichlorodifluoromethane	0.882	mg/kg	0.0018	ND
Ethylbenzene	0.882	mg/kg	0.00092	ND
Isopropylbenzene	0.882	mg/kg	0.00092	ND
m&p-Xylenes	0.882	mg/kg	0.00092	ND
Methyl Acetate	0.882	mg/kg	0.0018	ND
Methylcyclohexane	0.882	mg/kg	0.0018	ND
Methylene chloride	**0.882**	**mg/kg**	**0.0018**	**0.0019**
Methyl-t-butyl ether	0.882	mg/kg	0.00092	ND
o-Xylene	0.882	mg/kg	0.00092	ND
Styrene	0.882	mg/kg	0.0018	ND
Tetrachloroethene	**0.882**	**mg/kg**	**0.0018**	**0.033**
Toluene	0.882	mg/kg	0.00092	ND
trans-1,2-Dichloroethene	0.882	mg/kg	0.0018	ND
trans-1,3-Dichloropropene	0.882	mg/kg	0.0018	ND
Trichloroethene	**0.882**	**mg/kg**	**0.0018**	**0.0087**
Trichlorofluoromethane	0.882	mg/kg	0.0018	ND
Vinyl chloride	0.882	mg/kg	0.0018	ND
Xylenes (Total)	0.882	mg/kg	0.00092	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	27.68	30	70	130	92	
Dibromofluoromethane	30.92	30	70	130	103	
Bromofluorobenzene	29.40	30	70	130	98	
1,2-Dichloroethane-d4	34.30	30	70	130	114	

Sample ID: 152140-ISB-11-2-3 MS | **Collection Date: 2/11/2016**
Lab#: AC89697-016 | **Receipt Date: 2/16/2016**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		95

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.921	mg/kg	0.0019	0.059
1,1,2,2-Tetrachloroethane	0.921	mg/kg	0.0019	0.051
1,1,2-Trichloro-1,2,2-trifluoroethane	0.921	mg/kg	0.0019	0.050
1,1,2-Trichloroethane	0.921	mg/kg	0.0019	0.048
1,1-Dichloroethane	0.921	mg/kg	0.0019	0.062
1,1-Dichloroethene	0.921	mg/kg	0.0019	0.052
1,2,4-Trichlorobenzene	0.921	mg/kg	0.0019	0.015
1,2-Dibromo-3-chloropropane	0.921	mg/kg	0.0019	0.038
1,2-Dibromoethane	0.921	mg/kg	0.0019	0.039
1,2-Dichlorobenzene	0.921	mg/kg	0.0019	0.027
1,2-Dichloroethane	0.921	mg/kg	0.00097	0.050
1,2-Dichloropropane	0.921	mg/kg	0.0019	0.062
1,3-Dichlorobenzene	0.921	mg/kg	0.0019	0.030
1,4-Dichlorobenzene	0.921	mg/kg	0.0019	0.029
2-Butanone	0.921	mg/kg	0.0019	0.058
2-Hexanone	0.921	mg/kg	0.0019	0.050
4-Methyl-2-pentanone	0.921	mg/kg	0.0019	0.049
Acetone	0.921	mg/kg	0.0097	0.33
Benzene	0.921	mg/kg	0.00097	0.056
Bromodichloromethane	0.921	mg/kg	0.0019	0.053
Bromoform	0.921	mg/kg	0.0019	0.034
Bromomethane	0.921	mg/kg	0.0019	0.066
Carbon disulfide	0.921	mg/kg	0.0019	0.059
Carbon tetrachloride	0.921	mg/kg	0.0019	0.051
Chlorobenzene	0.921	mg/kg	0.0019	0.041
Chloroethane	0.921	mg/kg	0.0019	0.053
Chloroform	0.921	mg/kg	0.0019	0.054
Chloromethane	0.921	mg/kg	0.0019	0.060
cis-1,2-Dichloroethene	0.921	mg/kg	0.0019	0.057
cis-1,3-Dichloropropene	0.921	mg/kg	0.0019	0.043
Cyclohexane	0.921	mg/kg	0.0019	0.045
Dibromochloromethane	0.921	mg/kg	0.0019	0.045
Dichlorodifluoromethane	0.921	mg/kg	0.0019	0.036
Ethylbenzene	0.921	mg/kg	0.00097	0.035
Isopropylbenzene	0.921	mg/kg	0.00097	0.037
m&p-Xylenes	0.921	mg/kg	0.00097	0.071
Methyl Acetate	0.921	mg/kg	0.0019	0.058
Methylcyclohexane	0.921	mg/kg	0.0019	0.035
Methylene chloride	0.921	mg/kg	0.0019	0.053
Methyl-t-butyl ether	0.921	mg/kg	0.00097	0.056
o-Xylene	0.921	mg/kg	0.00097	0.039
Styrene	0.921	mg/kg	0.0019	0.039
Tetrachloroethene	0.921	mg/kg	0.0019	0.10
Toluene	0.921	mg/kg	0.00097	0.047
trans-1,2-Dichloroethene	0.921	mg/kg	0.0019	0.056
trans-1,3-Dichloropropene	0.921	mg/kg	0.0019	0.042
Trichloroethene	0.921	mg/kg	0.0019	0.049
Trichlorofluoromethane	0.921	mg/kg	0.0019	0.056
Vinyl chloride	0.921	mg/kg	0.0019	0.062
Xylenes (Total)	0.921	mg/kg	0.00097	0.11

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	30.58	30	70	130	102	
Dibromofluoromethane	26.48	30	70	130	88	
Bromofluorobenzene	29.93	30	70	130	100	
1,2-Dichloroethane-d4	34.76	30	70	130	116	

Sample ID: 152140-ISB-11-2-3 MSD | **Collection Date: 2/11/2016**
Lab#: AC89697-017 | **Receipt Date: 2/16/2016**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		94

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.936	mg/kg	0.0020	0.055
1,1,2,2-Tetrachloroethane	0.936	mg/kg	0.0020	0.051
1,1,2-Trichloro-1,2,2-trifluoroethane	0.936	mg/kg	0.0020	0.050
1,1,2-Trichloroethane	0.936	mg/kg	0.0020	0.048
1,1-Dichloroethane	0.936	mg/kg	0.0020	0.061
1,1-Dichloroethene	0.936	mg/kg	0.0020	0.052
1,2,4-Trichlorobenzene	0.936	mg/kg	0.0020	0.016
1,2-Dibromo-3-chloropropane	0.936	mg/kg	0.0020	0.039
1,2-Dibromoethane	0.936	mg/kg	0.0020	0.040
1,2-Dichlorobenzene	0.936	mg/kg	0.0020	0.029
1,2-Dichloroethane	0.936	mg/kg	0.0010	0.056
1,2-Dichloropropane	0.936	mg/kg	0.0020	0.060
1,3-Dichlorobenzene	0.936	mg/kg	0.0020	0.030
1,4-Dichlorobenzene	0.936	mg/kg	0.0020	0.031
2-Butanone	0.936	mg/kg	0.0020	0.071
2-Hexanone	0.936	mg/kg	0.0020	0.051
4-Methyl-2-pentanone	0.936	mg/kg	0.0020	0.050
Acetone	0.936	mg/kg	0.010	0.33
Benzene	0.936	mg/kg	0.0010	0.055
Bromodichloromethane	0.936	mg/kg	0.0020	0.052
Bromoform	0.936	mg/kg	0.0020	0.041
Bromomethane	0.936	mg/kg	0.0020	0.063
Carbon disulfide	0.936	mg/kg	0.0020	0.055
Carbon tetrachloride	0.936	mg/kg	0.0020	0.050
Chlorobenzene	0.936	mg/kg	0.0020	0.039
Chloroethane	0.936	mg/kg	0.0020	0.055
Chloroform	0.936	mg/kg	0.0020	0.052
Chloromethane	0.936	mg/kg	0.0020	0.059
cis-1,2-Dichloroethene	0.936	mg/kg	0.0020	0.059
cis-1,3-Dichloropropene	0.936	mg/kg	0.0020	0.042
Cyclohexane	0.936	mg/kg	0.0020	0.043
Dibromochloromethane	0.936	mg/kg	0.0020	0.042
Dichlorodifluoromethane	0.936	mg/kg	0.0020	0.033
Ethylbenzene	0.936	mg/kg	0.0010	0.039
Isopropylbenzene	0.936	mg/kg	0.0010	0.037
m&p-Xylenes	0.936	mg/kg	0.0010	0.071
Methyl Acetate	0.936	mg/kg	0.0020	0.070
Methylcyclohexane	0.936	mg/kg	0.0020	0.035
Methylene chloride	0.936	mg/kg	0.0020	0.052
Methyl-t-butyl ether	0.936	mg/kg	0.0010	0.060
o-Xylene	0.936	mg/kg	0.0010	0.040
Styrene	0.936	mg/kg	0.0020	0.040
Tetrachloroethene	0.936	mg/kg	0.0020	0.11
Toluene	0.936	mg/kg	0.0010	0.044
trans-1,2-Dichloroethene	0.936	mg/kg	0.0020	0.059
trans-1,3-Dichloropropene	0.936	mg/kg	0.0020	0.048
Trichloroethene	0.936	mg/kg	0.0020	0.051
Trichlorofluoromethane	0.936	mg/kg	0.0020	0.056
Vinyl chloride	0.936	mg/kg	0.0020	0.061
Xylenes (Total)	0.936	mg/kg	0.0010	0.11

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.26	30	70	130	94	
Dibromofluoromethane	29.54	30	70	130	98	
Bromofluorobenzene	30.87	30	70	130	103	
1,2-Dichloroethane-d4	35.05	30	70	130	117	

Sample ID: 152140-DUP-01 | **Collection Date: 2/11/2016**
Lab#: AC89697-018 | **Receipt Date: 2/16/2016**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**92**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.885	mg/kg	0.0019	ND
1,1,2,2-Tetrachloroethane	0.885	mg/kg	0.0019	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.885	mg/kg	0.0019	ND
1,1,2-Trichloroethane	0.885	mg/kg	0.0019	ND
1,1-Dichloroethane	0.885	mg/kg	0.0019	ND
1,1-Dichloroethene	0.885	mg/kg	0.0019	ND
1,2,4-Trichlorobenzene	0.885	mg/kg	0.0019	ND
1,2-Dibromo-3-chloropropane	0.885	mg/kg	0.0019	ND
1,2-Dibromoethane	0.885	mg/kg	0.0019	ND
1,2-Dichlorobenzene	0.885	mg/kg	0.0019	ND
1,2-Dichloroethane	0.885	mg/kg	0.00096	ND
1,2-Dichloropropane	0.885	mg/kg	0.0019	ND
1,3-Dichlorobenzene	0.885	mg/kg	0.0019	ND
1,4-Dichlorobenzene	0.885	mg/kg	0.0019	ND
2-Butanone	0.885	mg/kg	0.0019	ND
2-Hexanone	0.885	mg/kg	0.0019	ND
4-Methyl-2-pentanone	0.885	mg/kg	0.0019	ND
Acetone	0.885	mg/kg	0.0096	ND
Benzene	0.885	mg/kg	0.00096	ND
Bromodichloromethane	0.885	mg/kg	0.0019	ND
Bromoform	0.885	mg/kg	0.0019	ND
Bromomethane	0.885	mg/kg	0.0019	ND
Carbon disulfide	0.885	mg/kg	0.0019	ND
Carbon tetrachloride	0.885	mg/kg	0.0019	ND
Chlorobenzene	0.885	mg/kg	0.0019	ND
Chloroethane	0.885	mg/kg	0.0019	ND
Chloroform	0.885	mg/kg	0.0019	ND
Chloromethane	0.885	mg/kg	0.0019	ND
cis-1,2-Dichloroethene	0.885	mg/kg	0.0019	ND
cis-1,3-Dichloropropene	0.885	mg/kg	0.0019	ND
Cyclohexane	0.885	mg/kg	0.0019	ND
Dibromochloromethane	0.885	mg/kg	0.0019	ND
Dichlorodifluoromethane	0.885	mg/kg	0.0019	ND
Ethylbenzene	0.885	mg/kg	0.00096	ND
Isopropylbenzene	0.885	mg/kg	0.00096	ND
m&p-Xylenes	0.885	mg/kg	0.00096	ND
Methyl Acetate	0.885	mg/kg	0.0019	ND
Methylcyclohexane	0.885	mg/kg	0.0019	ND
Methylene chloride	0.885	mg/kg	0.0019	ND
Methyl-t-butyl ether	0.885	mg/kg	0.00096	ND
o-Xylene	0.885	mg/kg	0.00096	ND
Styrene	0.885	mg/kg	0.0019	ND
Tetrachloroethene	**0.885**	**mg/kg**	**0.0019**	**0.10**
Toluene	0.885	mg/kg	0.00096	ND
trans-1,2-Dichloroethene	0.885	mg/kg	0.0019	ND
trans-1,3-Dichloropropene	0.885	mg/kg	0.0019	ND
Trichloroethene	0.885	mg/kg	0.0019	ND
Trichlorofluoromethane	0.885	mg/kg	0.0019	ND
Vinyl chloride	0.885	mg/kg	0.0019	ND
Xylenes (Total)	0.885	mg/kg	0.00096	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	27.95	30	70	130	93	
Dibromofluoromethane	30.10	30	70	130	100	
Bromofluorobenzene	27.12	30	70	130	90	
1,2-Dichloroethane-d4	28.19	30	70	130	94	

Sample ID: RB 01 | **Collection Date: 2/9/2016**
Lab#: AC89697-019 | **Receipt Date: 2/16/2016**
Matrix: Aqueous

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.41	30	70	130	95	
Dibromofluoromethane	32.81	30	70	130	109	
Bromofluorobenzene	26.98	30	70	130	90	
1,2-Dichloroethane-d4	27.21	30	70	130	91	

Sample ID: RB 02 | **Collection Date: 2/10/2016**
Lab#: AC89697-020 | **Receipt Date: 2/16/2016**
Matrix: Aqueous

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.41	30	70	130	95	
Dibromofluoromethane	31.98	30	70	130	107	
Bromofluorobenzene	30.18	30	70	130	101	
1,2-Dichloroethane-d4	31.18	30	70	130	104	

Sample ID: RB 03 | **Collection Date: 2/11/2016**
Lab#: AC89697-021 | **Receipt Date: 2/16/2016**
Matrix: Aqueous

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	27.91	30	70	130	93	
Dibromofluoromethane	31.12	30	70	130	104	
Bromofluorobenzene	30.74	30	70	130	102	
1,2-Dichloroethane-d4	31.35	30	70	130	105	

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 6021601

Page 1 of ____

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/CSV
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
2 Business Days (75%)*	NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	(Full / Category B)	(EQuIS) (specify below):
(10 Business Days (Stand.))	Category A	4-File/EZ (NYS) Reg. 2 or 5
Other: ____	Electronic (PDF)	Other: ____

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: EA Engineering
Address: 6712 Brooklawn Pkwy Ste 104

1b) Email/Cell/Fax/Ph: ~~jhay~~ ecummings@eaest.com
1c) Send Invoice to: northeastap@eaest.com
1d) Send Report to: jhayward@eaest.com/ ecummings@eaest.com

Project Information

2a) Project: National Heatset Printing
2b) Project Mgr: Tim Hayward
2c) Project Location (City/State): Farmingdale, NY
2d) Quote/PO # (If Applicable): 1490716

FOR LAB USE ONLY ↓

Batch # A89697

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water; S - Soil; A - Air; GW - Ground Water; SL - Sludge; WW - Waste Water; OL - Oil; OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	VOC 8260	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-001	152140-ISB-1-6-7.5	S	2/9/16	1024		X	X	1								
-002	152140-ISB-2-1-1.5			1200		X	X									
-003	152140-ISB-3-3-4			1305			X									
-004	152140-ISB-4-3-4			1420			X									
-005	152140-ISB-5-3.5-4			1455			X									
-006	152140-ISB-6-6.5-7		2/10/16	0950			X									
-007	152140-ISB-7-5.25-6.25			1200			X									
-008	152140-ISB-8-1-1.5			1258			X									
-009	152140-ISB-9-3-3.5			1416			X									
-010	152140-ISB-10-3-4			1450			X									

10) Relinquished by:	Accepted by:	Date	Time
UPS	FX UPS	2/16/16	0900

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

For NNJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2.9°

11) Sampler (print name): ____ Date: ____

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
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Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY RECORD

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

Project # (Lab Use Only): 602160 1

Page 2 of _____

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/CSV
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
2 Business Days (75%)*	NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS (specify below):
10 Business Days (Stand.)	Category A	4-File/EZ/NYS Reg. 2 or 5
Other:	Electronic (PDF)	Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer:
Address: SEE PAGE
1b) Email/Cell/Fax/Ph:
1c) Send Invoice to:
1d) Send Report to: #1

Project Information

2a) Project:
2b) Project Mgr: SEE PAGE
2c) Project Location (City/State): #1
2d) Quote/PO # (If Applicable):

FOR LAB USE ONLY ↓

Batch # AC89697

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water; S - Soil; A - Air; GW - Ground Water; SL - Sludge; WW - Waste Water; OL - Oil; OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	VOC 8260	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-011	152140-ISB-15-2-4	S	2/11/16	1210	X	X	X	1								
-012	152140-ISB-14-3-4			1110				1								
-013	152140-ISB-13-3-4			1000				1								
-014	152140-ISB-12-2-3			0935				1								
015/016/017	152140-ISB-11-2-3			0850				3								MS/MSD
-018	152140-DUP-01		—	—				1								
-019	EBC1	W	2/11/16	1505				3								
-020	EBC2	W	2/10/16	1510				3								
-021	EBC3	W	2/11/16	1505				3								

10) Relinquished by:	Accepted by:	Date	Time
UPS	UPS	2/16/16	0800

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

For NNJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2.9

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.