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August 24, 2012

Ms. Lynn Dittmer
Metropolitan Area Planning Agency
2222 Cuming Street
Omaha, NE 68102

Re: Brownfields Coalition Assessment Grant
Limited Phase II ESA Report
Former Business Printing Facility
4012 S. 24th Street, Omaha, NE

Dear Ms. Dittmer:

This purpose of this letter is to summarize the Phase II Environmental Site Assessment (ESA) sampling activities that were performed by Alfred Benesch & Company (Benesch) at the former Business Printing Facility located at 4012 S. 24th Street in Omaha, Nebraska. This Phase II ESA is being prepared for the Metro Area Planning Agency (MAPA) and was conducted as part of the Brownfields Coalition Assessment Grant being administered by MAPA. A Phase I ESA (Terracon, July 2012) was previously prepared for this facility on behalf of the prospective purchaser. The Phase I recommended that additional assessment activities be conducted at the site due to the presence of recognized environmental conditions associated with past uses of the property as a printing facility and a dry cleaning facility.

The activities conducted as part of the Phase II ESA included sub-surface soil and soil vapor sampling in the parking lot adjacent south of the building and on the property surrounding the building; an asbestos survey, and a lead-based paint (LBP) survey. Field activities for the soil, soil vapor sampling, and asbestos survey were conducted from August 9th through August 14th, 2012. The LBP survey is scheduled to be conducted on August 27th and 28th, 2012. The project area is depicted on the attached Project Location Map (Figure 1).

Field Activities

Soil Sampling

Benesch placed twenty-five (25) borings in the project area. Sixteen (16) of these borings were installed in the parking lot located adjacent south of the building (due to the historic use of this portion of the property as a dry cleaning facility), and nine (9) borings were placed around the outside of the building on the north, east, and west sides. The borings were placed in these locations to assess for the potential presence of impacts resulting from the prior use of the property as a printing facility and as a dry cleaner. Borings placed in the south lot were placed in a grid pattern on 30' spacing. Three borings; SB-5, SB-11, and SB-17 were added during the field investigation to more thoroughly assess the footprint of the former dry cleaner building. The boring locations are depicted on the attached Boring Location Map (Figure 2).

The borings were installed using a track mounted Geoprobe unit operated by Saberprobe, LLC. The samples were collected using Macro-Core samplers fitted with polyvinyl chloride (PVC) liners. Composite samples were collected for field screening purposes from the 0-5', 5-10', and 10-15' intervals in borings SB1 through SB-16; while samples were

collected from the 0-5' and 5-10' intervals in borings SB17 through SB25. Groundwater was not encountered in any of the borings. The composite samples were split into two aliquots with one aliquot placed in a glass jar, covered with aluminum foil and allowed to equilibrate at ambient temperature (minimum of 65 deg. F) for a minimum of 15 minutes. The remaining aliquot was placed into one 4-ounce jar, sealed and packed on ice. Samples for field screening and sample analysis were collected from the 0-4' and 4-8' intervals.

A headspace analysis of each equilibrated sample was conducted using a field photoionization detector (PID) equipped with a 10.7 eV bulb. The remaining soil from the sampler tube was then containerized and left on site until lab results were received.

Fill material, including a mixture of silt, clay, brick, concrete rubble, and cinders was observed within the upper 2 to 8 feet of the borings in the south lot, with fill material increasing from west to east. Discolored soils (black and green) were observed in borings SB-9 through SB-12, and borings SB-16 through SB-18, all of which were located in the area of the former dry cleaner facility. The discolored soils were observed within the upper 5-6' in all borings with the exception of SB-10, in which discolored soils were observed to a depth of 8' below ground surface (bgs). A very faint organic odor was observed in borings SB-9, SB-10, and SB-12. Fill material was noted in the borings surrounding the building to depths ranging from 1-8'; however, fill material in these borings was observed to be mainly clay material, except for SB-23 located in the vacant lot northwest of the building, which contained some brick and rock fragments. No discoloration or odor was observed in any of these borings or the remaining borings in the south lot. PID readings were non-detect or slightly above non-detect in all borings. Boring logs for all borings are included as an attachment to this report.

The samples from borings SB-10 (0-4', 4-8'), SB-11 (4-8'), SB-16 (0-4'), SB-18 (0-4'), and SB-21 (0-4') were labeled, packed on ice, and submitted under chain of custody to TestAmerica in Cedar Falls, Iowa for Volatile Organic Compound(VOC) analysis by EPA method SW8260B. Borings SB-10, SB-11, SB-16, and SB-18 were located in the area of the former dry cleaner and samples were submitted for analysis based on evidence of impacts (discoloration and faint odors) observed at these locations. Boring SB-21 was located in the vacant lot adjacent northwest of the building. Samples from SB-10 (0-4'), SB-16 (0-4'), and SB-21 (0-4') were also submitted for Total RCRA metals plus mercury analysis by EPA method 6010C/7471B.

All soil samples were non-detect for VOCs, with the exception of SB-11 (4-8'), which contained 72.7 ug/kg Tetrachloroethene (PCE), a chemical commonly associated with dry cleaners. This concentration is below Remediation Goals (RGs) established by the Nebraska Department of Environmental Quality (NDEQ) under the Voluntary Cleanup Program for both residential and industrial/commercial standards. Metals were present in borings SB-10, SB-16, and SB-21; however, all results were below the RGs for both residential and industrial/commercial standards, with the exception of Arsenic in each boring and lead in SB-10. Both metals were present above residential standards, but below industrial/commercial standards. It should be noted that the lead concentration above residential levels was detected in the duplicate sample collected from that sample interval, which is indicative of the variability of the fill soils in this area. The arsenic levels observed (though above residential soil RGs) are typical of background levels in the area and are not a concern. Concentrations detected above residential standards for soil and soil vapor are depicted in the attached Soil/Soil Vapor Results map (Figure 3). The laboratory reports and chain of custodies are also included as an attachment.

All borings were backfilled with hydrated bentonite chips once completed, and the surface was restored to its original condition.

Soil Vapor

Soil vapor points were installed in borings SB-11, SB-16, and SB-22 to assess the soil vapor to enclosed space pathway. The vapor points were set at 6' bgs and vapor samples were collected using 1L SUMMA® canisters. Samples were collected according to the Benesch Environmental Standard Operating Procedures for Soil Vapor Sampling.

The vapor samples were labeled and submitted under chain of custody to Eurofins Air Toxics in Folsom, CA for full VOC analysis by EPA method TO-15. Borings SB-11 and SB-16 were selected for vapor sampling due to the presence of impacted soils at these locations, in addition to the proximity of SB-16 to a potentially occupied building. SB-22 was selected due to its location in proximity to residential housing and the potential for future development activities at that location.

Several VOCs were detected in the vapor samples collected from SB-11 and SB-16; however, all constituents were detected below the draft VCP RGs for industrial/commercial standards. PCE was detected at levels above the draft VCP RG for residential standards in both borings. SP-22 was non-detect for all constituents, with the exception of acetone and 2-Butanone, two common laboratory contaminants. These levels were below both residential and industrial/commercial standards.

Once the samples were collected, the tubing was removed from the boring and the surface was restored to its original condition.

Quality Assurance/Quality Control

Duplicate soil and soil vapor samples were collected for QA/QC purposes and were submitted for the same analysis as the parent samples. These samples were submitted for analysis to assess the precision of the analysis and the variability of the media. Duplicate soil samples were collected from SB-10 from the 4-8' interval (Duplicate 1) for VOCs and from the 0-4' interval (duplicate 2) for metals. A duplicate soil vapor sample was collected from SB-11. Based on review of the duplicate sample data, all data can be relied upon for its intended purpose.

The following table identifies the sample locations, values and RGs exceeded for the respective media evaluated during this investigation:

TABLE 1

Laboratory Results for Soil and Soil Vapor

Exceeding NDEQ VCP Remediation Goals

Boring	Media	Constituent	Result	VCP Residential Standard	VCP Industrial/Commercial Standard
SB-10 (0-4')	Soil	Lead	604 mg/kg	400	750
SB-10 (0-4')	Soil	Arsenic	14.4 mg/kg	0.39	16
SB-21 (0-4')	Soil	Arsenic	9.35 mg/kg	0.39	16
SB-11	Soil Vapor	PCE	3800 ug/m3	238	48000
SB-16	Soil Vapor	PCE	15000 ug/m3	238	48000

Note: Soil results and standards are in mg/kg, soil vapor results and standards are in ug/m3.

VCP Soil vapor standards are considered "draft" by NDEQ

Asbestos Survey

An asbestos survey was conducted to determine the presence of Asbestos Containing Material (ACM) within the building. An asbestos containing material is defined by the State of Nebraska, EPA, and OSHA regulations as any material or product that contains more than 1% asbestos. ACM was found to be present in 11 different materials throughout the building. It should be noted that all ACM discovered in this survey are in good condition and do not pose an immediate threat to human health. If the ACM materials should be disturbed during construction or the structure

demolished, the ACM should be removed according to Nebraska Asbestos Control Program Regulations. Please refer to the attached Asbestos Survey Report for additional details regarding the survey.

Lead Based Paint Survey

A lead based paint survey is scheduled to be conducted on the building during the week of August 27th, 2012. A report of findings will be generated upon completion of that survey and will be forwarded as an addendum to this report.

Analysis and Recommendations

PCE, lead, and arsenic were detected above the VCP RGs for residential standards in soil (lead and arsenic) and soil gas (PCE) from within the footprint of the former dry cleaner facility (SB-10, SB-11, SB-16) located on the east portion of the parking lot. Arsenic was also detected above the VCP RG for residential soil standards from SB-21, located in the north grass lot. All other constituents were either non-detect or below the residential soil standards. The industrial/commercial standards were not exceeded in any of the borings at the site. In addition, ACM was detected in the building in several locations, none of which appears to be in a form or condition representing a threat to human health.

Based on the results of the Phase II ESA, it is Benesch's opinion that the impacts observed at the site do not pose an immediate threat to human health or the environment given the current and proposed commercial use of the facility. The presence of soil vapor concentrations of PCE above draft residential standards at SB-16 may require further investigation to fully delineate and quantify the extent of vapor impacts though the lack of an occupied basement structure lessens our concern regarding this potential pathway.

If you have any questions regarding the conduct or conclusions of this study, please do not hesitate to contact either of the undersigned at (402) 333-5792.

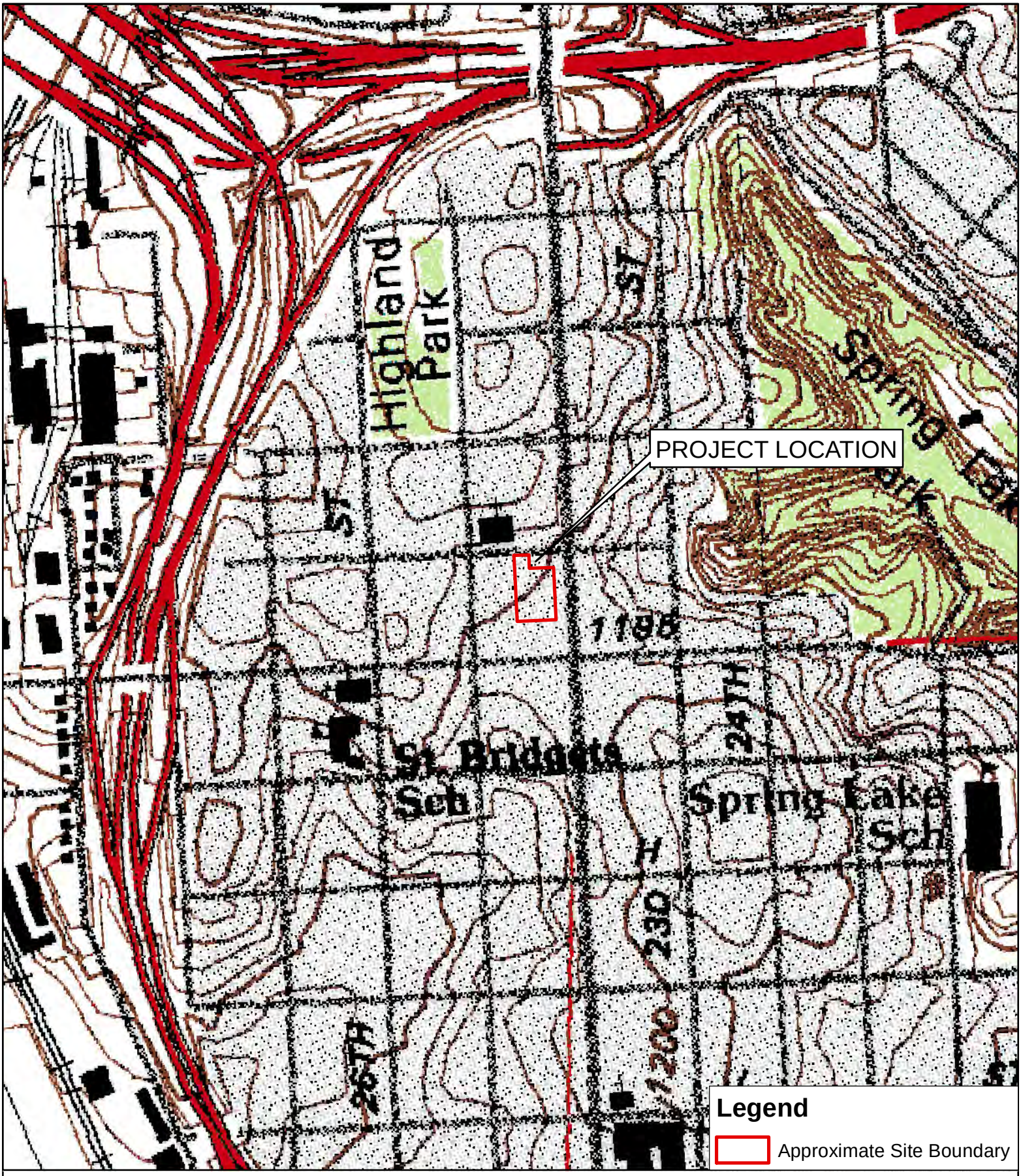
Respectfully Submitted,

Alfred Benesch & Company

Brian Fettin
Project Scientist

Frank Uhlarik
Senior Project Manager

Attachments
Figures
Lab Data
Boring Logs
ACM Survey



NIROC 2010 Douglas County Aerial Imagery

PROJECT LOCATION MAP - FIGURE 1

N
W E
S

0 250 500 1,000
Feet

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Omaha MAPA Brownfields
South Omaha Redevelopment Area
Former Business Printing Facility
4012 S 24th St
Omaha, Douglas County, Nebraska

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NIROC 2010 Douglas County Aerial Imagery

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BORING PLAN - FIGURE 2

Omaha MAPA Brownfields
South Omaha Redevelopment Area
Former Business Printing Facility
4012 S 24th St
Omaha, Douglas County, Nebraska

Note:
1. Only Borings SB-10, SB-11, SB-16, SB-18 and SB-21 were sampled for soil analysis. The remaining borings were field screened only.

2. Concentrations listed are constituents detected above VCP residential standards. All other constituents were detected below residential standards.

Legend

- Geoprobe/Soil Vapor Locations
- Geoprobe Locations
- Approximate Site Boundary

NIROC 2010 Douglas County Aerial Imagery

0 25 50 100 Feet

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SOIL/ SOIL VAPOR RESULTS - FIGURE 3

Omaha MAPA Brownfields
South Omaha Redevelopment Area
Former Business Printing Facility
4012 S 24th St
Omaha, Douglas County, Nebraska

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Cedar Falls
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: 800-750-2401

TestAmerica Job ID: CVH0822
Client Project/Site: [none]
Client Project Description: MAPA Business Printing

For:
ALFRED BENESCH & COMPANY
14748 West Center Road, Suite 200
Omaha, NE 68144-2209

Attn: Brian Fettin

Angela Muehling

Authorized for release by:
8/15/2012 4:15:07 PM
Angela Muehling
Project Coordinator
Angela.Muehling@testamericainc.com

Designee for

Derrick Klinkenberg
Organics Manager
derrick.klinkenberg@testamericainc.com

Table of Contents

Sample Summary

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
CVH0822-01	SB10 (4-8')	Soil	08/09/12 12:30	08/11/12 09:20
CVH0822-02	SB11 (4-8')	Soil	08/09/12 12:45	08/11/12 09:20
CVH0822-03	SB16 (0-4')	Soil	08/09/12 14:05	08/11/12 09:20
CVH0822-04	SB18 (0-4')	Soil	08/09/12 14:35	08/11/12 09:20
CVH0822-05	SB21 (0-4')	Soil	08/10/12 08:45	08/11/12 09:20
CVH0822-06	Duplicate 1	Soil	08/09/12 00:00	08/11/12 09:20
CVH0822-07	SB10 (0-4')	Soil	08/09/12 12:25	08/11/12 09:20
CVH0822-08	Duplicate 2	Soil	08/09/12 00:00	08/11/12 09:20

Detection Summary

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Client Sample ID: SB10 (4-8') — Lab Sample ID: CVH0822-01

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	112	ICV2 L1 S2	99.7		ug/kg dry	1.00	☼	SW 8260B	Total

Client Sample ID: SB11 (4-8') — Lab Sample ID: CVH0822-02

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	72.7		8.93		ug/kg dry	1.00	☼	SW 8260B	Total

Client Sample ID: SB16 (0-4') — Lab Sample ID: CVH0822-03

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.0485		0.0253		mg/kg dry	1.00	☼	SW 7471B	Total
Barium	363		1.70		mg/kg dry	3.00	☼	SW 6010C	Total
Chromium	19.1		3.39		mg/kg dry	3.00	☼	SW 6010C	Total
Lead	43.2		17.0		mg/kg dry	3.00	☼	SW 6010C	Total
Silver	4.24		3.39		mg/kg dry	3.00	☼	SW 6010C	Total

Client Sample ID: SB18 (0-4') — Lab Sample ID: CVH0822-04

No Detections

Client Sample ID: SB21 (0-4') — Lab Sample ID: CVH0822-05

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.0637		0.0242		mg/kg dry	1.00	☼	SW 7471B	Total
Arsenic	9.35		4.84		mg/kg dry	1.00	☼	SW 6010C	Total
Barium	342		0.605		mg/kg dry	1.00	☼	SW 6010C	Total
Chromium	18.7		1.21		mg/kg dry	1.00	☼	SW 6010C	Total
Lead	15.1		6.05		mg/kg dry	1.00	☼	SW 6010C	Total
Silver	3.45		1.21		mg/kg dry	1.00	☼	SW 6010C	Total

Client Sample ID: Duplicate 1 — Lab Sample ID: CVH0822-06

No Detections

Client Sample ID: SB10 (0-4') — Lab Sample ID: CVH0822-07

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.197		0.0249		mg/kg dry	1.00	☼	SW 7471B	Total
Arsenic	11.8		4.97		mg/kg dry	1.00	☼	SW 6010C	Total
Barium	360		0.622		mg/kg dry	1.00	☼	SW 6010C	Total
Chromium	18.4		1.24		mg/kg dry	1.00	☼	SW 6010C	Total
Lead	255		6.22		mg/kg dry	1.00	☼	SW 6010C	Total
Silver	3.76		1.24		mg/kg dry	1.00	☼	SW 6010C	Total

Client Sample ID: Duplicate 2 — Lab Sample ID: CVH0822-08

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.256		0.0247		mg/kg dry	1.00	☼	SW 7471B	Total
Arsenic	14.4		4.95		mg/kg dry	1.00	☼	SW 6010C	Total
Barium	465		0.619		mg/kg dry	1.00	☼	SW 6010C	Total
Chromium	19.8		1.24		mg/kg dry	1.00	☼	SW 6010C	Total
Lead	604		6.19		mg/kg dry	1.00	☼	SW 6010C	Total
Silver	3.98		1.24		mg/kg dry	1.00	☼	SW 6010C	Total

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Client Sample ID: SB10 (4-8')
Date Collected: 08/09/12 12:30
Date Received: 08/11/12 09:20

Lab Sample ID: CVH0822-01
Matrix: Soil
Percent Solids: 80.4

Method: SW 8260B - Volatile Organic Compounds

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	112	ICV2 L1 S2	99.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Benzene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Bromobenzene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Bromochloromethane	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Bromodichloromethane	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Bromoform	<19.9		19.9		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Bromomethane	<39.9		39.9		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
2-Butanone (MEK)	<99.7		99.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
n-Butylbenzene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
sec-Butylbenzene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
tert-Butylbenzene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Carbon disulfide	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Carbon Tetrachloride	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Chlorobenzene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Chlorodibromomethane	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Chloroethane	<39.9		39.9		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Chloroform	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Chloromethane	<39.9		39.9		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
2-Chlorotoluene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
4-Chlorotoluene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,2-Dibromo-3-chloropropane	<99.7		99.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,2-Dibromoethane (EDB)	<99.7		99.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Dibromomethane	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,2-Dichlorobenzene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,3-Dichlorobenzene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,4-Dichlorobenzene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Dichlorodifluoromethane	<29.9		29.9		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,1-Dichloroethane	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,2-Dichloroethane	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,1-Dichloroethene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
cis-1,2-Dichloroethene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
trans-1,2-Dichloroethene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,2-Dichloropropane	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,3-Dichloropropane	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
2,2-Dichloropropane	<39.9		39.9		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,1-Dichloropropene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
cis-1,3-Dichloropropene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
trans-1,3-Dichloropropene	<9.97	CIN	9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Ethylbenzene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Hexachlorobutadiene	<49.8		49.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Hexane	<49.8		49.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Isopropylbenzene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
p-Isopropyltoluene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Methylene Chloride	<99.7	L	99.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Methyl tert-Butyl Ether	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Naphthalene	<49.8		49.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
n-Propylbenzene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Styrene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,1,1,2-Tetrachloroethane	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,1,2,2-Tetrachloroethane	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Client Sample ID: SB10 (4-8')
Date Collected: 08/09/12 12:30
Date Received: 08/11/12 09:20

Lab Sample ID: CVH0822-01
Matrix: Soil
Percent Solids: 80.4

Method: SW 8260B - Volatile Organic Compounds (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Toluene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,2,3-Trichlorobenzene	<49.8		49.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,2,4-Trichlorobenzene	<49.8		49.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,1,1-Trichloroethane	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,1,2-Trichloroethane	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Trichloroethene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Trichlorofluoromethane	<39.9		39.9		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,2,3-Trichloropropane	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,2,4-Trimethylbenzene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
1,3,5-Trimethylbenzene	<9.97		9.97		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Vinyl chloride	<29.9		29.9		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00
Xylenes, total	<29.9		29.9		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:24	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*98*		*75 - 125*	*08/13/12 00:00*	*08/13/12 16:24*	*1.00*
Toluene-d8	*95*		*80 - 120*	*08/13/12 00:00*	*08/13/12 16:24*	*1.00*
4-Bromofluorobenzene	*102*		*80 - 120*	*08/13/12 00:00*	*08/13/12 16:24*	*1.00*

Method: SM 2540 G - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Solids	**80.4**		0.1		%		08/13/12 15:08	08/13/12 15:08	1.00

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Client Sample ID: SB11 (4-8')
Date Collected: 08/09/12 12:45
Date Received: 08/11/12 09:20

Lab Sample ID: CVH0822-02
Matrix: Soil
Percent Solids: 83.7

Method: SW 8260B - Volatile Organic Compounds

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<89.3	ICV2 L1	89.3		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Benzene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Bromobenzene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Bromochloromethane	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Bromodichloromethane	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Bromoform	<17.9		17.9		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Bromomethane	<35.7		35.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
2-Butanone (MEK)	<89.3		89.3		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
n-Butylbenzene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
sec-Butylbenzene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
tert-Butylbenzene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Carbon disulfide	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Carbon Tetrachloride	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Chlorobenzene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Chlorodibromomethane	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Chloroethane	<35.7		35.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Chloroform	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Chloromethane	<35.7		35.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
2-Chlorotoluene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
4-Chlorotoluene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,2-Dibromo-3-chloropropane	<89.3		89.3		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,2-Dibromoethane (EDB)	<89.3		89.3		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Dibromomethane	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,2-Dichlorobenzene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,3-Dichlorobenzene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,4-Dichlorobenzene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Dichlorodifluoromethane	<26.8		26.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,1-Dichloroethane	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,2-Dichloroethane	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,1-Dichloroethene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
cis-1,2-Dichloroethene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
trans-1,2-Dichloroethene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,2-Dichloropropane	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,3-Dichloropropane	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
2,2-Dichloropropane	<35.7		35.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,1-Dichloropropene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
cis-1,3-Dichloropropene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
trans-1,3-Dichloropropene	<8.93	CIN	8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Ethylbenzene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Hexachlorobutadiene	<44.7		44.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Hexane	<44.7		44.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Isopropylbenzene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
p-Isopropyltoluene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Methylene Chloride	<89.3	L	89.3		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Methyl tert-Butyl Ether	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Naphthalene	<44.7		44.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
n-Propylbenzene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Styrene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,1,1,2-Tetrachloroethane	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,1,2,2-Tetrachloroethane	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Tetrachloroethene	**72.7**		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Client Sample ID: SB11 (4-8')
Date Collected: 08/09/12 12:45
Date Received: 08/11/12 09:20

Lab Sample ID: CVH0822-02
Matrix: Soil
Percent Solids: 83.7

Method: SW 8260B - Volatile Organic Compounds (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,2,3-Trichlorobenzene	<44.7		44.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,2,4-Trichlorobenzene	<44.7		44.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,1,1-Trichloroethane	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,1,2-Trichloroethane	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Trichloroethene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Trichlorofluoromethane	<35.7		35.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,2,3-Trichloropropane	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,2,4-Trimethylbenzene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
1,3,5-Trimethylbenzene	<8.93		8.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Vinyl chloride	<26.8		26.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00
Xylenes, total	<26.8		26.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 16:48	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*75 - 125*	*08/13/12 00:00*	*08/13/12 16:48*	*1.00*
Toluene-d8	*100*		*80 - 120*	*08/13/12 00:00*	*08/13/12 16:48*	*1.00*
4-Bromofluorobenzene	*97*		*80 - 120*	*08/13/12 00:00*	*08/13/12 16:48*	*1.00*

Method: SM 2540 G - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Solids	**83.7**		0.1		%		08/13/12 15:08	08/13/12 15:08	1.00

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Client Sample ID: SB16 (0-4')
Date Collected: 08/09/12 14:05
Date Received: 08/11/12 09:20

Lab Sample ID: CVH0822-03
Matrix: Soil
Percent Solids: 79.2

Method: SW 8260B - Volatile Organic Compounds

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<91.6	ICV2 L1	91.6		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Benzene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Bromobenzene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Bromochloromethane	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Bromodichloromethane	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Bromoform	<18.3		18.3		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Bromomethane	<36.7		36.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
2-Butanone (MEK)	<91.6		91.6		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
n-Butylbenzene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
sec-Butylbenzene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
tert-Butylbenzene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Carbon disulfide	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Carbon Tetrachloride	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Chlorobenzene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Chlorodibromomethane	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Chloroethane	<36.7		36.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Chloroform	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Chloromethane	<36.7		36.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
2-Chlorotoluene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
4-Chlorotoluene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,2-Dibromo-3-chloropropane	<91.6		91.6		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,2-Dibromoethane (EDB)	<91.6		91.6		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Dibromomethane	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,2-Dichlorobenzene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,3-Dichlorobenzene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,4-Dichlorobenzene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Dichlorodifluoromethane	<27.5		27.5		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,1-Dichloroethane	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,2-Dichloroethane	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,1-Dichloroethene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
cis-1,2-Dichloroethene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
trans-1,2-Dichloroethene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,2-Dichloropropane	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,3-Dichloropropane	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
2,2-Dichloropropane	<36.7		36.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,1-Dichloropropene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
cis-1,3-Dichloropropene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
trans-1,3-Dichloropropene	<9.16	CIN	9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Ethylbenzene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Hexachlorobutadiene	<45.8		45.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Hexane	<45.8		45.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Isopropylbenzene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
p-Isopropyltoluene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Methylene Chloride	<91.6	L	91.6		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Methyl tert-Butyl Ether	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Naphthalene	<45.8		45.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
n-Propylbenzene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Styrene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,1,1,2-Tetrachloroethane	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,1,2,2-Tetrachloroethane	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Tetrachloroethene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Client Sample ID: SB16 (0-4')
Date Collected: 08/09/12 14:05
Date Received: 08/11/12 09:20

Lab Sample ID: CVH0822-03
Matrix: Soil
Percent Solids: 79.2

Method: SW 8260B - Volatile Organic Compounds (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,2,3-Trichlorobenzene	<45.8		45.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,2,4-Trichlorobenzene	<45.8		45.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,1,1-Trichloroethane	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,1,2-Trichloroethane	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Trichloroethene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Trichlorofluoromethane	<36.7		36.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,2,3-Trichloropropane	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,2,4-Trimethylbenzene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
1,3,5-Trimethylbenzene	<9.16		9.16		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Vinyl chloride	<27.5		27.5		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00
Xylenes, total	<27.5		27.5		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:11	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*75 - 125*	*08/13/12 00:00*	*08/13/12 17:11*	*1.00*
Toluene-d8	*96*		*80 - 120*	*08/13/12 00:00*	*08/13/12 17:11*	*1.00*
4-Bromofluorobenzene	*103*		*80 - 120*	*08/13/12 00:00*	*08/13/12 17:11*	*1.00*

Method: SW 7471B - Total Metals by SW 846 Series Methods

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0485**		0.0253		mg/kg dry	☼	08/13/12 15:00	08/14/12 13:01	1.00

Method: SW 6010C - Total Metals by SW 846 Series Methods

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<13.6	IE	13.6		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:27	3.00
Barium	**363**		1.70		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:27	3.00
Cadmium	<3.39	IE	3.39		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:27	3.00
Chromium	**19.1**		3.39		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:27	3.00
Lead	**43.2**		17.0		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:27	3.00
Selenium	<25.4	IE	25.4		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:27	3.00
Silver	**4.24**		3.39		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:27	3.00

Method: SM 2540 G - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Solids	**79.2**		0.1		%		08/13/12 15:08	08/13/12 15:08	1.00

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Client Sample ID: SB18 (0-4')
Date Collected: 08/09/12 14:35
Date Received: 08/11/12 09:20

Lab Sample ID: CVH0822-04
Matrix: Soil
Percent Solids: 80.3

Method: SW 8260B - Volatile Organic Compounds

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<147	ICV2 L1	147		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Benzene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Bromobenzene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Bromochloromethane	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Bromodichloromethane	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Bromoform	<29.5		29.5		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Bromomethane	<59.0		59.0		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
2-Butanone (MEK)	<147		147		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
n-Butylbenzene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
sec-Butylbenzene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
tert-Butylbenzene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Carbon disulfide	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Carbon Tetrachloride	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Chlorobenzene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Chlorodibromomethane	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Chloroethane	<59.0		59.0		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Chloroform	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Chloromethane	<59.0		59.0		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
2-Chlorotoluene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
4-Chlorotoluene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,2-Dibromo-3-chloropropane	<147		147		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,2-Dibromoethane (EDB)	<147		147		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Dibromomethane	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,2-Dichlorobenzene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,3-Dichlorobenzene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,4-Dichlorobenzene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Dichlorodifluoromethane	<44.2		44.2		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,1-Dichloroethane	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,2-Dichloroethane	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,1-Dichloroethene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
cis-1,2-Dichloroethene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
trans-1,2-Dichloroethene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,2-Dichloropropane	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,3-Dichloropropane	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
2,2-Dichloropropane	<59.0		59.0		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,1-Dichloropropene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
cis-1,3-Dichloropropene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
trans-1,3-Dichloropropene	<14.7	CIN	14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Ethylbenzene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Hexachlorobutadiene	<73.7		73.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Hexane	<73.7		73.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Isopropylbenzene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
p-Isopropyltoluene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Methylene Chloride	<147	L	147		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Methyl tert-Butyl Ether	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Naphthalene	<73.7		73.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
n-Propylbenzene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Styrene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,1,1,2-Tetrachloroethane	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,1,2,2-Tetrachloroethane	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Tetrachloroethene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Client Sample ID: SB18 (0-4')
Date Collected: 08/09/12 14:35
Date Received: 08/11/12 09:20

Lab Sample ID: CVH0822-04
Matrix: Soil
Percent Solids: 80.3

Method: SW 8260B - Volatile Organic Compounds (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,2,3-Trichlorobenzene	<73.7		73.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,2,4-Trichlorobenzene	<73.7		73.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,1,1-Trichloroethane	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,1,2-Trichloroethane	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Trichloroethene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Trichlorofluoromethane	<59.0		59.0		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,2,3-Trichloropropane	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,2,4-Trimethylbenzene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
1,3,5-Trimethylbenzene	<14.7		14.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Vinyl chloride	<44.2		44.2		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00
Xylenes, total	<44.2		44.2		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:35	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*75 - 125*	*08/13/12 00:00*	*08/13/12 17:35*	*1.00*
Toluene-d8	*93*		*80 - 120*	*08/13/12 00:00*	*08/13/12 17:35*	*1.00*
4-Bromofluorobenzene	*101*		*80 - 120*	*08/13/12 00:00*	*08/13/12 17:35*	*1.00*

Method: SM 2540 G - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Solids	**80.3**		0.1		%		08/13/12 15:08	08/13/12 15:08	1.00

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Client Sample ID: SB21 (0-4')
Date Collected: 08/10/12 08:45
Date Received: 08/11/12 09:20

Lab Sample ID: CVH0822-05
Matrix: Soil
Percent Solids: 82.7

Method: SW 8260B - Volatile Organic Compounds

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<96.8	ICV2 L1	96.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Benzene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Bromobenzene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Bromochloromethane	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Bromodichloromethane	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Bromoform	<19.4		19.4		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Bromomethane	<38.7		38.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
2-Butanone (MEK)	<96.8		96.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
n-Butylbenzene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
sec-Butylbenzene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
tert-Butylbenzene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Carbon disulfide	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Carbon Tetrachloride	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Chlorobenzene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Chlorodibromomethane	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Chloroethane	<38.7		38.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Chloroform	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Chloromethane	<38.7		38.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
2-Chlorotoluene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
4-Chlorotoluene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,2-Dibromo-3-chloropropane	<96.8		96.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,2-Dibromoethane (EDB)	<96.8		96.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Dibromomethane	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,2-Dichlorobenzene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,3-Dichlorobenzene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,4-Dichlorobenzene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Dichlorodifluoromethane	<29.0		29.0		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,1-Dichloroethane	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,2-Dichloroethane	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,1-Dichloroethene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
cis-1,2-Dichloroethene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
trans-1,2-Dichloroethene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,2-Dichloropropane	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,3-Dichloropropane	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
2,2-Dichloropropane	<38.7		38.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,1-Dichloropropene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
cis-1,3-Dichloropropene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
trans-1,3-Dichloropropene	<9.68	CIN	9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Ethylbenzene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Hexachlorobutadiene	<48.4		48.4		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Hexane	<48.4		48.4		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Isopropylbenzene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
p-Isopropyltoluene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Methylene Chloride	<96.8	L	96.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Methyl tert-Butyl Ether	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Naphthalene	<48.4		48.4		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
n-Propylbenzene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Styrene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,1,1,2-Tetrachloroethane	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,1,2,2-Tetrachloroethane	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Tetrachloroethene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Client Sample ID: SB21 (0-4')
Date Collected: 08/10/12 08:45
Date Received: 08/11/12 09:20

Lab Sample ID: CVH0822-05
Matrix: Soil
Percent Solids: 82.7

Method: SW 8260B - Volatile Organic Compounds (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,2,3-Trichlorobenzene	<48.4		48.4		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,2,4-Trichlorobenzene	<48.4		48.4		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,1,1-Trichloroethane	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,1,2-Trichloroethane	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Trichloroethene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Trichlorofluoromethane	<38.7		38.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,2,3-Trichloropropane	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,2,4-Trimethylbenzene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
1,3,5-Trimethylbenzene	<9.68		9.68		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Vinyl chloride	<29.0		29.0		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00
Xylenes, total	<29.0		29.0		ug/kg dry	☼	08/13/12 00:00	08/13/12 17:58	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*75 - 125*	*08/13/12 00:00*	*08/13/12 17:58*	*1.00*
Toluene-d8	*95*		*80 - 120*	*08/13/12 00:00*	*08/13/12 17:58*	*1.00*
4-Bromofluorobenzene	*103*		*80 - 120*	*08/13/12 00:00*	*08/13/12 17:58*	*1.00*

Method: SW 7471B - Total Metals by SW 846 Series Methods

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0637**		0.0242		mg/kg dry	☼	08/13/12 15:00	08/14/12 13:02	1.00

Method: SW 6010C - Total Metals by SW 846 Series Methods

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**9.35**		4.84		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:07	1.00
Barium	**342**		0.605		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:07	1.00
Cadmium	<1.21		1.21		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:07	1.00
Chromium	**18.7**		1.21		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:07	1.00
Lead	**15.1**		6.05		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:07	1.00
Selenium	<9.07		9.07		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:07	1.00
Silver	**3.45**		1.21		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:07	1.00

Method: SM 2540 G - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Solids	**82.7**		0.1		%		08/13/12 15:08	08/13/12 15:08	1.00

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Client Sample ID: Duplicate 1
Date Collected: 08/09/12 00:00
Date Received: 08/11/12 09:20

Lab Sample ID: CVH0822-06
Matrix: Soil
Percent Solids: 80.4

Method: SW 8260B - Volatile Organic Compounds

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<99.3	ICV2 L1	99.3		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Benzene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Bromobenzene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Bromochloromethane	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Bromodichloromethane	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Bromoform	<19.9		19.9		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Bromomethane	<39.7		39.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
2-Butanone (MEK)	<99.3		99.3		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
n-Butylbenzene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
sec-Butylbenzene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
tert-Butylbenzene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Carbon disulfide	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Carbon Tetrachloride	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Chlorobenzene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Chlorodibromomethane	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Chloroethane	<39.7		39.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Chloroform	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Chloromethane	<39.7		39.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
2-Chlorotoluene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
4-Chlorotoluene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,2-Dibromo-3-chloropropane	<99.3		99.3		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,2-Dibromoethane (EDB)	<99.3		99.3		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Dibromomethane	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,2-Dichlorobenzene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,3-Dichlorobenzene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,4-Dichlorobenzene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Dichlorodifluoromethane	<29.8		29.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,1-Dichloroethane	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,2-Dichloroethane	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,1-Dichloroethene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
cis-1,2-Dichloroethene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
trans-1,2-Dichloroethene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,2-Dichloropropane	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,3-Dichloropropane	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
2,2-Dichloropropane	<39.7		39.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,1-Dichloropropene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
cis-1,3-Dichloropropene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
trans-1,3-Dichloropropene	<9.93	CIN	9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Ethylbenzene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Hexachlorobutadiene	<49.6		49.6		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Hexane	<49.6		49.6		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Isopropylbenzene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
p-Isopropyltoluene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Methylene Chloride	<99.3	L	99.3		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Methyl tert-Butyl Ether	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Naphthalene	<49.6		49.6		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
n-Propylbenzene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Styrene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,1,1,2-Tetrachloroethane	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,1,2,2-Tetrachloroethane	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Tetrachloroethene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Client Sample ID: Duplicate 1
Date Collected: 08/09/12 00:00
Date Received: 08/11/12 09:20

Lab Sample ID: CVH0822-06
Matrix: Soil
Percent Solids: 80.4

Method: SW 8260B - Volatile Organic Compounds (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,2,3-Trichlorobenzene	<49.6		49.6		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,2,4-Trichlorobenzene	<49.6		49.6		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,1,1-Trichloroethane	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,1,2-Trichloroethane	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Trichloroethene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Trichlorofluoromethane	<39.7		39.7		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,2,3-Trichloropropane	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,2,4-Trimethylbenzene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
1,3,5-Trimethylbenzene	<9.93		9.93		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Vinyl chloride	<29.8		29.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00
Xylenes, total	<29.8		29.8		ug/kg dry	☼	08/13/12 00:00	08/13/12 18:21	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*75 - 125*	*08/13/12 00:00*	*08/13/12 18:21*	*1.00*
Toluene-d8	*95*		*80 - 120*	*08/13/12 00:00*	*08/13/12 18:21*	*1.00*
4-Bromofluorobenzene	*100*		*80 - 120*	*08/13/12 00:00*	*08/13/12 18:21*	*1.00*

Method: SM 2540 G - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Solids	**80.4**		0.1		%		08/13/12 15:08	08/13/12 15:08	1.00

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Client Sample ID: SB10 (0-4')
Date Collected: 08/09/12 12:25
Date Received: 08/11/12 09:20

Lab Sample ID: CVH0822-07
Matrix: Soil
Percent Solids: 80.4

Method: SW 7471B - Total Metals by SW 846 Series Methods

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.197**		0.0249		mg/kg dry	☼	08/13/12 15:00	08/14/12 13:04	1.00

Method: SW 6010C - Total Metals by SW 846 Series Methods

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**11.8**		4.97		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:09	1.00
Barium	**360**		0.622		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:09	1.00
Cadmium	<1.24		1.24		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:09	1.00
Chromium	**18.4**		1.24		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:09	1.00
Lead	**255**		6.22		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:09	1.00
Selenium	<9.32		9.32		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:09	1.00
Silver	**3.76**		1.24		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:09	1.00

Method: SM 2540 G - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Solids	**80.4**		0.1		%		08/13/12 15:08	08/13/12 15:08	1.00

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Client Sample ID: Duplicate 2
Date Collected: 08/09/12 00:00
Date Received: 08/11/12 09:20

Lab Sample ID: CVH0822-08
Matrix: Soil
Percent Solids: 80.8

Method: SW 7471B - Total Metals by SW 846 Series Methods

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.256**		0.0247		mg/kg dry	☼	08/13/12 15:00	08/14/12 13:06	1.00

Method: SW 6010C - Total Metals by SW 846 Series Methods

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**14.4**		4.95		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:10	1.00
Barium	**465**		0.619		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:10	1.00
Cadmium	<1.24		1.24		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:10	1.00
Chromium	**19.8**		1.24		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:10	1.00
Lead	**604**		6.19		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:10	1.00
Selenium	<9.28		9.28		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:10	1.00
Silver	**3.98**		1.24		mg/kg dry	☼	08/14/12 09:33	08/14/12 20:10	1.00

Method: SM 2540 G - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Solids	**80.8**		0.1		%		08/13/12 15:08	08/13/12 15:08	1.00

Surrogate Summary

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Method: SW 8260B - Volatile Organic Compounds

Matrix: Soil **Prep Type: Total**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	Toluene-d8	BFB
Lab Sample ID	Client Sample ID	(75-125)	(80-120)	(80-120)
CVH0822-01	SB10 (4-8')	98	95	102
CVH0822-02	SB11 (4-8')	101	100	97
CVH0822-03	SB16 (0-4')	100	96	103
CVH0822-04	SB18 (0-4')	101	93	101
CVH0822-05	SB21 (0-4')	103	95	103
CVH0822-06	Duplicate 1	99	95	100

Surrogate Legend

DBFM = Dibromofluoromethane
Toluene-d8 = Toluene-d8
BFB = 4-Bromofluorobenzene

Method: SW 8260B - Volatile Organic Compounds

Matrix: Solid/Soil **Prep Type: Total**

		Percent Surrogate Recovery (Acceptance Limits)		
		DBFM	Toluene-d8	BFB
Lab Sample ID	Client Sample ID	(75-125)	(80-120)	(80-120)
12H0586-BLK1	Method Blank	94	94	104
12H0586-BS1	Lab Control Sample	96	93	107
12H0586-MS1	Matrix Spike	98	94	103
12H0586-MSD1	Matrix Spike Duplicate	100	96	104

Surrogate Legend

DBFM = Dibromofluoromethane
Toluene-d8 = Toluene-d8
BFB = 4-Bromofluorobenzene

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Method: SW 8260B - Volatile Organic Compounds

Lab Sample ID: 12H0586-BLK1
Matrix: Solid/Soil
Analysis Batch: 12H0586

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12H0586_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<86.3	ICV2	86.3		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Benzene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Bromobenzene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Bromochloromethane	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Bromodichloromethane	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Bromoform	<17.3		17.3		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Bromomethane	<34.5		34.5		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
2-Butanone (MEK)	<86.3		86.3		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
n-Butylbenzene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
sec-Butylbenzene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
tert-Butylbenzene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Carbon disulfide	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Carbon Tetrachloride	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Chlorobenzene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Chlorodibromomethane	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Chloroethane	<34.5		34.5		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Chloroform	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Chloromethane	<34.5		34.5		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
2-Chlorotoluene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
4-Chlorotoluene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,2-Dibromo-3-chloropropane	<86.3		86.3		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,2-Dibromoethane (EDB)	<86.3		86.3		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Dibromomethane	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,2-Dichlorobenzene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,3-Dichlorobenzene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,4-Dichlorobenzene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Dichlorodifluoromethane	<25.9		25.9		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,1-Dichloroethane	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,2-Dichloroethane	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,1-Dichloroethene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
cis-1,2-Dichloroethene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
trans-1,2-Dichloroethene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,2-Dichloropropane	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,3-Dichloropropane	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
2,2-Dichloropropane	<34.5		34.5		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,1-Dichloropropene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
cis-1,3-Dichloropropene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
trans-1,3-Dichloropropene	<8.63	CIN	8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Ethylbenzene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Hexachlorobutadiene	<43.1		43.1		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Hexane	<43.1		43.1		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Isopropylbenzene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
p-Isopropyltoluene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Methylene Chloride	<86.3		86.3		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Methyl tert-Butyl Ether	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Naphthalene	<43.1		43.1		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
n-Propylbenzene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Styrene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,1,1,2-Tetrachloroethane	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00

Method: SW 8260B - Volatile Organic Compounds (Continued)

Lab Sample ID: 12H0586-BLK1
Matrix: Solid/Soil
Analysis Batch: 12H0586

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12H0586_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Tetrachloroethene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Toluene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,2,3-Trichlorobenzene	<43.1		43.1		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,2,4-Trichlorobenzene	<43.1		43.1		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,1,1-Trichloroethane	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,1,2-Trichloroethane	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Trichloroethene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Trichlorofluoromethane	<34.5		34.5		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,2,3-Trichloropropane	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,2,4-Trimethylbenzene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
1,3,5-Trimethylbenzene	<8.63		8.63		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Vinyl chloride	<25.9		25.9		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00
Xylenes, total	<25.9		25.9		ug/kg wet		08/13/12 00:00	08/13/12 13:17	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*94*		*75 - 125*	*08/13/12 00:00*	*08/13/12 13:17*	*1.00*
Toluene-d8	*94*		*80 - 120*	*08/13/12 00:00*	*08/13/12 13:17*	*1.00*
4-Bromofluorobenzene	*104*		*80 - 120*	*08/13/12 00:00*	*08/13/12 13:17*	*1.00*

Lab Sample ID: 12H0586-BS1
Matrix: Solid/Soil
Analysis Batch: 12H0586

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12H0586_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.4	72.4	ICV2 L1	ug/kg wet		179	65 - 150
Benzene	40.4	42.0		ug/kg wet		104	55 - 135
Bromobenzene	40.4	41.8		ug/kg wet		104	65 - 125
Bromochloromethane	40.4	46.3		ug/kg wet		115	65 - 130
Bromodichloromethane	40.4	40.9		ug/kg wet		101	65 - 130
Bromoform	40.4	44.2		ug/kg wet		110	50 - 135
Bromomethane	40.4	39.2		ug/kg wet		97	45 - 135
2-Butanone (MEK)	40.4	50.0		ug/kg wet		124	50 - 145
n-Butylbenzene	40.4	37.5		ug/kg wet		93	55 - 130
sec-Butylbenzene	40.4	38.4		ug/kg wet		95	60 - 125
tert-Butylbenzene	40.4	39.3		ug/kg wet		97	55 - 125
Carbon disulfide	40.4	41.8		ug/kg wet		104	40 - 135
Carbon Tetrachloride	40.4	46.2		ug/kg wet		114	55 - 130
Chlorobenzene	40.4	39.5		ug/kg wet		98	60 - 120
Chlorodibromomethane	40.4	43.9		ug/kg wet		109	55 - 130
Chloroethane	40.4	39.8		ug/kg wet		99	50 - 145
Chloroform	40.4	41.8		ug/kg wet		104	65 - 130
Chloromethane	40.4	34.7		ug/kg wet		86	40 - 135
2-Chlorotoluene	40.4	39.4		ug/kg wet		98	60 - 125
4-Chlorotoluene	40.4	39.0		ug/kg wet		97	60 - 125
1,2-Dibromo-3-chloropropane	40.4	42.5		ug/kg wet		105	50 - 140
1,2-Dibromoethane (EDB)	40.4	42.6		ug/kg wet		106	55 - 140
Dibromomethane	40.4	43.8		ug/kg wet		108	65 - 135
1,2-Dichlorobenzene	40.4	38.4		ug/kg wet		95	65 - 120

Method: SW 8260B - Volatile Organic Compounds (Continued)

Lab Sample ID: 12H0586-BS1
Matrix: Solid/Soil
Analysis Batch: 12H0586

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12H0586_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	40.4	39.1		ug/kg wet		97	60 - 125
1,4-Dichlorobenzene	40.4	37.5		ug/kg wet		93	60 - 125
Dichlorodifluoromethane	40.4	37.7		ug/kg wet		93	40 - 135
1,1-Dichloroethane	40.4	41.1		ug/kg wet		102	55 - 135
1,2-Dichloroethane	40.4	45.1		ug/kg wet		112	60 - 140
1,1-Dichloroethene	40.4	38.3		ug/kg wet		95	50 - 145
cis-1,2-Dichloroethene	40.4	42.1		ug/kg wet		104	60 - 135
trans-1,2-Dichloroethene	40.4	41.4		ug/kg wet		103	55 - 135
1,2-Dichloropropane	40.4	42.2		ug/kg wet		105	55 - 130
1,3-Dichloropropane	40.4	43.4		ug/kg wet		108	55 - 140
2,2-Dichloropropane	40.4	43.4		ug/kg wet		107	40 - 135
1,1-Dichloropropene	40.4	44.8		ug/kg wet		111	55 - 130
cis-1,3-Dichloropropene	40.4	43.7		ug/kg wet		108	50 - 115
trans-1,3-Dichloropropene	40.4	41.8	CIN	ug/kg wet		104	55 - 130
Ethylbenzene	40.4	39.3		ug/kg wet		97	60 - 125
Hexachlorobutadiene	40.4	41.4		ug/kg wet		103	40 - 135
Hexane	40.4	33.3		ug/kg wet		82	45 - 140
Isopropylbenzene	40.4	40.6		ug/kg wet		101	60 - 125
p-Isopropyltoluene	40.4	37.4		ug/kg wet		93	60 - 120
Methylene Chloride	40.4	87.8	L	ug/kg wet		218	55 - 145
Methyl tert-Butyl Ether	40.4	44.7		ug/kg wet		111	55 - 130
Naphthalene	40.4	40.5		ug/kg wet		100	50 - 130
n-Propylbenzene	40.4	39.7		ug/kg wet		98	50 - 125
Styrene	40.4	40.2		ug/kg wet		100	60 - 125
1,1,1,2-Tetrachloroethane	40.4	41.8		ug/kg wet		104	65 - 125
1,1,2,2-Tetrachloroethane	40.4	41.4		ug/kg wet		103	60 - 125
Tetrachloroethene	40.4	42.1		ug/kg wet		104	55 - 125
Toluene	40.4	40.1		ug/kg wet		99	60 - 130
1,2,3-Trichlorobenzene	40.4	41.2		ug/kg wet		102	50 - 130
1,2,4-Trichlorobenzene	40.4	39.1		ug/kg wet		97	45 - 135
1,1,1-Trichloroethane	40.4	47.6		ug/kg wet		118	60 - 125
1,1,2-Trichloroethane	40.4	41.8		ug/kg wet		104	55 - 135
Trichloroethene	40.4	42.5		ug/kg wet		105	60 - 130
Trichlorofluoromethane	40.4	45.3		ug/kg wet		112	50 - 145
1,2,3-Trichloropropane	40.4	41.1		ug/kg wet		102	50 - 145
1,2,4-Trimethylbenzene	40.4	39.1		ug/kg wet		97	55 - 125
1,3,5-Trimethylbenzene	40.4	40.7		ug/kg wet		101	50 - 130
Vinyl chloride	40.4	35.6		ug/kg wet		88	45 - 140
Xylenes, total	121	118		ug/kg wet		98	50 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*96*		*75 - 125*
Toluene-d8	*93*		*80 - 120*
4-Bromofluorobenzene	*107*		*80 - 120*

Method: SW 8260B - Volatile Organic Compounds (Continued)

Lab Sample ID: 12H0586-MS1
Matrix: Solid/Soil
Analysis Batch: 12H0586

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 12H0586_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	129		60.8	213	ICV2	ug/kg dry	☼	138	55 - 150
Benzene	0.551		60.8	64.5		ug/kg dry	☼	105	40 - 135
Bromobenzene	0.453		60.8	53.2		ug/kg dry	☼	87	30 - 125
Bromochloromethane	<1.73		60.8	68.2		ug/kg dry	☼	112	55 - 130
Bromodichloromethane	0.926		60.8	61.6		ug/kg dry	☼	100	50 - 130
Bromoform	<0.433		60.8	59.1		ug/kg dry	☼	97	35 - 135
Bromomethane	<1.52		60.8	61.6		ug/kg dry	☼	101	40 - 135
2-Butanone (MEK)	21.6		60.8	81.0		ug/kg dry	☼	98	40 - 145
n-Butylbenzene	1.00		60.8	50.2		ug/kg dry	☼	81	20 - 130
sec-Butylbenzene	0.591		60.8	51.3		ug/kg dry	☼	84	25 - 125
tert-Butylbenzene	0.551		60.8	54.6		ug/kg dry	☼	89	25 - 125
Carbon disulfide	1.52		60.8	53.7		ug/kg dry	☼	86	35 - 135
Carbon Tetrachloride	<0.906		60.8	66.7		ug/kg dry	☼	110	45 - 130
Chlorobenzene	0.729		60.8	56.8		ug/kg dry	☼	92	35 - 120
Chlorodibromomethane	<0.689		60.8	61.3		ug/kg dry	☼	101	45 - 130
Chloroethane	<1.14		60.8	62.1		ug/kg dry	☼	102	45 - 145
Chloroform	1.97		60.8	63.3		ug/kg dry	☼	101	55 - 130
Chloromethane	<1.36		60.8	55.6		ug/kg dry	☼	91	40 - 135
2-Chlorotoluene	0.532		60.8	51.7		ug/kg dry	☼	84	25 - 125
4-Chlorotoluene	0.788		60.8	54.0		ug/kg dry	☼	88	25 - 125
1,2-Dibromo-3-chloropropane	<2.32		60.8	56.3		ug/kg dry	☼	93	35 - 140
1,2-Dibromoethane (EDB)	<0.532		60.8	58.6		ug/kg dry	☼	96	45 - 140
Dibromomethane	<0.473		60.8	62.3		ug/kg dry	☼	102	50 - 135
1,2-Dichlorobenzene	0.689		60.8	51.2		ug/kg dry	☼	83	25 - 120
1,3-Dichlorobenzene	0.630		60.8	49.2		ug/kg dry	☼	80	25 - 125
1,4-Dichlorobenzene	0.847		60.8	51.1		ug/kg dry	☼	83	20 - 125
Dichlorodifluoromethane	<0.473		60.8	56.1		ug/kg dry	☼	92	35 - 135
1,1-Dichloroethane	5.46		60.8	66.0		ug/kg dry	☼	100	50 - 135
1,2-Dichloroethane	<1.00		60.8	66.1		ug/kg dry	☼	109	50 - 140
1,1-Dichloroethene	8.13		60.8	63.9		ug/kg dry	☼	92	45 - 145
cis-1,2-Dichloroethene	8.29		60.8	67.3		ug/kg dry	☼	97	50 - 135
trans-1,2-Dichloroethene	1.02		60.8	63.2		ug/kg dry	☼	102	45 - 135
1,2-Dichloropropane	<1.85		60.8	61.0		ug/kg dry	☼	100	50 - 130
1,3-Dichloropropane	<0.374		60.8	60.9		ug/kg dry	☼	100	45 - 140
2,2-Dichloropropane	<0.650		60.8	65.0		ug/kg dry	☼	107	40 - 135
1,1-Dichloropropene	<0.670		60.8	66.6		ug/kg dry	☼	110	40 - 130
cis-1,3-Dichloropropene	<1.62		60.8	64.9		ug/kg dry	☼	107	35 - 115
trans-1,3-Dichloropropene	<0.926		60.8	60.6	CIN	ug/kg dry	☼	100	35 - 130
Ethylbenzene	1.00		60.8	55.4		ug/kg dry	☼	89	30 - 125
Hexachlorobutadiene	0.551		60.8	45.9		ug/kg dry	☼	75	10 - 135
Hexane	1.89		60.8	47.5		ug/kg dry	☼	75	20 - 140
Isopropylbenzene	<1.08		60.8	57.2		ug/kg dry	☼	94	25 - 125
p-Isopropyltoluene	0.571		60.8	50.5		ug/kg dry	☼	82	20 - 120
Methylene Chloride	62.8		60.8	142		ug/kg dry	☼	130	35 - 145
Methyl tert-Butyl Ether	<0.433		60.8	66.5		ug/kg dry	☼	109	55 - 130
Naphthalene	<2.62		60.8	45.2		ug/kg dry	☼	74	15 - 130
n-Propylbenzene	0.926		60.8	54.9		ug/kg dry	☼	89	20 - 125
Styrene	0.867		60.8	55.0		ug/kg dry	☼	89	20 - 125
1,1,1,2-Tetrachloroethane	0.473		60.8	61.7		ug/kg dry	☼	101	45 - 120

Method: SW 8260B - Volatile Organic Compounds (Continued)

Lab Sample ID: 12H0586-MS1
Matrix: Solid/Soil
Analysis Batch: 12H0586

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 12H0586_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	<0.433		60.8	53.8		ug/kg dry	☼	89	40 - 125
Tetrachloroethene	54.0		60.8	126		ug/kg dry	☼	118	30 - 125
Toluene	4.25		60.8	62.9		ug/kg dry	☼	97	35 - 130
1,2,3-Trichlorobenzene	0.709		60.8	39.1		ug/kg dry	☼	63	10 - 130
1,2,4-Trichlorobenzene	1.20		60.8	45.7		ug/kg dry	☼	73	15 - 135
1,1,1-Trichloroethane	5.22		60.8	77.8		ug/kg dry	☼	119	45 - 125
1,1,2-Trichloroethane	<4.79		60.8	62.5		ug/kg dry	☼	103	45 - 135
Trichloroethene	4.77		60.8	64.2		ug/kg dry	☼	98	40 - 130
Trichlorofluoromethane	0.473		60.8	66.8		ug/kg dry	☼	109	45 - 145
1,2,3-Trichloropropane	<0.551		60.8	55.9		ug/kg dry	☼	92	50 - 145
1,2,4-Trimethylbenzene	1.63		60.8	51.7		ug/kg dry	☼	82	20 - 125
1,3,5-Trimethylbenzene	<0.808		60.8	53.1		ug/kg dry	☼	87	20 - 130
Vinyl chloride	<0.571		60.8	61.9		ug/kg dry	☼	102	40 - 140
Xylenes, total	3.09		182	164		ug/kg dry	☼	88	30 - 130

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
Dibromofluoromethane	*98*		*75 - 125*
Toluene-d8	*94*		*80 - 120*
4-Bromofluorobenzene	*103*		*80 - 120*

Lab Sample ID: 12H0586-MSD1
Matrix: Solid/Soil
Analysis Batch: 12H0586

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 12H0586_P

Analyte	Sample Result	Sample Qualifier	Spike Added	ıtrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	129		55.1	190	ICV2	ug/kg dry	☼	111	55 - 150	11	40
Benzene	0.551		55.1	58.2		ug/kg dry	☼	105	40 - 135	10	40
Bromobenzene	0.453		55.1	47.7		ug/kg dry	☼	86	30 - 125	11	40
Bromochloromethane	<1.73		55.1	63.5		ug/kg dry	☼	115	55 - 130	7	35
Bromodichloromethane	0.926		55.1	55.8		ug/kg dry	☼	100	50 - 130	10	35
Bromoform	<0.433		55.1	52.1		ug/kg dry	☼	95	35 - 135	13	40
Bromomethane	<1.52		55.1	55.3		ug/kg dry	☼	100	40 - 135	11	35
2-Butanone (MEK)	21.6		55.1	74.7		ug/kg dry	☼	97	40 - 145	8	40
n-Butylbenzene	1.00		55.1	42.6		ug/kg dry	☼	75	20 - 130	17	40
sec-Butylbenzene	0.591		55.1	47.2		ug/kg dry	☼	85	25 - 125	8	40
tert-Butylbenzene	0.551		55.1	49.9		ug/kg dry	☼	90	25 - 125	9	40
Carbon disulfide	1.52		55.1	46.5		ug/kg dry	☼	82	35 - 135	14	40
Carbon Tetrachloride	<0.906		55.1	62.8		ug/kg dry	☼	114	45 - 130	6	35
Chlorobenzene	0.729		55.1	51.1		ug/kg dry	☼	91	35 - 120	10	35
Chlorodibromomethane	<0.689		55.1	56.1		ug/kg dry	☼	102	45 - 130	9	40
Chloroethane	<1.14		55.1	58.9		ug/kg dry	☼	107	45 - 145	5	35
Chloroform	1.97		55.1	58.4		ug/kg dry	☼	102	55 - 130	8	35
Chloromethane	<1.36		55.1	49.0		ug/kg dry	☼	89	40 - 135	13	40
2-Chlorotoluene	0.532		55.1	46.9		ug/kg dry	☼	84	25 - 125	10	40
4-Chlorotoluene	0.788		55.1	46.0		ug/kg dry	☼	82	25 - 125	16	40
1,2-Dibromo-3-chloropropane	<2.32		55.1	50.3		ug/kg dry	☼	91	35 - 140	11	40
1,2-Dibromoethane (EDB)	<0.532		55.1	51.5		ug/kg dry	☼	94	45 - 140	13	35
Dibromomethane	<0.473		55.1	56.3		ug/kg dry	☼	102	50 - 135	10	35
1,2-Dichlorobenzene	0.689		55.1	43.1		ug/kg dry	☼	77	25 - 120	17	40

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Method: SW 8260B - Volatile Organic Compounds (Continued)

Lab Sample ID: 12H0586-MSD1
Matrix: Solid/Soil
Analysis Batch: 12H0586

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 12H0586_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichlorobenzene	0.630		55.1	43.5		ug/kg dry	☼	78	25 - 125	12	40
1,4-Dichlorobenzene	0.847		55.1	42.1		ug/kg dry	☼	75	20 - 125	19	40
Dichlorodifluoromethane	<0.473		55.1	51.5		ug/kg dry	☼	94	35 - 135	9	35
1,1-Dichloroethane	5.46		55.1	59.6		ug/kg dry	☼	98	50 - 135	10	35
1,2-Dichloroethane	<1.00		55.1	57.9		ug/kg dry	☼	105	50 - 140	13	40
1,1-Dichloroethene	8.13		55.1	58.9		ug/kg dry	☼	92	45 - 145	8	35
cis-1,2-Dichloroethene	8.29		55.1	62.3		ug/kg dry	☼	98	50 - 135	8	35
trans-1,2-Dichloroethene	1.02		55.1	58.6		ug/kg dry	☼	104	45 - 135	8	40
1,2-Dichloropropane	<1.85		55.1	55.1		ug/kg dry	☼	100	50 - 130	10	35
1,3-Dichloropropane	<0.374		55.1	54.4		ug/kg dry	☼	99	45 - 140	11	40
2,2-Dichloropropane	<0.650		55.1	57.6		ug/kg dry	☼	105	40 - 135	12	35
1,1-Dichloropropene	<0.670		55.1	59.0		ug/kg dry	☼	107	40 - 130	12	35
cis-1,3-Dichloropropene	<1.62		55.1	58.4		ug/kg dry	☼	106	35 - 115	10	40
trans-1,3-Dichloropropene	<0.926		55.1	52.3	CIN	ug/kg dry	☼	95	35 - 130	15	40
Ethylbenzene	1.00		55.1	51.2		ug/kg dry	☼	91	30 - 125	8	40
Hexachlorobutadiene	0.551		55.1	41.2		ug/kg dry	☼	74	10 - 135	11	40
Hexane	1.89		55.1	42.3		ug/kg dry	☼	73	20 - 140	12	40
Isopropylbenzene	<1.08		55.1	51.9		ug/kg dry	☼	94	25 - 125	10	40
p-Isopropyltoluene	0.571		55.1	44.7		ug/kg dry	☼	80	20 - 120	12	40
Methylene Chloride	62.8		55.1	147	M1	ug/kg dry	☼	153	35 - 145	3	35
Methyl tert-Butyl Ether	<0.433		55.1	58.7		ug/kg dry	☼	107	55 - 130	12	40
Naphthalene	<2.62		55.1	36.2		ug/kg dry	☼	66	15 - 130	22	40
n-Propylbenzene	0.926		55.1	48.8		ug/kg dry	☼	87	20 - 125	12	40
Styrene	0.867		55.1	48.1		ug/kg dry	☼	86	20 - 125	13	40
1,1,1,2-Tetrachloroethane	0.473		55.1	56.3		ug/kg dry	☼	101	45 - 120	9	35
1,1,2,2-Tetrachloroethane	<0.433		55.1	49.4		ug/kg dry	☼	90	40 - 125	8	40
Tetrachloroethene	54.0		55.1	124	M1	ug/kg dry	☼	127	30 - 125	2	40
Toluene	4.25		55.1	55.4		ug/kg dry	☼	93	35 - 130	13	40
1,2,3-Trichlorobenzene	0.709		55.1	34.0		ug/kg dry	☼	60	10 - 130	14	40
1,2,4-Trichlorobenzene	1.20		55.1	35.0		ug/kg dry	☼	61	15 - 135	26	40
1,1,1-Trichloroethane	5.22		55.1	70.9		ug/kg dry	☼	119	45 - 125	9	35
1,1,2-Trichloroethane	<4.79		55.1	54.2		ug/kg dry	☼	98	45 - 135	14	40
Trichloroethene	4.77		55.1	60.1		ug/kg dry	☼	100	40 - 130	7	35
Trichlorofluoromethane	0.473		55.1	61.6		ug/kg dry	☼	111	45 - 145	8	35
1,2,3-Trichloropropane	<0.551		55.1	49.8		ug/kg dry	☼	90	50 - 145	11	40
1,2,4-Trimethylbenzene	1.63		55.1	47.2		ug/kg dry	☼	83	20 - 125	9	40
1,3,5-Trimethylbenzene	<0.808		55.1	48.6		ug/kg dry	☼	88	20 - 130	9	35
Vinyl chloride	<0.571		55.1	56.6		ug/kg dry	☼	103	40 - 140	9	40
Xylenes, total	3.09		165	152		ug/kg dry	☼	90	30 - 130	7	40

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
Dibromofluoromethane	*100*		*75 - 125*
Toluene-d8	*96*		*80 - 120*
4-Bromofluorobenzene	*104*		*80 - 120*

Method: SW 7471B - Total Metals by SW 846 Series Methods

Lab Sample ID: 12H0579-BLK1 — **Client Sample ID: Method Blank**
Matrix: Solid/Soil — **Prep Type: Total**
Analysis Batch: 12H0579 — **Prep Batch: 12H0579_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0200		0.0200		mg/kg wet		08/13/12 15:00	08/14/12 12:37	1.00

Lab Sample ID: 12H0579-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Solid/Soil — **Prep Type: Total**
Analysis Batch: 12H0579 — **Prep Batch: 12H0579_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.333	0.327		mg/kg wet		98	80 - 120

Lab Sample ID: 12H0579-MS1 — **Client Sample ID: Matrix Spike**
Matrix: Solid/Soil — **Prep Type: Total**
Analysis Batch: 12H0579 — **Prep Batch: 12H0579_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.411		113	111		mg/kg dry	☼	98	70 - 130

Lab Sample ID: 12H0579-MSD1 — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid/Soil — **Prep Type: Total**
Analysis Batch: 12H0579 — **Prep Batch: 12H0579_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	trix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.411		119	115		mg/kg dry	☼	96	70 - 130	4	20

Method: SW 6010C - Total Metals by SW 846 Series Methods

Lab Sample ID: 12H0580-BLK1 — **Client Sample ID: Method Blank**
Matrix: Solid/Soil — **Prep Type: Total**
Analysis Batch: 12H0580 — **Prep Batch: 12H0580_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<4.00		4.00		mg/kg wet		08/14/12 09:33	08/14/12 19:23	1.00
Barium	<0.500		0.500		mg/kg wet		08/14/12 09:33	08/14/12 19:23	1.00
Cadmium	<1.00		1.00		mg/kg wet		08/14/12 09:33	08/14/12 19:23	1.00
Chromium	<1.00		1.00		mg/kg wet		08/14/12 09:33	08/14/12 19:23	1.00
Lead	<5.00		5.00		mg/kg wet		08/14/12 09:33	08/14/12 19:23	1.00
Selenium	<7.50		7.50		mg/kg wet		08/14/12 09:33	08/14/12 19:23	1.00
Silver	<1.00		1.00		mg/kg wet		08/14/12 09:33	08/14/12 19:23	1.00

Lab Sample ID: 12H0580-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Solid/Soil — **Prep Type: Total**
Analysis Batch: 12H0580 — **Prep Batch: 12H0580_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	98.8	91.5		mg/kg wet		93	80 - 115
Barium	49.4	48.3		mg/kg wet		98	80 - 110
Cadmium	49.4	48.0		mg/kg wet		97	80 - 115
Chromium	49.4	48.2		mg/kg wet		98	85 - 110
Lead	98.8	91.0		mg/kg wet		92	80 - 115
Selenium	198	190		mg/kg wet		96	85 - 110
Silver	49.4	47.3		mg/kg wet		96	80 - 120

Method: SW 6010C - Total Metals by SW 846 Series Methods (Continued)

Lab Sample ID: 12H0580-MS1 — **Client Sample ID: Matrix Spike**
Matrix: Solid/Soil — **Prep Type: Total**
Analysis Batch: 12H0580 — **Prep Batch: 12H0580_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	<74.1		205	211		mg/kg dry	☼	103	75 - 125
Barium	17.4		102	133		mg/kg dry	☼	113	75 - 125
Cadmium	<2.88		102	85.8		mg/kg dry	☼	84	75 - 125
Chromium	45.7		102	158		mg/kg dry	☼	110	75 - 120
Lead	63.6		205	267		mg/kg dry	☼	99	75 - 125
Selenium	<121		409	<154	IE M1	mg/kg dry	☼		75 - 115
Silver	60.2		102	141		mg/kg dry	☼	79	75 - 110

Lab Sample ID: 12H0580-MS2 — **Client Sample ID: Matrix Spike**
Matrix: Solid/Soil — **Prep Type: Total**
Analysis Batch: 12H0580 — **Prep Batch: 12H0580_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	<5.41		101	98.5		mg/kg dry	☼	97	75 - 125
Barium	77.9		50.6	143	M1	mg/kg dry	☼	128	75 - 125
Cadmium	<0.210		50.6	50.1		mg/kg dry	☼	99	75 - 125
Chromium	14.5		50.6	69.9		mg/kg dry	☼	109	75 - 120
Lead	26.4		101	121		mg/kg dry	☼	94	75 - 125
Selenium	<8.86		203	163		mg/kg dry	☼	81	75 - 115
Silver	1.64		50.6	50.8		mg/kg dry	☼	97	75 - 110

Lab Sample ID: 12H0580-DUP1 — **Client Sample ID: Duplicate**
Matrix: Solid/Soil — **Prep Type: Total**
Analysis Batch: 12H0580 — **Prep Batch: 12H0580_P**

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
Arsenic	<5.78		<6.10	IE	mg/kg dry	☼		15
Barium	121		106		mg/kg dry	☼	13	20
Cadmium	<0.225		<1.53	IE	mg/kg dry	☼		20
Chromium	21.5		18.8		mg/kg dry	☼	14	20
Lead	33.9		28.8		mg/kg dry	☼	16	20
Selenium	<9.47		<11.4	IE	mg/kg dry	☼		20
Silver	2.06		1.89		mg/kg dry	☼	9	20

Method: SM 2540 G - General Chemistry Parameters

Lab Sample ID: 12H0553-DUP1 — **Client Sample ID: SB10 (0-4')**
Matrix: Solid/Soil — **Prep Type: Total**
Analysis Batch: 12H0553 — **Prep Batch: 12H0553_P**

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
% Solids	80.4		81.3		%		1	10

Lab Sample ID: 12H0553-DUP2 — **Client Sample ID: Duplicate 1**
Matrix: Solid/Soil — **Prep Type: Total**
Analysis Batch: 12H0553 — **Prep Batch: 12H0553_P**

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
% Solids	80.4		82.0		%		2	10

GCMS Volatiles

Analysis Batch: 12H0586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12H0586-BLK1	Method Blank	Total	Solid/Soil	SW 8260B	12H0586_P
12H0586-BS1	Lab Control Sample	Total	Solid/Soil	SW 8260B	12H0586_P
12H0586-MS1	Matrix Spike	Total	Solid/Soil	SW 8260B	12H0586_P
12H0586-MSD1	Matrix Spike Duplicate	Total	Solid/Soil	SW 8260B	12H0586_P
CVH0822-01	SB10 (4-8')	Total	Soil	SW 8260B	12H0586_P
CVH0822-02	SB11 (4-8')	Total	Soil	SW 8260B	12H0586_P
CVH0822-03	SB16 (0-4')	Total	Soil	SW 8260B	12H0586_P
CVH0822-04	SB18 (0-4')	Total	Soil	SW 8260B	12H0586_P
CVH0822-05	SB21 (0-4')	Total	Soil	SW 8260B	12H0586_P
CVH0822-06	Duplicate 1	Total	Soil	SW 8260B	12H0586_P

Prep Batch: 12H0586_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12H0586-BLK1	Method Blank	Total	Solid/Soil	SW 5035	
12H0586-BS1	Lab Control Sample	Total	Solid/Soil	SW 5035	
12H0586-MS1	Matrix Spike	Total	Solid/Soil	SW 5035	
12H0586-MSD1	Matrix Spike Duplicate	Total	Solid/Soil	SW 5035	
CVH0822-01	SB10 (4-8')	Total	Soil	SW 5035	
CVH0822-02	SB11 (4-8')	Total	Soil	SW 5035	
CVH0822-03	SB16 (0-4')	Total	Soil	SW 5035	
CVH0822-04	SB18 (0-4')	Total	Soil	SW 5035	
CVH0822-05	SB21 (0-4')	Total	Soil	SW 5035	
CVH0822-06	Duplicate 1	Total	Soil	SW 5035	

Mercury

Analysis Batch: 12H0579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12H0579-BLK1	Method Blank	Total	Solid/Soil	SW 7471B	12H0579_P
12H0579-BS1	Lab Control Sample	Total	Solid/Soil	SW 7471B	12H0579_P
12H0579-MS1	Matrix Spike	Total	Solid/Soil	SW 7471B	12H0579_P
12H0579-MSD1	Matrix Spike Duplicate	Total	Solid/Soil	SW 7471B	12H0579_P
CVH0822-03	SB16 (0-4')	Total	Soil	SW 7471B	12H0579_P
CVH0822-05	SB21 (0-4')	Total	Soil	SW 7471B	12H0579_P
CVH0822-07	SB10 (0-4')	Total	Soil	SW 7471B	12H0579_P
CVH0822-08	Duplicate 2	Total	Soil	SW 7471B	12H0579_P

Prep Batch: 12H0579_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12H0579-BLK1	Method Blank	Total	Solid/Soil	EPA 245.5/SW 7471A Prep	
12H0579-BS1	Lab Control Sample	Total	Solid/Soil	EPA 245.5/SW 7471A Prep	
12H0579-MS1	Matrix Spike	Total	Solid/Soil	EPA 245.5/SW 7471A Prep	
12H0579-MSD1	Matrix Spike Duplicate	Total	Solid/Soil	EPA 245.5/SW 7471A Prep	
CVH0822-03	SB16 (0-4')	Total	Soil	EPA 245.5/SW 7471A Prep	
CVH0822-05	SB21 (0-4')	Total	Soil	EPA 245.5/SW 7471A Prep	
CVH0822-07	SB10 (0-4')	Total	Soil	EPA 245.5/SW 7471A Prep	

Mercury (Continued)

Prep Batch: 12H0579_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
CVH0822-08	Duplicate 2	Total	Soil	EPA 245.5/SW 7471A Prep	

Metals-ICP

Analysis Batch: 12H0580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12H0580-BLK1	Method Blank	Total	Solid/Soil	SW 6010C	12H0580_P
12H0580-BS1	Lab Control Sample	Total	Solid/Soil	SW 6010C	12H0580_P
12H0580-DUP1	Duplicate	Total	Solid/Soil	SW 6010C	12H0580_P
12H0580-MS1	Matrix Spike	Total	Solid/Soil	SW 6010C	12H0580_P
12H0580-MS2	Matrix Spike	Total	Solid/Soil	SW 6010C	12H0580_P
CVH0822-03	SB16 (0-4')	Total	Soil	SW 6010C	12H0580_P
CVH0822-05	SB21 (0-4')	Total	Soil	SW 6010C	12H0580_P
CVH0822-07	SB10 (0-4')	Total	Soil	SW 6010C	12H0580_P
CVH0822-08	Duplicate 2	Total	Soil	SW 6010C	12H0580_P

Prep Batch: 12H0580_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12H0580-BLK1	Method Blank	Total	Solid/Soil	SW 3050B	
12H0580-BS1	Lab Control Sample	Total	Solid/Soil	SW 3050B	
12H0580-DUP1	Duplicate	Total	Solid/Soil	SW 3050B	
12H0580-MS1	Matrix Spike	Total	Solid/Soil	SW 3050B	
12H0580-MS2	Matrix Spike	Total	Solid/Soil	SW 3050B	
CVH0822-03	SB16 (0-4')	Total	Soil	SW 3050B	
CVH0822-05	SB21 (0-4')	Total	Soil	SW 3050B	
CVH0822-07	SB10 (0-4')	Total	Soil	SW 3050B	
CVH0822-08	Duplicate 2	Total	Soil	SW 3050B	

WetChem

Analysis Batch: 12H0553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12H0553-DUP1	SB10 (0-4')	Total	Solid/Soil	SM 2540 G	12H0553_P
12H0553-DUP2	Duplicate 1	Total	Solid/Soil	SM 2540 G	12H0553_P
CVH0822-01	SB10 (4-8')	Total	Soil	SM 2540 G	12H0553_P
CVH0822-02	SB11 (4-8')	Total	Soil	SM 2540 G	12H0553_P
CVH0822-03	SB16 (0-4')	Total	Soil	SM 2540 G	12H0553_P
CVH0822-04	SB18 (0-4')	Total	Soil	SM 2540 G	12H0553_P
CVH0822-05	SB21 (0-4')	Total	Soil	SM 2540 G	12H0553_P
CVH0822-06	Duplicate 1	Total	Soil	SM 2540 G	12H0553_P
CVH0822-07	SB10 (0-4')	Total	Soil	SM 2540 G	12H0553_P
CVH0822-08	Duplicate 2	Total	Soil	SM 2540 G	12H0553_P

Prep Batch: 12H0553_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12H0553-DUP1	SB10 (0-4')	Total	Solid/Soil	Solids - Solid/Soil	
12H0553-DUP2	Duplicate 1	Total	Solid/Soil	Solids - Solid/Soil	
CVH0822-01	SB10 (4-8')	Total	Soil	Solids - Solid/Soil	

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

WetChem (Continued)

Prep Batch: 12H0553_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
CVH0822-02	SB11 (4-8')	Total	Soil	Solids - Solid/Soil	
CVH0822-03	SB16 (0-4')	Total	Soil	Solids - Solid/Soil	
CVH0822-04	SB18 (0-4')	Total	Soil	Solids - Solid/Soil	
CVH0822-05	SB21 (0-4')	Total	Soil	Solids - Solid/Soil	
CVH0822-06	Duplicate 1	Total	Soil	Solids - Solid/Soil	
CVH0822-07	SB10 (0-4')	Total	Soil	Solids - Solid/Soil	
CVH0822-08	Duplicate 2	Total	Soil	Solids - Solid/Soil	

Lab Chronicle

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Client Sample ID: SB10 (4-8')

Lab Sample ID: CVH0822-01

Date Collected: 08/09/12 12:30
Matrix: Soil
Date Received: 08/11/12 09:20
Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	SW 5035		1.60	3.121 g	5 mL	12H0586_P	08/13/12 00:00	ZTB	TAL CF
Total	Analysis	SW 8260B		1.00			12H0586	08/13/12 16:24	ZTB	TAL CF
Total	Analysis	SM 2540 G		1.00			12H0553	08/13/12 15:08	SAS	TAL CF
Total	Prep	Solids - Solid/Soil		1.00	1 g	1 g	12H0553_P	08/13/12 15:08	SAS	TAL CF

Client Sample ID: SB11 (4-8')

Lab Sample ID: CVH0822-02

Date Collected: 08/09/12 12:45
Matrix: Soil
Date Received: 08/11/12 09:20
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	SW 5035		1.49	3.345 g	5 mL	12H0586_P	08/13/12 00:00	ZTB	TAL CF
Total	Analysis	SW 8260B		1.00			12H0586	08/13/12 16:48	ZTB	TAL CF
Total	Analysis	SM 2540 G		1.00			12H0553	08/13/12 15:08	SAS	TAL CF
Total	Prep	Solids - Solid/Soil		1.00	1 g	1 g	12H0553_P	08/13/12 15:08	SAS	TAL CF

Client Sample ID: SB16 (0-4')

Lab Sample ID: CVH0822-03

Date Collected: 08/09/12 14:05
Matrix: Soil
Date Received: 08/11/12 09:20
Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	SW 5035		1.45	3.447 g	5 mL	12H0586_P	08/13/12 00:00	ZTB	TAL CF
Total	Analysis	SW 8260B		1.00			12H0586	08/13/12 17:11	ZTB	TAL CF
Total	Prep	EPA 245.5/SW 7471A Prep		0.977	0.614 g	30 mL	12H0579_P	08/13/12 15:00	LBB	TAL CF
Total	Analysis	SW 7471B		1.00			12H0579	08/14/12 13:01	CJT	TAL CF
Total	Prep	SW 3050B		0.895	1.117 g	50 mL	12H0580_P	08/14/12 09:33	CJT	TAL CF
Total	Analysis	SW 6010C		3.00			12H0580	08/14/12 20:27	CJT	TAL CF
Total	Analysis	SM 2540 G		1.00			12H0553	08/13/12 15:08	SAS	TAL CF
Total	Prep	Solids - Solid/Soil		1.00	1 g	1 g	12H0553_P	08/13/12 15:08	SAS	TAL CF

Client Sample ID: SB18 (0-4')

Lab Sample ID: CVH0822-04

Date Collected: 08/09/12 14:35
Matrix: Soil
Date Received: 08/11/12 09:20
Percent Solids: 80.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	SW 5035		2.37	2.111 g	5 mL	12H0586_P	08/13/12 00:00	ZTB	TAL CF
Total	Analysis	SW 8260B		1.00			12H0586	08/13/12 17:35	ZTB	TAL CF
Total	Analysis	SM 2540 G		1.00			12H0553	08/13/12 15:08	SAS	TAL CF
Total	Prep	Solids - Solid/Soil		1.00	1 g	1 g	12H0553_P	08/13/12 15:08	SAS	TAL CF

Lab Chronicle

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Client Sample ID: SB21 (0-4')

Lab Sample ID: CVH0822-05

Date Collected: 08/10/12 08:45
Matrix: Soil
Date Received: 08/11/12 09:20
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	SW 5035		1.60	3.122 g	5 mL	12H0586_P	08/13/12 00:00	ZTB	TAL CF
Total	Analysis	SW 8260B		1.00			12H0586	08/13/12 17:58	ZTB	TAL CF
Total	Prep	EPA 245.5/SW 7471A Prep		0.980	0.612 g	30 mL	12H0579_P	08/13/12 15:00	LBB	TAL CF
Total	Analysis	SW 7471B		1.00			12H0579	08/14/12 13:02	CJT	TAL CF
Total	Prep	SW 3050B		0.962	1.039 g	50 mL	12H0580_P	08/14/12 09:33	CJT	TAL CF
Total	Analysis	SW 6010C		1.00			12H0580	08/14/12 20:07	CJT	TAL CF
Total	Analysis	SM 2540 G		1.00			12H0553	08/13/12 15:08	SAS	TAL CF
Total	Prep	Solids - Solid/Soil		1.00	1 g	1 g	12H0553_P	08/13/12 15:08	SAS	TAL CF

Client Sample ID: Duplicate 1

Lab Sample ID: CVH0822-06

Date Collected: 08/09/12 00:00
Matrix: Soil
Date Received: 08/11/12 09:20
Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	SW 5035		1.60	3.134 g	5 mL	12H0586_P	08/13/12 00:00	ZTB	TAL CF
Total	Analysis	SW 8260B		1.00			12H0586	08/13/12 18:21	ZTB	TAL CF
Total	Analysis	SM 2540 G		1.00			12H0553	08/13/12 15:08	SAS	TAL CF
Total	Prep	Solids - Solid/Soil		1.00	1 g	1 g	12H0553_P	08/13/12 15:08	SAS	TAL CF

Client Sample ID: SB10 (0-4')

Lab Sample ID: CVH0822-07

Date Collected: 08/09/12 12:25
Matrix: Soil
Date Received: 08/11/12 09:20
Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 245.5/SW 7471A Prep		0.995	0.603 g	30 mL	12H0579_P	08/13/12 15:00	LBB	TAL CF
Total	Analysis	SW 7471B		1.00			12H0579	08/14/12 13:04	CJT	TAL CF
Total	Prep	SW 3050B		0.971	1.03 g	50 mL	12H0580_P	08/14/12 09:33	CJT	TAL CF
Total	Analysis	SW 6010C		1.00			12H0580	08/14/12 20:09	CJT	TAL CF
Total	Analysis	SM 2540 G		1.00			12H0553	08/13/12 15:08	SAS	TAL CF
Total	Prep	Solids - Solid/Soil		1.00	1 g	1 g	12H0553_P	08/13/12 15:08	SAS	TAL CF

Client Sample ID: Duplicate 2

Lab Sample ID: CVH0822-08

Date Collected: 08/09/12 00:00
Matrix: Soil
Date Received: 08/11/12 09:20
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 245.5/SW 7471A Prep		0.979	0.613 g	30 mL	12H0579_P	08/13/12 15:00	LBB	TAL CF
Total	Analysis	SW 7471B		1.00			12H0579	08/14/12 13:06	CJT	TAL CF
Total	Prep	SW 3050B		0.981	1.019 g	50 mL	12H0580_P	08/14/12 09:33	CJT	TAL CF
Total	Analysis	SW 6010C		1.00			12H0580	08/14/12 20:10	CJT	TAL CF
Total	Analysis	SM 2540 G		1.00			12H0553	08/13/12 15:08	SAS	TAL CF
Total	Prep	Solids - Solid/Soil		1.00	1 g	1 g	12H0553_P	08/13/12 15:08	SAS	TAL CF

Lab Chronicle

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Laboratory References:

TAL CF = TestAmerica Cedar Falls, 704 Enterprise Drive, Cedar Falls, IA 50613, TEL 800-750-2401

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
ICV2	ICV recovery was outside control limits.
CIN	The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria specified in EPA methods 8260B/8270C.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was outside control limits.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the control limits. Analyte not detected, data not impacted.
M1	The MS and/or MSD were outside control limits.
S2	Compound is a common lab solvent and contaminant.

Metals-ICP

Qualifier	Qualifier Description
IE	Elevated reporting limit due to interelement interference.
M1	The MS and/or MSD were outside control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Laboratory: TestAmerica Cedar Falls

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
AIHA - LAP	IHLAP		101044	11-01-12
Illinois	NELAC	5	200024	11-29-12
Iowa	State Program	7	7	12-01-13
Kansas	NELAC	7	E-10341	01-31-13
Minnesota	NELAC	5	019-999-319	12-31-12
North Dakota	State Program	8	R-186	09-30-12
Oregon	NELAC	10	IA100001	09-30-12
Wisconsin	State Program	5	999917270	08-31-12

Method Summary

Client: ALFRED BENESCH & COMPANY
Project/Site: [none]

TestAmerica Job ID: CVH0822

Method	Method Description	Protocol	Laboratory
SW 8260B	Volatile Organic Compounds		TAL CF
SW 7471B	Total Metals by SW 846 Series Methods		TAL CF
SW 6010C	Total Metals by SW 846 Series Methods		TAL CF
SM 2540 G	General Chemistry Parameters		TAL CF

Protocol References:

Laboratory References:

TAL CF = TestAmerica Cedar Falls, 704 Enterprise Drive, Cedar Falls, IA 50613, TEL 800-750-2401

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613

Phone: 319 - 277 - 2401 or 1 - 800 - 750 - 2401
Fax: 319 - 277 - 2425

9, 11, 16, 18
2b

Company: Alfred Benesch
Send Report To: Brian Fettin
Address: 14748 West Center Rd ste 200
City/State/Zip Code: Omaha, NE 68144
Telephone Number: 402-333-5792 Fax:
Sampled by: (Print Name) Brian Fettin
(Signature) Brian Fettin

Your PO #: 00120137
Invoice To: Frank Uhlarik
Project Name: MAPA Business Printing
Project Number:
Email Address: bfettin@benesch.com
cc: fuhlarik@ " "

Sample ID	Date Sampled	Time Sampled	# of containers shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red & White Label)	HCl (Blue & White Label)	NaOH (Orange & White Label)	H_2SO_4 Plastic (Yellow & White Label)	H_2SO_4 Glass(Yellow & White Label)	None (Black & White Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other Specify:Stormwater	Analyze For: 8260	6010C / 7471B	RUSH TAT (Must call ahead)	Standard TAT	E-mail results	Fax Results	Send QC with report
SB10 (4-8')	8-9-12	1230	1	X			X						X						X		X	X	X		X		
SB11 (4-8')	"	1245																			X	X					
SB16 (0-4')	"	1405																			X	X					
SB18 (0-4')	"	1435																			X						
SB21 (0-4')	8-10-12	845																			X	X					
DUPLICATE 1			↓																		X						
~~SB7 (0-4')~~	~~8-9-12~~	~~1050~~	1																			X					
SB10 (0-4')	8-9-12		1																			X					
DUPLICATE 2			1				↓						↓	↓					↓			X					

NOTE: All turn around times are calculated from the time of receipt at TestAmerica.
NOTICE: **Pre-Arrangements must be made *AT LEAST 48 Hours in ADVANCE* to receive results with RUSH turn around time commitments; *additional charges* may be assessed.**
NOTE: There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES:

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Brian Fettin	8-10-12	1600						
Shipped Via:			Comments:			Shipped Via:		
Received for TestAmerica by:	Date	Time	Temperature Upon Receipt:			Laboratory Comments:		
~~Wilson Jacobsen~~	8/11/12	9:01				Per Brian date sampled for Dup 1 + Dup 2 was 8/9/12 Sat 8/13/12		

Page 37 of 38

8/15/2012

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

704 ENTERPRISE DRIVE • CEDAR FALLS, IA 50613
800-750-2401 • 319-277-2425 FAX

Sample Receipt and Temperature Log Form

Client: Alfred Benesch Project: MAPA Business Printing

City: _____

Date: 8-11-12 Receiver's Initials: CH Time (Delivered): 9:20

Temperature Record:

Cooler ID# (If Applicable)

_____

1.6 °C / On Ice

☒ Temp Blank

☐ Temperature out of compliance

Thermometer:

☒ IR - 111531565 'D'

☐ IR - 111531506 'E'

☐ IR - 61854108 'Front'

☐ 101681126

Courier:

☐ UPS	☐ TA Courier
☒ FedEx	☐ TA Field Services
☐ FedEx Ground	☐ Client
☐ US Postal Service	☐ Other
☐ Spee-Dee	_____

Custody seals present?
☐ Yes

Custody seals intact?
☐ Yes ☐ No

☐ Non-Conformance report started

Exceptions Noted

☐ Sample(s) not received in a cooler.

☐ Samples(s) received same day of *sampling*.

☐ Evidence of a chilling process

☐ No Temp. Blank. Inside temperature of cooler recorded.

☐ Temperature not taken:

_____

***Refer to SOP CF-SS-01 for Temperature Criteria**

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8/20/2012

Mr. Brian Fettin

Alfred Benesch & Company

14748 West Center Road, Suite 200

Omaha NE 68144-2029

Project Name: 4012 S. 24th

Project #: 00120137.00

Workorder #: 1208322

Dear Mr. Brian Fettin

The following report includes the data for the above referenced project for sample(s) received on 8/15/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 (5&20 ppbv) 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 Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kelly Buettner

Project Manager

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WORK ORDER #: 1208322

Work Order Summary

CLIENT:	Mr. Brian Fettin Alfred Benesch & Company 14748 West Center Road, Suite 200 Omaha, NE 68144-2029	**BILL TO:**	Accounts Payable Alfred Benesch & Company 825 J Street Lincoln, NE 68508
PHONE:	402-333-5792	**P.O. #**	
FAX:		**PROJECT #**	00120137.00 4012 S. 24th
DATE RECEIVED:	08/15/2012	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	08/20/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SP-11	Modified TO-15 (5&20 ppbv	7.0 "Hg	5 psi
02A	SP-16	Modified TO-15 (5&20 ppbv	5.6 "Hg	5 psi
03A	SP-22	Modified TO-15 (5&20 ppbv	4.6 "Hg	5 psi
04A	FIELD DUPLICATE	Modified TO-15 (5&20 ppbv	11.8 "Hg	5 psi
05A	Lab Blank	Modified TO-15 (5&20 ppbv	NA	NA
06A	CCV	Modified TO-15 (5&20 ppbv	NA	NA
07A	LCS	Modified TO-15 (5&20 ppbv	NA	NA
07AA	LCSD	Modified TO-15 (5&20 ppbv	NA	NA

CERTIFIED BY: Heidi Mayo DATE: 08/20/12

Technical Director

Certfication numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NY NELAP - 11291,
TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2011, Expiration date: 10/17/2012.
Eurofins Air Toxics Ltd. 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 Soil Gas
Alfred Benesch & Company
Workorder# 1208322

Four 1 Liter Summa Canister samples were received on August 15, 2012. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 50 mLs of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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.

The Relative Percent Difference (RPD) of the LCS/LCSD exceeded acceptance limits for 1,2,4-Trichlorobenzene.

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.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

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

Client Sample ID: SP-11

Lab ID#: 1208322-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	35	81	83	190
Carbon Disulfide	8.8	36	27	110
Hexane	8.8	10	31	36
2,2,4-Trimethylpentane	8.8	10	41	48
Benzene	8.8	22	28	72
Trichloroethene	8.8	9.0	47	48
Toluene	8.8	18	33	67
Tetrachloroethene	8.8	560	59	3800
m,p-Xylene	8.8	10	38	46

Client Sample ID: SP-16

Lab ID#: 1208322-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	33	43	78	100
Carbon Disulfide	8.2	15	26	48
Trichloroethene	8.2	16	44	83
Tetrachloroethene	8.2	2300	56	15000

Client Sample ID: SP-22

Lab ID#: 1208322-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	32	70	75	170
2-Butanone (Methyl Ethyl Ketone)	32	36	93	110

Client Sample ID: FIELD DUPLICATE

Lab ID#: 1208322-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Carbon Disulfide	11	32	34	99
Benzene	11	14	35	43

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

Client Sample ID: FIELD DUPLICATE

Lab ID#: 1208322-04A

Toluene	11	12	42	47
Tetrachloroethene	11	510	75	3400

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Client Sample ID: SP-11

Lab ID#: 1208322-01A

EPA METHOD TO-15 GC/MS

File Name:	**14081614**	**Date of Collection:**	**8/14/12 1:42:00 PM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**8/16/12 01:29 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	8.8	Not Detected	43	Not Detected
Freon 114	8.8	Not Detected	61	Not Detected
Chloromethane	35	Not Detected	72	Not Detected
Vinyl Chloride	8.8	Not Detected	22	Not Detected
1,3-Butadiene	8.8	Not Detected	19	Not Detected
Bromomethane	8.8	Not Detected	34	Not Detected
Chloroethane	35	Not Detected	92	Not Detected
Freon 11	8.8	Not Detected	49	Not Detected
Ethanol	35	Not Detected	66	Not Detected
Freon 113	8.8	Not Detected	67	Not Detected
1,1-Dichloroethene	8.8	Not Detected	35	Not Detected
Acetone	35	81	83	190
2-Propanol	35	Not Detected	86	Not Detected
Carbon Disulfide	8.8	36	27	110
3-Chloropropene	35	Not Detected	110	Not Detected
Methylene Chloride	8.8	Not Detected	30	Not Detected
Methyl tert-butyl ether	8.8	Not Detected	32	Not Detected
trans-1,2-Dichloroethene	8.8	Not Detected	35	Not Detected
Hexane	8.8	10	31	36
1,1-Dichloroethane	8.8	Not Detected	35	Not Detected
2-Butanone (Methyl Ethyl Ketone)	35	Not Detected	100	Not Detected
cis-1,2-Dichloroethene	8.8	Not Detected	35	Not Detected
Tetrahydrofuran	8.8	Not Detected	26	Not Detected
Chloroform	8.8	Not Detected	43	Not Detected
1,1,1-Trichloroethane	8.8	Not Detected	48	Not Detected
Cyclohexane	8.8	Not Detected	30	Not Detected
Carbon Tetrachloride	8.8	Not Detected	55	Not Detected
2,2,4-Trimethylpentane	8.8	10	41	48
Benzene	8.8	22	28	72
1,2-Dichloroethane	8.8	Not Detected	35	Not Detected
Heptane	8.8	Not Detected	36	Not Detected
Trichloroethene	8.8	9.0	47	48
1,2-Dichloropropane	8.8	Not Detected	40	Not Detected
1,4-Dioxane	35	Not Detected	130	Not Detected
Bromodichloromethane	8.8	Not Detected	59	Not Detected
cis-1,3-Dichloropropene	8.8	Not Detected	40	Not Detected
4-Methyl-2-pentanone	8.8	Not Detected	36	Not Detected
Toluene	8.8	18	33	67
trans-1,3-Dichloropropene	8.8	Not Detected	40	Not Detected
1,1,2-Trichloroethane	8.8	Not Detected	48	Not Detected
Tetrachloroethene	8.8	560	59	3800
2-Hexanone	35	Not Detected	140	Not Detected

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Client Sample ID: SP-11

Lab ID#: 1208322-01A

EPA METHOD TO-15 GC/MS

File Name:	**14081614**	**Date of Collection:**	**8/14/12 1:42:00 PM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**8/16/12 01:29 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	8.8	Not Detected	74	Not Detected
1,2-Dibromoethane (EDB)	8.8	Not Detected	67	Not Detected
Chlorobenzene	8.8	Not Detected	40	Not Detected
Ethyl Benzene	8.8	Not Detected	38	Not Detected
m,p-Xylene	8.8	10	38	46
o-Xylene	8.8	Not Detected	38	Not Detected
Styrene	8.8	Not Detected	37	Not Detected
Bromoform	8.8	Not Detected	90	Not Detected
Cumene	8.8	Not Detected	43	Not Detected
1,1,2,2-Tetrachloroethane	8.8	Not Detected	60	Not Detected
Propylbenzene	8.8	Not Detected	43	Not Detected
4-Ethyltoluene	8.8	Not Detected	43	Not Detected
1,3,5-Trimethylbenzene	8.8	Not Detected	43	Not Detected
1,2,4-Trimethylbenzene	8.8	Not Detected	43	Not Detected
1,3-Dichlorobenzene	8.8	Not Detected	53	Not Detected
1,4-Dichlorobenzene	8.8	Not Detected	53	Not Detected
alpha-Chlorotoluene	8.8	Not Detected	45	Not Detected
1,2-Dichlorobenzene	8.8	Not Detected	53	Not Detected
1,2,4-Trichlorobenzene	35	Not Detected	260	Not Detected
Hexachlorobutadiene	35	Not Detected	370	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: SP-16

Lab ID#: 1208322-02A

EPA METHOD TO-15 GC/MS

File Name:	**14081615**	**Date of Collection:**	**8/14/12 1:50:00 PM**
Dil. Factor:	**1.65**	**Date of Analysis:**	**8/16/12 01:51 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	8.2	Not Detected	41	Not Detected
Freon 114	8.2	Not Detected	58	Not Detected
Chloromethane	33	Not Detected	68	Not Detected
Vinyl Chloride	8.2	Not Detected	21	Not Detected
1,3-Butadiene	8.2	Not Detected	18	Not Detected
Bromomethane	8.2	Not Detected	32	Not Detected
Chloroethane	33	Not Detected	87	Not Detected
Freon 11	8.2	Not Detected	46	Not Detected
Ethanol	33	Not Detected	62	Not Detected
Freon 113	8.2	Not Detected	63	Not Detected
1,1-Dichloroethene	8.2	Not Detected	33	Not Detected
Acetone	33	43	78	100
2-Propanol	33	Not Detected	81	Not Detected
Carbon Disulfide	8.2	15	26	48
3-Chloropropene	33	Not Detected	100	Not Detected
Methylene Chloride	8.2	Not Detected	29	Not Detected
Methyl tert-butyl ether	8.2	Not Detected	30	Not Detected
trans-1,2-Dichloroethene	8.2	Not Detected	33	Not Detected
Hexane	8.2	Not Detected	29	Not Detected
1,1-Dichloroethane	8.2	Not Detected	33	Not Detected
2-Butanone (Methyl Ethyl Ketone)	33	Not Detected	97	Not Detected
cis-1,2-Dichloroethene	8.2	Not Detected	33	Not Detected
Tetrahydrofuran	8.2	Not Detected	24	Not Detected
Chloroform	8.2	Not Detected	40	Not Detected
1,1,1-Trichloroethane	8.2	Not Detected	45	Not Detected
Cyclohexane	8.2	Not Detected	28	Not Detected
Carbon Tetrachloride	8.2	Not Detected	52	Not Detected
2,2,4-Trimethylpentane	8.2	Not Detected	38	Not Detected
Benzene	8.2	Not Detected	26	Not Detected
1,2-Dichloroethane	8.2	Not Detected	33	Not Detected
Heptane	8.2	Not Detected	34	Not Detected
Trichloroethene	8.2	16	44	83
1,2-Dichloropropane	8.2	Not Detected	38	Not Detected
1,4-Dioxane	33	Not Detected	120	Not Detected
Bromodichloromethane	8.2	Not Detected	55	Not Detected
cis-1,3-Dichloropropene	8.2	Not Detected	37	Not Detected
4-Methyl-2-pentanone	8.2	Not Detected	34	Not Detected
Toluene	8.2	Not Detected	31	Not Detected
trans-1,3-Dichloropropene	8.2	Not Detected	37	Not Detected
1,1,2-Trichloroethane	8.2	Not Detected	45	Not Detected
Tetrachloroethene	8.2	2300	56	15000
2-Hexanone	33	Not Detected	140	Not Detected

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Client Sample ID: SP-16

Lab ID#: 1208322-02A

EPA METHOD TO-15 GC/MS

File Name:	**14081615**	**Date of Collection:**	**8/14/12 1:50:00 PM**
Dil. Factor:	**1.65**	**Date of Analysis:**	**8/16/12 01:51 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	8.2	Not Detected	70	Not Detected
1,2-Dibromoethane (EDB)	8.2	Not Detected	63	Not Detected
Chlorobenzene	8.2	Not Detected	38	Not Detected
Ethyl Benzene	8.2	Not Detected	36	Not Detected
m,p-Xylene	8.2	Not Detected	36	Not Detected
o-Xylene	8.2	Not Detected	36	Not Detected
Styrene	8.2	Not Detected	35	Not Detected
Bromoform	8.2	Not Detected	85	Not Detected
Cumene	8.2	Not Detected	40	Not Detected
1,1,2,2-Tetrachloroethane	8.2	Not Detected	57	Not Detected
Propylbenzene	8.2	Not Detected	40	Not Detected
4-Ethyltoluene	8.2	Not Detected	40	Not Detected
1,3,5-Trimethylbenzene	8.2	Not Detected	40	Not Detected
1,2,4-Trimethylbenzene	8.2	Not Detected	40	Not Detected
1,3-Dichlorobenzene	8.2	Not Detected	50	Not Detected
1,4-Dichlorobenzene	8.2	Not Detected	50	Not Detected
alpha-Chlorotoluene	8.2	Not Detected	43	Not Detected
1,2-Dichlorobenzene	8.2	Not Detected	50	Not Detected
1,2,4-Trichlorobenzene	33	Not Detected	240	Not Detected
Hexachlorobutadiene	33	Not Detected	350	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: SP-22

Lab ID#: 1208322-03A

EPA METHOD TO-15 GC/MS

File Name:	**14081616**	**Date of Collection:**	**8/14/12 2:07:00 PM**
Dil. Factor:	**1.58**	**Date of Analysis:**	**8/16/12 02:24 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	7.9	Not Detected	39	Not Detected
Freon 114	7.9	Not Detected	55	Not Detected
Chloromethane	32	Not Detected	65	Not Detected
Vinyl Chloride	7.9	Not Detected	20	Not Detected
1,3-Butadiene	7.9	Not Detected	17	Not Detected
Bromomethane	7.9	Not Detected	31	Not Detected
Chloroethane	32	Not Detected	83	Not Detected
Freon 11	7.9	Not Detected	44	Not Detected
Ethanol	32	Not Detected	60	Not Detected
Freon 113	7.9	Not Detected	60	Not Detected
1,1-Dichloroethene	7.9	Not Detected	31	Not Detected
Acetone	32	70	75	170
2-Propanol	32	Not Detected	78	Not Detected
Carbon Disulfide	7.9	Not Detected	25	Not Detected
3-Chloropropene	32	Not Detected	99	Not Detected
Methylene Chloride	7.9	Not Detected	27	Not Detected
Methyl tert-butyl ether	7.9	Not Detected	28	Not Detected
trans-1,2-Dichloroethene	7.9	Not Detected	31	Not Detected
Hexane	7.9	Not Detected	28	Not Detected
1,1-Dichloroethane	7.9	Not Detected	32	Not Detected
2-Butanone (Methyl Ethyl Ketone)	32	36	93	110
cis-1,2-Dichloroethene	7.9	Not Detected	31	Not Detected
Tetrahydrofuran	7.9	Not Detected	23	Not Detected
Chloroform	7.9	Not Detected	38	Not Detected
1,1,1-Trichloroethane	7.9	Not Detected	43	Not Detected
Cyclohexane	7.9	Not Detected	27	Not Detected
Carbon Tetrachloride	7.9	Not Detected	50	Not Detected
2,2,4-Trimethylpentane	7.9	Not Detected	37	Not Detected
Benzene	7.9	Not Detected	25	Not Detected
1,2-Dichloroethane	7.9	Not Detected	32	Not Detected
Heptane	7.9	Not Detected	32	Not Detected
Trichloroethene	7.9	Not Detected	42	Not Detected
1,2-Dichloropropane	7.9	Not Detected	36	Not Detected
1,4-Dioxane	32	Not Detected	110	Not Detected
Bromodichloromethane	7.9	Not Detected	53	Not Detected
cis-1,3-Dichloropropene	7.9	Not Detected	36	Not Detected
4-Methyl-2-pentanone	7.9	Not Detected	32	Not Detected
Toluene	7.9	Not Detected	30	Not Detected
trans-1,3-Dichloropropene	7.9	Not Detected	36	Not Detected
1,1,2-Trichloroethane	7.9	Not Detected	43	Not Detected
Tetrachloroethene	7.9	Not Detected	54	Not Detected
2-Hexanone	32	Not Detected	130	Not Detected

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Client Sample ID: SP-22

Lab ID#: 1208322-03A

EPA METHOD TO-15 GC/MS

File Name:	**14081616**	**Date of Collection:**	**8/14/12 2:07:00 PM**
Dil. Factor:	**1.58**	**Date of Analysis:**	**8/16/12 02:24 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	7.9	Not Detected	67	Not Detected
1,2-Dibromoethane (EDB)	7.9	Not Detected	61	Not Detected
Chlorobenzene	7.9	Not Detected	36	Not Detected
Ethyl Benzene	7.9	Not Detected	34	Not Detected
m,p-Xylene	7.9	Not Detected	34	Not Detected
o-Xylene	7.9	Not Detected	34	Not Detected
Styrene	7.9	Not Detected	34	Not Detected
Bromoform	7.9	Not Detected	82	Not Detected
Cumene	7.9	Not Detected	39	Not Detected
1,1,2,2-Tetrachloroethane	7.9	Not Detected	54	Not Detected
Propylbenzene	7.9	Not Detected	39	Not Detected
4-Ethyltoluene	7.9	Not Detected	39	Not Detected
1,3,5-Trimethylbenzene	7.9	Not Detected	39	Not Detected
1,2,4-Trimethylbenzene	7.9	Not Detected	39	Not Detected
1,3-Dichlorobenzene	7.9	Not Detected	48	Not Detected
1,4-Dichlorobenzene	7.9	Not Detected	48	Not Detected
alpha-Chlorotoluene	7.9	Not Detected	41	Not Detected
1,2-Dichlorobenzene	7.9	Not Detected	47	Not Detected
1,2,4-Trichlorobenzene	32	Not Detected	230	Not Detected
Hexachlorobutadiene	32	Not Detected	340	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: FIELD DUPLICATE

Lab ID#: 1208322-04A

EPA METHOD TO-15 GC/MS

File Name:	**14081617**	**Date of Collection:**	**8/14/12**
Dil. Factor:	**2.21**	**Date of Analysis:**	**8/16/12 02:48 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	11	Not Detected	55	Not Detected
Freon 114	11	Not Detected	77	Not Detected
Chloromethane	44	Not Detected	91	Not Detected
Vinyl Chloride	11	Not Detected	28	Not Detected
1,3-Butadiene	11	Not Detected	24	Not Detected
Bromomethane	11	Not Detected	43	Not Detected
Chloroethane	44	Not Detected	120	Not Detected
Freon 11	11	Not Detected	62	Not Detected
Ethanol	44	Not Detected	83	Not Detected
Freon 113	11	Not Detected	85	Not Detected
1,1-Dichloroethene	11	Not Detected	44	Not Detected
Acetone	44	Not Detected	100	Not Detected
2-Propanol	44	Not Detected	110	Not Detected
Carbon Disulfide	11	32	34	99
3-Chloropropene	44	Not Detected	140	Not Detected
Methylene Chloride	11	Not Detected	38	Not Detected
Methyl tert-butyl ether	11	Not Detected	40	Not Detected
trans-1,2-Dichloroethene	11	Not Detected	44	Not Detected
Hexane	11	Not Detected	39	Not Detected
1,1-Dichloroethane	11	Not Detected	45	Not Detected
2-Butanone (Methyl Ethyl Ketone)	44	Not Detected	130	Not Detected
cis-1,2-Dichloroethene	11	Not Detected	44	Not Detected
Tetrahydrofuran	11	Not Detected	32	Not Detected
Chloroform	11	Not Detected	54	Not Detected
1,1,1-Trichloroethane	11	Not Detected	60	Not Detected
Cyclohexane	11	Not Detected	38	Not Detected
Carbon Tetrachloride	11	Not Detected	70	Not Detected
2,2,4-Trimethylpentane	11	Not Detected	52	Not Detected
Benzene	11	14	35	43
1,2-Dichloroethane	11	Not Detected	45	Not Detected
Heptane	11	Not Detected	45	Not Detected
Trichloroethene	11	Not Detected	59	Not Detected
1,2-Dichloropropane	11	Not Detected	51	Not Detected
1,4-Dioxane	44	Not Detected	160	Not Detected
Bromodichloromethane	11	Not Detected	74	Not Detected
cis-1,3-Dichloropropene	11	Not Detected	50	Not Detected
4-Methyl-2-pentanone	11	Not Detected	45	Not Detected
Toluene	11	12	42	47
trans-1,3-Dichloropropene	11	Not Detected	50	Not Detected
1,1,2-Trichloroethane	11	Not Detected	60	Not Detected
Tetrachloroethene	11	510	75	3400
2-Hexanone	44	Not Detected	180	Not Detected

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Client Sample ID: FIELD DUPLICATE

Lab ID#: 1208322-04A

EPA METHOD TO-15 GC/MS

File Name:	**14081617**	**Date of Collection: 8/14/12**	
Dil. Factor:	**2.21**	**Date of Analysis: 8/16/12 02:48 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	11	Not Detected	94	Not Detected
1,2-Dibromoethane (EDB)	11	Not Detected	85	Not Detected
Chlorobenzene	11	Not Detected	51	Not Detected
Ethyl Benzene	11	Not Detected	48	Not Detected
m,p-Xylene	11	Not Detected	48	Not Detected
o-Xylene	11	Not Detected	48	Not Detected
Styrene	11	Not Detected	47	Not Detected
Bromoform	11	Not Detected	110	Not Detected
Cumene	11	Not Detected	54	Not Detected
1,1,2,2-Tetrachloroethane	11	Not Detected	76	Not Detected
Propylbenzene	11	Not Detected	54	Not Detected
4-Ethyltoluene	11	Not Detected	54	Not Detected
1,3,5-Trimethylbenzene	11	Not Detected	54	Not Detected
1,2,4-Trimethylbenzene	11	Not Detected	54	Not Detected
1,3-Dichlorobenzene	11	Not Detected	66	Not Detected
1,4-Dichlorobenzene	11	Not Detected	66	Not Detected
alpha-Chlorotoluene	11	Not Detected	57	Not Detected
1,2-Dichlorobenzene	11	Not Detected	66	Not Detected
1,2,4-Trichlorobenzene	44	Not Detected	330	Not Detected
Hexachlorobutadiene	44	Not Detected	470	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1208322-05A

EPA METHOD TO-15 GC/MS

File Name:	**14081605**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/16/12 09:14 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	5.0	Not Detected	25	Not Detected
Freon 114	5.0	Not Detected	35	Not Detected
Chloromethane	20	Not Detected	41	Not Detected
Vinyl Chloride	5.0	Not Detected	13	Not Detected
1,3-Butadiene	5.0	Not Detected	11	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	20	Not Detected	53	Not Detected
Freon 11	5.0	Not Detected	28	Not Detected
Ethanol	20	Not Detected	38	Not Detected
Freon 113	5.0	Not Detected	38	Not Detected
1,1-Dichloroethene	5.0	Not Detected	20	Not Detected
Acetone	20	Not Detected	48	Not Detected
2-Propanol	20	Not Detected	49	Not Detected
Carbon Disulfide	5.0	Not Detected	16	Not Detected
3-Chloropropene	20	Not Detected	63	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	5.0	Not Detected	18	Not Detected
trans-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Hexane	5.0	Not Detected	18	Not Detected
1,1-Dichloroethane	5.0	Not Detected	20	Not Detected
2-Butanone (Methyl Ethyl Ketone)	20	Not Detected	59	Not Detected
cis-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Tetrahydrofuran	5.0	Not Detected	15	Not Detected
Chloroform	5.0	Not Detected	24	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	27	Not Detected
Cyclohexane	5.0	Not Detected	17	Not Detected
Carbon Tetrachloride	5.0	Not Detected	31	Not Detected
2,2,4-Trimethylpentane	5.0	Not Detected	23	Not Detected
Benzene	5.0	Not Detected	16	Not Detected
1,2-Dichloroethane	5.0	Not Detected	20	Not Detected
Heptane	5.0	Not Detected	20	Not Detected
Trichloroethene	5.0	Not Detected	27	Not Detected
1,2-Dichloropropane	5.0	Not Detected	23	Not Detected
1,4-Dioxane	20	Not Detected	72	Not Detected
Bromodichloromethane	5.0	Not Detected	34	Not Detected
cis-1,3-Dichloropropene	5.0	Not Detected	23	Not Detected
4-Methyl-2-pentanone	5.0	Not Detected	20	Not Detected
Toluene	5.0	Not Detected	19	Not Detected
trans-1,3-Dichloropropene	5.0	Not Detected	23	Not Detected
1,1,2-Trichloroethane	5.0	Not Detected	27	Not Detected
Tetrachloroethene	5.0	Not Detected	34	Not Detected
2-Hexanone	20	Not Detected	82	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 1208322-05A

EPA METHOD TO-15 GC/MS

File Name:	**14081605**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/16/12 09:14 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	5.0	Not Detected	42	Not Detected
1,2-Dibromoethane (EDB)	5.0	Not Detected	38	Not Detected
Chlorobenzene	5.0	Not Detected	23	Not Detected
Ethyl Benzene	5.0	Not Detected	22	Not Detected
m,p-Xylene	5.0	Not Detected	22	Not Detected
o-Xylene	5.0	Not Detected	22	Not Detected
Styrene	5.0	Not Detected	21	Not Detected
Bromoform	5.0	Not Detected	52	Not Detected
Cumene	5.0	Not Detected	24	Not Detected
1,1,2,2-Tetrachloroethane	5.0	Not Detected	34	Not Detected
Propylbenzene	5.0	Not Detected	24	Not Detected
4-Ethyltoluene	5.0	Not Detected	24	Not Detected
1,3,5-Trimethylbenzene	5.0	Not Detected	24	Not Detected
1,2,4-Trimethylbenzene	5.0	Not Detected	24	Not Detected
1,3-Dichlorobenzene	5.0	Not Detected	30	Not Detected
1,4-Dichlorobenzene	5.0	Not Detected	30	Not Detected
alpha-Chlorotoluene	5.0	Not Detected	26	Not Detected
1,2-Dichlorobenzene	5.0	Not Detected	30	Not Detected
1,2,4-Trichlorobenzene	20	Not Detected	150	Not Detected
Hexachlorobutadiene	20	Not Detected	210	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: CCV

Lab ID#: 1208322-06A

EPA METHOD TO-15 GC/MS

File Name:	**14081602**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/16/12 07:52 AM**	

Compound	%Recovery
Freon 12	101
Freon 114	103
Chloromethane	117
Vinyl Chloride	97
1,3-Butadiene	100
Bromomethane	104
Chloroethane	104
Freon 11	100
Ethanol	136 Q
Freon 113	96
1,1-Dichloroethene	103
Acetone	110
2-Propanol	124
Carbon Disulfide	90
3-Chloropropene	90
Methylene Chloride	108
Methyl tert-butyl ether	94
trans-1,2-Dichloroethene	94
Hexane	108
1,1-Dichloroethane	98
2-Butanone (Methyl Ethyl Ketone)	94
cis-1,2-Dichloroethene	101
Tetrahydrofuran	118
Chloroform	91
1,1,1-Trichloroethane	95
Cyclohexane	92
Carbon Tetrachloride	97
2,2,4-Trimethylpentane	108
Benzene	96
1,2-Dichloroethane	98
Heptane	95
Trichloroethene	96
1,2-Dichloropropane	101
1,4-Dioxane	92
Bromodichloromethane	96
cis-1,3-Dichloropropene	96
4-Methyl-2-pentanone	97
Toluene	94
trans-1,3-Dichloropropene	94
1,1,2-Trichloroethane	91
Tetrachloroethene	93
2-Hexanone	98

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Client Sample ID: CCV

Lab ID#: 1208322-06A

EPA METHOD TO-15 GC/MS

File Name:	**14081602**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/16/12 07:52 AM**	

Compound	%Recovery
Dibromochloromethane	94
1,2-Dibromoethane (EDB)	89
Chlorobenzene	88
Ethyl Benzene	86
m,p-Xylene	87
o-Xylene	88
Styrene	86
Bromoform	104
Cumene	91
1,1,2,2-Tetrachloroethane	95
Propylbenzene	97
4-Ethyltoluene	87
1,3,5-Trimethylbenzene	105
1,2,4-Trimethylbenzene	92
1,3-Dichlorobenzene	96
1,4-Dichlorobenzene	87
alpha-Chlorotoluene	120
1,2-Dichlorobenzene	90
1,2,4-Trichlorobenzene	100
Hexachlorobutadiene	111

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: LCS

Lab ID#: 1208322-07A

EPA METHOD TO-15 GC/MS

File Name:	**14081603**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/16/12 08:19 AM**	

Compound	%Recovery
Freon 12	119
Freon 114	118
Chloromethane	140 Q
Vinyl Chloride	112
1,3-Butadiene	118
Bromomethane	92
Chloroethane	96
Freon 11	116
Ethanol	155 Q
Freon 113	109
1,1-Dichloroethene	126
Acetone	125
2-Propanol	145 Q
Carbon Disulfide	129
3-Chloropropene	118
Methylene Chloride	126
Methyl tert-butyl ether	109
trans-1,2-Dichloroethene	120
Hexane	123
1,1-Dichloroethane	113
2-Butanone (Methyl Ethyl Ketone)	106
cis-1,2-Dichloroethene	117
Tetrahydrofuran	128
Chloroform	110
1,1,1-Trichloroethane	111
Cyclohexane	106
Carbon Tetrachloride	114
2,2,4-Trimethylpentane	120
Benzene	111
1,2-Dichloroethane	112
Heptane	107
Trichloroethene	110
1,2-Dichloropropane	117
1,4-Dioxane	104
Bromodichloromethane	110
cis-1,3-Dichloropropene	110
4-Methyl-2-pentanone	106
Toluene	106
trans-1,3-Dichloropropene	107
1,1,2-Trichloroethane	104
Tetrachloroethene	104
2-Hexanone	110

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Client Sample ID: LCS

Lab ID#: 1208322-07A

EPA METHOD TO-15 GC/MS

File Name:	**14081603**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/16/12 08:19 AM**	

Compound	%Recovery
Dibromochloromethane	105
1,2-Dibromoethane (EDB)	102
Chlorobenzene	98
Ethyl Benzene	98
m,p-Xylene	99
o-Xylene	99
Styrene	100
Bromoform	113
Cumene	103
1,1,2,2-Tetrachloroethane	105
Propylbenzene	107
4-Ethyltoluene	92
1,3,5-Trimethylbenzene	113
1,2,4-Trimethylbenzene	98
1,3-Dichlorobenzene	102
1,4-Dichlorobenzene	90
alpha-Chlorotoluene	126
1,2-Dichlorobenzene	92
1,2,4-Trichlorobenzene	83
Hexachlorobutadiene	92

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: LCSD

Lab ID#: 1208322-07AA

EPA METHOD TO-15 GC/MS

File Name:	**14081604**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/16/12 08:41 AM**	

Compound	%Recovery
Freon 12	116
Freon 114	114
Chloromethane	137 Q
Vinyl Chloride	106
1,3-Butadiene	111
Bromomethane	90
Chloroethane	97
Freon 11	114
Ethanol	149 Q
Freon 113	109
1,1-Dichloroethene	127
Acetone	124
2-Propanol	145 Q
Carbon Disulfide	126
3-Chloropropene	116
Methylene Chloride	123
Methyl tert-butyl ether	108
trans-1,2-Dichloroethene	119
Hexane	121
1,1-Dichloroethane	114
2-Butanone (Methyl Ethyl Ketone)	109
cis-1,2-Dichloroethene	116
Tetrahydrofuran	127
Chloroform	107
1,1,1-Trichloroethane	110
Cyclohexane	105
Carbon Tetrachloride	110
2,2,4-Trimethylpentane	120
Benzene	110
1,2-Dichloroethane	109
Heptane	107
Trichloroethene	108
1,2-Dichloropropane	115
1,4-Dioxane	101
Bromodichloromethane	110
cis-1,3-Dichloropropene	110
4-Methyl-2-pentanone	108
Toluene	105
trans-1,3-Dichloropropene	104
1,1,2-Trichloroethane	102
Tetrachloroethene	102
2-Hexanone	111

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Client Sample ID: LCSD

Lab ID#: 1208322-07AA

EPA METHOD TO-15 GC/MS

File Name:	**14081604**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/16/12 08:41 AM**	

Compound	%Recovery
Dibromochloromethane	103
1,2-Dibromoethane (EDB)	100
Chlorobenzene	97
Ethyl Benzene	95
m,p-Xylene	100
o-Xylene	98
Styrene	100
Bromoform	111
Cumene	101
1,1,2,2-Tetrachloroethane	105
Propylbenzene	108
4-Ethyltoluene	93
1,3,5-Trimethylbenzene	114
1,2,4-Trimethylbenzene	101
1,3-Dichlorobenzene	105
1,4-Dichlorobenzene	94
alpha-Chlorotoluene	129
1,2-Dichlorobenzene	97
1,2,4-Trichlorobenzene	108
Hexachlorobutadiene	112

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager BRIAN FETTIN

Collected by: (Print and Sign) RON PROCHASKA

Company BENESCH Email bfettin@benesch.com

Address 14748 W. CENTER SUITE 200 City OMAHA State NE Zip 68144

Phone 402-333-~~5922~~5797 Fax 402-333-2248

Project Info:
P.O. #
Project # 00120137.00
Project Name 4012 S. 24th

Turn Around Time:
☐ Normal
☒ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	SP-11	23836	8-14-12	1342	TO-15	28.0	1.5"		
02A	SP-16	33714	8-14-12	1350	TO-15	27.5	1.5		
03A	SP-22	37433	8-14-12	1407	TO-15	27.0	1.0		
04A	FIELD DUPLICATE	35620	8-14-12	—	TO-15	27.5	1.5		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	8-14-12/1600	[signature] ATL	8/15/12 1050
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes: PLEASE NOTE THAT CAN # 34143 WAS USED BY BENESCH ON A LINCOLN PROJECT AND WILL BE RETURNED W/THAT SHIPMENT

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	UPS		NA	good	Yes No None	1208322

Form 1293 rev.11

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-1
SHEET 1 of 1
DATE: 8-9-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	PID (ppm)	DEPTH (feet)
	0.0		Concrete			0.0
	0.5		ML - ELASTIC SILT; brown to dark brown; dry; soft. (Fill)			
	2.0		ML - ELASTIC SILT; brown; dry; soft		0.0	2.5
	4.0		ML - ELASTIC SILT; gray slightly mottled with Fe staining; dry; soft			5.0
	7.0		ML - ELASTIC SILT; gray slightly mottled with Fe staining; slightly moist		0.2	7.5
	10.0		ML - ELASTIC SILT; grayish brown; slightly moist		0.0	10.0
	13.0		ML - ELASTIC SILT; grayish brown; moist			12.5
	15.0		Boring Terminated at: 15.0 ft			15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-10
SHEET 1 of 1
DATE: 8-9-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	PID (ppm)	DEPTH (feet)
	0.0		Concrete			0.0
	0.5		CL - LEAN CLAY; clay, cinders, brick and gravel; reddish brown with grayish green mottled with black; moist; soft; firm at 1 foot, silght odor. 0.5 foot to 4.0 foot submitted for lab analysis and 4.0 foot to 8.0 foot submitted for lab analysis		0.1	2.5
						5.0
					0.2	7.5
	8.0		ML - ELASTIC SILT; gray to light brown mottled with reddish yellow			
						10.0
					0.0	12.5
	15.0		Boring Terminated at: 15.0 ft			15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

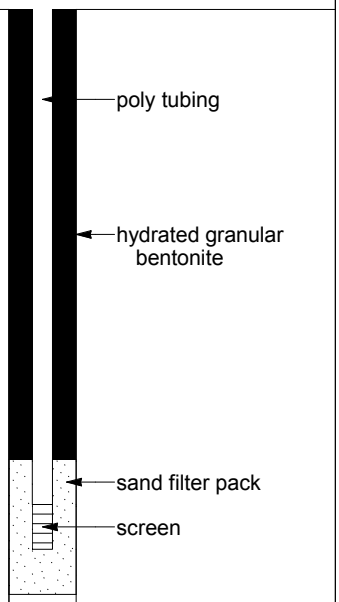
JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-11
SHEET 1 of 1
DATE: 8-9-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	PID (ppm)
	0.0		Concrete		
	0.5		CL - LEAN CLAY; brownish red mottled with gray. (Fill)		
	1.0		CL - LEAN CLAY; green mottled with black; 4.0 foot to 8.0 foot submitted for lab analysis		0.1
	5.0		CL - LEAN CLAY; dark brown mottled with black; heavy black concentration		
	6.0		ML - ELASTIC SILT; gray to light brown		
	7.0		ML - ELASTIC SILT; gray to light brown mottled with Fe staining		0.1
					0.1
	15.0		Boring Terminated at: 15.0 ft		



ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-12
SHEET 1 of 1
DATE: 8-9-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	PID (ppm)	DEPTH (feet)
	0.0		Concrete			0.0
	0.5		CL - LEAN CLAY; reddish brown			
	1.0		CL - LEAN CLAY; blackish green, brick rubble, slight odor		0.1	2.5
	3.0		CL - LEAN CLAY; brown mottled with black			
	5.0		ML - ELASTIC SILT; brown			5.0
	7.0		ML - ELASTIC SILT; dark brown		0.0	7.5
	10.0		ML - ELASTIC SILT; brown			10.0
					0.0	12.5
	13.0		ML - ELASTIC SILT; brownish gray mottled with Fe staining			
	15.0		Boring Terminated at: 15.0 ft			15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-13
SHEET 1 of 1
DATE: 8-9-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	PID (ppm)	DEPTH (feet)
	0.0		Concrete			0.0
	0.5		CL - LEAN CLAY; Rubble, brick and clay			
	2.0		ML - ELASTIC SILT; grayish brown mottled with Fe staining		0.0	2.5
	5.0		ML - ELASTIC SILT; brownish gray; soft		0.0	5.0
						7.5
						10.0
					0.0	12.5
	13.0		ML - ELASTIC SILT; brown			
	15.0		Boring Terminated at: 15.0 ft			15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-14
SHEET 1 of 1
DATE: 8-9-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	PID (ppm)	DEPTH (feet)
	0.0		Concrete			0.0
	0.5		CL - LEAN CLAY; dark brown. (Fill)			
	2.0		ML - SILT; grayish brown mottled with Fe staining; soft		0.0	2.5
	5.0		ML - SILT; brownish gray		0.0	5.0
					0.0	7.5
						10.0
					0.0	12.5
	13.0		ML - SILT; brown			
	15.0		Boring Terminated at: 15.0 ft			15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-15
SHEET 1 of 1
DATE: 8-9-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	PID (ppm)	DEPTH (feet)
	0.0		Concrete			0.0
	0.5		CL - LEAN CLAY; reddish brown. (Fill)			
	2.0		CL - LEAN CLAY; dark brown mottled with Fe staining and gray. (Fill)		0.0	2.5
	3.0		CL - SILTY CLAY; brown mottled with Fe staining			
	4.0		ML - ELASTIC SILT; grayish brown mottled with Fe staining			
	5.0		ML - ELASTIC SILT; gray mottled with Fe staining; soft		0.0	5.0
	8.5		ML - ELASTIC SILT; gray; medium stiff			7.5
						10.0
	12.0		ML - ELASTIC SILT; brown		0.0	12.5
	15.0		Boring Terminated at: 15.0 ft			15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

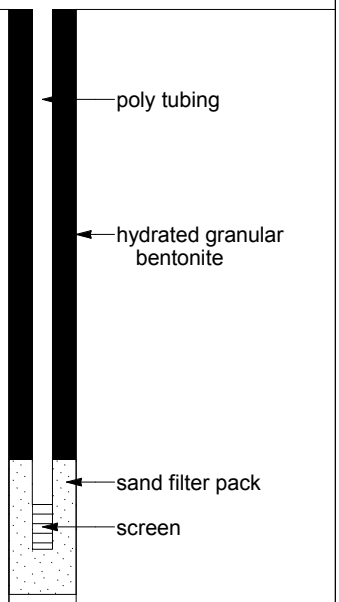
JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-16
SHEET 1 of 1
DATE: 8-9-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	PID (ppm)
	0.0		Concrete		
	0.5		CL - LEAN CLAY; brownish red. (Fill)		
	2.0		CL - LEAN CLAY; greenish black; brick and gravel. (Fill) 0.5 foot to 4.0 foot submitted for lab analysis		0.0
	6.0		CL - SILTY CLAY; brown; medium stiff. (Fill)		
	7.0		ML - ELASTIC SILT; gray mottled with Fe staining; soft		0.1
	12.0		ML - ELASTIC SILT; gray to light brown		0.0
	15.0		Boring Terminated at: 15.0 ft		



ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-17
SHEET 1 of 1
DATE: 8-10-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	PID (ppm)	DEPTH (feet)
	0.0		Concrete			0.0
	0.5		CL - LEAN CLAY; brown to reddish brown; rubble. (Fill)			
	2.0		CL - LEAN CLAY; black to green; medium stiff; with brick		0.0	2.5
	5.0		CL - LEAN CLAY; brown; soft. (Fill)			5.0
	6.0		ML - ELASTIC SILT; light brown to gray mottled with Fe staining; with Fe concretions		0.1	7.5
						10.0
					0.0	12.5
	15.0		Boring Terminated at: 15.0 ft			15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-18
SHEET 1 of 1
DATE: 8-10-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	PID (ppm)	DEPTH (feet)
	0.0		Concrete			0.0
	0.5		Clay, greenish black. medium stiff from 1 foot to 5 feet, brown at 5 feet, soft, moist, with brick and glass to 7 feet. (Fill)		0.0	2.5
	7.0		ML - ELASTIC SILT; dark brown to brown		0.0	5.0 7.5 10.0
	12.0		ML - ELASTIC SILT; gray		0.0	12.5
	15.0		Boring Terminated at: 15.0 ft			15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-19
SHEET 1 of 1
DATE: 8-10-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	DEPTH (feet)
	0.0		Concrete		0.0
	0.5		CL - LEAN CLAY; dark brown. (Fill)		
	5.0		CL - LEAN CLAY; brown; dry. (Fill)		5.0
	8.0		ML - ELASTIC SILT; gray to light brown mottled with Fe staining; soft		10.0
	10.0		Boring Terminated at: 10.0 ft		

2.5
7.5
12.5
15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-2
SHEET 1 of 1
DATE: 8-9-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	PID (ppm)	DEPTH (feet)
	0.0		Concrete			0.0
	0.5		CL - SILTY CLAY; brown to dark brown; with cinders. (Fill)		0.0	2.5
	4.0		ML - ELASTIC SILT; gray; mottled with iron staining and nodules; dry; soft.			5.0
					0.3	7.5
	10.0		ML - ELASTIC SILT; gray; moist			10.0
	12.0		ML - ELASTIC SILT; brown		0.1	12.5
	15.0		Boring Terminated at: 15.0 ft			15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-20
SHEET 1 of 1
DATE: 8-10-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	DEPTH (feet)
	0.0		CL - SILTY CLAY; dark brown; dry; soft. (Fill)		0.0
	7.0		Same as above except slightly moist.		7.5
	8.0		ML - SILT; light brown mottled with gray with occasional Fe staining		
	10.0		Boring Terminated at: 10.0 ft		10.0

2.5
5.0
12.5
15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-21
SHEET 1 of 1
DATE: 8-10-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	DEPTH (feet)
	0.0		Silty clay; brown; topsoil from 0.0 inches to 3.0 inches. (Fill) 0.0 foot to 4.0 foot submitted for lab analysis		0.0
	2.5		ML - SILT; brown to dark brown		2.5
	5.0		ML - SILT; light gray mottled with Fe staining; soft		5.0
					7.5
	10.0		Boring Terminated at: 10.0 ft		10.0
					12.5
					15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

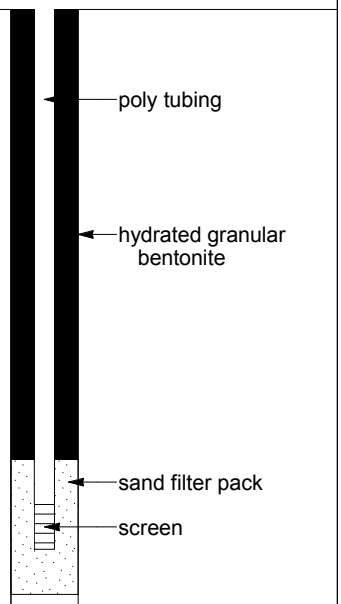
JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-22
SHEET 1 of 1
DATE: 8-10-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE
	0.0		ML - SILT; brown to dark brown; dry; topsoil from 0.0 inches to 3.0 inches. (Fill)	
	3.0		ML - SILT; brown to light gray mottled with Fe staining	
	10.0		Boring Terminated at: 10.0 ft	



ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-23
SHEET 1 of 1
DATE: 8-10-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	DEPTH (feet)
	0.0		CL - LEAN CLAY; with grass. (Topsoil)		0.0
	0.5		ML - SILT; brown; occasional brick and rock pieces, dry. (Fill)		
	7.0		ML - SILT; yellowish gray mottled with Fe staining		
	10.0		Boring Terminated at: 10.0 ft		10.0

2.5
5.0
7.5
12.5
15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-24
SHEET 1 of 1
DATE: 8-10-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	DEPTH (feet)
	0.0		Concrete		0.0
	0.5		ML - ELASTIC SILT; brown mottled with Fe staining; soft		2.5
	5.0		ML - ELASTIC SILT; brownish gray		5.0
					7.5
	10.0				10.0
					12.5
			Boring Terminated at: 15.0 ft		15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-25
SHEET 1 of 1
DATE: 8-10-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	PID (ppm)	DEPTH (feet)
	0.0		Concrete			0.0
	0.5		Silty clay; brown. (Fill)			
	1.0		CL - LEAN CLAY; brown		0.0	2.5
	4.0		CL - LEAN CLAY; gray to light brown mottled with Fe staining; soft			5.0
	7.0		CL - LEAN CLAY; gray		0.0	7.5
	10.0				0.0	10.0
						12.5
			Boring Terminated at: 15.0 ft			15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-3
SHEET 1 of 1
DATE: 8-9-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	PID (ppm)	DEPTH (feet)
	0.0		Concrete			0.0
	0.5		CL - LEAN CLAY; brown to dark brown mottled with Fe staining; slightly moist. (Fill)		0.0	2.5
	3.0		ML - ELASTIC SILT; brown to dark brown			
	5.0		ML - ELASTIC SILT; gray		0.0	5.0
	7.5					7.5
	10.0		ML - ELASTIC SILT; gray; moist			10.0
	12.0		ML - ELASTIC SILT; brown		0.0	12.5
	15.0		Boring Terminated at: 15.0 ft			15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-4
SHEET 1 of 1
DATE: 8-9-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	PID (ppm)	DEPTH (feet)
	0.0		Concrete			0.0
	0.5		CL - LEAN CLAY; dark brown to black. (Fill)			
					0.0	2.5
	3.0		ML - ELASTIC SILT; brown mottled with Fe staining; moist			
	5.0		ML - ELASTIC SILT; gray; moist; soft			5.0
					0.0	7.5
						10.0
					0.0	12.5
	13.0		ML - ELASTIC SILT; brownish gray; moist; soft			
	15.0		Boring Terminated at: 15.0 ft			15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-5
SHEET 1 of 1
DATE: 8-9-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	PID (ppm)	DEPTH (feet)
	0.0		Concrete			0.0
	0.5		CL - SILTY CLAY; reddish brown with brown and black; slightly moist; soft. (Fill)		0.0	2.5
	5.0		ML - ELASTIC SILT; brown			5.0
	7.0		ML - ELASTIC SILT; gray mottled with Fe staining; moist; soft		0.0	7.5
						10.0
					0.0	12.5
	13.0		ML - ELASTIC SILT; brown			
	15.0		Boring Terminated at: 15.0 ft			15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-6
SHEET 1 of 1
DATE: 8-9-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	PID (ppm)	DEPTH (feet)
	0.0		Concrete			0.0
	0.5		CL - SILTY CLAY; brownish red with dark brown to black; dry; soft. (Fill)		0.0	2.5
	4.0		ML - ELASTIC SILT; brown; moist			5.0
					0.0	7.5
	9.0		ML - ELASTIC SILT; gray			10.0
	12.0		ML - ELASTIC SILT; grayish brown; slightly moist			12.5
	15.0		Boring Terminated at: 15.0 ft			15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-7
SHEET 1 of 1
DATE: 8-9-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	DEPTH (feet)
	0.0		Concrete		0.0
	0.5		CL - LEAN CLAY; clay; brown; cinders and brick. (Fill)		
	2.0		ML - ELASTIC SILT; light brownish gray mottled with Fe staining		2.5
	5.0		ML - ELASTIC SILT; gray		5.0
					7.5
					10.0
	10.5		ML - ELASTIC SILT; brown mottled with Fe staining and gray; slightly moist		
					12.5
	15.0		Boring Terminated at: 15.0 ft		15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-8
SHEET 1 of 1
DATE: 8-9-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	DEPTH (feet)
	0.0		Concrete		0.0
	0.5		CL - LEAN CLAY; dark brown to black. (Fill)		
	3.0		ML - ELASTIC SILT; brown mottled with Fe staining and gray; soft		2.5
	5.0		ML - ELASTIC SILT; gray		5.0
					7.5
					10.0
					12.5
	13.0		ML - ELASTIC SILT; brownish gray		
	15.0		Boring Terminated at: 15.0 ft		15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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PROJECT: Omaha MAPA
Brownfields Business Printing

LOCATION: Omaha, Nebraska

JOB NO.: 00120137.00
RIG / METHOD: Geoprobe / Geoprobe
CREW: Tom Payton & Brian Fettin

BORING LOG

BORING NO.: SB-9
SHEET 1 of 1
DATE: 8-9-2012

WATER LEVELS

ELEV (Project)	DEPTH (feet)	LOG	LITHOLOGY DESCRIPTION	SAMPLE	PID (ppm)	DEPTH (feet)
	0.0		Concrete			0.0
	0.5		CL - LEAN CLAY; clay, brick, rock, and rubble, green discolored soils with slight odor, cinders from 2 feet to 3 feet. (Fill)		0.1	2.5
	4.0		ML - ELASTIC SILT; grayish brown mottled with Fe staining			5.0
					0.0	7.5
						10.0
					0.0	12.5
	15.0		Boring Terminated at: 15.0 ft			15.0

ENVR WELL LOG OMAHA MAPA BROWNSFIELDS BUSINESS PRINTING.GPJ HWS MAR06.GDT 8/23/12

Figure

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Alfred Benesch & Company
825 J Street
Lincoln, NE 68508
www.benesch.com
P 402-479-2200
F 402-479-2276

August 20, 2012

Ms. Lynn Dittmer
Metropolitan Area Planning Agency
2222 Cuming Street
Omaha, NE 68102

REFERENCE: Coalition Assessment Grant
4012 South 24th Street, Omaha, Nebraska

Dear Ms. Dittmer:

Please find enclosed the results of the Asbestos survey preformed at the above referenced facility. The survey was completed on August 10, 2012 by Ron J. Prochaska of Alfred Benesch & Company (Benesch). During the survey Benesch discovered the following suspect asbestos containing materials:

1. Sprayed acoustical ceiling surface
2. Drywall with taping compounds
3. 9x9 floor tile and mastics (three types)
4. Sheet flooring materials (three types)
5. Lay-in ceiling tiles (5 types)
6. Duct insulation
7. 1x1 ceiling tile
8. Hard-coat plaster ceilings and walls
9. Cement asbestos panel board (three types)
10. 12x12 floor tile and mastics (three types)
11. Exterior stucco finish

Bulk samples of each of these materials were collected. The samples were submitted to SanAir Technologies Laboratory for analysis to determine if any of these materials contain asbestos. Included is a Sample Tally Sheet identifying the materials sampled and the sample locations. Also included are the laboratory reports pertaining to these materials.

State of Nebraska, EPA, and OSHA regulations define an asbestos containing material (ACM), as any material or product that contains more than 1% asbestos. Eight suspect materials were found to contain more than 1% asbestos and are thus considered ACM. These materials are:

1. Tan 9x9 floor tile and mastic (top layer sales office under carpet)
2. Red 9x9 floor tile and mastic (bottom layer sales office and on stairs)
3. Brown sheet floor (press room office)
4. Duct insulation on furnace boots (attic above press room)
5. Cement asbestos board (above doorway between the west and south additions)
6. Cement asbestos board (lower 4 feet of north and west walls of warehouse)
7. Brown sheet floor (restrooms in warehouse and under carpet in the NE entrance)
8. Cement asbestos board (2nd floor restroom partitions) Assumed to be ACM.

Please note that the initial analysis of the sprayed acoustical ceiling in the press room (sample No. 4012-1F-AC-01A) was found to contain 2% by the EPA PLM 600 method of analysis. This sample and two others collected from the same material were then analyzed by the EPA PLM 400 Point Count method. All three of these samples were found to contain less than 1% asbestos. According to State of Nebraska, and EPA regulations, the point count analysis takes precedence over the initial analysis.

The survey excluded the sampling of roofing materials.

All of the ACM discovered by this survey are in good condition and pose no immediate health hazards. Precautions should be taken to assure that these ACM remain in good condition. Should disturbance of these ACM be required, the ACM should be removed. The removal should be performed as per the Nebraska Asbestos Control Program Regulations.

If you have any questions regarding this report or if Benesch can be of any further service, please call me at 402-479-2296 at your convenience.

Sincerely,
ALFRED BENESCH & COMPANY

Ron J. Prochaska
Project Manger/Asbestos Inspector / Nebraska Certificate No. 850

RJP/rjp

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ASBESTOS BULK MATERIAL SAMPLE TALLY SHEET AND RESULTS

PROJECT NUMBER: 00120137.00.00003.00002 | **PROJECT: Coalition Assessment Grant**

INSPECTOR(S): Ron J.Prochaska | **Property: 4012 South 24th Street, Omaha, Nebraska**

INSP.	SAMPLE NUMBER	DATE	MATERIAL DESCRIPTION	SAMPLE LOCATION	LAB RESULTS	QUANTITY
R.J.P.	4012-1F-AC-01A	8/10/12	sprayed acoustical ceiling	original building, east press room	2%	NA
R.J.P.	4012-1F-AC-01A	8/10/12	sprayed acoustical ceiling	original building, east press room	point count 0.75%	NA
R.J.P.	4012-1F-AC-02A	8/10/12	sprayed acoustical ceiling	original building, center press room	point count 0.75%	NA
R.J.P.	4012-1F-AC-03A	8/10/12	sprayed acoustical ceiling	original building, west press room	point count 0.25%	NA
R.J.P.	4012-1F-DW-04B	8/10/12	drywall with taping compounds	original building, 1st floor, east office area	ND	NA
R.J.P.	4012-2F-DW-05B	8/10/12	drywall with taping compounds	original building, 2nd floor, dark room	ND	NA
R.J.P.	4012-1F-DW-06B	8/10/12	drywall with taping compounds	original building, 1st floor, press room office	ND	NA
R.J.P.	4012-1F-FT-07C	8/10/12	tan and red 9x9 floor tile and mastic	original building, 1st floor, sales office (under carpet)	tile=3%, mastic= 3%	912 SF
R.J.P.	4012-2F-FT-08D	8/10/12	red 9x9 floor tile and mastic	original building, south stairwell to 2nd floor	tile=3%, mastic= 2%	29 SF
R.J.P.	4012-1F-SF-09E	8/10/12	brown sheet floor	original building, press room office	15%	125 SF
R.J.P.	4012-2F-SF-10F	8/10/12	yellow sheet floor	original building, second floor dark room	ND	NA
R.J.P.	4012-1F-CT-11G	8/10/12	2x4 lay-in ceiling tile	original building, 1st floor, east office area	ND	NA
R.J.P.	4012-2F-DI-12H	8/10/12	duct insulation	original building, duct boots, attic above press room	65%	4 boots
R.J.P.	4012-1F-CT-13I	8/10/12	1x1 ceiling tile	original building, above sales office ceiling	ND	NA
R.J.P.	4012-1F-PL-14J	8/10/12	hard-coat plaster ceilings and walls	original building, west wall of press room	ND	NA
R.J.P.	4012-1F-PL-15J	8/10/12	hard-coat plaster ceilings and walls	original building, SE office of press room	ND	NA
R.J.P.	4012-1F-PL-16J	8/10/12	hard-coat plaster ceilings and walls	original building, 2nd floor, north restroom	ND	NA

ND - No asbestos detected

NA - Not asbestos

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ASBESTOS BULK MATERIAL SAMPLE TALLY SHEET AND RESULTS

PROJECT NUMBER: 00120137.00.00003.00002 | **PROJECT: Coalition Assessment Grant**

INSPECTOR(S): Ron J.Prochaska | **Property: 4012 South 24th Street, Omaha, Nebraska**

INSP.	SAMPLE NUMBER	DATE	MATERIAL DESCRIPTION	SAMPLE LOCATION	LAB RESULTS	QUANTITY
R.J.P.	4012-1F-PL-17K	8/10/12	hard-coat plaster walls	west addition, west wall	ND	NA
R.J.P.	4012-1F-PL-18K	8/10/12	hard-coat plaster walls	west addition, north wall	ND	NA
R.J.P.	4012-1F-PL-19K	8/10/12	hard-coat plaster walls	west addition, east wall	ND	NA
R.J.P.	4012-1F-CB-20L	8/10/12	cement panel board	above doorway between west and south additions	15%	40 SF
R.J.P.	4012-1F-CT-21M	8/10/12	16" x 32" ceiling tile	original building, north of sales office area	ND	NA
R.J.P.	4012-1F-CB-22N	8/10/12	cement panel board / lower wall area	1980s addition, warehouse, SW corner	15%	760 SF
R.J.P.	4012-1F-CB-23N	8/10/12	cement panel board / lower wall area	1980s addition, warehouse, NW corner	not analyzed	NA
R.J.P.	4012-1F-CB-24N	8/10/12	cement panel board / lower wall area	1980s addition, warehouse, NE corner	not analyzed	NA
R.J.P.	4012-1F-SF-25O	8/10/12	yellow sheet floor	1980s addition, at north entrance to warehouse	ND	NA
R.J.P.	4012-1F-SF-26O	8/10/12	yellow sheet floor	1980s addition, ladies restroom in office area	ND	NA
R.J.P.	4012-1F-SF-27O	8/10/12	yellow sheet floor	1980s addition, NE reception area	ND	NA
R.J.P.	4012-1F-CT-28P	8/10/12	2x2 lay-in ceiling tile	1980s addition, office area	ND	NA
R.J.P.	4012-1F-CT-29Q	8/10/12	2x4 lay-in ceiling tile	1980s addition, 2nd floor, west area	ND	NA
R.J.P.	4012-2F-FT-30R	8/10/12	beige 12x12 floor tile and mastic	1980s addition, 2nd floor, northeast	ND	NA
R.J.P.	4012-2F-FT-31R	8/10/12	beige 12x12 floor tile and mastic	1980s addition, 2nd floor, northeast	ND	NA
R.J.P.	4012-2F-FT-32R	8/10/12	beige 12x12 floor tile and mastic	1980s addition, 2nd floor, northeast	ND	NA

ND - No asbestos detected

NA - Not asbestos

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ASBESTOS BULK MATERIAL SAMPLE TALLY SHEET AND RESULTS

PROJECT NUMBER: 00120137.00.00003.00002 **PROJECT: Coalition Assessment Grant**

INSPECTOR(S): Ron J.Prochaska **Property: 4012 South 24th Street**
Omaha, Nebraska

INSP.	SAMPLE NUMBER	DATE	MATERIAL DESCRIPTION	SAMPLE LOCATION	LAB RESULTS	QUANTITY
R.J.P	4012-2F-FT-33S	8/10/12	beige speckled 12x12 floor tile and mastic	1980s addition, 2nd floor, southeast	ND	NA
R.J.P.	4012-2F-FT-34S	8/10/12	beige speckled 12x12 floor tile and mastic	1980s addition, 2nd floor, southwest	ND	NA
R.J.P.	4012-2F-FT-35S	8/10/12	beige speckled 12x12 floor tile and mastic	1980s addition, 2nd floor, west	ND	NA
R.J.P.	4012-1F-FT-36T	8/10/12	brown 12x12 floor tile and mastic	1980s addition, 1st floor, conference room	ND	NA
R.J.P.	4012-1F-FT-37T	8/10/12	brown 12x12 floor tile and mastic	1980s addition, 1st floor, NW office	ND	NA
R.J.P.	4012-2F-CT-38U	8/10/12	2x4 lay-in ceiling tile	1980s addition, 2nd floor, east	ND	NA
R.J.P.	4012-1F-CT-39V	8/10/12	2x4 lay-in ceiling tile	1980s addition, warehouse restrooms	ND	NA
R.J.P.	4012-1F-SF-40W	8/10/12	brown sheet floor	1980s addition, warehouse restrooms and NE entry	15%	168 SF
R.J.P.	4012-2F-DW-41X	8/10/12	drywall with taping compounds	1980s addition, 2nd floor, west room	ND	NA
R.J.P.	4012-2F-DW-42X	8/10/12	drywall with taping compounds	1980s addition, 2nd floor, center of east wall	ND	NA
R.J.P.	4012-2F-DW-43X	8/10/12	drywall with taping compounds	1980s addition, 2nd floor, NE corner	ND	NA
R.J.P.	4012-EX-ES-44Y	8/10/12	exterior stucco finish	NE corner, exterior wall	ND	NA
R.J.P.	4012-EX-ES-45Y	8/10/12	exterior stucco finish	center of east exterior wall	ND	NA
R.J.P	4012-EX-ES-46Y	8/10/12	exterior stucco finish	SE corner of exterior wall	ND	NA
R.J.P.	ASSUMED	8/10/12	cement asbestos board	2nd floor, toilet partitions	assumed	35 SF

ND - No asbestos detected

NA - Not asbestos

SanAir Technologies Laboratory

Analysis Report

prepared for

Alfred Benesch & Co.

Report Date: 8/14/2012
Project Name: 4012 South 24th Street
Project #: 00120137.00
SanAir ID#: 12015847

NVLAP LAB CODE 200870-0

AIHA LAP, LLC ACCREDITED LABORATORY ENVIRONMENTAL MICROBIOLOGY

Virginia SBE
Certification # 652931

Texas Licensed Mold Analysis Laboratory
License # LAB0166

SanAir Technologies Laboratory

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

Alfred Benesch & Co.
825 J Street
Lincoln, NE 68508

August 14, 2012

SanAir ID # 12015847
Project Name: 4012 South 24th Street
Project Number: 00120137.00

Dear Ron Prochaska,

We at SanAir would like to thank you for the work you recently submitted. The 46 sample(s) were received on Monday, August 13, 2012 via FedEx. The final report(s) is enclosed for the following sample(s): 4012-1F-AC-01A, 4012-1F-AC-02A, 4012-1F-AC-03A, 4012-1F-DW-04B, 4012-2F-DW-05B, 4012-1F-DW-06B, 4012-1F-FT-07C, 4012-2F-FT-08D, 4012-1F-SF-09E, 4012-2F-SF-10F, 4012-1F-CT-11G, 4012-2F-DI-12H, 4012-1F-CT-13I, 4012-1F-PL-14J, 4012-1F-PL-15J, 4012-2F-PL-16J, 4012-1F-PL-17K, 4012-1F-PL-18K, 4012-1F-PL-19K, 4012-1F-CB-20L, 4012-1F-CT-21M, 4012-1F-CB-22N, 4012-1F-CB-23N, 4012-1F-CB-24N, 4012-1F-SF-25O, 4012-1F-SF-26O, 4012-1F-SF-27O, 4012-1F-CT-28P, 4012-2F-CT-29Q, 4012-2F-FT-30R, 4012-2F-FT-31R, 4012-2F-FT-32R, 4012-2F-FT-33S, 4012-2F-FT-34S, 4012-2F-FT-35S, 4012-2F-FT-36T, 4012-1F-FT-37T, 4012-1F-CT-38U, 4012-1F-CT-39V, 4012-1F-SF-40W, 4012-2F-DW-41X, 4012-2F-DW-42X, 4012-2F-DW-43X, 4012-EX-ES-44Y, 4012-EX-ES-45Y, 4012-EX-ES-46Y.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:
46 sample(s) in Good condition

SanAir Technologies Laboratory, Inc.

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804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number
12015847
FINAL REPORT

Name: Alfred Benesch & Co.
Address: 825 J Street
Lincoln, NE 68508

Project Number: 00120137.00
P.O. Number: Amended Report 8/17/12 SCS
Project Name: 4012 South 24th Street

Collected Date: 8/10/2012
Received Date: 8/13/2012 9:50:00 AM
Report Date: 8/14/2012 9:46:46 AM
Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-1F-AC-01A / 12015847-001 Sprayed Acoustical Ceiling	Off-White Non-Fibrous Homogeneous		98% Other	2% Chrysotile
4012-1F-AC-02A / 12015847-002 Sprayed Acoustical Ceiling				Not Analyzed
4012-1F-AC-03A / 12015847-003 Sprayed Acoustical Ceiling				Not Analyzed
4012-1F-DW-04B / 12015847-004 Drywall With Taping Compounds	Various Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected
4012-2F-DW-05B / 12015847-005 Drywall With Taping Compounds	Various Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected
4012-1F-DW-06B / 12015847-006 Drywall With Taping Compounds	Various Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected
4012-1F-FT-07C / 12015847-007 9x9 Floor Tile And Mastic (Two Layers), Floor Tile	Tan Non-Fibrous Homogeneous		97% Other	3% Chrysotile
4012-1F-FT-07C / 12015847-007 9x9 Floor Tile And Mastic (Two Layers), Mastic	Black Non-Fibrous Homogeneous		97% Other	3% Chrysotile
4012-1F-FT-07C / 12015847-007 9x9 Floor Tile And Mastic (Two Layers), Floor Tile	Red Non-Fibrous Homogeneous		97% Other	3% Chrysotile
4012-1F-FT-07C / 12015847-007 9x9 Floor Tile And Mastic (Two Layers), Mastic	Black Non-Fibrous Homogeneous		97% Other	3% Chrysotile

Certification

Signature: Susan L. Childress
Date: 8/14/2012

Reviewed: Sandra Sobrino
Date: 8/14/2012

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SanAir ID Number
12015847
FINAL REPORT

Name: Alfred Benesch & Co.
Address: 825 J Street
Lincoln, NE 68508

Project Number: 00120137.00
P.O. Number: Amended Report 8/17/12 SCS
Project Name: 4012 South 24th Street

Collected Date: 8/10/2012
Received Date: 8/13/2012 9:50:00 AM
Report Date: 8/14/2012 9:46:46 AM
Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-2F-FT-08D / 12015847-008 9x9 Floor Tile And Mastic, Floor Tile	Red Non-Fibrous Homogeneous		97% Other	3% Chrysotile
4012-2F-FT-08D / 12015847-008 9x9 Floor Tile And Mastic, Mastic	Black Non-Fibrous Homogeneous	2% Cellulose	96% Other	2% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-1F-SF-09E / 12015847-009 Sheet Floor	Brown Non-Fibrous Homogeneous	20% Cellulose	65% Other	15% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-2F-SF-10F / 12015847-010 Sheet Floor	Yellow Non-Fibrous Homogeneous	20% Cellulose 3% Glass	77% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-1F-CT-11G / 12015847-011 2x4 Lay In Ceiling Tile	White Fibrous Homogeneous	45% Cellulose 40% Glass	15% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-2F-DI-12H / 12015847-012 Duct Insulation	Grey Fibrous Homogeneous	25% Cellulose	10% Other	65% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-1F-CT-13I / 12015847-013 1x1 Ceiling Tile	Tan Fibrous Homogeneous	85% Cellulose	15% Other	None Detected

Certification

Signature: Susan L. Childress
Date: 8/14/2012

Reviewed: Sandra Sobrino
Date: 8/14/2012

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number
12015847
FINAL REPORT

Name: Alfred Benesch & Co.
Address: 825 J Street
Lincoln, NE 68508

Project Number: 00120137.00
P.O. Number: Amended Report 8/17/12 SCS
Project Name: 4012 South 24th Street

Collected Date: 8/10/2012
Received Date: 8/13/2012 9:50:00 AM
Report Date: 8/14/2012 9:46:46 AM
Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-1F-PL-14J / 12015847-014 Hard Coat Plaster Ceilings And Walls	Grey Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-1F-PL-15J / 12015847-015 Hard Coat Plaster Ceilings And Walls, Plaster	White Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected
4012-1F-PL-15J / 12015847-015 Hard Coat Plaster Ceilings And Walls, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-2F-PL-16J / 12015847-016 Hard Coat Plaster Ceilings And Walls, Plaster	Beige Non-Fibrous Homogeneous	< 1% Cellulose	100% Other	None Detected
4012-2F-PL-16J / 12015847-016 Hard Coat Plaster Ceilings And Walls, Skim Coat	Off-White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-1F-PL-17K / 12015847-017 Hard Coat Plaster Walls	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-1F-PL-18K / 12015847-018 Hard Coat Plaster Walls	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-1F-PL-19K / 12015847-019 Hard Coat Plaster Walls	White Non-Fibrous Homogeneous		100% Other	None Detected

Certification

Signature: Susan L. Childress
Date: 8/14/2012

Reviewed: Sandra Sobrino
Date: 8/14/2012

SanAir Technologies Laboratory, Inc.

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Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number
12015847
FINAL REPORT

Name: Alfred Benesch & Co.
Address: 825 J Street
Lincoln, NE 68508

Project Number: 00120137.00
P.O. Number: Amended Report 8/17/12 SCS
Project Name: 4012 South 24th Street

Collected Date: 8/10/2012
Received Date: 8/13/2012 9:50:00 AM
Report Date: 8/14/2012 9:46:46 AM
Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
4012-1F-CB-20L / 12015847-020 Cement Panel Board	Grey Non-Fibrous Homogeneous		85% Other	15% Chrysotile
4012-1F-CT-21M / 12015847-021 16"x32" Ceiling Tile	Tan Fibrous Homogeneous	90% Cellulose	10% Other	None Detected
4012-1F-CB-22N / 12015847-022 Cement Panel Board	Grey Non-Fibrous Homogeneous		85% Other	15% Chrysotile
4012-1F-CB-23N / 12015847-023 Cement Panel Board				Not Analyzed
4012-1F-CB-24N / 12015847-024 Cement Panel Board				Not Analyzed
4012-1F-SF-25O / 12015847-025 Sheet Floor	Yellow Non-Fibrous Homogeneous	15% Cellulose	85% Other	None Detected
4012-1F-SF-26O / 12015847-026 Sheet Floor	Yellow Non-Fibrous Homogeneous	15% Cellulose	85% Other	None Detected

Certification

Signature: Susan L. Childress
Date: 8/14/2012

Reviewed: Sandra Sobieraj
Date: 8/14/2012

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Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
4012-1F-SF-27O / 12015847-027 Sheet Floor	Yellow Non-Fibrous Homogeneous	15% Cellulose	85% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
4012-1F-CT-28P / 12015847-028 2x2 Lay-In Ceiling Tile	White Fibrous Homogeneous	65% Glass	35% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
4012-2F-CT-29Q / 12015847-029 2x4 Lay-In Ceiling Tile	Beige Fibrous Homogeneous	40% Glass 45% Cellulose	15% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
4012-2F-FT-30R / 12015847-030 12x12 Floor Tile And Mastic, Floor Tile	Beige Non-Fibrous Homogeneous		100% Other	None Detected
4012-2F-FT-30R / 12015847-030 12x12 Floor Tile And Mastic, Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
4012-2F-FT-31R / 12015847-031 12x12 Floor Tile And Mastic, Floor Tile	Beige Non-Fibrous Homogeneous		100% Other	None Detected
4012-2F-FT-31R / 12015847-031 12x12 Floor Tile And Mastic, Mastic	Yellow Non-Fibrous Homogeneous	< 1% Cellulose	100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
4012-2F-FT-32R / 12015847-032 12x12 Floor Tile And Mastic, Floor Tile	Beige Non-Fibrous Homogeneous		100% Other	None Detected
4012-2F-FT-32R / 12015847-032 12x12 Floor Tile And Mastic, Mastic	Yellow Non-Fibrous Homogeneous	< 1% Cellulose	100% Other	None Detected

Certification

Signature: Susan L. Childress
Date: 8/14/2012

Reviewed: Sandra Sobrino
Date: 8/14/2012

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SanAir ID Number
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FINAL REPORT

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Project Number: 00120137.00
P.O. Number: Amended Report 8/17/12 SCS
Project Name: 4012 South 24th Street

Collected Date: 8/10/2012
Received Date: 8/13/2012 9:50:00 AM
Report Date: 8/14/2012 9:46:46 AM
Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-2F-FT-33S / 12015847-033 12x12 Floor Tile And Mastic, Floor Tile	Beige Non-Fibrous Homogeneous		100% Other	None Detected
4012-2F-FT-33S / 12015847-033 12x12 Floor Tile And Mastic, Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-2F-FT-34S / 12015847-034 12x12 Floor Tile And Mastic, Floor Tile	Beige Non-Fibrous Homogeneous		100% Other	None Detected
4012-2F-FT-34S / 12015847-034 12x12 Floor Tile And Mastic, Mastic	Yellow Non-Fibrous Homogeneous	< 1% Cellulose	100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-2F-FT-35S / 12015847-035 12x12 Floor Tile And Mastic, Floor Tile	Beige Non-Fibrous Homogeneous		100% Other	None Detected
4012-2F-FT-35S / 12015847-035 12x12 Floor Tile And Mastic, Mastic	Yellow Non-Fibrous Homogeneous	< 1% Cellulose	100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-2F-FT-36T / 12015847-036 12x12 Floor Tile And Mastic, Floor Tile	Brown Non-Fibrous Homogeneous		100% Other	None Detected
4012-2F-FT-36T / 12015847-036 12x12 Floor Tile And Mastic, Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-1F-FT-37T / 12015847-037 12x12 Floor Tile And Mastic, Floor Tile	Brown Non-Fibrous Homogeneous		100% Other	None Detected
4012-1F-FT-37T / 12015847-037 12x12 Floor Tile And Mastic, Mastic	Yellow Non-Fibrous Homogeneous	< 1% Cellulose < 1% Glass	100% Other	None Detected

Certification

Signature: Susan P. Childress
Date: 8/14/2012

Reviewed: Sandra Sobrino
Date: 8/14/2012

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SanAir ID Number
12015847
FINAL REPORT

Name: Alfred Benesch & Co.
Address: 825 J Street
Lincoln, NE 68508

Project Number: 00120137.00
P.O. Number: Amended Report 8/17/12 SCS
Project Name: 4012 South 24th Street

Collected Date: 8/10/2012
Received Date: 8/13/2012 9:50:00 AM
Report Date: 8/14/2012 9:46:46 AM
Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
4012-1F-CT-38U / 12015847-038 2x4 Lay-In Ceiling Tile	White Fibrous Homogeneous	55% Cellulose 35% Glass	10% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
4012-1F-CT-39V / 12015847-039 2x4 Lay-In Ceiling Tile	White Fibrous Homogeneous	55% Cellulose 35% Glass	10% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
4012-1F-SF-40W / 12015847-040 Sheet Floor, Sheet Flooring	Brown Non-Fibrous Homogeneous	20% Cellulose	65% Other	15% Chrysotile
4012-1F-SF-40W / 12015847-040 Sheet Floor, Mastic	Cream Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
4012-2F-DW-41X / 12015847-041 Drywall With Taping Compounds	Various Non-Fibrous Homogeneous	4% Cellulose	96% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
4012-2F-DW-42X / 12015847-042 Drywall With Taping Compounds	Various Non-Fibrous Homogeneous	4% Cellulose	96% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
4012-2F-DW-43X / 12015847-043 Drywall With Taping Compounds	Various Non-Fibrous Homogeneous	4% Cellulose	96% Other	None Detected

Certification

Signature: Susan L. Childress
Date: 8/14/2012

Reviewed: Sandra Sobrino
Date: 8/14/2012

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SanAir ID Number
12015847
FINAL REPORT

Name: Alfred Benesch & Co.
Address: 825 J Street
Lincoln, NE 68508

Project Number: 00120137.00
P.O. Number: Amended Report 8/17/12 SCS
Project Name: 4012 South 24th Street

Collected Date: 8/10/2012
Received Date: 8/13/2012 9:50:00 AM
Report Date: 8/14/2012 9:46:46 AM
Analyst: Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
4012-EX-ES-44Y / 12015847-044 Exterior Stucco Finish	Various Non-Fibrous Homogeneous	5% Glass	95% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
4012-EX-ES-45Y / 12015847-045 Exterior Stucco Finish	Various Non-Fibrous Homogeneous	5% Glass	95% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
4012-EX-ES-46Y / 12015847-046 Exterior Stucco Finish	Various Non-Fibrous Homogeneous	5% Glass	95% Other	None Detected

Certification

Signature: Susan L. Childress
Date: 8/14/2012

Reviewed: Sandra Sobrino
Date: 8/14/2012

SanAir Technologies Laboratory

Analysis Report

prepared for

Alfred Benesch & Co.

Report Date: 8/15/2012
Project Name: 4012 South 24th Street
Project #: 00120137.00
SanAir ID#: 12015978

NVLAP LAB CODE 200870-0

AIHA LAP, LLC ACCREDITED LABORATORY ENVIRONMENTAL MICROBIOLOGY

Virginia SBE Certification # 652931

Texas Licensed Mold Analysis Laboratory License # LAB0166

SanAir Technologies Laboratory

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Alfred Benesch & Co.
825 J Street
Lincoln, NE 68508

August 15, 2012

SanAir ID # 12015978
Project Name: 4012 South 24th Street
Project Number: 00120137.00

Dear Ron Prochaska,

We at SanAir would like to thank you for the work you recently submitted. The 3 sample(s) were received on Tuesday, August 14, 2012 via Fax or Email request. The final report(s) is enclosed for the following sample(s): 4012-1F-AC-01A, 4012-1F-AC-02A, 4012-1F-AC-03A.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:
3 sample(s) in Good condition

SanAir Technologies Laboratory, Inc.

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SanAir ID Number
12015978
FINAL REPORT

Name: Alfred Benesch & Co.
Address: 825 J Street
Lincoln, NE 68508

Project Number: 00120137.00
P.O. Number:
Project Name: 4012 South 24th Street

Collected Date: 8/10/2012
Received Date: 8/14/2012 10:20:00 AM
Report Date: 8/15/2012 8:52:19 AM
Analyst: Childress, Susan

Asbestos Bulk EPA PLM 400 Point Count

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-1F-AC-01A / 12015978-001 Sprayed Acoustical Ceiling	Beige Non-Fibrous Homogeneous		99.25% Other	0.75% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-1F-AC-02A / 12015978-002 Sprayed Acoustical Ceiling	Beige Non-Fibrous Homogeneous		99.25% Other	0.75% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
4012-1F-AC-03A / 12015978-003 Sprayed Acoustical Ceiling	Beige Non-Fibrous Homogeneous		100% Other	< 0.25% Chrysotile

Certification

Signature: Susan L. Childress
Date: 8/15/2012

Reviewed:
Date: 8/15/2012

Disclaimer

The final report cannot be reproduced, except in full, without written authorization from SanAir. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample and information provided by the client. This report may not be used by the client to claim product endorsement by NVLAP, AIHA or any other agency of the U.S. government; *and may not be certified by every local, state and federal regulatory agencies.*

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Asbestos Chain of Custody

SanAir ID Number 1201547

Company: Alfred Benesch & Co.	Project #: 00120137.00	Collected by:
Address: 825 J Street	Project Name: 4012 South 24th. Street	Phone #: 402-479-2296
City, St., Zip: Lincoln, NE 68508	Date Collected: August 10, 2012	Fax #: 402-479-2276
State of Collection: NE Account#: 2077	P.O. Number:	Email: rprochaska@benesch.com

Bulk

ABB	PLM EPA 600/R-93/116	☑
	Positive Stop ☑	
ABEPA	PLM EPA 400 Point Count	☐
ABB1K	PLM EPA 1000 Point Count	☐
ABBEN	PLM EPA NOB	☐
ABBCH	TEM Chatfield	☐
ABBTM	TEM EPA NOB	☐

Air

ABA	PCM NIOSH 7400	☐
ABA-2	OSHA w/ TWA*	☐
ABTEM	TEM AHERA	☐
ABATN	TEM NIOSH 7402	☐
ABT2	TEM Level II	☐

Soil/Vermiculite

ABSE	PLM EPA 600/R-93/116 (Qual.)	☐
ABSP	PLM CARB 435 (LOD <1%)	☐
ABSP1	PLM CARB 435 (LOD 0.25%)	☐
ABSP2	PLM CARB 435 (LOD 0 1%)	☐

Water

ABHE	EPA 100.2	☐

New York ELAP

PLM NY	PLM EPA 600/M4-82-020	☐
ABEPA2	NY ELAP 198 1	☐
ABENY	NY ELAP 198.6 PLM NOB	☐
ABBNY	NY ELAP 198.4 TEM NOB	☐

Dust

ABWA	TEM Wipe ASTM D-6480	☐
ABDMV	TEM Microvac ASTM D-5755	☐

Other

Matrix		
		☐

Turn Around Times				
	3 HR (4 HR TEM) ☐	6 HR (8HR TEM) ☐	12 HR ☐	24 HR ■
	2 Days ☐	3 Days ☐	4 Days ☐	5 Days ☐

Special Instructions do positive stop on samples with **, do composite analysis on all drywall with taping compounds samples (DW)

Sample #	Sample Identification/Location	Volume or Area	Sample Type	Flow Rate*	Time* Start – Stop	
4012-1F-AC-01A **	sprayed acoustical ceiling					
4012-1F-AC-02A **	"					
4012-1F-AC-03A **	"					
4012-1F-DW-04B	drywall with taping compounds					
4012-2F-DW-05B	"					
4012-1F-DW-06B	"					
4012-1F-FT-07C	tan and red 9x9 floor tile and mastic (two layers)					
4012-2F-FT-08D	red 9x9 floor tile and mastic					
4012-1F-SF-09E	brown sheet floor					
4012-2F-SF-10F	yellow sheet floor					
4012-1F-CT-11G	2x4 lay-in ceiling tile					
4012-2F-DI-12H	duct insulation					

Relinquished by	Date	Time	Received by	Date	Time
	8-10-12	1700		AUG 13 2012	0900

Unless scheduled, the turn around time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time.
Work with standard turn around time sent Priority Overnight and Billed to Recipient will be charged a $10 shipping fee.

120584-7

Sample #	Sample Identification/Location	Sample Type	Flow Rate*	Time* Start – Stop	
4012-1F-CT-13I	1x1 ceiling tile				
4012-1F-PL-14J	hard-coat plaster ceilings and walls				
4012-1F-PL-15J	"				
4012-2F-PL-16J	"				
4012-1F-PL-17K	hard-coat plaster walls				
4012-1F-PL-18K	"				
4012-1F-PL-19K	"				
4012-1F-CB-20L	cement panel board				
4012-1F-CT-21M	16" x 32" ceiling tile				
4012-1F-CB-22N **	cement panel board				
4012-1F-CB-23N **	"				
4012-1F-CB-24N **	"				
4012-1F-SF-25O **	yellow sheet floor				
4012-1F-SF-26O **	"				
4012-1F-SF-27O **	"				
4012-1F-CT-28P	2x2 lay-in ceiling tile				
4012-2F-CT-29Q	2x4 lay-in ceiling tile				
4012-2F-FT-30R **	beige 12x12 floor tile and mastic				
4012-2F-FT-31R **	"				
4012-2F-FT-32R **	"				
4012-2F-FT-33S **	beige speckled 12x12 floor tile and mastic				
4012-2F-FT-34S**	"				
4012-2F-FT-35S**	"				
4012-2F-FT-36T	brown 12x12 floor tile and mastic				
4012-1F-FT-37T	brown 12x12 floor tile and mastic				
4012-1F-CT-38U	2x4 lay-in ceiling tile				
4012-1F-CT-39V	2x4 lay-in ceiling tile				
4012-1F-SF-40W	brown sheet floor				
4012-2F-DW-41X	drywall with taping compounds				
4012-2F-DW-42X	"				
4012-2F-DW-43X	"				

Special Instructions	do positive stop on samples with **, do composite analysis on all drywall with taping compounds samples (DW)

Relinquished by	Date	Time	Received by	Date	Time
	8-10-12	1700		AUG 13 2012	0950

Unless scheduled, the turn around time for all samples received after 3 pm Friday will begin at 8 am Monday morning.
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120158 47

Sample #	Sample Identification/Location	Sample Type	Flow Rate*	Time* Start – Stop	
4012-EX-ES-44Y	exterior stucco finish				
4012-EX-ES-45Y	"				
4012-EX-ES-46Y	"				

Special Instructions	do positive stop on samples with **, do composite analysis on all drywall with taping compounds samples (DW).

Relinquished by	Date	Time	Received by	Date	Time
	8-10-12	1700		AUG 13 2012	

Unless scheduled, the turn around time for all samples received after 3 pm Friday will begin at 8 am Monday morning.
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Work with standard turn around time sent Priority Overnight and Billed to Recipient will be charged a $10 shipping fee.