Rim View, LLC.
Voluntary Remediation Work Plan

For the
Idaho Linen Supply Site
in Boise, Idaho

June 2013

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LIST OF ACRONYMS AND ABBREVIATIONS

AA	Ambient Air
AST	Above Ground Storage Tank
Bgs	Below Ground Surface
Centra	Centra Consulting Inc.
COCs	Chemicals of Concern
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
GAC	Granulated Active Carbon
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
HI	Hazard Index
IA	Indoor Air
IDEQ	Idaho Department of Environmental Quality
IDTLs	Initial Default Target Levels
MDL	Method Detection Limit
MW	Monitoring Well
OSHA	Occupational Safety and Health Administration
PAH	Polynuclear Aromatic Hydrocardons
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethene
QAPP	Quality Assurance Project Plan
RATLs	Remedial Action Target Levels
RDL	Reporting Detection Limit
REC	Recognized Environmental Condition
REM	Risk Evaluation Manual
RE-1	Risk Evaluation 1
RE-2	Risk Evaluation 2
RSL	Regional Screening Levels
RV	Rim View, LLC.
Site	Idaho Linen Supply site
SVE	Soil Vapor Extraction
SVO	Soil Vapor Observation
TCE	Trichloroethene
URS	URS Corporation
VCP	Voluntary Cleanup Program
VOCs	Volatile Organic Compounds
VRWP	Voluntary Remediation Work Plan

1.0 INTRODUCTION

1.1 Purpose and Authorization

Centra Consulting Inc. (Centra) on behalf of Rim View, LLC. (RV) has prepared this Voluntary Remediation Work Plan (VRWP) for the former Idaho Linen Supply site (Site) located at 508 and 516 S. 8th St. Boise, Idaho. The Site is currently enrolled in the Idaho Department of Environmental Quality's (IDEQ) Voluntary Cleanup Program (VCP).

1.2 Scope of Work

The scope of work for this VRWP includes a summary of previous activities performed at the Site and a discussion of the proposed remedial action to meet the site-specific cleanup standards established for the Site. The Work Plan will include the following:

- Site characterization and assessment,
- Risk evaluation, including the establishment of cleanup objective and goals,
- Selection of the recommended remedial action, and
- Development of a statement of work, including schedule and deliverables for the recommended remedial action.

1.3 Report Structure

- **Section 1.0 Introduction** provides an overview and description of the purpose and scope of the VRWP.

- **Section 2.0 Background** includes a Site description and history, presentation of physical characteristics of the Site, and a summary of previous environmental site assessments (ESAs).

- **Section 3.0 Risk Evaluation** includes a discussion of current and future land use for the Site, identification of the contaminants of concern, and discussion of cleanup objectives and goals.

- **Section 4.0 Selection of Corrective Action** identifies and discusses the selected remedial action to address onsite soil impacts.

- **Section 5.0 Implementation of Corrective Actions** provides a brief summary of the system implementation goals including timeline and monitoring.

- **Section 6.0 Work Plan Completion Report** discusses the final task after remediation is complete.

- **Section 7.0 Health and Safety** discusses health and safety considerations to be applied in the Site Health and Safety Plan.

- **Section 8.0 References** provides references for reports and sources utilized in the VRWP.

2.0 BACKGROUND

2.1 Site Location and Description

The former Idaho Linen Supply facility is located in the southeast quarter of the northwest quarter of Section 10, Township 3 North, Range 2 West within the City of Boise and Ada County within the state of Idaho. The street address for the property is 508 and 516 S. 8th St., Boise, Idaho. The center of the Site is located at approximately 43°36'42.6" North and 116°12'24" West. A site map is presented in Figure 1. A Parcel map from the Ada County Assessor is presented in Figure 2.

The buildings located at 508 and 516 S. 8th St. are currently vacant. The eastern and western gravel and asphalt parking lot portions of the property are currently leased for surface parking. The southern side of the property serves as a concrete sidewalk. The northern portion of the property shares a building wall with 500 S. 8th St.

2.2 Site History

The Site was previously operated as a commercial laundry facility from the late 1920s to 2004 when laundry operations ceased. Previous reports regarding the property provided by IDEQ indicate dry cleaning services were offered at the property from 1955 to 1978. Previous to 1956/57, the current 516 S. 8th St. building was split into two separate buildings. See Figure 7 for building map. Then in 1956/57 the 512 S. 8th St. building which had operated as Morning Fresh Bakery, was combined with the 516 S. 8th St. building.

Previous reports regarding the property provided by IDEQ indicated that the dry cleaning operations at the Site used tetrachloroethene (PCE) as part of the cleaning process. The use of a property for dry cleaning operations was considered a recognized environmental condition (REC) in the Phase II ESA performed by URS Corporation (URS) in August of 2012. In addition, prior ESAs performed on the property and surrounding properties indicate the presence of volatile organic compounds (VOCs), including PCE, in onsite soil and groundwater and in offsite groundwater (Centra 2007, Terracon 2006a, Terracon 2006b).

2.3 Geology and Hydrology

The elevation of the Site is approximately 2692.20 feet above mean sea level. Topography of the Site is relatively flat with a slight slope to the southwest. "Sub-surface soil encountered was typically sand with silt to silty sand up to approximately 5 to 6 feet below ground surface underlain by a sandy gravel to the total depth of each boring where groundwater saturation was recorded, typically between 12 to 14 feet in depth" (URS, 2012). "In the alleyway east of the 516 S. 8th St. building, a sub-surface coal seam of varying thickness between 0.5 and 2.5 feet thick was observed in the majority of the exploratory soil borings" (URS, 2012).

The property is located within the eastern portion of the Boise River Valley. Othberg, (Emeritus Researcher, Idaho Geological Survey) describes the geology as follows: "The geologic history (Holocene and Pleistocene) of the eastern portion of the Boise River Valley includes crustal

rifting, basin filling, drainage capture, pervasive incision by rivers and eruption of lava flows. The shallow sub-surface also contains 100 to 500 feet of sedimentary Quaternary age alluvium that consists of inter-fingered and inter-layered sand, silt, clay, and gravel, all primarily deposited by the Boise River. These fluvial and lacustrine (river and lake) sediments generally coarsen toward the southeastern portion of the Boise River Valley. This shallow alluvium unconformably overlays the Quaternary-Tertiary age Idaho Group deposits which consist of several thousand feet of poorly consolidated clastic sediments and basaltic volcanic rock. At a depth of approximately 300 to 500 feet below ground surface, the region's principal water supply aquifer is contained within the Upper Idaho Group strata" (Othberg, 1994).

2.4 SITE CHARACTERIZATION

Since 2006 several ESAs have been prepared for the Site to help characterize environmental conditions. Complete analytical results from the previous ESAs are presented in Appendices A and B. Analytical results with values exceeding regulatory screening levels are presented in Tables 1 through 6. Following is a brief summary of each of the ESAs.

- July 2006: Terracon Consulting Engineers and Scientists (Terracon) Limited Phase I, (Terracon, 2006). This ESA recommended that additional investigation be conducted to determine if soil and groundwater on the Site had been affected by identified RECs. The following recommendations were also made in the 2006 Phase I ESA with regard to follow up activities at the Site:
    - Soil and groundwater sampling to evaluate potential contamination from the identified RECs,
    - Cleanup of the stained areas,
    - Drums should be removed and disposed of in accordance with local, state, and federal regulations (See Appendix C for Uniform Hazardous Waste Manifest),
    - If soils and groundwater on the Site are to be disturbed during future excavations, proper procedures should be followed with respect to worker health and safety, and any affected soil or groundwater encountered should be properly handled and disposed in accordance with local and state regulations. Additionally, future land use should be consistent with applicable state regulatory agency criteria,
    - The equipment, debris, and other materials observed throughout the buildings should be removed and disposed of in accordance with local, state, and federal regulations,
    - The contents of the unlabeled drums should be identified and disposed of in accordance with local, state, and federal regulations (See Appendix C for Uniform Hazardous Waste Manifest).
- November 2007: Centra Soils Remediation Report addresses issues brought up in the Terracon report. Issues include well abandonment on 8/15/2007 and collection of soil samples near the former above ground storage tank (AST) and dry cleaning unit.
- April 2007: Centra Consulting Inc. Soil and Groundwater Investigation, 2007 (Centra 2007). The work for this report was conducted to assess the extent of PCE contamination at five monitoring wells on the Site.

- Assessment work included drilling of three additional monitoring wells,
- Collection of four soil samples near the former AST based on photoionization detector (PID) field screening. Samples were analyzed by EMSL Laboratories in Westmont, NJ. Detection of PCE in the soil samples was limited to the three feet of soil directly adjacent to the location of the former AST,
- PCE was also detected in three of the groundwater monitoring wells. PCE levels exceeded current groundwater maximum contaminant level (MCL) of 5.0 µg/L in the groundwater sample from the Simplot Well. Full analytical results for the soil and groundwater investigation can be found in Appendix A.

The results of the Site investigation indicated that the former AST was the source of localized shallow soil contamination. Soils affected by PCE were most likely contaminated due to casual spillage during tank filling and hand transfer operations from the tank to dry cleaning equipment within the building.

- March 2012: Centra Consulting Inc. Limited Phase I, (Centra, 2012). This ESA provided an update of the Site, but did not identify any additional RECs. The RECs from the dry cleaning operation remains an RECs until IDEQ issues a "no further action" letter. Several areas of staining were observed on concrete floors from laundry cleaning supplies or petroleum products, but they did not coincide with joints or cracks in the concrete.
- August 2012: URS Limited Phase II, (URS, 2012). During the Phase II ESA, the following field activities occurred and recommendations were made. To assist in evaluating site conditions and the need for further assessment and/or corrective action URS used the Environmental Protection Agency (EPA) Regional Screening Levels (RSL) updated May 2012.
  - During fieldwork the following samples were collected:
    - 17 sub-surface soil samples from 9 exploratory soil borings and 3 monitoring wells.
    - 7 low-flow groundwater samples from 6 wells.
    - 4 soil vapor samples from 3 soil vapor points.
    - 7 sub-slab soil vapor samples from 7 new sub-slab soil vapor points.
    - 5 indoor air passive vapor samples from locations determined in the building. The sampling locations were determined by IDEQ and URS representatives.
    - 1 ambient air passive vapor sample taken at an upwind outside ambient air location determined by IDEQ and URS representatives.
  - The complete results for the Phase II sampling activities are presented in Appendix B.

Following is a brief discussion of sampling that occurred during the Phase II ESA. See Figure 4 for sampling locations.

- Soils

- In addition to VOCs, the soil sample from boring SB-5 was analyzed for PAHs and PCB compounds. PCB compounds were not detected in the sample and the only PAH compound detected (acenapthalene) was detected below the initial default target level (IDTL),
- VOCs were detected in all 17 soil samples collected,
- VOCs detected include acetone, benzene, chloroform, 1,2-dichlorobenzene, 1,4-dichlorobenzene, cis-1-2-dichloroethene, trans-1,2-dichloroethene, ethylbenzene, isopropylbenzene, p-isopropyltoluene, 2-butanone (methyl ethyl ketone), naphthalene, tetrachloroethene (PCE), toluene, trichloroethene (TCE), and 1,2,4-trimethylbenzene,
- The VOCs detected exceeding the corresponding IDTL include chloroform, cis-1,2-dichloroethene, PCE, and trichloroethene,
    - Chloroform was detected above the corresponding IDTL of 0.00564 mg/kg in soil samples from soil boring SB-1 at 1 foot bgs and soil boring SB-7 at 1.5 feet bgs,
    - Cis-1,2-dichloroethene was detected above the IDTL of 0.193 mg/kg in four of the borings for a total of six of the soil samples collected. Detections of cis-1,2-dichloroethene exceeding the IDTL range from 0.21 mg/kg in a soil sample from soil boring SB-10 at 2 feet bgs to 51 mg/kg in a soil sample from soil boring SB-7 at 1.5 feet bgs. Other borings where cis-1,2-dichloroethene detections in soil samples exceed the IDTL include monitoring well MW-4 at 2 feet bgs and soil boring SB-1 at 1 foot bgs,
    - PCE was detected above the corresponding IDTL of 0.0288 mg/kg in soil samples from 7 of the borings and 11 of the soil samples collected. PCE detections in soil samples ranged from 0.045 mg/kg in a soil sample from soil boring SB-2 at 2 feet bgs to 2,300 mg/kg in a soil sample from soil boring SB-7 at 1.5 feet bgs. Other borings with PCE detections in soil samples exceeding the IDTL include monitoring well MW-4 at 2 feet bgs, soil boring SB-1 at 1 and 4.5 feet bgs, soil boring SB-3 at 2 and 4 feet bgs, soil boring SB-8 at 1 foot bgs and soil boring SB-10 at 2 feet bgs,
    - TCE was detected above the corresponding IDTL of 0.00288 mg/kg in soil samples from 7 of the borings and 10 of the soil samples collected. TCE detections exceeding the IDTL ranged from 0.0038 mg/kg in soil boring SB-3 at 2 feet bgs to 84 mg/kg in soil boring SB-7 at 1.5 feet bgs. Other borings with TCE soil sample detections exceeding the IDTL include monitoring well MW-4 at 2 feet bgs, soil boring SB-1 at 1 and 4.5 feet bgs, soil boring SB-2 at 2 feet bgs, soil boring SB-8 at 1 foot bgs and soil boring SB-10 at 2 feet bgs.

- Low-flow groundwater sampling results
    - VOCs were detected in all six of the groundwater wells sampled,

- VOCs detected in the groundwater well samples included cis-1,2-dichloroethene, PCE, toluene, trichloroethene, and trichlorofluromethane,
- The VOC compound PCE was the only compound detected above the IDTL of 0.005 mg/L in monitoring wells MW-4 was 0.0085 mg/L.
- The VOC compound TCE was detected above the proposed site remedial action target levels (RATLs).

- Soil Vapor
  - VOCs were detected in each of the four soil vapor samples collected. Soil vapor detected VOCs included chloroform, cis-1-2-dichloroethene, Freon 11, PCE, trans-1-2-dichloroethene, and TCE. Chloroform, PCE, and TCE were the only VOCs detected above the corresponding 100 times the Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) for industrial ambient air.
    - PCE detections ranged from 14,000 μg/m^3 to 230,000 μg/m^3 and exceed the corresponding 100 times EPA RSL for industrial air of 4,700 μg/m^3 in all four soil vapor samples collected. The highest level of 230,000 μg/m^3 was detected in soil vapor point SV-1 at 4 to 5 feet bgs. The PCE detection at 9 to 10 feet bgs in SV-1 was lower at 88,000 μg/m^3. PCE was detected at 14,000 μg/m^3 at 4 to 5 feet bgs soil vapor point SV-2.
    - Chloroform was detected in two of the four soil vapor samples collected. Both detections exceed the 100 times EPA RSL for industrial air of 53 μg/m^3. Chloroform was detected in soil vapor point SV-1 at 9 to 10 feet bgs at 650 μg/m^3 and soil vapor point SV-2 at 4 to 5 feet bgs at 840 μg/m^3.
    - Trichloroethene detections ranged from 810 μg/m^3 in SV-2 at 4 to 5 feet bgs to 15,000 μg/m^3 in SV-1 at 4 to 5 feet bgs. All detections of TCE in soil vapor exceed the 100 times EPA RSL for industrial air of 300 μg/m^3.
- Sub-slab Soil Vapor
  - VOCs were detected in each of the seven sub-slab soil vapor samples. Sub-slab soil vapor VOCs detected included 1,3-butadiene, 2-butanone (methyl ethyl ketone), acetone, benzene, carbon disulfide, chloroform, cis-1-2-dichloroethene, cyclohexane, hexane, m,p-xylene, Freon 11, PCE, toluene, and TCE. Sub-slab soil vapor VOCs were detected at levels exceeding 10 X the EPA RSLs for industrial air in all seven sub-slab soil vapor samples collected. 1,3-budadiene, chloroform, PCE, and TCE were the only VOCs detected above the corresponding 10 times EPA RSL for industrial air.
    - 1,3-butadiene was detected above its corresponding 10 times EPA RSL of 4.1 μg/m^3 in point SSV-2 at 180 μg/m^3. This sub-slab soil vapor point was installed through the concrete slab in the 516 S. 8th St. building where an area of oil staining was observed on the concrete.

- PCE detections ranged from 2,400 µg/m^3 to 44,000 µg/m^3 and exceed the corresponding 10 times EPA RSL for industrial air of 470 µg/m^3 in all seven sub-slab soil vapor samples collected. The highest level was detected in SSV-5 located in the tool room of the 516 S. 8th St. building.
- Chloroform was detected in three of the seven sub-slab soil vapor samples collected. All three detections exceed the 10 times EPA RSL for industrial air of 5.3 µg/m^3. Chloroform was detected in SSV-3 at 1,600 µg/m^3, SSV-5 at 240 µg/m^3, and SSV-7 at 110 µg/m^3.
- TCE was detected in six sub-slab vapor sampling points. These detections exceeded the 10 times EPA RSL for industrial air of 30 µg/m^3 at five sample locations. Detections ranged from 18 µg/m^3 in SSV-6 to 1,600 µg/m^3 in SSV-5.

- Indoor air (IA) and ambient air (AA)
  - VOCs were detected in each of the five IA and one of the AA samples. IA and AA VOCs detected included 1,1,1-trichloroethane, 1,1-dichloroethene, 1,2-dichloroethane, 2-butanone (methyl ethyl ketone), acetone, benzene, carbon tetrachloride, cis 1-2-dichloroethene, cyclohexane, ethylbenzene, heptane, hexane, m,p-xylene, o-xylene, methylene chloride, PCE, toluene, trans-1-2-dichloroethene and TCE.
  - No AA or IA samples had VOC detections exceeding the corresponding EPA RSL for industrial air based on the blank adjusted results reported by the laboratory.
  - No AA samples had VOC detections exceeding the EPA RSLS for industrial and residential air.
  - However, there were IA detections of the VOCs benzene and ethylbenzene that exceed the corresponding EPA RSL for residential air.
    - Benzene detections ranged from 0.7 µg/m^3 to 1.3 µg/m^3 and exceed the corresponding EPA RSL (EPA, May 2012) for residential ambient air of 0.31 µg/m^3 in all five of the IA samples collected. The highest level of 1.3 µg/m^3 was detected in the sample IA collected from the basement of the 508 S. 8th St. building.
    - Ethylbenzene detections ranged from 1.0 µg/m^3 to 1.8 µg/m^3 and exceed the corresponding EPA RSL for residential ambient air of 0.97 µg/m^3 in all five IA samples collected. The highest level of 1.8 µg/m^3 was detected in the IA sample collected from the basement of the 508 S. 8th St. building.

- Given the results from the groundwater, soil vapor, and indoor air sampling performed during this and previous environmental site assessment fieldwork at the site, URS recommended:

- Shallow soil with detections of VOCs exceeding corresponding IDTLs in the alleyway east of the 516 S. 8th St. building appears to be a source of VOC contamination and should be remediated to levels protective of the direct contact pathway for respective COCs in shallow soils.

Soil vapor and sub-slab soil vapor VOC detections below the 516 S. 8th St. building are above EPA RSLs for industrial air. Remediation techniques to remove elevated levels of soil vapor from beneath the sub-slab of the structures should be evaluated. Additional indoor and ambient air sampling events should be done to evaluate potential seasonal variations that could affect results. Additional multiple groundwater sampling events should be conducted in order to determine if there is seasonal variability that could affect results.

3.0 RISK EVALUATION

3.1 Land Use

As stated previously, the Site was formerly used as laundry facility from the 1920s to 2004, with onsite dry cleaning operations until 1978. The dry cleaning process used a dry cleaning solvent containing PCE, which was stored in an AST onsite. The facility has been vacant since 2004 with the exception of the parking areas outside the building which have been leased.

The site is currently zoned as commercial and listed as "vacant". The parcel numbers for this location is R1749100851 and R1749100863 can be found on the Ada County Assessor's website under land records/GIS. Its zone code is C-5DDC. The future land use for the Site is currently unknown but the remedial goal established for the cleanup is to permit future residential use of the site.

3.2 Impacted Media

Based on results from 2012 Site investigation activities, the impacted media of concern includes the following:

- Surficial soil
- Sub-surface soil
- Groundwater
- Soil vapor
- Indoor and ambient air

3.3 Potential Receptors

For the purpose of the risk evaluation, the following potential receptors have been identified for current and future land use:

- Onsite:
  - Residents – children
  - Residents – age adjusted adults
  - Non-residential workers
  - Construction workers
- Offsite:
  - Residents – children

- Residents – age adjusted adults
- Non-residential workers

3.4 Exposure Pathways

The following exposure pathways were taken into account for the risk evaluation:

- Inhalation, dermal contact, and ingestion of surficial soils,
- Leaching to groundwater from surficial and sub-surface soil impacts, and
- Inhalation of soil vapors from volatilization of contaminants in soils and groundwater.

3.5 Site Risk Evaluation

After a screening evaluation was performed on the Site, it was found that COCs concentrations did exceed the residential screening levels.

3.6 Remedial Action Target Levels

The project RATLs were determined from multiple sources. See Tables 3.6.1 for project RATLs. See Table 7 and 8 for COC RATL test methods and sources.

Table 3.6.1: Remedial Action Target Levels

Chemicals of Concern	RATLs			
	Ground Water	**EPA RSL Residential Air**	**Sub-Slab Soil Vapor (EPA RSL Residential 10 x for SSV)**	**Soil Vapor (EPA RSL Residential 10 x for SV)**
	Allowable groundwater concentration protective of POE	Indoor inhalation of vapor emissions	Indoor inhalation of vapor emissions	Indoor inhalation of vapor emissions
	µg/L	µg/m^3	µg/m^3	µg/m^3
Cis-1,2-dichloroethene	70			
Chloroform	1.8	0.11	1.10	1.10
Benzene	5	0.31	3.10	3.10
Ethylbeneze	700	0.97	9.70	9.70
Naphthalene	730	0.072	0.72	0.72
1,3-Butadiene	0.02	0.081	0.81	0.81
Tetrachloroethene	5	9.4	94.00	94.00
Trichloroethene	0.44	0.43	4.30	4.30

Note: There is no air EPA RSL for cis-1,2-dichloroethene.

Attenuation factors were used to determine the sub-slab soil vapor residential RSLs and the soil vapor residential RSLs. The attenuation factor was multiplied by the ambient air EPA residential RSL for each chemical of concern. The recommended attenuation factors provided by the EPA were intended to generally capture a reasonable worst-case scenario setting. The EPA's *Superfund Vapor Intrusion FAQs,* February 2012 recommended attenuation factors are:

Attenuation $Factor_{sg}$ (AF_{sg})(soil gas to indoor air) = 0.1

AF_{ss} (sub-slab to indoor air) = 0.1

In the URS Phase II ESA, an attenuation factor of 0.01 was used to determine the soil gas residential RSLs. A source for this attenuation factor could not be found in the URS report. Therefore, an attenuation factor of 0.1 was used with the above stated source.

4.0 SELECTION OF CORRECTIVE ACTION

4.1 Soil Vapor Extraction

Soil vapor extraction (SVE) is the selected remedial action for sub-surface soil vapors at the Site. A SVE system with a regenerative blower will be connected to SVE wells constructed in the vadose zone. The regenerative blower will apply vacuum through the SVE wells to remove soil vapors from the contaminated soil. The SVE system removes soil vapors by accelerating volatilization of the VOCs from the vadose zone before being removed. In order to comply with IDEQ air emission requirements, granulated active carbon (GAC) will likely be used to treat the extracted soil vapor, unless pilot test results indicate treatment is not necessary. The use of SVE technology will address the soil and soil vapor impacts at both the 508 and 516 S. 8th St. buildings. By removing the source of contaminants within the site soil, COC groundwater concentrations will be lowered to levels below site RATLs.

Prior to installation of the full-scale SVE system, a SVE pilot test will be conducted to evaluate contaminant removal rates and the distribution of airflow within the contaminated area. From the pilot test results, the final SVE design parameters can be determined. The goal of the pilot test is to determine how much vacuum and flow rate will be required to generate a zone of influence that encompasses the entire contaminated area (508 and 516 S. 8th St. buildings). For the SVE pilot test, it is anticipated that two vertical SVE wells will be drilled and all existing soil vapor observation (SVO) wells will be used to collect samples. If it is determined that the location and construction of the existing SVO wells are not adequate, new SVO wells will be constructed in locations where vacuum data collection will be most beneficial. See Figure 4 for proposed and existing SVE and SVO well locations. One SVE well will be drilled inside the building to collect data that is influenced by a concrete cap. The second SVE well will be drilled outside of the building to collect data that is not affected by a concrete cap. The information obtained by running the pilot test under both conditions will help design a more efficient final SVE system.

During final SVE system design many variables will be considered in the construction and location of all existing and any additional SVO wells such as: the construction details of the existing points (sub-slab versus deep), presence of concrete slab effects, foundation footings, and how the bare earth crawl spaces affect interpretation of the vacuums measured.

See Figure 4 for conceptual location of SVE wells and target zone of influence in the buildings.

Based on the vacuum results measured during the pilot test, the SVE system design will be refined to adequately address the impacted soil. Refinement of the design will include the size of the blower needed to achieve the required flow rate and vacuum. It will also determine the radius of influence which will determine the spacing and number of additional soil vapor extraction points required if any. It is anticipated that the final SVE system design will be a horizontal SVE system due to the shallow area of the contaminated zone.

Before excavation for the final SVE system, Centra will test the building's indoor air, soil, groundwater, and soil vapor to confirm contamination and attempt to localize the COCs. Remediation of groundwater is not anticipated at this time.

4.2 Soil Excavation

After the pilot test is complete, Rim View proposes to excavate surficial and subsurface soils in areas where COC's are known to exceed applicable regulatory levels to mitigate risks related to surficial and subsurface soil contamination. This will also allow for the installation of the piping for the final SVE system. The highest frequency of COCs exceeding regulatory levels is found in the gravel area on the east side of the 516 S. 8th Street building. It is anticipated that the soil excavated for the final SVE system will be removed and profiled to determine the necessary disposal location. See Figure 4 for soil excavation extents. The area of soil to be removed will be approximately 40 feet long by 10 feet wide by 3 feet deep. The soil excavation will remove the highly contaminated soils and allow for the installation of the final SVE system. The excavation will be performed with a backhoe or other excavation device. Soil sampling will be conducted in accordance with the approved project Quality Assurance Project Plan (QAPP). The soils will be tested for VOCs by EPA method 8260B.

After the excavation process is complete, the SVE system will be installed according to specifications guided by the pilot test. The soil will then be backfilled with clean imported soil and capped with asphalt. See Figure 4 for asphalt cap extents. The clean backfill will be tested before being put into the excavated area to prevent additional contamination. Further sampling will be conducted after the clean backfill is added on soil vapor and groundwater to confirm the effectiveness of the remedial actions.

5.0 IMPLEMENTATION OF CORRECTIVE ACTION

SVE system has been identified as the alternative that can best achieve the RATLs developed for this Site. This section presents a general overview work plan for implementing this technology, a report detailing the results of the SVE pilot test and proposed full-scale SVE implementation will be submitted to the IDEQ for approval prior to implementation.

5.1 Remediation Standards

The remediation standards established for the correction plan are the RATLs specified in Table 3.6.1 for soil vapor, indoor air, and groundwater. The dominant route of exposure is through indoor inhalation of vapor emissions. The point of compliance where remediation standards will be achieved is the entire property for the soil vapor and indoor air levels. The points of

compliance where remediation standards will be achieved for groundwater are the property boundaries.

5.2 Soil Vapor Extraction System Construction

No construction will begin onsite until the public comment period has ended, the necessary permits have been obtained, and all regulatory approvals (including the remediation workplan, air emissions permit, and a QAPP guiding remediation data collection) have been granted.

5.3 Timeline

An estimated timeline for the work to be completed at the Site is included in Figure 6. The schedule is tentative and several uncertainties could cause adjustments in the timeline including: availability of materials, regulatory review, permitting, and weather. See Table 9 for a list of all required additional documentation and timeline.

5.4 Implementation of SVE Pilot Test

All remediation activity such as data collection, testing, and monitoring will be conducted according to the approved project QAPP. Prior to installation of the full SVE system, a pilot test will be run at the 516 S. 8th St. building. A vertical extraction well will be drilled inside and outside the building. See Figure 3 for a pilot test setup schematic. The test will be monitored at all soil observation wells that are already present inside and outside the building depending on SVO well location and construction. If it is determined that the location and construction of the existing SVO wells are not adequate, new SVO wells will be constructed in locations where vacuum data collection will be most beneficial. See Figure 4 for preliminary SVO and SVE well locations.

Step tests will be conducted during the SVE pilot test. A step test provides important design information by identifying the relationship between the applied vacuum and the resulting flow from an extraction well. Step tests are used for estimating vent capacities and system curves. The step test will be performed by starting the system at the minimum flow rate and increasing the flow stepwise, taking the vacuum measurements at the measurement points during each step.

The SVE pilot test will consist of three step tests performed by incrementally closing the air valve to determine the changes in radius of influence at different flow rates and applied vacuums. Each test will run until a minimum of three successive readings taken 1 hour apart are obtained showing no significant change in operation conditions. Baseline pressure measurements will be collected at the extraction wells and soil observation wells prior to initiation of the pilot test and between step tests. During the step tests, vacuum measurements will be taken at 15 minute intervals at the extraction points and vacuum monitoring points.

Monitoring of the SVE pilot test system's stack effluent will be performed in order to demonstrate compliance with the established air emissions requirements. If treatment is determined to be necessary, mitigation in the case of breakthrough will be considered.

5.5 Implementation of Soil Excavation

Prior to installation of the final SVE system, soil will need to be excavated and removed before being replaced with clean backfill. Prior to removal from the Site, all excavated soils will be profiled to determine the proper disposal location. It is anticipated that the contaminated soil will be a hazardous waste and will have to be disposed of at an EPA approved facility for hazardous waste. The clean backfill will then be sampled to confirm there is no addition of old or new contaminants to the Site. The soil excavation will remove the existing highly contaminated soils and allow for the installation of the final SVE system. Once the backfill has been sampled and approved, it will be used to fill in the excavated area to grade after the final SVE system has been installed. The final task of the soil excavation will be the placement of an asphalt cap.

5.6 Implementation of SVE System

The full SVE system will be primarily located in the areas of greatest COC concentration both inside and outside the existing buildings. Soil will need to be excavated and removed for SVE system installation. Once the SVE system piping is installed, tested clean backfill will be used to fill in the excavated areas to grade. Then an asphalt cap will be placed over all specified gravel surfaces. The SVE system will draw air from the vadose zone through the extraction wells and into an installed blower inside the building. A knock out tank will be installed in front of the blower to prevent any water damage.

5.7 Monitoring

Following the SVE system installation and prior to startup, a full round of baseline monitoring will be performed. Groundwater samples will be collected from all onsite monitoring wells (MWs). Soil vapor samples will be collected from the SVO and SVE wells. Indoor air samples will be taken at specified locations in the 508 and 516 S. 8th St. buildings. All site sampling will be conducted as described in the approved project QAPP.

All onsite MWs will be sampled during baseline monitoring. See Figure 8 for groundwater contour map. Site groundwater flows from the southeast side of the property to the north side of the property. The groundwater COC concentrations can be determined as the water enters the property by MW- 4. The groundwater COC concentrations can be determined as the water leaves the property by MW-2. With this information, it is possible to compare the different monitoring well's COC concentrations to determine the quantity of COCs being contributed to the groundwater by the Site.

Upon SVE system startup, air samples from the SVE system's influent will be collected to determine baseline system performance. In addition, monitoring of the SVE system's stack effluent will be performed in order to determine progress of remediation and to ensure compliance with any discharge limits that may be imposed. An initial startup report will be submitted to the IDEQ following the system installation; this report will also include results of the baseline monitoring event.

Monitoring frequency will initially be quarterly for groundwater and soil gas sampling. The sampling events will initially include a full round of soil vapor sample collection from all existing SVO and SVE wells. Air samples from the SVE system's influent and between the GAC vessels, if necessary, will be collected to determine system performance. Indoor air sampling will also take place inside the 508 and 516 S. 8th St. buildings with a quarterly monitoring frequency.

A detailed monitoring plan will be submitted with the outline for the full-scale SVE system implementation. See Table 10 for a preliminary system monitoring plan. Coinciding with the established monitoring events, quarterly monitoring reports will be submitted to the IDEQ, which will include a summary and discussion of analytical results and progress toward the RATLs.

6.0 WORK PLAN COMPLETION REPORT

Upon completion of all specified remediation tasks, Rim View will prepare a work plan completion report, per the requirements of IDAPA 58.01.18.024.04. The completion report will present and contain all information required to demonstrate that the objectives of this work plan have been successfully achieved and implemented, and will include a request for issuance of a certificate of completion from IDEQ. After the certificate of completion is received, Rim View will request IDEQ to negotiate and provide a covenant not to sue.

Information that will be presented within the completion report will include:

- Copies of lab sheets for all analytical work generated from all onsite sampling;
- Copies of all reporting and recordkeeping proposed as part of the Quality Assurance Project Plan;
- Truck manifests for all excavated materials taken offsite for disposal;
- Documentation and/or analytical analysis for all fill materials brought onsite;
- Any other information required by IDEQ.

7.0 HEALTH AND SAFETY

All contractor personnel completing the work must have a Certification of Occupational Safety and Health Administration (OSHA) 40-hour Hazardous Waste Operations and Emergency response (HAZWOPER) training that satisfies OSHA requirements under CFR 1910.120, including 8-hour refresher training certificates. A Site Health and Safety Plan (HASP) will be prepared in compliance with CFR 1910.120, and contractor's onsite personnel will be required to review, sign, and date the HASP prior to the commencement of any work.

8.0 REFERENCES

Centra, 2007. Soil and Groundwater Investigation Results, Idaho linen Supply, West Fulton and S. 8th Streets, Boise, ID 83702. Prepared for the Idaho Department of Environmental Quality. April 2007.

Centra, 2012. *Phase 1 Environmental Site Assessment, Idaho Linen Supply, 500, 508, and 516 S 8th Street, Boise, Idaho.* March 2012. Idaho Department of Environmental Quality. July 2004. *Idaho Risk Evaluation Manual.*

Idaho Department of Environmental Quality. May 2012. *Standards and Procedures for Application of Risk Based Corrective Action at Petroleum Release Sites. IDAPA 58.010.24.*

Idaho Department of Environmental Quality. February 2012. *Superfund Vapor Intrusion FAQs.* http://www.epa.gov/superfund/sites/npl/Vapor_Intrusion_FAQs_Feb2012.pdf.

Othberg, 1994. *Geology and Geomorphology of the Boise Valley and Adjoining Areas. Western Snake River Plain, Boise, Idaho.*

Terracon, 2006. *Phase I Environmental Site Assessment, Idaho Linen Supply, Fulton Street at 8th Street, Boise, Idaho.* Prepared by Terracon Consultants Inc. for Centra Consulting Inc. July 13, 2006

URS, 2012. *Limited Environmental Site Assessment Report, Environmental Site Assessment Activities Associated with the Former Idaho Linen Property Located at 508 and 516 S. 8th Street, Boise, Idaho.* Prepared for the Idaho Department of Environmental Quality. August 2012.

U.S. Environmental Protection Agency Region 6. Regional Screening Levels Summary Table November 2012. http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/pdf/master_sl_table_run_NOV2012.pdf.

U.S. Environmental Protection Agency Region 10.December 13, 2012. *OEA Recommendations Regarding Trichloroethylene Toxicity in Human Health Risk Assessments.*

TABLES

Table 1 - Centra Soil VOC Results Exceeding IDTLs				
COC	Sample Location	Sample Depth (FT bgs)	Concentration (µg/kg)	IDTL (µg/kg)
cis-1,2-Dichloroethene	MW-1	1	1,200	193
TCE	MW-1	1	8,400	2.88
PCE	MW-1	1	90,000	28.8
Napthalene	MW-1	1	1,300	1,140

Table 2 - Centra Groundwater VOC Results			
COC	**Sample Location**	**Concentration (µg/l)**	**IDTL (µg/l)**
PCE	MW-1	5.3	5
PCE	MW-1-D	4.6	5
PCE	Simplot	11	5

These results indicate that at the sample location MW-1, PCE concentrations in groundwater averaged 4.95 ug/l. This value is below the IDEQ IDTL

Table 3 - Phase II Soil VOC Results Exceeding IDTLs					
COC	Sample Location	Sample Depth (FT bgs)	Concentration (mg/kg)	IDTL (mg/kg)	EPA Industrial RSL (mg/kg)
Chloroform	SB-1	1	0.0067	0.00564	1.5
Chloroform	S-7	1.5	**0.008**	0.00564	1.5
cis-1,2-dichloroethene	MW-4	2	39	0.193	10000
cis-1,2-dichloroethene	SB-1	1	3.5	0.193	10000
cis-1,2-dichloroethene	SB-1-D	1	4.8	0.193	10000
cis-1,2-dichloroethene	SB-7	1.5	**51**	0.193	10000
cis-1,2-dichloroethene	SB-10	2	0.21	0.193	10000
cis-1,2-dichloroethene	SB-10-D	2	0.38	0.193	10000
PCE	MW-4	2	280	0.0288	2.7
PCE	SB-1	1	220	0.0288	2.7
PCE	SB-1-D	1	560	0.0288	2.7
PCE	SB-1	4.5	1	0.0288	2.7
PCE	SB-2	2	0.045	0.0288	2.7
PCE	SB-3	2	130	0.0288	2.7
PCE	SB-3	4	0.064	0.0288	2.7
PCE	SB-7	1.5	**2,300**	0.0288	2.7
PCE	SB-8	1	160	0.0288	2.7
PCE	SB-10	2	720	0.0288	2.7
PCE	SB-10-D	2	1,100	0.0288	2.7
TCE	MW-4	2	62	0.00288	14
TCE	SB-1	1	9.7	0.00288	14
TCE	SB-1-D	1	22	0.00288	14
TCE	SB-1	4.5	0.027	0.00288	14
TCE	SB-2	2	0.0043	0.00288	14
TCE	SB-3	2	0.0038	0.00288	14
TCE	SB-7	1.5	**84**	0.00288	14
TCE	SB-8	1	4.5	0.00288	14
TCE	SB-10	2	8	0.00288	14
TCE	SB-10-D	2	9.8	0.00288	14

Table 4 - Phase II Groundwater VOC Results Exceeding IDTLs			
COC	**Sample Location**	**Concentration (mg/l)**	**IDTL (mg/l)**
PCE	MW-4	0.0085	0.005

Table 5 - Phase II Sub-Slab Soil Vapor VOC Results Exceeding IDTLs			
COC	**Sample Location**	**Concentration ($\mu g/m^3$)**	**EPA RSL Industrial (10 X for SSV) ($\mu g/m^3$)**
1,3-Butadiene	SSV-2	180	4.1
Chloroform	SSV-3	1,600	5.3
Chloroform	SSV-5	240	5.3
Chloroform	SSV-7	110	5.3
PCE	SSV-1	3,500	470
PCE	SSV-2	8,300	470
PCE	SSV-3	31,000	470
PCE	SSV-4	13,000	470
PCE	SSV-5	44,000	470
PCE	SSV-6	2,400	470
PCE	SSV-7	16,000	470
TCE	SSV-2	55	30
TCE	SSV-3	1,500	30
TCE	SSV-4	1,100	30
TCE	SSV-5	1,600	30
TCE	SSV-7	360	30

Table 6 - Phase II Soil Vapor VOC Results Exceeding IDTLs				
COC	**Sample Location**	**Sample Depth (FT bgs)**	**Concentration ($\mu g/m^3$)**	**EPA RSL Industrial (100 X for SV) ($\mu g/m^3$)**
Chloroform	SV-1	10	650	53
Chloroform	SV-2	5	**840**	53
PCE	SV-1	5	220,000	470
PCE	SV-1-D	5	**230,000**	470
PCE	SV-1	10	88,000	470
PCE	SV-2	5	14,000	470
TCE	SV-1	5	14,000	300
TCE	SV-1-D	5	**15,000**	300
TCE	SV-1	10	6,300	300
TCE	SV-2	5	810	300

Table 7 - Site Remedial Action Target Levels and Lab Testing Methods

COC	RATLS	ESC Limits				
	Air	RDL	MDL	Method	RDL	Method
	µg/m3	ppb	ppb		µg/m3	
cis-1,2-Dichloroethene	-	0.2	0.0477	TO-15 Air	0.079	TO-15 SIM Air
Chloroform	0.11[A]	0.2	0.0507	TO-15 Air	0.097	TO-15 SIM Air
Benzene	0.31[A]	0.2	0.0570	TO-15 Air	0.064	TO-15 SIM Air
Ethylbenzene	0.97[A]	0.2	0.0789	TO-15 Air	0.13	TO-15 SIM Air
Napthalene	0.072[A]	0.63	0.0705	TO-15 Air	0.0005	TO-17 VI Air
1,3-Butadiene	0.081[A]	2	0.0434	TO-15 Air	0.0022	TO-17 VI Air
Tetrachloroethene	9.4[A]	0.2	0.0508	TO-15 Air	0.14	TO-15 SIM Air
Trichloroethene	0.43[A]	0.2	0.0591	TO-15 Air	0.11	TO-15 SIM Air

COC	RATLS	ESC Limits		
	GW	RDL	MDL	Method
	µg/L	ppb	ppb	
cis-1,2-Dichloroethene	70[A]	0.5	0.0933	8260B
Chloroform	1.8[B]	0.5	0.0860	8260B
Benzene	5[A]	0.5	0.0896	8260B
Ethylbenzene	700[A]	0.5	0.1580	8260B
Napthalene	730[C]	0.5	0.1740	8260B
1,3-Butadiene	0.02[A*]	2.0	0.0330	8260B
Tetrachloroethene	5[A]	0.5	0.1990	8260B
Trichloroethene	0.44[D*]	0.5	0.1530	8260B

[A] EPA RSL

[B] IDTL

[C] Table 2 of Petro REM guidance

[D] EPA Region 10 Memorandum Dec 13, 2012

* Analyte will be tested at another lab to verify concentration levels are below RATL

Yellow highlighted cells have RATLs below RDL and above MDL.

Green highlighted cells have RATLs below MDL.

Table 8
Remedial Action Target Level Sources

Chemicals of Concern	Residential Air	Sub-Slab Soil Vapor	Soil Vapor	Source
	µg/m^3	µg/m^3	µg/m^3	
cis-1,2-Dichloroethene	-	-	-	
Chloroform	0.11	1.10	1.10	EPA Residential RSL
Benzene	0.31	3.10	3.10	EPA Residential RSL
Ethylbeneze	0.97	9.70	9.70	EPA Residential RSL
Naphthalene	0.072	0.72	0.72	EPA Residential RSL
1,3-Butadiene	0.081	0.81	0.81	EPA Residential RSL
Tetrachloroethene	9.40	94.00	94.00	EPA Residential RSL
Trichloroethene	0.43	4.30	4.30	EPA Residential RSL

Chemicals of Concern	Ground Water	Source
	µg/L	
cis-1,2-Dichloroethene	70	EPA Residential RSL
Chloroform	1.8	IDTL
Benzene	5	EPA Residential RSL
Ethylbeneze	700	EPA Residential RSL
Naphthalene	730	EPA 58.01.24 Standards and Procedures for Application of Risk Based Corrective Action at Petroleum Release Sites
1,3-Butadiene	0.02	EPA Residential RSL
Tetrachloroethene	5	EPA Residential RSL
Trichloroethene	0.44	EPA Region 10 Memorandum Dec 13,2012

Table 9
Idaho Linen Supply Required Documents and Timeline

Required Documentation	Timeline
Voluntary Remediation Work Plan	June
Quality Assurance Project Plan	June
Pilot Test Work Plan	June
Health and Safety Plan	June
Final SVE System Work Plan	July
Initial Startup Report	July
Monitoring Plan	July
Progress Reports	Quarterly throughout remediation duration
Work Completion Plan	Project Completion

Table 10
Preliminary System Monitoring Plan

Phase	Monitoring Frequency	Monitor Location	Monitor	Methods
Start-up (7-10 days)	Daily	Extraction Vents	Vacuum/Vapor Concentrations	Magnehelic/TO-15, TO-15 SIM, TO-17 VI
		Manifold	Vacuum	Magnehelic
		Effluent Stack	Flow/Vapor Concentrations	Hot Wire Anemometer/TO-15, TO-15 SIM, TO-17 VI
	Once at Pilot Test Startup	Monitoring Well-2	COC Concentrations	8260B
	Once at Pilot Test Startup	Monitoring Well-4	COC Concentrations	8260B
	Once at Pilot Test Startup and Prior to Pilot Test Shutdown	Indoor Air in 508 and 516 S. 8th Street	Vapor Concentrations	TO-15, TO-15 SIM, TO-17 VI
Remedial (ongoing)	Quarterly	Extraction Vents	Vacuum/Vapor Concentrations	Magnehelic/TO-15, TO-15 SIM, TO-17 VI
		Manifold	Vacuum	Magnehelic
		Effluent Stack	Flow/Vapor Concentrations	Hot Wire Anemometer/TO-15, TO-15 SIM, TO-17 VI
		Monitoring Well-2	COC Concentrations	8260B
		Monitoring Well-4	COC Concentrations	8260B
		Indoor Air in 508 and 516 S. 8th Street	Vapor Concentrations	TO-15, TO-15 SIM, TO-17 VI

FIGURES

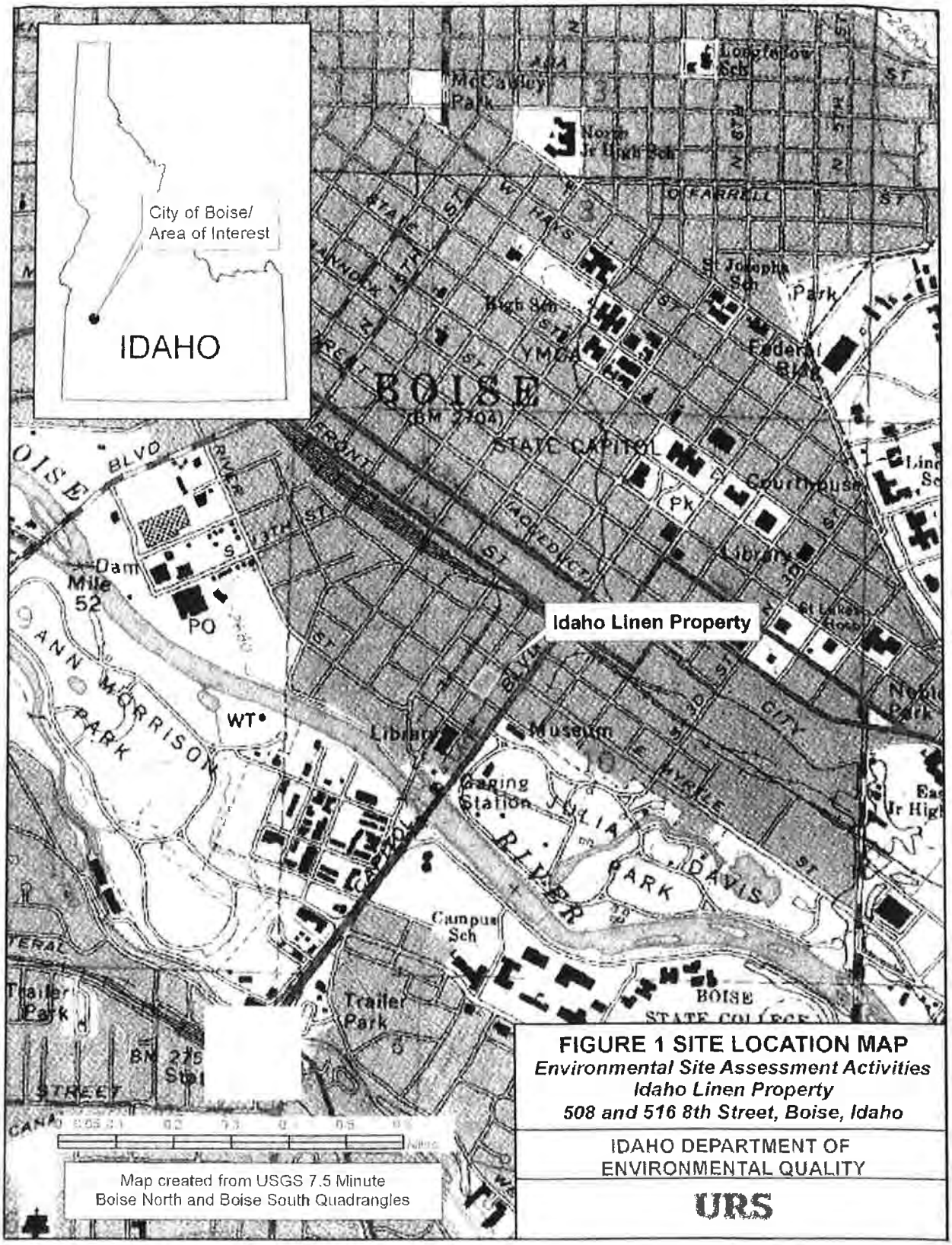
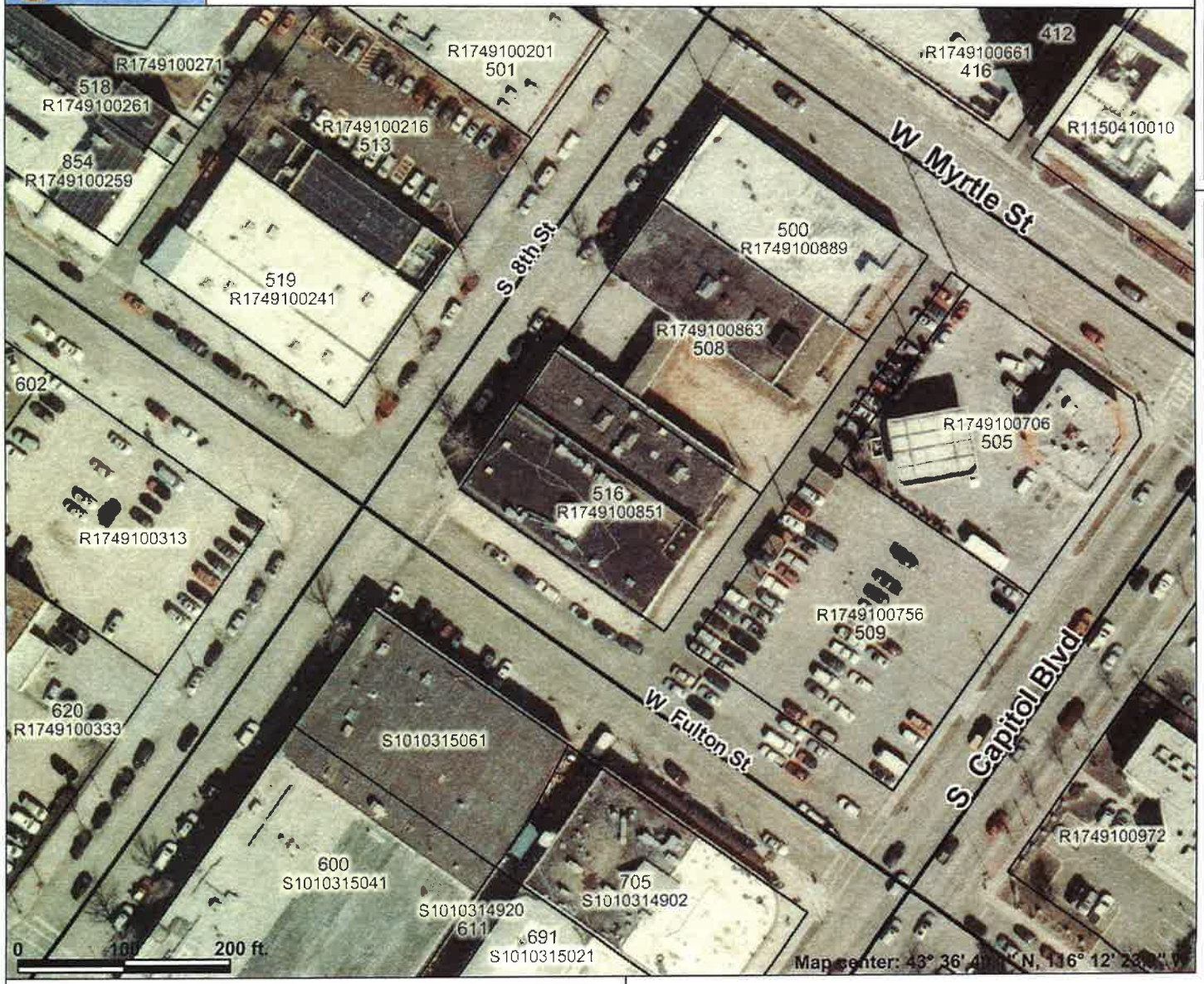


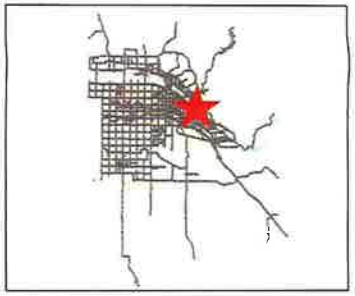
FIGURE 1 SITE LOCATION MAP
Environmental Site Assessment Activities
Idaho Linen Property
508 and 516 8th Street, Boise, Idaho

IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY

URS

FIGURE 2





Legend

Major Streets

- Minor Arterial
- Collector
- SECTION
- PRINCIPAL Arterial
- INTERSTATE
- Other

Minor Streets

- LOCAL
- PARKS
- PRIVATE
- RESIDENTIAL
- Other

Street Names (minor)

Addresses

- Parcels

Ada-OQ2010

- Parks

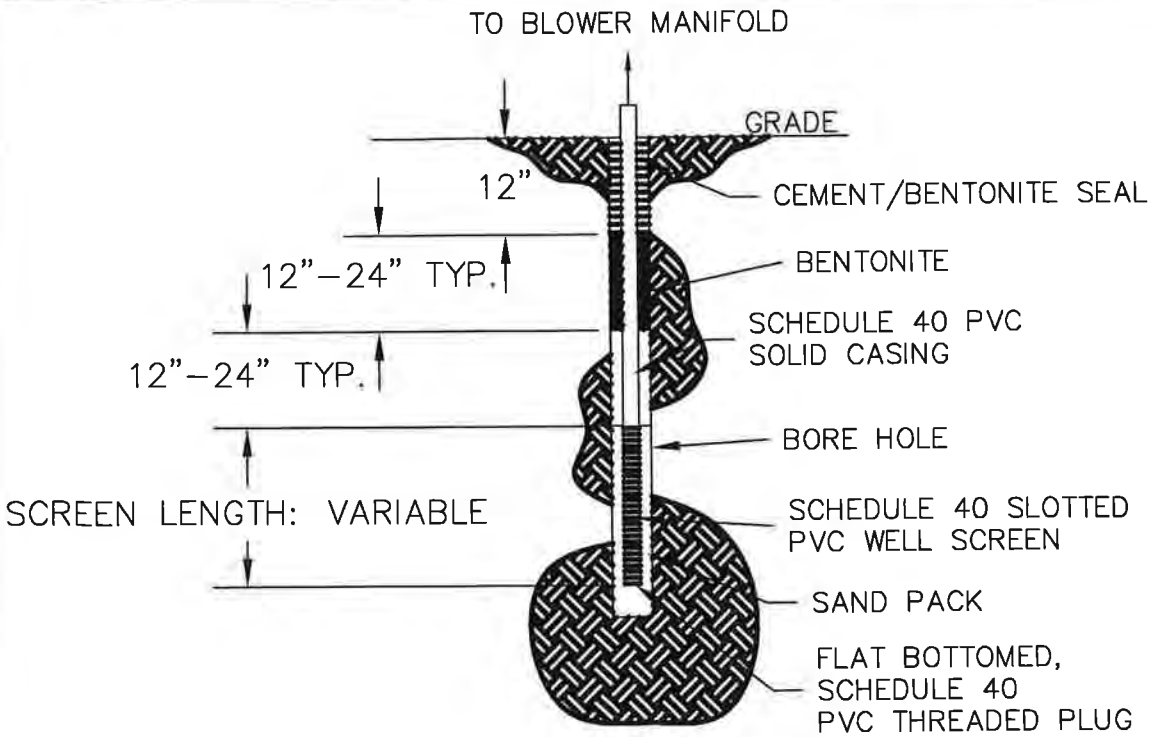
City Limits

- Kuna
- Boise
- Garden City
- Eagle
- Star
- Meridian

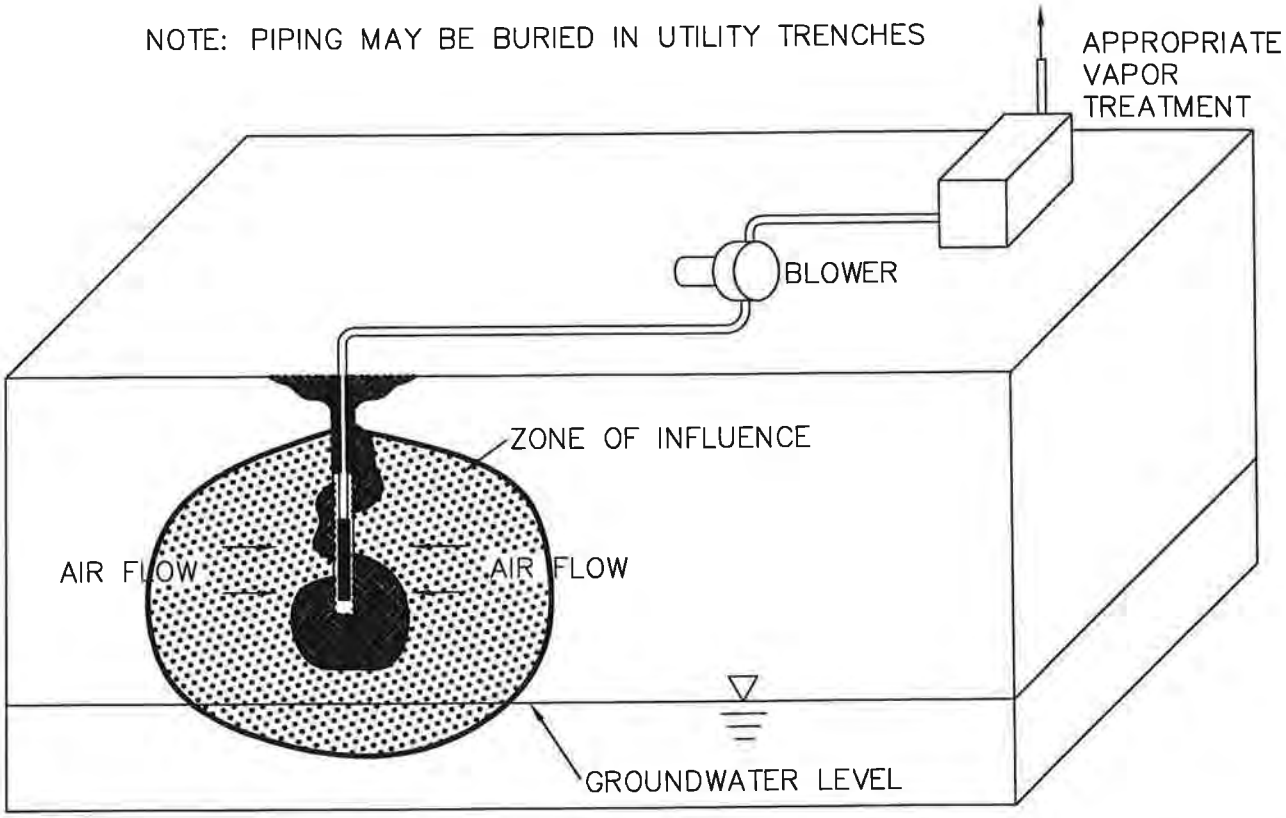
N

Scale: 1:1,719

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.



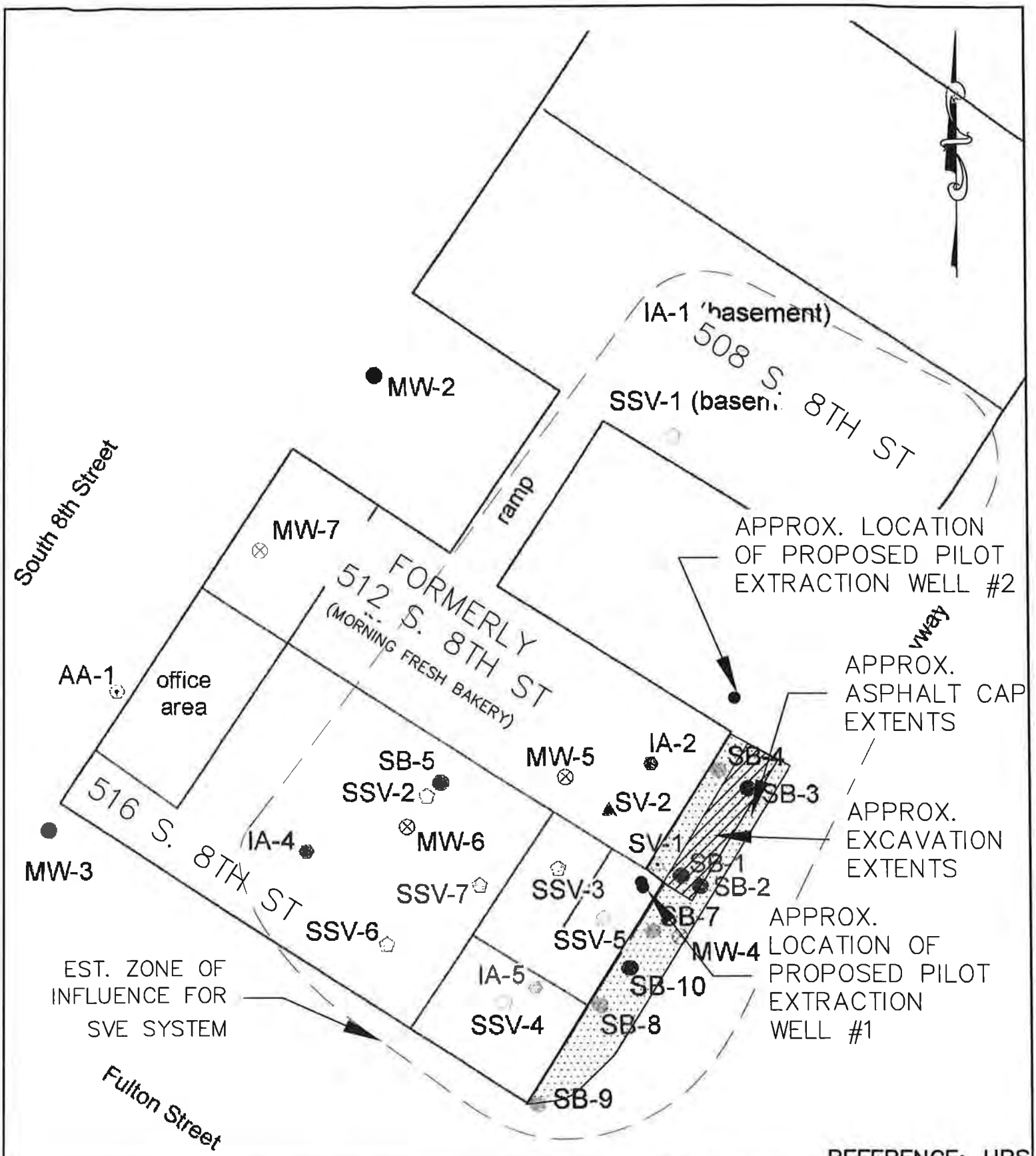
TYPICAL VERTICAL SOIL
VAPOR EXTRACTION WELL
CONSTRUCTION



SOURCE: EPA

PROJECT NAME: FIGURE 3 TYPICAL SVE PILOT TEST SCHEMATIC		
LOCATION: 508 AND 516 8TH ST., BOISE, ID 83702		
REV: –	DRAWN BY: ES	DATE: 6/4/2013
SHEET: FIGURE 3	CHECKED BY: RE	SCALE: NTS

CENTRA
CONSULTING INC.
413 WEST IDAHO, SUITE 302
BOISE, IDAHO 83702
208.338.9400 OFFICE
208.338.3844 FAX



REFERENCE: URS

PROJECT NAME: FIGURE 4 PROPOSED SVE AND EXISTING SVO SAMPLE LOCATIONS		
LOCATION: 508 AND 516 8TH ST., BOISE, ID 83702		
REV: –	**DRAWN BY:** ES	**DATE:** 5/29/2013
SHEET: FIGURE 4	**CHECKED BY:** RE	**SCALE:** NTS

CENTRA
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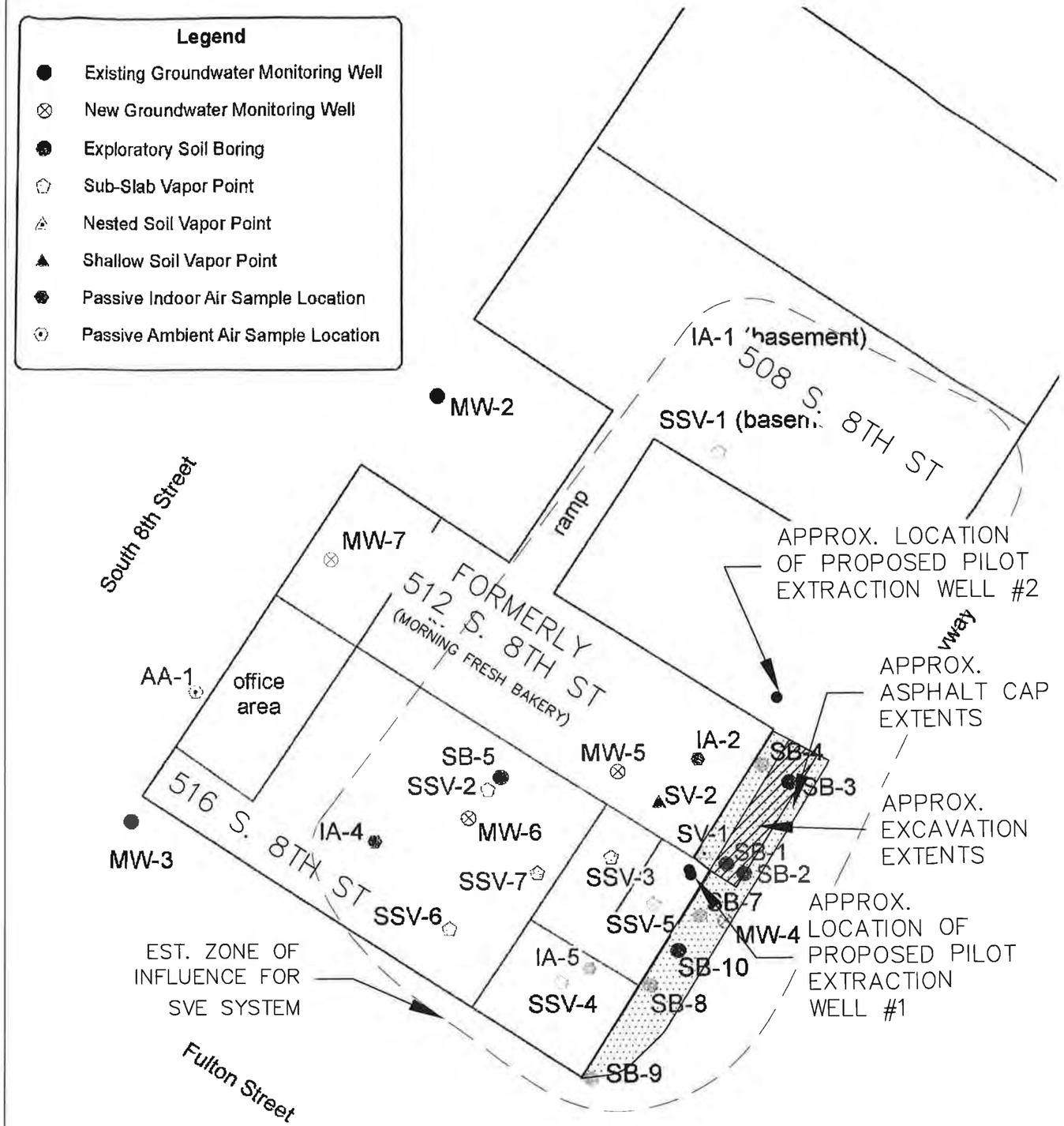


Indoor Air (IA) Data for VOCs

Parameter	Benzene	Ethyl Benzene
Units	ug/m^3	ug/m^3
EPA RSL Residential	0.31	0.97
IA and AA Sample ID		
IA-1 (Blank Adjusted)	1.30	1.80
IA-1 (Original)	2.20	2.20
IA-1 (Blank)	0.87	0.38
IA-2 (Blank Adjusted)	0.70	1.00
IA-2 (Original)	2.00	1.40
IA-2 (Blank)	1.30	0.38
IA-3 (Blank Adjusted)	1.10	1.20
IA-3 (Original)	2.40	1.50
IA-3 (Blank)	1.30	0.33
IA-4 (Blank Adjusted)	1.20	1.00
IA-4 (Original)	2.40	1.40
IA-4 (Blank)	1.20	0.37
IA-5 (Blank Adjusted)	0.90	1.20
IA-5 (Original)	2.00	1.60
IA-5 (Blank)	1.10	0.36

Sub-Slab Soil Vapor

Parameter	Chloroform	1,3 Butadiene	PCE	TCE
Units	ug/m^3	ug/m^3	ug/m^3	ug/m^3
EPA RSL Residential (10 X for SSV)	1.1	0.81	94	4.3
SSV-1			3,500	
SSV-2		180	8,300	55
SSV-3	1,600		31,000	1,500
SSV-4			13,000	1,100
SSV-5	240		44,000	1,600
SSV-6			2,400	18
SSV-7	110		16,000	360

Soil Vapor

Parameter	Chloroform	PCE	TCE
Units	ug/m^3	ug/m^3	ug/m^3
EPA RSL Residential (10 X for SV)	1.1	94	4.3
SV-1-5		220,000	14,000
SV-1-5-D		230,000	15,000
SV-1-10	650	88,000	6,300
SV-2-5	840	14,000	810

REFERENCE: URS

No.	BY	DATE	DESCRIPTION
1			

REVISIONS

PROJECT LOCATION: ADA COUNTY

PROJECT CONTACT: EMILY SKORO

OWNER/DEVELOPER: RIM VIEW, LLC.

CENTRA CONSULTING INC.
413 WEST IDAHO, SUITE 322
BOISE, IDAHO 83702
208 336-9400 OFFICE
208 336-9401 FAX

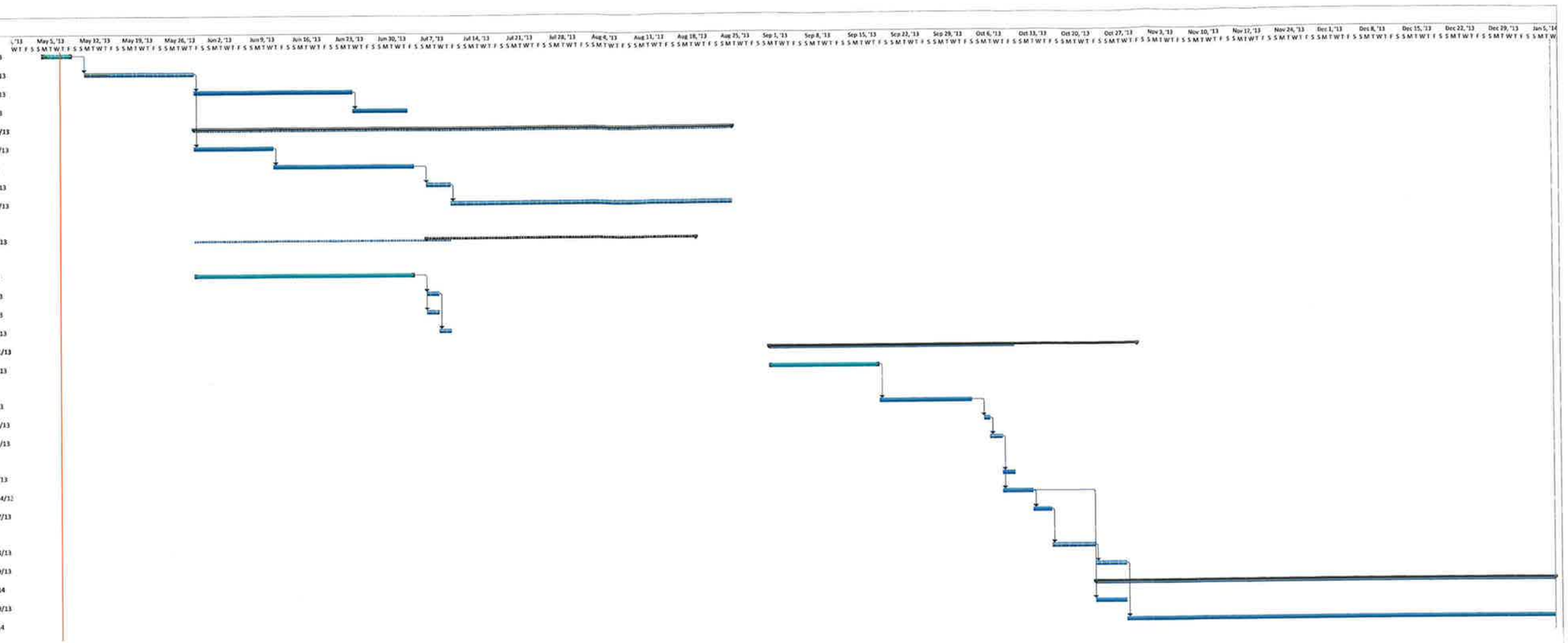
TITLE: FIGURE 5
COC LEVELS THAT EXCEED RATLS

DATE 5/6/2013 | DESIGNED BY: EKS | DRAWN BY: EKS | CHECKED BY: EKS

SHEET | DRAWING #

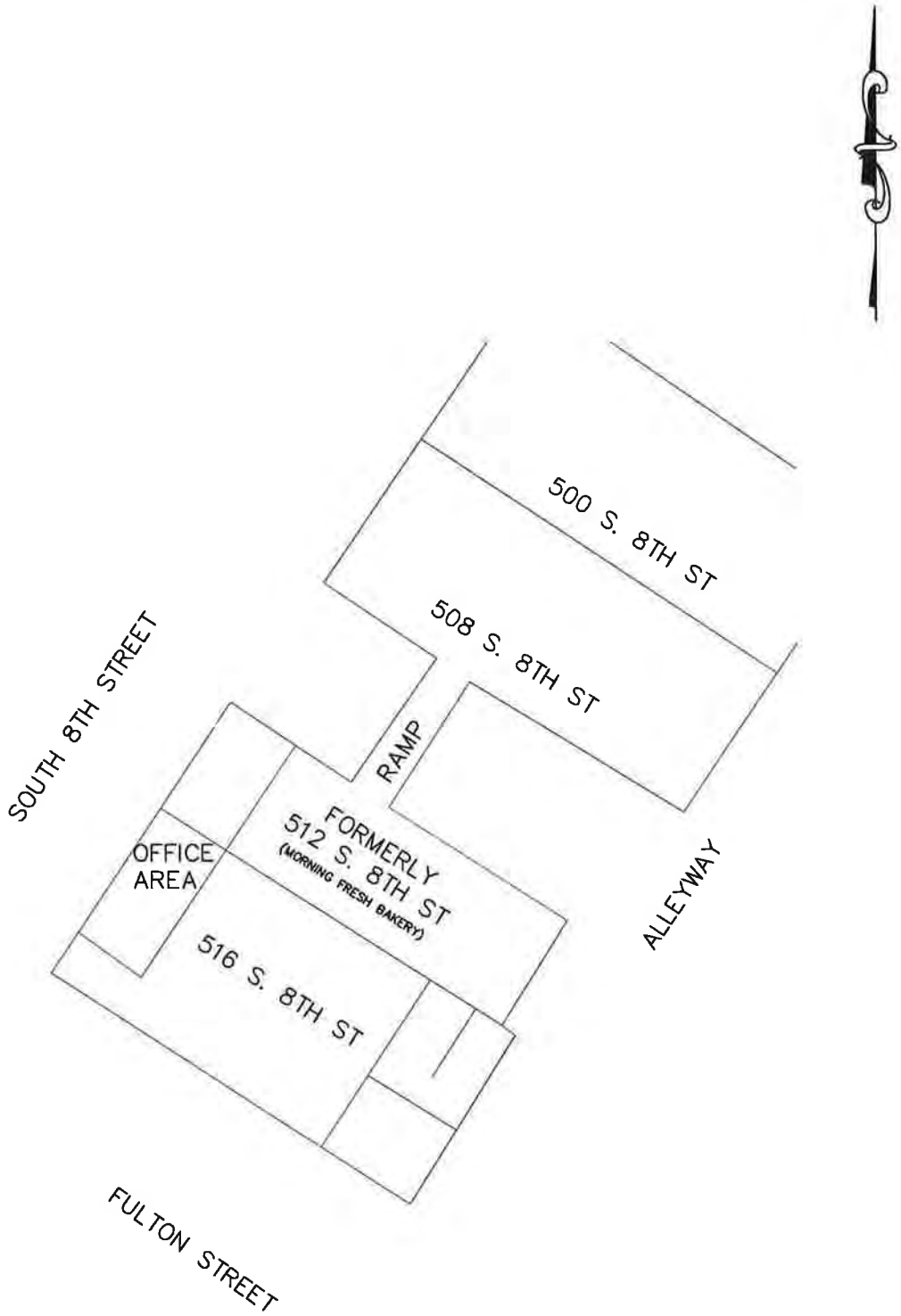
Figure 6

ID	Task Mode	Task Name	Duration	Start	Finish
1		**VRWP Preparation**	5 days	Mon 5/6/13	Fri 5/10/13
2		IDEQ Review of VRWP	14 days	Mon 5/13/13	Thu 5/30/13
3		Public Comment Period	18 days	Fri 5/31/13	Tue 6/25/13
4		Approval & Finalization	7 days?	Wed 6/26/13	Thu 7/4/13
5		**Phase 1: SVE Pilot Test**	**62 days**	**Fri 5/31/13**	**Mon 8/26/13**
6		IDEQ Review of Pilot Test Outline	9 days	Fri 5/31/13	Wed 6/12/13
7		Pilot Test Coordination	17 days	Thu 6/13/13	Fri 7/5/13
8		Pilot Test Implementation	4 days	Mon 7/8/13	Thu 7/11/13
9		Review of Pilot Test Results & Refinement of SVE System Design	32 days	Fri 7/12/13	Mon 8/26/13
10		**Phase 1: Soil Excavation and Backfill**	**32 days**	**Mon 7/8/13**	**Tue 8/20/13**
11		Permit-Application & Approval	26 days	Fri 5/31/13	Fri 7/5/13
12		Excavate Soil (280 C.Y.)	2 days	Mon 7/8/13	Tue 7/9/13
13		Contaminated Soil Disposal	2 days	Mon 7/8/13	Tue 7/9/13
14		Test and Place Clean Backfill	2 days	Wed 7/10/13	Thu 7/11/13
15		**Phase 1: SVE System Installation**	**44 days**	**Mon 9/2/13**	**Thu 10/31/13**
16		Permit to Construct-Application & Approval	14 days	Mon 9/2/13	Thu 9/19/13
17		Installation Coordination	11 days	Fri 9/20/13	Fri 10/4/13
18		Private Utility Locate	1 day	Mon 10/7/13	Mon 10/7/13
19		Soil Vapor Extraction Point Installation	2 days	Tue 10/8/13	Wed 10/9/13
20		Trenching and Piping	2 days	Thu 10/10/13	Fri 10/11/13
21		SVE System Trailer Mobilization	3 days	Thu 10/10/13	Mon 10/14/13
22		SVE System Setup: Electrical & Mechanical	3 days	Tue 10/15/13	Thu 10/17/13
23		SVE System Startup & Testing	5 days	Fri 10/18/13	Thu 10/24/13
24		Startup Sampling and Training	3 days	Fri 10/25/13	Tue 10/29/13
25		**Phase 1: Monitoring & Reporting**	**53 days**	**Fri 10/25/13**	**Tue 1/7/14**
26		Baseline Sampling	3 days	Fri 10/25/13	Tue 10/29/13
27		Monitoring	50 days	Wed 10/30/13	Tue 1/7/14



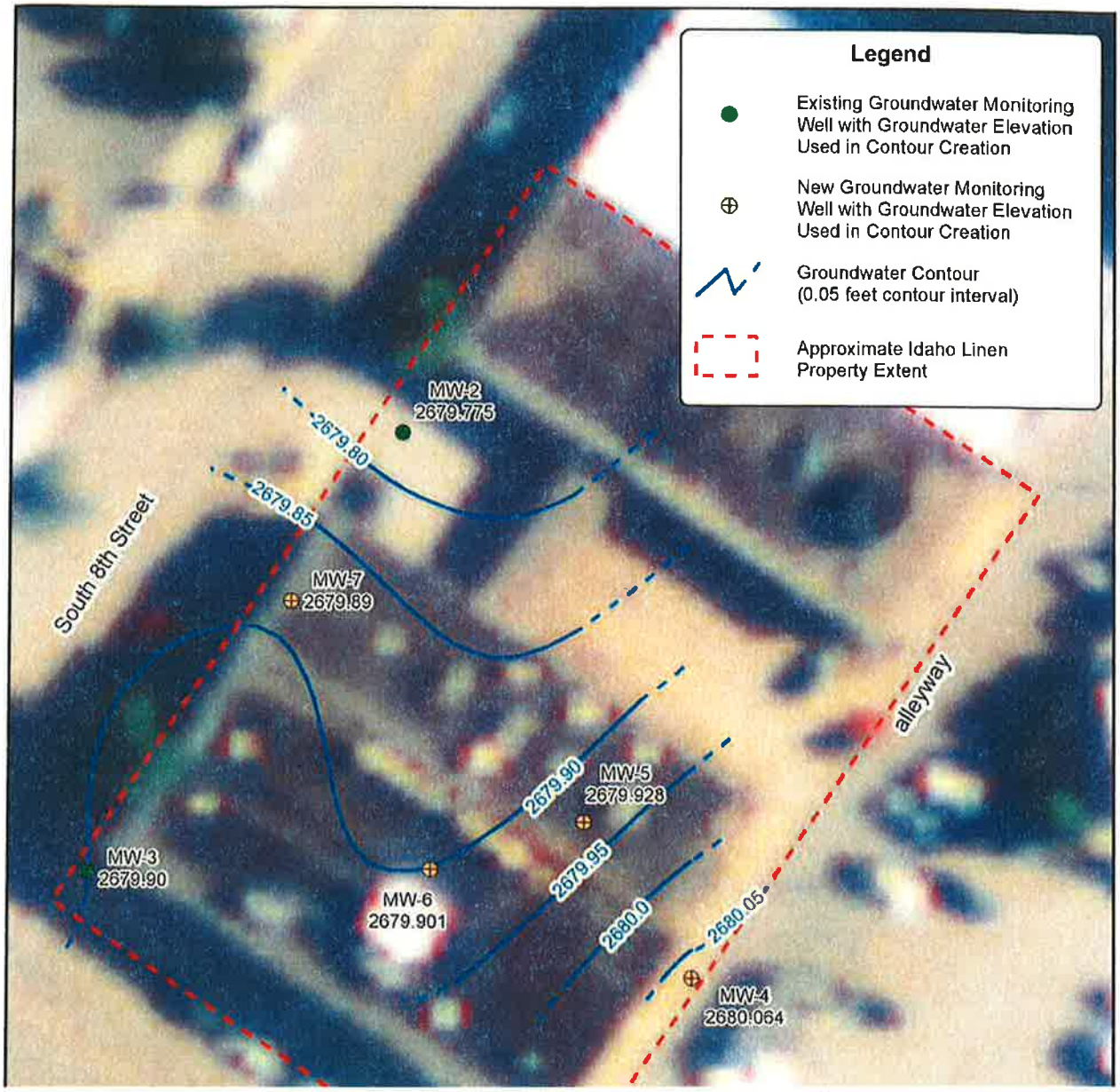
Project: Project Timeline and Sche
Date: Thu 5/9/13

Task | Milestone | Project Summary | External Milestone | Inactive Milestone | Manual Task | Manual Summary Rollup | Start-only | Deadline
Split | Summary | External Tasks | Inactive Task | Inactive Summary | Duration-only | Manual Summary | Finish-only | Progress



PROJECT NAME: FIGURE 7 SITE BUILDING MAP PREVIOUS TO 1956/57		
LOCATION: 508 AND 516 8TH ST., BOISE, ID 83702		
REV: –	DRAWN BY: ES	DATE: 5/6/2013
SHEET: FIGURE 7	CHECKED BY: RE	SCALE: NTS

CENTRA
CONSULTING INC.
413 WEST IDAHO, SUITE 302
BOISE, IDAHO 83702
208.338.9400 OFFICE
208.338.3844 FAX



SOURCE: URS

PROJECT NAME: FIGURE 8 GROUNDWATER CONTOUR MAP		
LOCATION: 508 AND 516 8TH ST., BOISE, ID 83702		
REV: –	DRAWN BY: ES	DATE: 5/5/2013
SHEET: FIGURE 8	CHECKED BY: RE	SCALE: NTS

CENTRA CONSULTING INC.
413 WEST IDAHO, SUITE 302
BOISE, IDAHO 83702
208.338.9400 OFFICE
208.338.3844 FAX

Appendix A

Sampling Results from 2007 Centra Soil and Groundwater Investigation

EMSL Analytical

http://www.emsl.com

3 Cooper St.
Westmont, NJ 08108
Phone: (856) 858-4800
Fax: (856) 858-4571

Attn: **Chas Ariss**
Centra Consulting, Inc.
413 W. Idaho
Boise, ID 83702

Phone (208) 409-8900
Fax: (888) 515-3315

1/23/2007

The following report covers the analysis performed on samples submitted to EMSL Analytical on 1/11/2007. The results are tabulated on the attached data pages for the following client designated project:

Project ID: Idaho Linen

The reference number for these samples is EMSL Order #010700174. Please use this reference when calling about these samples.

If you have any questions, please do not hesitate to contact me at (856) 858-4800.

Reviewed and Approved By:

Laboratory Director or other
approved signatory
NJ-NELAP Accredited:04653

ACCREDITED IN ACCORDANCE WITH nelac

The test results contained within this report meet the requirements of NELAC and/or the specific certification program that is applicable, unless otherwise noted

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax (856) 858-4571 Email: jsmith@emsl.com

Attn: **Chas Ariss**
Centra Consulting, Inc.
413 W. Idaho
Boise, ID 83702
Fax: (888) 515-3315 Phone: (208) 409-8900

Customer ID: CENT85
Customer PO:
Received: 01/11/07 10:17 AM
EMSL Order: 010700174
EMSL Proj: Idaho Linen
Report Date: 1/23/2007

Client Sample Description MW-1 1'
Idaho Linen
Collected: 1/8/2007 8:55:00 AM
Lab ID: *0001*

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	80	%	0 5	1/12/2007 12:16 PM	tlech
VOA	8260B	See Attached			n/a	1/17/2007 06:16 PM	wfink

Client Sample Description MW-1 3'
Idaho Linen
Collected: 1/8/2007 9:05:00 AM
Lab ID: *0002*

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	91	%	0.5	1/12/2007 12:16 PM	tlech
VOA	8260B	See Attached			n/a	1/15/2007 01:53 PM	wfink

Client Sample Description MW-1 10'-11 5'
Idaho Linen
Collected: 1/8/2007 9:25:00 AM
Lab ID: *0003*

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	94	%	0 5	1/12/2007 12:16 PM	tlech
VOA	8260B	See Attached			n/a	1/15/2007 02:37 PM	wfink

Client Sample Description MW-1 15'-16 5'
Idaho Linen
Collected: 1/8/2007 9:35:00 AM
Lab ID: *0004*

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	65	%	0 5	1/12/2007 12:16 PM	tlech
VOA	8260B	See Attached			n/a	1/15/2007 03:20 PM	wfink

EMSL

EMSL Analytical, Inc.

Quality Laboratory Services Since 1981

CHAIN OF CUSTODY - Chemistry

Send Samples To: 107 Haddon Avenue, Westmont NJ 08108 (888) 958-8170

Contact Name:	Chas Ariss	*Sales Rep:*	Nicole Gillar
Company Name:	Centra Consulting, Inc.	*Bill To:*	Same
Address:	413 W. Idaho		
City/State/Zip:	Boise, ID 83702		
Phone Results To:	1-208-409-8900	*Email Results To:*	carlss@centrainc.com
Project Name:		*Purchase Order#*	

TEST TYPE:	SAMPLE MATRIX:
EPA 8260 Analysis Method	SOIL
Special Instructions:	

TURN AROUND TIME:

OTHER (please call lab first)

Sample ID	Location	Volume	Comments
MW-1 1'	Idaho Linen		Time 8:55 AM
MW-1 3'			Time: 9:05 AM
MW-1 10'-11.5'			Time 9:25 AM
MW-1 15'-16.5'			Time 9:35 AM

Media Type _____ *Manufacture/Part#* _____ *Lot #* _____

RELEASED BY	DATE	RECEIVED BY	COMMENTS
[illegible]	1-10-07 1:30 PM		

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-1 1'
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700174-0001	Project:	Idaho Linen
Lab File ID:	T8720.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#5	Sampling Date:	01/08/2007
Analyst:	WRF	Analysis Date	01/17/2007 18:16:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	MED
Sample wt/vol:	10 G	Nominal Amount:	100 µL
Extract Vol.	10000 (uL)	Aliquot Analyzed:	25 (ul)
Dilution Factor:	1	Method:	SW846 8260B
Sample Container:	Jar (SW-846 5035)	Moisture(%)	20

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
75-71-8	Dichlorodifluoromethane	250		U
74-87-3	Chloromethane	500		U
75-01-4	Vinyl chloride	250		U
74-83-9	Bromomethane	1300		U
75-00-3	Chloroethane	250		U
75-69-4	Trichlorofluoromethane	250		U
107-02-8	Acrolein	13000		U
76-13-1	Freon 113(1,1,2-Trichlorotrifluoroethan	250		U
75-35-4	1,1-Dichloroethene	250		U
67-64-1	Acetone	500		U
75-15-0	Carbon disulfide	250		U
75-09-2	Methylene chloride	250		U
75-65-0	tert-Butyl Alcohol	2500		U
156-60-5	trans-1,2-Dichloroethene	250		U
1634-04-4	Methyl-tert butyl ether	250		U
107-13-1	Acrylonitrile	250		U
75-34-3	1,1-Dichloroethane	250		U
108-05-4	Vinyl acetate	2500		U
594-20-7	2,2-Dichloropropane	250		U
156-59-2	cis-1,2-Dichloroethene	250	1200	
78-93-3	2-Butanone	500		U
74-97-1	Bromochloromethane	250		U
67-66-3	Chloroform	250		U
71-55-6	1,1,1-Trichloroethane	250		U
56-23-1	Carbon tetrachloride	250		U
563-58-6	1,1-Dichloropropene	250		U
71-43-2	Benzene	130		U
107-06-2	1,2-Dichloroethane	250		U
79-01-6	Trichloroethene	250	8400	
74-95-3	Dibromomethane	250		U
75-27-4	Bromodichloromethane	250		U
10061-01-5	cis-1,3-Dichloropropene	250		U
108-10-1	4-Methyl-2-pentanone	2500		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-1 1'
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700174-0001	Project:	Idaho Linen
Lab File ID:	T8720.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#5	Sampling Date:	01/08/2007
Analyst:	WRF	Analysis Date	01/17/2007 18:16:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	MED
Sample wt/vol:	10 G	Nominal Amount:	100 µL
Extract Vol.	10000 (uL)	Aliquot Analyzed:	25 (ul)
Dilution Factor:	1	Method:	SW846 8260B
Sample Container:	Jar (SW-846 5035)	Moisture(%)	20

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
108-88-3	Toluene	250		U
10061-02-6	trans-1,3-Dichloropropene	250		U
79-00-1	1,1,2-Trichloroethane	250		U
127-18-4	Tetrachloroethene	630	90000	D2
142-28-9	1,3-Dichloropropane	250		U
591-78-6	2-Hexanone	2500		U
124-48-1	Dibromochloromethane	250		U
106-93-4	1,2-Dibromoethane	250		U
108-90-7	Chlorobenzene	250		U
630-20-6	1,1,1,2-Tetrachloroethane	250		U
100-41-4	Ethylbenzene	250		U
108-38-3	Xylene (para & meta)	250		U
95-47-6	Xylene (Ortho)	250		U
100-42-1	Styrene	250		U
75-25-2	Bromoform	250		U
98-82-8	Isopropylbenzene	250		U
108-86-1	Bromobenzene	250		U
79-34-1	1,1,2,2-Tetrachloroethane	250		U
96-18-4	1,2,3-Trichloropropane	250		U
103-65-1	n-Propylbenzene	250		U
110-57-6	trans-1,4-Dichloro-2-butene	500		U
95-49-8	2-Chlorotoluene	250		U
106-43-4	4-Chlorotoluene	250		U
108-67-8	1,3,5-Trimethylbenzene	250		U
98-06-6	tert-Butylbenzene	250		U
95-63-6	1,2,4-Trimethylbenzene	250		U
135-98-8	sec-Butylbenzene	250		U
541-73-1	1,3-Dichlorobenzene	250		U
99-87-6	4-Isopropyltoluene	250		U
106-46-7	1,4-Dichlorobenzene	250		U
95-50-1	1,2-Dichlorobenzene	250		U
104-51-8	n-Butylbenzene	250		U
67-72-1	Hexachloroethane	250		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-1 1'
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700174-0001	Project:	Idaho Linen
Lab File ID:	T8720.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#5	Sampling Date:	01/08/2007
Analyst:	WRF	Analysis Date	01/17/2007 18:16:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	MED
Sample wt/vol:	10 G	Nominal Amount:	100 µL
Extract Vol.	10000 (uL)	Aliquot Analyzed:	25 (ul)
Dilution Factor:	1	Method:	SW846 8260B
Sample Container:	Jar (SW-846 5035)	Moisture(%)	20

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
96-12-8	1,2-Dibromo-3-chloropropane	250		U
120-82-1	1,2,4-Trichlorobenzene	250		U
87-68-3	Hexachlorobutadiene	250		U
91-20-3	Naphthalene	250	1300	
87-61-6	1,2,3-Trichlorobenzene	250		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution
D1 = T8721.D (Analysis Time: 01/17/07 18:58:00 , Dil. Factor= 4.0)
D2 = T8747.D (Analysis Time: 01/19/07 16:23:00 , Dil. Factor= 10.0)

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-1 3'
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700174-0002	**Project:**	Idaho Linen
Lab File ID:	V09443.D	**Sample Matrix:**	Soils
Instrument ID:	GC/MS VOA#6	**Sampling Date:**	1/8/2007
Analyst:	WRF	**Analysis Date**	1/15/2007 13:52:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 G	**Nominal Amount:**	5 G
Dilution Factor:	1	**Method:**	SW846 8260B
Sample Container:	JAR	**Moisture(%)**	9
Heated Purge (Y/N):	Y		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
75-71-8	Dichlorodifluoromethane	1.1		U
74-87-3	Chloromethane	1.1		U
75-01-4	Vinyl chloride	1.1		U
74-83-9	Bromomethane	1.1		U
75-00-3	Chloroethane	1.1		U
75-69-4	Trichlorofluoromethane	1.1		U
107-02-8	Acrolein	55		U
76-13-1	Freon 113(1,1,2-Trichlorotrifluoroethan	1.1		U
75-35-4	1,1-Dichloroethene	1.1		U
67-64-1	Acetone	11		U
75-15-0	Carbon disulfide	1.1		U
75-09-2	Methylene chloride	1.1		U
75-65-0	tert-Butyl Alcohol	11		U
156-60-5	trans-1,2-Dichloroethene	1.1		U
1634-04-4	Methyl-tert butyl ether	1.1		U
107-13-1	Acrylonitrile	1.1		U
75-34-3	1,1-Dichloroethane	1.1		U
108-05-4	Vinyl acetate	11		U
594-20-7	2,2-Dichloropropane	1.1		U
156-59-2	cis-1,2-Dichloroethene	1.1		U
78-93-3	2-Butanone	2.2		U
74-97-1	Bromochloromethane	1.1		U
67-66-3	Chloroform	1.1		U
71-55-6	1,1,1-Trichloroethane	1.1		U
56-23-1	Carbon tetrachloride	1.1		U
563-58-6	1,1-Dichloropropene	1.1		U
71-43-2	Benzene	0.55		U
107-06-2	1,2-Dichloroethane	1.1		U
79-01-6	Trichloroethene	1.1	1.8	
74-95-3	Dibromomethane	1.1		U
75-27-4	Bromodichloromethane	1.1		U
10061-01-5	cis-1,3-Dichloropropene	1.1		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-1 3'
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700174-0002	**Project:**	Idaho Linen
Lab File ID:	V09443.D	**Sample Matrix:**	Soils
Instrument ID:	GC/MS VOA#6	**Sampling Date:**	1/8/2007
Analyst:	WRF	**Analysis Date**	1/15/2007 13:52:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 G	**Nominal Amount:**	5 G
Dilution Factor:	1	**Method:**	SW846 8260B
Sample Container:	JAR	**Moisture(%)**	9
Heated Purge (Y/N):	Y		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
108-10-1	4-Methyl-2-pentanone	11		U
108-88-3	Toluene	1.1		U
10061-02-6	trans-1,3-Dichloropropene	1.1		U
79-00-1	1,1,2-Trichloroethane	1.1		U
127-18-4	Tetrachloroethene	1.1	14	
142-28-9	1,3-Dichloropropane	1.1		U
591-78-6	2-Hexanone	11		U
124-48-1	Dibromochloromethane	1.1		U
106-93-4	1,2-Dibromoethane	1.1		U
108-90-7	Chlorobenzene	1.1		U
630-20-6	1,1,1,2-Tetrachloroethane	1.1		U
100-41-4	Ethylbenzene	1.1		U
108-38-3	Xylene (para & meta)	1.1		U
95-47-6	Xylene (Ortho)	1.1		U
100-42-1	Styrene	1.1		U
75-25-2	Bromoform	1.1		U
98-82-8	Isopropylbenzene	1.1		U
108-86-1	Bromobenzene	1.1		U
79-34-1	1,1,2,2-Tetrachloroethane	1.1		U
96-18-4	1,2,3-Trichloropropane	1.1		U
103-65-1	n-Propylbenzene	1.1		U
110-57-6	trans-1,4-Dichloro-2-butene	2.2		U
95-49-8	2-Chlorotoluene	1.1		U
106-43-4	4-Chlorotoluene	1.1		U
108-67-8	1,3,5-Trimethylbenzene	1.1		U
98-06-6	tert-Butylbenzene	1.1		U
95-63-6	1,2,4-Trimethylbenzene	1.1		U
135-98-8	sec-Butylbenzene	1.1		U
541-73-1	1,3-Dichlorobenzene	1.1		U
99-87-6	4-Isopropyltoluene	1.1		U
106-46-7	1,4-Dichlorobenzene	1.1		U
95-50-1	1,2-Dichlorobenzene	1.1		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-1 3'
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	**010700174-0002**	**Project:**	Idaho Linen
Lab File ID:	V09443.D	**Sample Matrix:**	Soils
Instrument ID:	GC/MS VOA#6	**Sampling Date:**	1/8/2007
Analyst:	WRF	**Analysis Date**	1/15/2007 13:52:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 G	**Nominal Amount:**	5 G
Dilution Factor:	1	**Method:**	SW846 8260B
Sample Container:	JAR	**Moisture(%)**	9
Heated Purge (Y/N):	Y		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
104-51-8	n-Butylbenzene	1.1		U
67-72-1	Hexachloroethane	1.1		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1		U
120-82-1	1,2,4-Trichlorobenzene	1.1		U
87-68-3	Hexachlorobutadiene	1.1		U
91-20-3	Naphthalene	1.1	1.7	
87-61-6	1,2,3-Trichlorobenzene	1.1		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-1 10'-11.5'
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	**010700174-0003**	**Project:**	Idaho Linen
Lab File ID:	V09444.D	**Sample Matrix:**	Soils
Instrument ID:	GC/MS VOA#6	**Sampling Date:**	1/8/2007
Analyst:	WRF	**Analysis Date**	1/15/2007 14:37:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 G	**Nominal Amount:**	5 G
Dilution Factor:	1	**Method:**	SW846 8260B
Sample Container:	JAR	**Moisture(%)**	6
Heated Purge (Y/N):	Y		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
75-71-8	Dichlorodifluoromethane	1.1		U
74-87-3	Chloromethane	1.1		U
75-01-4	Vinyl chloride	1.1		U
74-83-9	Bromomethane	1.1		U
75-00-3	Chloroethane	1.1		U
75-69-4	Trichlorofluoromethane	1.1		U
107-02-8	Acrolein	53		U
76-13-1	Freon 113(1,1,2-Trichlorotrifluoroethan	1.1		U
75-35-4	1,1-Dichloroethene	1.1		U
67-64-1	Acetone	11		U
75-15-0	Carbon disulfide	1.1		U
75-09-2	Methylene chloride	1.1		U
75-65-0	tert-Butyl Alcohol	11		U
156-60-5	trans-1,2-Dichloroethene	1.1		U
1634-04-4	Methyl-tert butyl ether	1.1		U
107-13-1	Acrylonitrile	1.1		U
75-34-3	1,1-Dichloroethane	1.1		U
108-05-4	Vinyl acetate	11		U
594-20-7	2,2-Dichloropropane	1.1		U
156-59-2	cis-1,2-Dichloroethene	1.1		U
78-93-3	2-Butanone	2.1		U
74-97-1	Bromochloromethane	1.1		U
67-66-3	Chloroform	1.1		U
71-55-6	1,1,1-Trichloroethane	1.1		U
56-23-1	Carbon tetrachloride	1.1		U
563-58-6	1,1-Dichloropropene	1.1		U
71-43-2	Benzene	0.53		U
107-06-2	1,2-Dichloroethane	1.1		U
79-01-6	Trichloroethene	1.1		U
74-95-3	Dibromomethane	1.1		U
75-27-4	Bromodichloromethane	1.1		U
10061-01-5	cis-1,3-Dichloropropene	1.1		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-1 10'-11.5'
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700174-0003	**Project:**	Idaho Linen
Lab File ID:	V09444.D	**Sample Matrix:**	Soils
Instrument ID:	GC/MS VOA#6	**Sampling Date:**	1/8/2007
Analyst:	WRF	**Analysis Date**	1/15/2007 14:37:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 G	**Nominal Amount:**	5 G
Dilution Factor:	1	**Method:**	SW846 8260B
Sample Container:	JAR	**Moisture(%)**	6
Heated Purge (Y/N):	Y		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
108-10-1	4-Methyl-2-pentanone	11		U
108-88-3	Toluene	1.1		U
10061-02-6	trans-1,3-Dichloropropene	1.1		U
79-00-1	1,1,2-Trichloroethane	1.1		U
127-18-4	Tetrachloroethene	1.1		U
142-28-9	1,3-Dichloropropane	1.1		U
591-78-6	2-Hexanone	11		U
124-48-1	Dibromochloromethane	1.1		U
106-93-4	1,2-Dibromoethane	1.1		U
108-90-7	Chlorobenzene	1.1		U
630-20-6	1,1,1,2-Tetrachloroethane	1.1		U
100-41-4	Ethylbenzene	1.1		U
108-38-3	Xylene (para & meta)	1.1		U
95-47-6	Xylene (Ortho)	1.1		U
100-42-1	Styrene	1.1		U
75-25-2	Bromoform	1.1		U
98-82-8	Isopropylbenzene	1.1		U
108-86-1	Bromobenzene	1.1		U
79-34-1	1,1,2,2-Tetrachloroethane	1.1		U
96-18-4	1,2,3-Trichloropropane	1.1		U
103-65-1	n-Propylbenzene	1.1		U
110-57-6	trans-1,4-Dichloro-2-butene	2.1		U
95-49-8	2-Chlorotoluene	1.1		U
106-43-4	4-Chlorotoluene	1.1		U
108-67-8	1,3,5-Trimethylbenzene	1.1		U
98-06-6	tert-Butylbenzene	1.1		U
95-63-6	1,2,4-Trimethylbenzene	1.1		U
135-98-8	sec-Butylbenzene	1.1		U
541-73-1	1,3-Dichlorobenzene	1.1		U
99-87-6	4-Isopropyltoluene	1.1		U
106-46-7	1,4-Dichlorobenzene	1.1		U
95-50-1	1,2-Dichlorobenzene	1.1		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-1 10'-11.5'
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700174-0003	**Project:**	Idaho Linen
Lab File ID:	V09444.D	**Sample Matrix:**	Soils
Instrument ID:	GC/MS VOA#6	**Sampling Date:**	1/8/2007
Analyst:	WRF	**Analysis Date**	1/15/2007 14:37:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 G	**Nominal Amount:**	5 G
Dilution Factor:	1	**Method:**	SW846 8260B
Sample Container:	JAR	**Moisture(%)**	6
Heated Purge (Y/N):	Y		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
104-51-8	n-Butylbenzene	1.1		U
67-72-1	Hexachloroethane	1.1		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1		U
120-82-1	1,2,4-Trichlorobenzene	1.1		U
87-68-3	Hexachlorobutadiene	1.1		U
91-20-3	Naphthalene	1.1		U
87-61-6	1,2,3-Trichlorobenzene	1.1		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-1 15'-16.5'
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700174-0004	**Project:**	Idaho Linen
Lab File ID:	V09445.D	**Sample Matrix:**	Soils
Instrument ID:	GC/MS VOA#6	**Sampling Date:**	1/8/2007
Analyst:	WRF	**Analysis Date**	1/15/2007 15:20:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 G	**Nominal Amount:**	5 G
Dilution Factor:	1	**Method:**	SW846 8260B
Sample Container:	JAR	**Moisture(%)**	15
Heated Purge (Y/N):	Y		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
75-71-8	Dichlorodifluoromethane	1.2		U
74-87-3	Chloromethane	1.2		U
75-01-4	Vinyl chloride	1.2		U
74-83-9	Bromomethane	1.2		U
75-00-3	Chloroethane	1.2		U
75-69-4	Trichlorofluoromethane	1.2		U
107-02-8	Acrolein	59		U
76-13-1	Freon 113(1,1,2-Trichlorotrifluoroethan	1.2		U
75-35-4	1,1-Dichloroethene	1.2		U
67-64-1	Acetone	12	3.0	J
75-15-0	Carbon disulfide	1.2		U
75-09-2	Methylene chloride	1.2		U
75-65-0	tert-Butyl Alcohol	12		U
156-60-5	trans-1,2-Dichloroethene	1.2		U
1634-04-4	Methyl-tert butyl ether	1.2		U
107-13-1	Acrylonitrile	1.2		U
75-34-3	1,1-Dichloroethane	1.2		U
108-05-4	Vinyl acetate	12		U
594-20-7	2,2-Dichloropropane	1.2		U
156-59-2	cis-1,2-Dichloroethene	1.2		U
78-93-3	2-Butanone	2.4		U
74-97-1	Bromochloromethane	1.2		U
67-66-3	Chloroform	1.2		U
71-55-6	1,1,1-Trichloroethane	1.2		U
56-23-1	Carbon tetrachloride	1.2		U
563-58-6	1,1-Dichloropropene	1.2		U
71-43-2	Benzene	0.59		U
107-06-2	1,2-Dichloroethane	1.2		U
79-01-6	Trichloroethene	1.2		U
74-95-3	Dibromomethane	1.2		U
75-27-4	Bromodichloromethane	1.2		U
10061-01-5	cis-1,3-Dichloropropene	1.2		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-1 15'-16.5'
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700174-0004	Project:	Idaho Linen
Lab File ID:	V09445.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#6	Sampling Date:	1/8/2007
Analyst:	WRF	Analysis Date	1/15/2007 15:20:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	LOW
Sample wt/vol:	5 G	Nominal Amount:	5 G
Dilution Factor:	1	Method:	SW846 8260B
Sample Container:	JAR	Moisture(%)	15
Heated Purge (Y/N):	Y		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
108-10-1	4-Methyl-2-pentanone	12		U
108-88-3	Toluene	1.2		U
10061-02-6	trans-1,3-Dichloropropene	1.2		U
79-00-1	1,1,2-Trichloroethane	1.2		U
127-18-4	Tetrachloroethene	1.2		U
142-28-9	1,3-Dichloropropane	1.2		U
591-78-6	2-Hexanone	12		U
124-48-1	Dibromochloromethane	1.2		U
106-93-4	1,2-Dibromoethane	1.2		U
108-90-7	Chlorobenzene	1.2		U
630-20-6	1,1,1,2-Tetrachloroethane	1.2		U
100-41-4	Ethylbenzene	1.2		U
108-38-3	Xylene (para & meta)	1.2		U
95-47-6	Xylene (Ortho)	1.2		U
100-42-1	Styrene	1.2		U
75-25-2	Bromoform	1.2		U
98-82-8	Isopropylbenzene	1.2		U
108-86-1	Bromobenzene	1.2		U
79-34-1	1,1,2,2-Tetrachloroethane	1.2		U
96-18-4	1,2,3-Trichloropropane	1.2		U
103-65-1	n-Propylbenzene	1.2		U
110-57-6	trans-1,4-Dichloro-2-butene	2.4		U
95-49-8	2-Chlorotoluene	1.2		U
106-43-4	4-Chlorotoluene	1.2		U
108-67-8	1,3,5-Trimethylbenzene	1.2		U
98-06-6	tert-Butylbenzene	1.2		U
95-63-6	1,2,4-Trimethylbenzene	1.2		U
135-98-8	sec-Butylbenzene	1.2		U
541-73-1	1,3-Dichlorobenzene	1.2		U
99-87-6	4-Isopropyltoluene	1.2		U
106-46-7	1,4-Dichlorobenzene	1.2		U
95-50-1	1,2-Dichlorobenzene	1.2		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-1 15'-16.5'
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700174-0004	**Project:**	Idaho Linen
Lab File ID:	V09445.D	**Sample Matrix:**	Soils
Instrument ID:	GC/MS VOA#6	**Sampling Date:**	1/8/2007
Analyst:	WRF	**Analysis Date**	1/15/2007 15:20:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 G	**Nominal Amount:**	5 G
Dilution Factor:	1	**Method:**	SW846 8260B
Sample Container:	JAR	**Moisture(%)**	15
Heated Purge (Y/N):	Y		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
104-51-8	n-Butylbenzene	1.2		U
67-72-1	Hexachloroethane	1.2		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2		U
120-82-1	1,2,4-Trichlorobenzene	1.2		U
87-68-3	Hexachlorobutadiene	1.2		U
91-20-3	Naphthalene	1.2		U
87-61-6	1,2,3-Trichlorobenzene	1.2		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical

http://www.emsl.com

3 Cooper St.
Westmont, NJ 08108
Phone: (856) 858-4800
Fax: (856) 858-4571

Attn: **Chas Ariss**
Centra Consulting, Inc.
413 W. Idaho
Boise, ID 83702

Phone (208) 409-8900
Fax: (888) 515-3315

1/18/2007

The following report covers the analysis performed on samples submitted to EMSL Analytical on 1/11/2007. The results are tabulated on the attached data pages for the following client designated project:

Project ID: Idaho Linen

The reference number for these samples is EMSL Order #010700166. Please use this reference when calling about these samples.

If you have any questions, please do not hesitate to contact me at (856) 858-4800.

Reviewed and Approved By:

Laboratory Director or other
approved signatory
NJ-NELAP Accredited:04653

ACCREDITED IN ACCORDANCE WITH nelac

The test results contained within this report meet the requirements of NELAC and/or the specific certification program that is applicable, unless otherwise noted.

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone (856) 858-4800 Fax: (856) 858-4571 jsmith@emsl.com

Attn: **Chas Ariss**
Centra Consulting, Inc.
413 W. Idaho
Boise, ID 83702
Fax: (888) 515-3315 Phone: (208) 409-8900

Customer ID: CENT85
Customer PO:
Received: 01/11/07 12:01 PM
EMSL Order: 010700166
EMSL Proj: Idaho Linen
Report Date: 1/18/2007

Client Sample Description MW-1 Idaho Linen — *Collected:* 1/10/2007 1:15:00 PM — *Lab ID:* 0001

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
VOA	8260B	See Attached			n/a	1/13/2007 07:16 PM	wfink

Client Sample Description MW-2 Idaho Linen — *Collected:* 1/10/2007 3:00:00 PM — *Lab ID:* 0002

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
VOA	8260B	See Attached			n/a	1/13/2007 07:58 PM	wfink

Client Sample Description MW-3 Idaho Linen — *Collected:* 1/10/2007 1:45:00 PM — *Lab ID:* 0003

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
VOA	8260B	See Attached			n/a	1/13/2007 08:40 PM	wfink

Client Sample Description Renewal Idaho Linen — *Collected:* 1/10/2007 3:30:00 PM — *Lab ID:* 0004

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
VOA	8260B	See Attached			n/a	1/13/2007 09:22 PM	wfink

Client Sample Description Simplot Idaho Linen — *Collected:* 1/10/2007 4:50:00 PM — *Lab ID:* 0005

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
VOA	8260B	See Attached			n/a	1/13/2007 10:04 PM	wfink

Client Sample Description Duplicate Idaho Linen — *Collected:* 1/10/2007 4:50:00 PM — *Lab ID.* 0006

Test	Method	Parameter	Concentration	Units	RL	Analysis Date/Time	Analyst
VOA	8260B	See Attached			n/a	1/13/2007 10:45 PM	wfink

EMSL

EMSL Analytical, Inc.

Quality Laboratory Services Since 1981

CHAIN OF CUSTODY - Chemistry

Send Samples To: 107 Haddon Avenue, Westmont NJ 08108 (888) 958-8170

Contact Name:	Chas Ariss	*Sales Rep:*	Nicole Gillar
Company Name:	Centra Consulting, Inc.	*Bill To:*	Same
Address:	413 W. Idaho		
City/State/Zip:	Boise, ID 83702		
Phone Results To:	1-208-409-8900	*Email Results To:*	cariss@centrainc.com
Project Name:		*Purchase Order#*	

TEST TYPE: EPA 8260 Analysis Method	SAMPLE MATRIX: WATER
Special Instructions:	

TURN AROUND TIME:

OTHER (please call lab first)

Sample ID	Location	Volume	Comments
MW-1	Idaho Linen		Time: 1:15
MW-2			Time: 3:00
MW-3			Time: 1:45
RENEWAL			Time: 3:30
SIMPLOT			Time: 4:50
DUPLICATE			—

Media Type _____ *Manufacture/Part#* _____ *Lot #* _____

RELEASED BY	DATE	RECEIVED BY	COMMENTS
[illegible]	1-10-07 1:30 pm		

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-1
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700166-0001	**Project:**	Idaho Linen
Lab File ID:	T8669 D	**Sample Matrix:**	Waste Water
Instrument ID:	GC/MS VOA#5	**Sampling Date:**	1/10/2007
Analyst:	WRF	**Analysis Date**	1/13/2007 19:16:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 ML	**Nominal Amount:**	5 ML
Dilution Factor:	1	**Method:**	SW846 8260B

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
75-71-8	Dichlorodifluoromethane	1.0		U
74-87-3	Chloromethane	1.0		U
75-01-4	Vinyl chloride	1.0		U
74-83-9	Bromomethane	5.0		U
75-00-3	Chloroethane	1.0		U
75-69-4	Trichlorofluoromethane	1.0	1.6	
107-02-8	Acrolein	25		U
76-13-1	Freon 113(1,1,2-Trichlorotrifluoroethan	1.0		U
75-35-4	1,1-Dichloroethene	1.0		U
67-64-1	Acetone	2.0		U
75-15-0	Carbon disulfide	1.0		U
75-09-2	Methylene chloride	1.0		U
75-65-0	tert-Butyl Alcohol	10		U
156-60-5	trans-1,2-Dichloroethene	1.0		U
1634-04-4	Methyl-tert butyl ether	1.0		U
107-13-1	Acrylonitrile	1.0		U
75-34-3	1,1-Dichloroethane	1.0		U
108-05-4	Vinyl acetate	10		U
594-20-7	2,2-Dichloropropane	1.0		U
156-59-2	cis-1,2-Dichloroethene	1.0		U
78-93-3	2-Butanone	2.0		U
74-97-1	Bromochloromethane	1.0		U
67-66-3	Chloroform	1.0		U
71-55-6	1,1,1-Trichloroethane	1.0		U
56-23-1	Carbon tetrachloride	1.0		U
563-58-6	1,1-Dichloropropene	1.0		U
71-43-2	Benzene	0.50		U
107-06-2	1,2-Dichloroethane	1.0		U
79-01-6	Trichloroethene	1.0		U
74-95-3	Dibromomethane	1.0		U
75-27-4	Bromodichloromethane	1.0		U
10061-01-5	cis-1,3-Dichloropropene	1.0		U
108-10-1	4-Methyl-2-pentanone	10		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-1
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700166-0001	**Project:**	Idaho Linen
Lab File ID:	T8669.D	**Sample Matrix:**	Waste Water
Instrument ID:	GC/MS VOA#5	**Sampling Date:**	1/10/2007
Analyst:	WRF	**Analysis Date**	1/13/2007 19:16:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 ML	**Nominal Amount:**	5 ML
Dilution Factor:	1	**Method:**	SW846 8260B

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
108-88-3	Toluene	1.0		U
10061-02-6	trans-1,3-Dichloropropene	1.0		U
79-00-1	1,1,2-Trichloroethane	1.0		U
127-18-4	Tetrachloroethene	1.0	5.3	
142-28-9	1,3-Dichloropropane	1.0		U
591-78-6	2-Hexanone	10		U
124-48-1	Dibromochloromethane	1.0		U
106-93-4	1,2-Dibromoethane	1.0		U
108-90-7	Chlorobenzene	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	1.0		U
100-41-4	Ethylbenzene	1.0		U
108-38-3	Xylene (para & meta)	1.0		U
95-47-6	Xylene (Ortho)	1.0		U
100-42-1	Styrene	1.0		U
75-25-2	Bromoform	1.0		U
98-82-8	Isopropylbenzene	1.0		U
108-86-1	Bromobenzene	1.0		U
79-34-1	1,1,2,2-Tetrachloroethane	1.0		U
96-18-4	1,2,3-Trichloropropane	1.0		U
103-65-1	n-Propylbenzene	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	2.0		U
95-49-8	2-Chlorotoluene	1.0		U
106-43-4	4-Chlorotoluene	1.0		U
108-67-8	1,3,5-Trimethylbenzene	1.0		U
98-06-6	tert-Butylbenzene	1.0		U
95-63-6	1,2,4-Trimethylbenzene	1.0		U
135-98-8	sec-Butylbenzene	1.0		U
541-73-1	1,3-Dichlorobenzene	1.0		U
99-87-6	4-Isopropyltoluene	1.0		U
106-46-7	1,4-Dichlorobenzene	1.0		U
95-50-1	1,2-Dichlorobenzene	1.0		U
104-51-8	n-Butylbenzene	1.0		U
67-72-1	Hexachloroethane	1.0		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-1
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700166-0001	**Project:**	Idaho Linen
Lab File ID:	T8669.D	**Sample Matrix:**	Waste Water
Instrument ID:	GC/MS VOA#5	**Sampling Date:**	1/10/2007
Analyst:	WRF	**Analysis Date**	1/13/2007 19:16:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 ML	**Nominal Amount:**	5 ML
Dilution Factor:	1	**Method:**	SW846 8260B

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
96-12-8	1,2-Dibromo-3-chloropropane	1.0		U
120-82-1	1,2,4-Trichlorobenzene	1.0		U
87-68-3	Hexachlorobutadiene	1.0		U
91-20-3	Naphthalene	1.0		U
87-61-6	1,2,3-Trichlorobenzene	1.0		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-2
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700166-0002	**Project:**	Idaho Linen
Lab File ID:	T8670.D	**Sample Matrix:**	Waste Water
Instrument ID:	GC/MS VOA#5	**Sampling Date:**	1/10/2007
Analyst:	WRF	**Analysis Date**	1/13/2007 19:58:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 ML	**Nominal Amount:**	5 ML
Dilution Factor:	1	**Method:**	SW846 8260B

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
75-71-8	Dichlorodifluoromethane	1.0		U
74-87-3	Chloromethane	1.0		U
75-01-4	Vinyl chloride	1.0		U
74-83-9	Bromomethane	5.0		U
75-00-3	Chloroethane	1.0		U
75-69-4	Trichlorofluoromethane	1.0		U
107-02-8	Acrolein	25		U
76-13-1	Freon 113(1,1,2-Trichlorotrifluoroethan	1.0		U
75-35-4	1,1-Dichloroethene	1.0		U
67-64-1	Acetone	2.0		U
75-15-0	Carbon disulfide	1.0		U
75-09-2	Methylene chloride	1.0		U
75-65-0	tert-Butyl Alcohol	10		U
156-60-5	trans-1,2-Dichloroethene	1.0		U
1634-04-4	Methyl-tert butyl ether	1.0		U
107-13-1	Acrylonitrile	1.0		U
75-34-3	1,1-Dichloroethane	1.0		U
108-05-4	Vinyl acetate	10		U
594-20-7	2,2-Dichloropropane	1.0		U
156-59-2	cis-1,2-Dichloroethene	1.0		U
78-93-3	2-Butanone	2.0		U
74-97-1	Bromochloromethane	1.0		U
67-66-3	Chloroform	1.0		U
71-55-6	1,1,1-Trichloroethane	1.0		U
56-23-1	Carbon tetrachloride	1.0		U
563-58-6	1,1-Dichloropropene	1.0		U
71-43-2	Benzene	0.50		U
107-06-2	1,2-Dichloroethane	1.0		U
79-01-6	Trichloroethene	1.0		U
74-95-3	Dibromomethane	1.0		U
75-27-4	Bromodichloromethane	1.0		U
10061-01-5	cis-1,3-Dichloropropene	1.0		U
108-10-1	4-Methyl-2-pentanone	10		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-2
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700166-0002	**Project:**	Idaho Linen
Lab File ID:	T8670.D	**Sample Matrix:**	Waste Water
Instrument ID:	GC/MS VOA#5	**Sampling Date:**	1/10/2007
Analyst:	WRF	**Analysis Date**	1/13/2007 19:58:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 ML	**Nominal Amount:**	5 ML
Dilution Factor:	1	**Method:**	SW846 8260B

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
108-88-3	Toluene	1.0		U
10061-02-6	trans-1,3-Dichloropropene	1.0		U
79-00-1	1,1,2-Trichloroethane	1.0		U
127-18-4	Tetrachloroethene	1.0	1.4	
142-28-9	1,3-Dichloropropane	1.0		U
591-78-6	2-Hexanone	10		U
124-48-1	Dibromochloromethane	1.0		U
106-93-4	1,2-Dibromoethane	1.0		U
108-90-7	Chlorobenzene	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	1.0		U
100-41-4	Ethylbenzene	1.0		U
108-38-3	Xylene (para & meta)	1.0		U
95-47-6	Xylene (Ortho)	1.0		U
100-42-1	Styrene	1.0		U
75-25-2	Bromoform	1.0		U
98-82-8	Isopropylbenzene	1.0		U
108-86-1	Bromobenzene	1.0		U
79-34-1	1,1,2,2-Tetrachloroethane	1.0		U
96-18-4	1,2,3-Trichloropropane	1.0		U
103-65-1	n-Propylbenzene	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	2.0		U
95-49-8	2-Chlorotoluene	1.0		U
106-43-4	4-Chlorotoluene	1.0		U
108-67-8	1,3,5-Trimethylbenzene	1.0		U
98-06-6	tert-Butylbenzene	1.0		U
95-63-6	1,2,4-Trimethylbenzene	1.0		U
135-98-8	sec-Butylbenzene	1.0		U
541-73-1	1,3-Dichlorobenzene	1.0		U
99-87-6	4-Isopropyltoluene	1.0		U
106-46-7	1,4-Dichlorobenzene	1.0		U
95-50-1	1,2-Dichlorobenzene	1.0		U
104-51-8	n-Butylbenzene	1.0		U
67-72-1	Hexachloroethane	1.0		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-2
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	**010700166-0002**	**Project:**	Idaho Linen
Lab File ID:	T8670.D	**Sample Matrix:**	Waste Water
Instrument ID:	GC/MS VOA#5	**Sampling Date:**	1/10/2007
Analyst:	WRF	**Analysis Date**	1/13/2007 19:58:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 ML	**Nominal Amount:**	5 ML
Dilution Factor:	1	**Method:**	SW846 8260B

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
96-12-8	1,2-Dibromo-3-chloropropane	1.0		U
120-82-1	1,2,4-Trichlorobenzene	1.0		U
87-68-3	Hexachlorobutadiene	1.0		U
91-20-3	Naphthalene	1.0		U
87-61-6	1,2,3-Trichlorobenzene	1.0		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-3
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700166-0003	**Project:**	Idaho Linen
Lab File ID:	T8671.D	**Sample Matrix:**	Waste Water
Instrument ID:	GC/MS VOA#5	**Sampling Date:**	1/10/2007
Analyst:	WRF	**Analysis Date**	1/13/2007 20:40:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 ML	**Nominal Amount:**	5 ML
Dilution Factor:	1	**Method:**	SW846 8260B

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
75-71-8	Dichlorodifluoromethane	1.0		U
74-87-3	Chloromethane	1.0		U
75-01-4	Vinyl chloride	1.0		U
74-83-9	Bromomethane	5.0		U
75-00-3	Chloroethane	1.0		U
75-69-4	Trichlorofluoromethane	1.0		U
107-02-8	Acrolein	25		U
76-13-1	Freon 113(1,1,2-Trichlorotrifluoroethan	1.0		U
75-35-4	1,1-Dichloroethene	1.0		U
67-64-1	Acetone	2.0		U
75-15-0	Carbon disulfide	1.0		U
75-09-2	Methylene chloride	1.0		U
75-65-0	tert-Butyl Alcohol	10		U
156-60-5	trans-1,2-Dichloroethene	1.0		U
1634-04-4	Methyl-tert butyl ether	1.0		U
107-13-1	Acrylonitrile	1.0		U
75-34-3	1,1-Dichloroethane	1.0		U
108-05-4	Vinyl acetate	10		U
594-20-7	2,2-Dichloropropane	1.0		U
156-59-2	cis-1,2-Dichloroethene	1.0		U
78-93-3	2-Butanone	2.0		U
74-97-1	Bromochloromethane	1.0		U
67-66-3	Chloroform	1.0		U
71-55-6	1,1,1-Trichloroethane	1.0		U
56-23-1	Carbon tetrachloride	1.0		U
563-58-6	1,1-Dichloropropene	1.0		U
71-43-2	Benzene	0.50		U
107-06-2	1,2-Dichloroethane	1.0		U
79-01-6	Trichloroethene	1.0		U
74-95-3	Dibromomethane	1.0		U
75-27-4	Bromodichloromethane	1.0		U
10061-01-5	cis-1,3-Dichloropropene	1.0		U
108-10-1	4-Methyl-2-pentanone	10		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-3
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700166-0003	**Project:**	Idaho Linen
Lab File ID:	T8671.D	**Sample Matrix:**	Waste Water
Instrument ID:	GC/MS VOA#5	**Sampling Date:**	1/10/2007
Analyst:	WRF	**Analysis Date**	1/13/2007 20:40:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 ML	**Nominal Amount:**	5 ML
Dilution Factor:	1	**Method:**	SW846 8260B

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
108-88-3	Toluene	1.0		U
10061-02-6	trans-1,3-Dichloropropene	1.0		U
79-00-1	1,1,2-Trichloroethane	1.0		U
127-18-4	Tetrachloroethene	1.0		U
142-28-9	1,3-Dichloropropane	1.0		U
591-78-6	2-Hexanone	10		U
124-48-1	Dibromochloromethane	1.0		U
106-93-4	1,2-Dibromoethane	1.0		U
108-90-7	Chlorobenzene	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	1.0		U
100-41-4	Ethylbenzene	1.0		U
108-38-3	Xylene (para & meta)	1.0		U
95-47-6	Xylene (Ortho)	1.0		U
100-42-1	Styrene	1.0		U
75-25-2	Bromoform	1.0		U
98-82-8	Isopropylbenzene	1.0		U
108-86-1	Bromobenzene	1.0		U
79-34-1	1,1,2,2-Tetrachloroethane	1.0		U
96-18-4	1,2,3-Trichloropropane	1.0		U
103-65-1	n-Propylbenzene	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	2.0		U
95-49-8	2-Chlorotoluene	1.0		U
106-43-4	4-Chlorotoluene	1.0		U
108-67-8	1,3,5-Trimethylbenzene	1.0		U
98-06-6	tert-Butylbenzene	1.0		U
95-63-6	1,2,4-Trimethylbenzene	1.0		U
135-98-8	sec-Butylbenzene	1.0		U
541-73-1	1,3-Dichlorobenzene	1.0		U
99-87-6	4-Isopropyltoluene	1.0		U
106-46-7	1,4-Dichlorobenzene	1.0		U
95-50-1	1,2-Dichlorobenzene	1.0		U
104-51-8	n-Butylbenzene	1.0		U
67-72-1	Hexachloroethane	1.0		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	MW-3
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	**010700166-0003**	**Project:**	Idaho Linen
Lab File ID:	T8671.D	**Sample Matrix:**	Waste Water
Instrument ID:	GC/MS VOA#5	**Sampling Date:**	1/10/2007
Analyst:	WRF	**Analysis Date**	1/13/2007 20:40:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 ML	**Nominal Amount:**	5 ML
Dilution Factor:	1	**Method:**	SW846 8260B

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
96-12-8	1,2-Dibromo-3-chloropropane	1.0		U
120-82-1	1,2,4-Trichlorobenzene	1.0		U
87-68-3	Hexachlorobutadiene	1.0		U
91-20-3	Naphthalene	1.0		U
87-61-6	1,2,3-Trichlorobenzene	1.0		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Renewal
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	**010700166-0004**	**Project:**	Idaho Linen
Lab File ID:	T8672.D	**Sample Matrix:**	Waste Water
Instrument ID:	GC/MS VOA#5	**Sampling Date:**	1/10/2007
Analyst:	WRF	**Analysis Date**	1/13/2007 21:22:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 ML	**Nominal Amount:**	5 ML
Dilution Factor:	1	**Method:**	SW846 8260B

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
75-71-8	Dichlorodifluoromethane	1.0		U
74-87-3	Chloromethane	1.0		U
75-01-4	Vinyl chloride	1.0		U
74-83-9	Bromomethane	5.0		U
75-00-3	Chloroethane	1.0		U
75-69-4	Trichlorofluoromethane	1.0		U
107-02-8	Acrolein	25		U
76-13-1	Freon 113(1,1,2-Trichlorotrifluoroethan	1.0		U
75-35-4	1,1-Dichloroethene	1.0		U
67-64-1	Acetone	2.0		U
75-15-0	Carbon disulfide	1.0		U
75-09-2	Methylene chloride	1.0		U
75-65-0	tert-Butyl Alcohol	10		U
156-60-5	trans-1,2-Dichloroethene	1.0		U
1634-04-4	Methyl-tert butyl ether	1.0		U
107-13-1	Acrylonitrile	1.0		U
75-34-3	1,1-Dichloroethane	1.0		U
108-05-4	Vinyl acetate	10		U
594-20-7	2,2-Dichloropropane	1.0		U
156-59-2	cis-1,2-Dichloroethene	1.0		U
78-93-3	2-Butanone	2.0		U
74-97-1	Bromochloromethane	1.0		U
67-66-3	Chloroform	1.0		U
71-55-6	1,1,1-Trichloroethane	1.0		U
56-23-1	Carbon tetrachloride	1.0		U
563-58-6	1,1-Dichloropropene	1.0		U
71-43-2	Benzene	0.50		U
107-06-2	1,2-Dichloroethane	1.0		U
79-01-6	Trichloroethene	1.0		U
74-95-3	Dibromomethane	1.0		U
75-27-4	Bromodichloromethane	1.0		U
10061-01-5	cis-1,3-Dichloropropene	1.0		U
108-10-1	4-Methyl-2-pentanone	10		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Renewal
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700166-0004	**Project:**	Idaho Linen
Lab File ID:	T8672.D	**Sample Matrix:**	Waste Water
Instrument ID:	GC/MS VOA#5	**Sampling Date:**	1/10/2007
Analyst:	WRF	**Analysis Date**	1/13/2007 21:22:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 ML	**Nominal Amount:**	5 ML
Dilution Factor:	1	**Method:**	SW846 8260B

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
108-88-3	Toluene	1.0		U
10061-02-6	trans-1,3-Dichloropropene	1.0		U
79-00-1	1,1,2-Trichloroethane	1.0		U
127-18-4	Tetrachloroethene	1.0		U
142-28-9	1,3-Dichloropropane	1.0		U
591-78-6	2-Hexanone	10		U
124-48-1	Dibromochloromethane	1.0		U
106-93-4	1,2-Dibromoethane	1.0		U
108-90-7	Chlorobenzene	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	1.0		U
100-41-4	Ethylbenzene	1.0		U
108-38-3	Xylene (para & meta)	1.0		U
95-47-6	Xylene (Ortho)	1.0		U
100-42-1	Styrene	1.0		U
75-25-2	Bromoform	1.0		U
98-82-8	Isopropylbenzene	1.0		U
108-86-1	Bromobenzene	1.0		U
79-34-1	1,1,2,2-Tetrachloroethane	1.0		U
96-18-4	1,2,3-Trichloropropane	1.0		U
103-65-1	n-Propylbenzene	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	2.0		U
95-49-8	2-Chlorotoluene	1.0		U
106-43-4	4-Chlorotoluene	1.0		U
108-67-8	1,3,5-Trimethylbenzene	1.0		U
98-06-6	tert-Butylbenzene	1.0		U
95-63-6	1,2,4-Trimethylbenzene	1.0		U
135-98-8	sec-Butylbenzene	1.0		U
541-73-1	1,3-Dichlorobenzene	1.0		U
99-87-6	4-Isopropyltoluene	1.0		U
106-46-7	1,4-Dichlorobenzene	1.0		U
95-50-1	1,2-Dichlorobenzene	1.0		U
104-51-8	n-Butylbenzene	1.0		U
67-72-1	Hexachloroethane	1.0		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Renewal
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	**010700166-0004**	**Project:**	Idaho Linen
Lab File ID:	T8672.D	**Sample Matrix:**	Waste Water
Instrument ID:	GC/MS VOA#5	**Sampling Date:**	1/10/2007
Analyst:	WRF	**Analysis Date**	1/13/2007 21:22:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 ML	**Nominal Amount:**	5 ML
Dilution Factor:	1	**Method:**	SW846 8260B

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
96-12-8	1,2-Dibromo-3-chloropropane	1.0		U
120-82-1	1,2,4-Trichlorobenzene	1.0		U
87-68-3	Hexachlorobutadiene	1.0		U
91-20-3	Naphthalene	1.0		U
87-61-6	1,2,3-Trichlorobenzene	1.0		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Simplot
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	**010700166-0005**	**Project:**	Idaho Linen
Lab File ID:	T8673.D	**Sample Matrix:**	Waste Water
Instrument ID:	GC/MS VOA#5	**Sampling Date:**	1/10/2007
Analyst:	WRF	**Analysis Date**	1/13/2007 22:04:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 ML	**Nominal Amount:**	5 ML
Dilution Factor:	1	**Method:**	SW846 8260B

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
75-71-8	Dichlorodifluoromethane	1.0		U
74-87-3	Chloromethane	1.0		U
75-01-4	Vinyl chloride	1.0		U
74-83-9	Bromomethane	5.0		U
75-00-3	Chloroethane	1.0		U
75-69-4	Trichlorofluoromethane	1.0		U
107-02-8	Acrolein	25		U
76-13-1	Freon 113(1,1,2-Trichlorotrifluoroethan	1.0		U
75-35-4	1,1-Dichloroethene	1.0		U
67-64-1	Acetone	2.0		U
75-15-0	Carbon disulfide	1.0		U
75-09-2	Methylene chloride	1.0		U
75-65-0	tert-Butyl Alcohol	10		U
156-60-5	trans-1,2-Dichloroethene	1.0		U
1634-04-4	Methyl-tert butyl ether	1.0		U
107-13-1	Acrylonitrile	1.0		U
75-34-3	1,1-Dichloroethane	1.0		U
108-05-4	Vinyl acetate	10		U
594-20-7	2,2-Dichloropropane	1.0		U
156-59-2	cis-1,2-Dichloroethene	1.0		U
78-93-3	2-Butanone	2.0		U
74-97-1	Bromochloromethane	1.0		U
67-66-3	Chloroform	1.0		U
71-55-6	1,1,1-Trichloroethane	1.0		U
56-23-1	Carbon tetrachloride	1.0		U
563-58-6	1,1-Dichloropropene	1.0		U
71-43-2	Benzene	0.50		U
107-06-2	1,2-Dichloroethane	1.0		U
79-01-6	Trichloroethene	1.0		U
74-95-3	Dibromomethane	1.0		U
75-27-4	Bromodichloromethane	1.0		U
10061-01-5	cis-1,3-Dichloropropene	1.0		U
108-10-1	4-Methyl-2-pentanone	10		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Simplot
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700166-0005	**Project:**	Idaho Linen
Lab File ID:	T8673.D	**Sample Matrix:**	Waste Water
Instrument ID:	GC/MS VOA#5	**Sampling Date:**	1/10/2007
Analyst:	WRF	**Analysis Date**	1/13/2007 22:04.00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 ML	**Nominal Amount:**	5 ML
Dilution Factor:	1	**Method:**	SW846 8260B

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
108-88-3	Toluene	1.0		U
10061-02-6	trans-1,3-Dichloropropene	1.0		U
79-00-1	1,1,2-Trichloroethane	1.0		U
127-18-4	Tetrachloroethene	1.0	11	
142-28-9	1,3-Dichloropropane	1.0		U
591-78-6	2-Hexanone	10		U
124-48-1	Dibromochloromethane	1.0		U
106-93-4	1,2-Dibromoethane	1.0		U
108-90-7	Chlorobenzene	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	1.0		U
100-41-4	Ethylbenzene	1.0		U
108-38-3	Xylene (para & meta)	1.0		U
95-47-6	Xylene (Ortho)	1.0		U
100-42-1	Styrene	1.0		U
75-25-2	Bromoform	1.0		U
98-82-8	Isopropylbenzene	1.0		U
108-86-1	Bromobenzene	1.0		U
79-34-1	1,1,2,2-Tetrachloroethane	1.0		U
96-18-4	1,2,3-Trichloropropane	1.0		U
103-65-1	n-Propylbenzene	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	2.0		U
95-49-8	2-Chlorotoluene	1.0		U
106-43-4	4-Chlorotoluene	1.0		U
108-67-8	1,3,5-Trimethylbenzene	1.0		U
98-06-6	tert-Butylbenzene	1.0		U
95-63-6	1,2,4-Trimethylbenzene	1.0		U
135-98-8	sec-Butylbenzene	1.0		U
541-73-1	1,3-Dichlorobenzene	1.0		U
99-87-6	4-Isopropyltoluene	1.0		U
106-46-7	1,4-Dichlorobenzene	1.0		U
95-50-1	1,2-Dichlorobenzene	1.0		U
104-51-8	n-Butylbenzene	1.0		U
67-72-1	Hexachloroethane	1.0		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Simplot
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	**010700166-0005**	**Project:**	Idaho Linen
Lab File ID:	T8673.D	**Sample Matrix:**	Waste Water
Instrument ID:	GC/MS VOA#5	**Sampling Date:**	1/10/2007
Analyst:	WRF	**Analysis Date**	1/13/2007 22:04:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 ML	**Nominal Amount:**	5 ML
Dilution Factor:	1	**Method:**	SW846 8260B

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
96-12-8	1,2-Dibromo-3-chloropropane	1.0		U
120-82-1	1,2,4-Trichlorobenzene	1.0		U
87-68-3	Hexachlorobutadiene	1.0		U
91-20-3	Naphthalene	1.0		U
87-61-6	1,2,3-Trichlorobenzene	1.0		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Duplicate
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700166-0006	**Project:**	Idaho Linen
Lab File ID:	T8674.D	**Sample Matrix:**	Waste Water
Instrument ID:	GC/MS VOA#5	**Sampling Date:**	1/10/2007
Analyst:	WRF	**Analysis Date**	1/13/2007 22:45:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 ML	**Nominal Amount:**	5 ML
Dilution Factor:	1	**Method:**	SW846 8260B

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
75-71-8	Dichlorodifluoromethane	1.0		U
74-87-3	Chloromethane	1.0		U
75-01-4	Vinyl chloride	1.0		U
74-83-9	Bromomethane	5.0		U
75-00-3	Chloroethane	1.0		U
75-69-4	Trichlorofluoromethane	1.0	1.7	
107-02-8	Acrolein	25		U
76-13-1	Freon 113(1,1,2-Trichlorotrifluoroethan	1.0		U
75-35-4	1,1-Dichloroethene	1.0		U
67-64-1	Acetone	2.0		U
75-15-0	Carbon disulfide	1.0		U
75-09-2	Methylene chloride	1.0		U
75-65-0	tert-Butyl Alcohol	10		U
156-60-5	trans-1,2-Dichloroethene	1.0		U
1634-04-4	Methyl-tert butyl ether	1.0		U
107-13-1	Acrylonitrile	1.0		U
75-34-3	1,1-Dichloroethane	1.0		U
108-05-4	Vinyl acetate	10		U
594-20-7	2,2-Dichloropropane	1.0		U
156-59-2	cis-1,2-Dichloroethene	1.0		U
78-93-3	2-Butanone	2.0		U
74-97-1	Bromochloromethane	1.0		U
67-66-3	Chloroform	1.0		U
71-55-6	1,1,1-Trichloroethane	1.0		U
56-23-1	Carbon tetrachloride	1.0		U
563-58-6	1,1-Dichloropropene	1.0		U
71-43-2	Benzene	0.50		U
107-06-2	1,2-Dichloroethane	1.0		U
79-01-6	Trichloroethene	1.0		U
74-95-3	Dibromomethane	1.0		U
75-27-4	Bromodichloromethane	1.0		U
10061-01-5	cis-1,3-Dichloropropene	1.0		U
108-10-1	4-Methyl-2-pentanone	10		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Duplicate
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700166-0006	**Project:**	Idaho Linen
Lab File ID:	T8674.D	**Sample Matrix:**	Waste Water
Instrument ID:	GC/MS VOA#5	**Sampling Date:**	1/10/2007
Analyst:	WRF	**Analysis Date**	1/13/2007 22:45:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 ML	**Nominal Amount:**	5 ML
Dilution Factor:	1	**Method:**	SW846 8260B

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
108-88-3	Toluene	1.0		U
10061-02-6	trans-1,3-Dichloropropene	1.0		U
79-00-1	1,1,2-Trichloroethane	1.0		U
127-18-4	Tetrachloroethene	1.0	4.6	
142-28-9	1,3-Dichloropropane	1.0		U
591-78-6	2-Hexanone	10		U
124-48-1	Dibromochloromethane	1.0		U
106-93-4	1,2-Dibromoethane	1.0		U
108-90-7	Chlorobenzene	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	1.0		U
100-41-4	Ethylbenzene	1.0		U
108-38-3	Xylene (para & meta)	1.0		U
95-47-6	Xylene (Ortho)	1.0		U
100-42-1	Styrene	1.0		U
75-25-2	Bromoform	1.0		U
98-82-8	Isopropylbenzene	1.0		U
108-86-1	Bromobenzene	1.0		U
79-34-1	1,1,2,2-Tetrachloroethane	1.0		U
96-18-4	1,2,3-Trichloropropane	1.0		U
103-65-1	n-Propylbenzene	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	2.0		U
95-49-8	2-Chlorotoluene	1.0		U
106-43-4	4-Chlorotoluene	1.0		U
108-67-8	1,3,5-Trimethylbenzene	1.0		U
98-06-6	tert-Butylbenzene	1.0		U
95-63-6	1,2,4-Trimethylbenzene	1.0		U
135-98-8	sec-Butylbenzene	1.0		U
541-73-1	1,3-Dichlorobenzene	1.0		U
99-87-6	4-Isopropyltoluene	1.0		U
106-46-7	1,4-Dichlorobenzene	1.0		U
95-50-1	1,2-Dichlorobenzene	1.0		U
104-51-8	n-Butylbenzene	1.0		U
67-72-1	Hexachloroethane	1.0		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Duplicate
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010700166-0006	**Project:**	Idaho Linen
Lab File ID:	T8674.D	**Sample Matrix:**	Waste Water
Instrument ID:	GC/MS VOA#5	**Sampling Date:**	1/10/2007
Analyst:	WRF	**Analysis Date**	1/13/2007 22:45:00
GC Column:	RTX-502.2 (0.25 mm)	**Level (low/med):**	LOW
Sample wt/vol:	5 ML	**Nominal Amount:**	5 ML
Dilution Factor:	1	**Method:**	SW846 8260B

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
96-12-8	1,2-Dibromo-3-chloropropane	1.0		U
120-82-1	1,2,4-Trichlorobenzene	1.0		U
87-68-3	Hexachlorobutadiene	1.0		U
91-20-3	Naphthalene	1.0		U
87-61-6	1,2,3-Trichlorobenzene	1.0		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

Appendix B

Sampling Results from Limited Phase II ESA

Table 1. Soil Boring Data for Volatile Organic Compounds (VOCs) (1 of 6)

Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B
Parameter	Acetone		Acrylonitrile		Benzene		Bromobenzene		Bromodi-chloromethane		Bromoform		Bromomethane		n-Butylbenzene		sec-Butylbenzene		tert-Butylbenzene		Carbon tetrachloride		Chlorobenzene		Chlorodi-bromomethane		Analytical Data Package Validation Stage
Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		
ID IDTL Soil	17.4		0.000194		0.0178		NS		0.00268		0.0292		0.0501		NS		1.17		0.852		0.0114		0.618		0.00202		
Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
MW-4-2	**0.034**	J	**<0.0037**	US	**0.0028**		<0.00039	U	<0.00037	U	<0.00042	U	<0.0021	U	<0.00040	U	<0.00038	U	<0.00037	U	<0.00044	U	<0.00038	U	<0.00042	U	S2AVM
MW-5-3	<0.023	U	**<0.0031**	US	**0.0012**	J	<0.00034	U	<0.00031	U	<0.00036	U	<0.0018	U	<0.00034	U	<0.00032	U	<0.00031	U	<0.00038	U	<0.00032	U	<0.00036	U	S2AVM
MW-6-2	**0.034**	J	**<0.0031**	US	**0.0011**	J	<0.00034	U	<0.00031	U	<0.00036	U	<0.0018	U	<0.00034	U	<0.00032	U	<0.00031	U	<0.00038	U	<0.00032	U	<0.00036	U	S2AVM
SB-1-1	**0.064**	J	**<0.0038**	US	**0.0031**		<0.00040	U	<0.00038	U	<0.00043	U	<0.0021	U	<0.00041	U	<0.00038	U	<0.00038	U	<0.00045	U	<0.00039	U	<0.00043	U	S2AVM
SB-1-1-D	<0.023	U	**<0.0031**	US	**0.0017**		<0.00034	U	<0.00031	U	<0.00036	U	<0.0018	U	<0.00034	U	<0.00032	U	<0.00031	U	<0.00038	U	<0.00032	U	<0.00036	U	S2AVM
SB-1-4.5	<0.023	U	**<0.0031**	US	**0.0019**		<0.00034	U	<0.00031	U	<0.00036	U	<0.0018	U	<0.00034	U	<0.00032	U	<0.00031	U	<0.00038	U	<0.00032	U	<0.00036	U	S2AVM
SB-2-2	**0.042**	J	**<0.0031**	US	<0.00034	U	<0.00034	U	<0.00031	U	<0.00036	U	<0.0018	U	<0.00034	U	<0.00032	U	<0.00031	U	<0.00038	U	<0.00032	U	<0.00036	U	S2AVM
SB-3-2	**0.076**		**<0.0031**	US	<0.00034	U	<0.00034	U	<0.00031	U	<0.00036	U	<0.0018	U	<0.00034	U	<0.00032	U	<0.00031	U	<0.00038	U	<0.00032	U	<0.00036	U	S2AVM
SB-3-4	**0.038**	J	**<0.0031**	US	**0.0012**		<0.00034	U	<0.00031	U	<0.00036	U	<0.0018	U	<0.00034	U	<0.00032	U	<0.00031	U	<0.00038	U	<0.00032	U	<0.00036	U	S2AVM
SB-4-1	<0.023	U	**<0.0031**	US	<0.00034	U	<0.00034	U	<0.00031	U	<0.00036	U	<0.0018	U	<0.00034	U	<0.00032	U	<0.00031	U	<0.00038	U	<0.00032	U	<0.00036	U	S2AVM
SB-5-1	**0.076**		**<0.0031**	US	**0.0018**		<0.00034	U	<0.00031	U	<0.00036	U	<0.0018	U	<0.00034	U	<0.00032	U	<0.00031	U	<0.00038	U	<0.00032	U	<0.00036	U	S2AVM
SB-7-1.5	**0.062**	J	**<0.0037**	US	**0.005**		<0.00039	U	<0.00037	U	<0.00042	U	<0.0021	U	<0.00040	U	<0.00038	U	<0.00037	U	<0.00044	U	<0.00038	U	<0.00042	U	S2AVM
SB-7-5.5	<0.023	U	**<0.0031**	US	<0.00034	U	<0.00034	U	<0.00031	U	<0.00036	U	<0.0018	U	<0.00034	U	<0.00032	U	<0.00031	U	<0.00038	U	<0.00032	U	<0.00036	U	S2AVM
SB-8-1	**0.059**	J	**<0.0036**	US	<0.00039	U	<0.00039	U	<0.00036	U	<0.00042	U	<0.0020	U	<0.00040	U	<0.00037	U	<0.00036	U	<0.00044	U	<0.00038	U	<0.00041	U	S2AVM
SB-9-1	**0.043**	J	**<0.0034**	US	**0.00054**	J	<0.00036	U	<0.00034	U	<0.00039	U	<0.0019	U	<0.00037	U	<0.00035	U	<0.00034	U	<0.00041	U	<0.00035	U	<0.00038	U	S2AVM
SB-10-2	**0.048**	J	**<0.0038**	US	**0.00068**	J	<0.00041	U	<0.00038	U	<0.00044	U	<0.0021	U	<0.00042	U	<0.00039	U	<0.00038	U	<0.00045	U	<0.00039	U	<0.00043	U	S2AVM
SB-10-2-D	**0.049**	J	**<0.0037**	US	**0.00052**	J	<0.00040	U	<0.00037	U	<0.00042	U	<0.0021	U	<0.00040	U	<0.00038	U	<0.00037	U	<0.00044	U	<0.00038	U	<0.00042	U	S2AVM

Yellow Highlight/Bold: Detected value above regulatory standard.

Bold: Detected value below regulatory standard.

JH^{QC} Qualifier: Estimated value with potential high bias due to internal standard exhibited poor recovery due to sample matrix interference.

J qualifier: Estimated value; detected above the method detection limit but below the reporting limit.

U Qualifier: qualified as not detected

Shaded/US Qualifier: Sensitivity issue; Not detected at reporting limit that exceeds regulatory standard

Table 1. Soil Boring Data for Volatile Organic Compounds (VOCs) (2 of 6)

Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B
Parameter	Chloroethane		2-Chloroethyl vinyl ether		Chloroform		Chloromethane		2-Chlorotoluene		4-Chlorotoluene		1,2-Dibromo-3-Chloropropane		1,2-Dibromoethane		Dibromomethane		1,2-Dichlorobenzene		1,3-Dichlorobenzene		1,4-Dichlorobenzene		Analytical Data Package Validation Stage
Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		
ID IDTL Soil	0.0533		NS		0.00564		0.0231		1.56		NS		0.000975		NS		NS		5.25		0.229		0.0755		
Sample ID	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	
MW-4-2	<0.0014	U	<0.0020	U	**0.0032**	J	<0.00081	U	<0.00037	U	<0.00033	U	<0.0023	US	<0.00044	U	<0.00041	U	<0.00041		<0.00039	U	<0.00038		S2AVM
MW-5-3	<0.0012	U	<0.0018	U	<0.00043		<0.00070	U	<0.00032	U	<0.00028	U	<0.0020	US	<0.00037	U	<0.00035	U	<0.00035		<0.00033	U	<0.00032		S2AVM
MW-6-2	<0.0012	U	<0.0018	U	<0.00043		<0.00070	U	<0.00032	U	<0.00028	U	<0.0020	US	<0.00037	U	<0.00035	U	<0.00035		<0.00033	U	<0.00032		S2AVM
SB-1-1	<0.0014	U	<0.0021	U	**0.0067**	J	<0.00084	U	<0.00038	U	<0.00034	U	<0.0024	US	<0.00045	U	<0.00042	U	<0.00042		<0.00040	U	<0.00039		S2AVM
SB-1-1-D	<0.0012	U	<0.0018	U	**0.004**	J	<0.00070	U	<0.00032	U	<0.00028	U	<0.0020	US	<0.00037	U	<0.00035	U	<0.00035		<0.00033	U	<0.00032		S2AVM
SB-1-4.5	<0.0012	U	<0.0018	U	<0.00043		<0.00070	U	<0.00032	U	<0.00028	U	<0.0020	US	<0.00037	U	<0.00035	U	<0.00035		<0.00033	U	<0.00032		S2AVM
SB-2-2	<0.0012	U	<0.0018	U	<0.00043		<0.00070	U	<0.00032	U	<0.00028	U	<0.0020	US	<0.00037	U	<0.00035	U	<0.00035		<0.00033	U	<0.00032		S2AVM
SB-3-2	<0.0012	U	<0.0018	U	<0.00043		<0.00070	U	<0.00032	U	<0.00028	U	<0.0020	US	<0.00037	U	<0.00035	U	<0.00035		<0.00033	U	<0.00032		S2AVM
SB-3-4	<0.0012	U	<0.0018	U	<0.00043		<0.00070	U	<0.00032	U	<0.00028	U	<0.0020	US	<0.00037	U	<0.00035	U	<0.00035		<0.00033	U	<0.00032		S2AVM
SB-4-1	<0.0012	U	<0.0018	U	<0.00043		<0.00070	U	<0.00032	U	<0.00028	U	<0.0020	US	<0.00037	U	<0.00035	U	<0.00035		<0.00033	U	<0.00032		S2AVM
SB-5-1	<0.0012	U	<0.0018	U	<0.00043		<0.00070	U	<0.00032	U	<0.00028	U	<0.0020	US	<0.00037	U	<0.00035	U	<0.00035		<0.00033	U	<0.00032		S2AVM
SB-7-1.5	<0.0014	U	<0.0020	U	**0.008**		<0.00081	U	<0.00037	U	<0.00033	U	<0.0023	US	<0.00044	U	<0.00041	U	**0.0061**	JH^{QC}	<0.00039	U	**0.0054**	JH^{QC}	S2AVM
SB-7-5.5	<0.0012	U	<0.0018	U	<0.00043		<0.00070	U	<0.00032	U	<0.00028	U	<0.0020	US	<0.00037	U	<0.00035	U	<0.00035		<0.00033	U	<0.00032		S2AVM
SB-8-1	<0.0014	U	<0.0020	U	<0.00050		<0.00081	U	<0.00037	U	<0.00033	U	<0.0023	US	<0.00043	U	<0.00041	U	<0.00040		<0.00039	U	<0.00037		S2AVM
SB-9-1	<0.0013	U	<0.0019	U	<0.00046		<0.00075	U	<0.00034	U	<0.00031	U	<0.0021	US	<0.00040	U	<0.00038	U	<0.00038		<0.00036	U	<0.00035		S2AVM
SB-10-2	<0.0014	U	<0.0021	U	**0.0018**	J	<0.00084	U	<0.00038	U	<0.00034	U	<0.0024	US	<0.00045	U	<0.00042	U	<0.00042		<0.00040	U	<0.00039		S2AVM
SB-10-2-D	<0.0014	U	<0.0021	U	**0.0016**	J	<0.00082	U	<0.00038	U	<0.00034	U	<0.0023	US	<0.00044	U	<0.00042	U	<0.00041		<0.00039	U	<0.00038		S2AVM

Yellow Highlight/Bold: Detected value above regulatory standard.

Bold: Detected value below regulatory standard.

JH^{QC} Qualifier: Estimated value with potential high bias due to internal standard exhibited poor recovery due to sample matrix interference.

J qualifier: Estimated value; detected above the method detection limit but below the reporting limit.

U Qualifier: qualified as not detected

Shaded/US Qualifier: Sensitivity issue; Not detected at reporting limit that exceeds regulatory standard.

Table 1. Soil Boring Data for Volatile Organic Compounds (VOCs) (3 of 6)

Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B
Parameter	Dichloro-difluoromethane		1,1-Dichloroethane		1,2-Dichloroethane		1,1-Dichloroethene		cis-1,2-Dichloroethene		trans-1,2-Dichloroethene		1,2-Dichloropropane		1,1-Dichloropropene		1,3-Dichloropropane		cis-1,3-Dichloropropene		trans-1,3-Dichloropropene		2,2-Dichloropropane		Analytical Data Package Validation Stage
Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		
ID IDTL Soil	2.96		3.48		0.00767		0.0388		0.193		0.365		0.0089		NS		NS		0.00245		0.00245		NS		
Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
MW-4-2	<0.00090	U	<0.00046	U	<0.00046	U	<0.00073	U	**39**		**0.22**		<0.00076	U	<0.00045	U	<0.00040	U	<0.00045	U	<0.00040	U	<0.00046	U	S2AVM
MW-5-3	<0.00077	U	<0.00040	U	<0.00040	U	<0.00063	U	<0.00036	U	<0.00039	U	<0.00065	U	<0.00039	U	<0.00034	U	<0.00038	U	<0.00034	U	<0.00040	U	S2AVM
MW-6-2	<0.00077	U	<0.00040	U	<0.00040	U	<0.00063	U	<0.00036	U	<0.00039	U	<0.00065	U	<0.00039	U	<0.00034	U	<0.00038	U	<0.00034	U	<0.00040	U	S2AVM
SB-1-1	<0.00092	U	<0.00047	U	<0.00048	U	<0.00075	U	**3.5**		**0.047**		<0.00078	U	<0.00046	U	<0.00041	U	<0.00046	U	<0.00041	U	<0.00048	U	S2AVM
SB-1-1-D	<0.00077	U	<0.00040	U	<0.00040	U	<0.00063	U	**4.8**		**0.024**		<0.00065	U	<0.00039	U	<0.00034	U	<0.00038	U	<0.00034	U	<0.00040	U	S2AVM
SB-1-4.5	<0.00077	U	<0.00040	U	<0.00040	U	<0.00063	U	**0.02**		**0.0013**		<0.00065	U	<0.00039	U	<0.00034	U	<0.00038	U	<0.00034	U	<0.00040	U	S2AVM
SB-2-2	<0.00077	U	<0.00040	U	<0.00040	U	<0.00063	U	**0.0036**		<0.00039	U	<0.00065	U	<0.00039	U	<0.00034	U	<0.00038	U	<0.00034	U	<0.00040	U	S2AVM
SB-3-2	<0.00077	U	<0.00040	U	<0.00040	U	<0.00063	U	<0.00036	U	<0.00039	U	<0.00065	U	<0.00039	U	<0.00034	U	<0.00038	U	<0.00034	U	<0.00040	U	S2AVM
SB-3-4	<0.00077	U	<0.00040	U	<0.00040	U	<0.00063	U	<0.00036	U	<0.00039	U	<0.00065	U	<0.00039	U	<0.00034	U	<0.00038	U	<0.00034	U	<0.00040	U	S2AVM
SB-4-1	<0.00077	U	<0.00040	U	<0.00040	U	<0.00063	U	<0.00036	U	<0.00039	U	<0.00065	U	<0.00039	U	<0.00034	U	<0.00038	U	<0.00034	U	<0.00040	U	S2AVM
SB-5-1	<0.00077	U	<0.00040	U	<0.00040	U	<0.00063	U	<0.00036	U	<0.00039	U	<0.00065	U	<0.00039	U	<0.00034	U	<0.00038	U	<0.00034	U	<0.00040	U	S2AVM
SB-7-1.5	<0.00090	U	<0.00046	U	<0.00046	U	<0.00073	U	**51**		**0.21**		<0.00076	U	<0.00045	U	<0.00040	U	<0.00045	U	<0.00040	U	<0.00046	U	S2AVM
SB-7-5.5	<0.00077	U	<0.00040	U	<0.00040	U	<0.00063	U	<0.00036	U	<0.00039	U	<0.00065	U	<0.00039	U	<0.00034	U	<0.00038	U	<0.00034	U	<0.00040	U	S2AVM
SB-8-1	<0.00089	U	<0.00046	U	<0.00046	U	<0.00073	U	**0.08**		<0.00046	U	<0.00075	U	<0.00045	U	<0.00039	U	<0.00044	U	<0.00039	U	<0.00046	U	S2AVM
SB-9-1	<0.00083	U	<0.00043	U	<0.00043	U	<0.00068	U	<0.00038	U	<0.00042	U	<0.00070	U	<0.00042	U	<0.00037	U	<0.00041	U	<0.00037	U	<0.00043	U	S2AVM
SB-10-2	<0.00093	U	<0.00048	U	<0.00048	U	<0.00076	U	**0.21**		**0.0014**	J	<0.00078	U	<0.00047	U	<0.00041	U	<0.00046	U	<0.00041	U	<0.00048	U	S2AVM
SB-10-2-D	<0.00091	U	<0.00047	U	<0.00047	U	<0.00074	U	**0.38**		**0.0012**	J	<0.00076	U	<0.00046	U	<0.00040	U	<0.00045	U	<0.00040	U	<0.00047	U	S2AVM

Yellow Highlight/Bold: Detected value above regulatory standard.

Bold: Detected value below regulatory standard.

JH^{QC} Qualifier: Estimated value with potential high bias due to internal standard exhibited poor recovery due to sample matrix interference.

J qualifier: Estimated value; detected above the method detection limit but below the reporting limit.

U Qualifier: qualified as not detected

Table 1. Soil Boring Data for Volatile Organic Compounds (VOCs) (4 of 6)

Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
Parameter	Di-isopropyl ether		Ethylbenzene		Hexachloro-1,3-butadiene		Isopropylbenzene		p-Isopropyltoluene		2-Butanone (MEK)		Methylene Chloride		4-Methyl-2-pentanone (MIBK)		Methyl tert-butyl ether		Naphthalene		n-Propylbenzene		Styrene		Analytical Data Package Validation Stage
Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		
ID IDTL Soil	NS		10.2		NS		3.46		NS		11.8		0.0169		17.6		0.0364		1.14		NS		1.83		
Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
MW-4-2	<0.00042	U	<0.00044	U	<0.00045	U	<0.00037	U	<0.00038	U	<0.0032	U	<0.0015	U	<0.0033	U	<0.00038	U	**0.0035**	J, JH^{QC}	<0.00040	U	<0.00044	U	S2AVM
MW-5-3	<0.00036	U	<0.00037	U	<0.00038	U	<0.00031	U	<0.00032	U	<0.0028	U	<0.0013	U	<0.0028	U	<0.00032	U	<0.00055	U	<0.00035	U	<0.00038	U	S2AVM
MW-6-2	<0.00036	U	<0.00037	U	<0.00038	U	<0.00031	U	<0.00032	U	**0.0052**	J	<0.0013	U	<0.0028	U	<0.00032	U	<0.00055	U	<0.00035	U	<0.00038	U	S2AVM
SB-1-1	<0.00043	U	<0.00045	U	<0.00046	U	<0.00038	U	<0.00039	U	<0.0033	U	<0.0016	U	<0.0034	U	<0.00039	U	<0.00066	U	<0.00042	U	<0.00045	U	S2AVM
SB-1-1-D	<0.00036	U	<0.00037	U	<0.00038	U	<0.00031	U	<0.00032	U	<0.0028	U	<0.0013	U	<0.0028	U	<0.00032	U	<0.00055	U	<0.00035	U	<0.00038	U	S2AVM
SB-1-4.5	<0.00036	U	<0.00037	U	<0.00038	U	<0.00031	U	<0.00032	U	<0.0028	U	<0.0013	U	<0.0028	U	<0.00032	U	<0.00055	U	<0.00035	U	<0.00038	U	S2AVM
SB-2-2	<0.00036	U	<0.00037	U	<0.00038	U	<0.00031	U	<0.00032	U	<0.0028	U	<0.0013	U	<0.0028	U	<0.00032	U	<0.00055	U	<0.00035	U	<0.00038	U	S2AVM
SB-3-2	<0.00036	U	<0.00037	U	<0.00038	U	<0.00031	U	<0.00032	U	<0.0028	U	<0.0013	U	<0.0028	U	<0.00032	U	<0.00055	U	<0.00035	U	<0.00038	U	S2AVM
SB-3-4	<0.00036	U	<0.00037	U	<0.00038	U	<0.00031	U	<0.00032	U	**0.004**	J	<0.0013	U	<0.0028	U	<0.00032	U	<0.00055	U	<0.00035	U	<0.00038	U	S2AVM
SB-4-1	<0.00036	U	<0.00037	U	<0.00038	U	<0.00031	U	<0.00032	U	<0.0028	U	<0.0013	U	<0.0028	U	<0.00032	U	<0.00055	U	<0.00035	U	<0.00038	U	S2AVM
SB-5-1	<0.00036	U	<0.00037	U	<0.00038	U	<0.00031	U	<0.00032	U	**0.0064**	J	<0.0013	U	<0.0028	U	<0.00032	U	<0.00055	U	<0.00035	U	<0.00038	U	S2AVM
SB-7-1.5	<0.00042	U	<0.00044	U	<0.00045	U	<0.00037	U	<0.00038	U	<0.0032	U	<0.0015	U	<0.0033	U	<0.00038	U	**0.00089**	J, JH^{QC}	<0.00040	U	<0.00044	U	S2AVM
SB-7-5.5	<0.00036	U	<0.00037	U	<0.00038	U	<0.00031	U	<0.00032	U	<0.0028	U	<0.0013	U	<0.0028	U	<0.00032	U	<0.00055	U	<0.00035	U	<0.00038	U	S2AVM
SB-8-1	<0.00042	U	<0.00043	U	<0.00045	U	<0.00036	U	<0.00037	U	<0.0032	U	<0.0015	U	<0.0032	U	<0.00037	U	<0.00064	U	<0.00040	U	<0.00044	U	S2AVM
SB-9-1	<0.00039	U	**0.00072**	J	<0.00042	U	**0.00043**	J	**0.0043**		<0.0030	U	<0.0014	U	<0.0030	U	<0.00035	U	**0.19**		<0.00037	U	<0.00041	U	S2AVM
SB-10-2	<0.00044	U	<0.00045	U	<0.00046	U	<0.00038	U	<0.00039	U	<0.0034	U	<0.0016	U	<0.0034	U	<0.00039	U	**0.00083**	J, JH^{QC}	<0.00042	U	<0.00045	U	S2AVM
SB-10-2-D	<0.00043	U	<0.00044	U	<0.00045	U	<0.00037	U	<0.00038	U	<0.0033	U	<0.0015	U	<0.0033	U	<0.00038	U	<0.00065	U	<0.00041	U	<0.00044	U	S2AVM

Yellow Highlight/Bold: Detected value above regulatory standard

Bold: Detected value below regulatory standard

JH^{QC} Qualifier: Estimated value with potential high bias due to internal standard exhibit

J qualifier: Estimated value; detected above the method detection limit but below the reporting limit

U Qualifier: qualified as not detected

Table 1. Soil Boring Data for Volatile Organic Compounds (VOCs) (5 of 6)

Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B
Parameter	1,1,1,2-Tetrachloroethane		1,1,2,2-Tetra-chloroethane		1,1,2-Trichloro-trifluoroethane		Tetrachloroethene		Toluene		1,2,3-Trichloro-benzene		1,2,4-Trichloro-benzene		1,1,1-Trichloro-ethane		1,1,2-Trichloro-ethane		Trichloroethene		Trichloro-fluoromethane		1,2,3-Trichloro-propane		1,2,4-Trimethyl-benzene		Analytical Data Package Validation Stage
Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		
ID IDTL Soil	0.0409		0.000915		NS		0.0288		4.89		NS		0.692		2		0.0141		0.00288		10.4		0.000245		0.193		
Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
MW-4-2	<0.00047	U	<0.00048	U	<0.00044	U	**280**		**0.0012**	J	<0.00051	U	<0.00035	U	<0.00042	U	<0.00041	U	**62**		<0.0010	U	**<0.0013**	US	<0.00045	U	S2AVM
MW-5-3	<0.00040	U	<0.00041	U	<0.00038	U	**0.01**		<0.00031	U	<0.00044	U	<0.00030	U	<0.00036	U	<0.00035	U	<0.00033	U	<0.00089	U	**<0.0011**	US	<0.00038	U	S2AVM
MW-6-2	<0.00040	U	<0.00041	U	<0.00038	U	**0.01**		<0.00031	U	<0.00044	U	<0.00030	U	<0.00036	U	<0.00035	U	<0.00033	U	<0.00089	U	**<0.0011**	US	<0.00038	U	S2AVM
SB-1-1	<0.00048	U	<0.00050	U	<0.00046	U	**220**		<0.00037	U	<0.00052	U	<0.00036	U	<0.00043	U	<0.00042	U	**9.7**		<0.0011	U	**<0.0014**	US	<0.00046	U	S2AVM
SB-1-1-D	<0.00040	U	<0.00041	U	<0.00038	U	**560**		<0.00031	U	<0.00044	U	<0.00030	U	<0.00036	U	<0.00035	U	**22**		<0.00089	U	**<0.0011**	US	<0.00038	U	S2AVM
SB-1-4.5	<0.00040	U	<0.00041	U	<0.00038	U	**1**		**0.00052**	J	<0.00044	U	<0.00030	U	<0.00036	U	<0.00035	U	**0.027**		<0.00089	U	**<0.0011**	US	<0.00038	U	S2AVM
SB-2-2	<0.00040	U	<0.00041	U	<0.00038	U	**0.045**		<0.00031	U	<0.00044	U	<0.00030	U	<0.00036	U	<0.00035	U	**0.0043**		<0.00089	U	**<0.0011**	US	<0.00038	U	S2AVM
SB-3-2	<0.00040	U	<0.00041	U	<0.00038	U	**130**		**0.0007**	J	<0.00044	U	<0.00030	U	<0.00036	U	<0.00035	U	**0.0038**		<0.00089	U	**<0.0011**	US	<0.00038	U	S2AVM
SB-3-4	<0.00040	U	<0.00041	U	<0.00038	U	**0.064**		<0.00031	U	<0.00044	U	<0.00030	U	<0.00036	U	<0.00035	U	<0.00033	U	<0.00089	U	**<0.0011**	US	<0.00038	U	S2AVM
SB-4-1	<0.00040	U	<0.00041	U	<0.00038	U	**0.00047**	J	<0.00031	U	<0.00044	U	<0.00030	U	<0.00036	U	<0.00035	U	**0.00037**	J	<0.00089	U	**<0.0011**	US	<0.00038	U	S2AVM
SB-5-1	<0.00040	U	<0.00041	U	<0.00038	U	**0.0016**		<0.00031	U	<0.00044	U	<0.00030	U	<0.00036	U	<0.00035	U	<0.00033	U	<0.00089	U	**<0.0011**	US	<0.00038	U	S2AVM
SB-7-1.5	<0.00047	U	<0.00048	U	<0.00044	U	**2300**		**0.0063**	J	<0.00051	U	<0.00035	U	<0.00042	U	<0.00041	U	**84**		<0.0010	U	**<0.0013**	US	**0.00053**	J	S2AVM
SB-7-5.5	<0.00040	U	<0.00041	U	<0.00038	U	**0.00045**	J	**0.00046**	J	<0.00044	U	<0.00030	U	<0.00036	U	<0.00035	U	<0.00033	U	<0.00089	U	**<0.0011**	US	<0.00038	U	S2AVM
SB-8-1	<0.00046	U	<0.00048	U	<0.00044	U	**160**		<0.00036	U	<0.00051	U	<0.00034	U	<0.00042	U	<0.00041	U	**4.5**		<0.0010	U	**<0.0013**	US	<0.00045	U	S2AVM
SB-9-1	<0.00043	U	<0.00045	U	<0.00041	U	**0.017**		**0.0014**	J	<0.00047	U	<0.00032	U	<0.00039	U	<0.00038	U	<0.00036	U	<0.00096	U	**<0.0012**	US	**0.0046**		S2AVM
SB-10-2	<0.00048	U	<0.00050	U	<0.00046	U	**720**		**0.0013**	J	<0.00053	U	<0.00036	U	<0.00043	U	<0.00043	U	**8**		<0.0011	U	**<0.0014**	US	<0.00046	U	S2AVM
SB-10-2-D	<0.00047	U	<0.00049	U	<0.00045	U	**1100**		**0.00087**	J	<0.00052	U	<0.00035	U	<0.00042	U	<0.00042	U	**9.8**		<0.0010	U	**<0.0013**	US	<0.00045	U	S2AVM

Yellow Highlight/Bold: Detected value above regulatory standard.

Bold: Detected value below regulatory standard.

JH^{QC} Qualifier: Estimated value with potential high bias due to internal standard exhibited poor recovery due to sample matrix interference.

J qualifier: Estimated value; detected above the method detection limit but below the reporting limit.

U Qualifier: qualified as not detected

Shaded/US Qualifier: Sensitivity issue; Not detected at reporting limit that exceeds regulatory standard.

Table 1. Soil Boring Data for Volatile Organic Compounds (VOCs) (6 of 6)

Method	8260B		8260B		8260B		8260B		8260B
Parameter	1,2,3-Trimethyl-benzene		1,3,5-Trimethyl-benzene		Vinyl chloride		Xylenes, Total		Analytical Data Package Validation Stage
Units	mg/kg		mg/kg		mg/kg		mg/kg		
ID IDTL Soil	NS		0.145		0.00963		1.67		
Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	
MW-4-2	<0.00034	U	<0.00040	U	<0.00045	U	<0.00054	U	S2AVM
MW-5-3	<0.00029	U	<0.00035	U	<0.00038	U	<0.00046	U	S2AVM
MW-6-2	<0.00029	U	<0.00035	U	<0.00038	U	<0.00046	U	S2AVM
SB-1-1	<0.00035	U	<0.00042	U	<0.00046	U	<0.00055	U	S2AVM
SB-1-1-D	<0.00029	U	<0.00035	U	<0.00038	U	<0.00046	U	S2AVM
SB-1-4.5	<0.00029	U	<0.00035	U	<0.00038	U	<0.00046	U	S2AVM
SB-2-2	<0.00029	U	<0.00035	U	<0.00038	U	<0.00046	U	S2AVM
SB-3-2	<0.00029	U	<0.00035	U	<0.00038	U	<0.00046	U	S2AVM
SB-3-4	<0.00029	U	<0.00035	U	<0.00038	U	<0.00046	U	S2AVM
SB-4-1	<0.00029	U	<0.00035	U	<0.00038	U	<0.00046	U	S2AVM
SB-5-1	<0.00029	U	<0.00035	U	<0.00038	U	<0.00046	U	S2AVM
SB-7-1.5	**0.00084**	J, JH[QC]	<0.00040	U	<0.00045	U	**0.0025**	J	S2AVM
SB-7-5.5	<0.00029	U	<0.00035	U	<0.00038	U	<0.00046	U	S2AVM
SB-8-1	<0.00034	U	<0.00040	U	<0.00044	U	<0.00053	U	S2AVM
SB-9-1	**0.004**		**0.0019**		<0.00041	U	**0.0042**		S2AVM
SB-10-2	<0.00035	U	<0.00042	U	<0.00046	U	<0.00056	U	S2AVM
SB-10-2-D	<0.00034	U	<0.00041	U	<0.00045	U	<0.00054	U	S2AVM

Bold: Detected value below regulatory standard.

JH[QC] Qualifier: Estimated value with potential high bias due to internal standard exhibited poor recovery due to sample matrix interference.

J qualifier: Estimated value; detected above the method detection limit but below the reporting limit.

U Qualifier: qualified as not detected

Table 2. Soil Boring Data for Polycyclic Aromatic Hydrocarbons (PAHs) (1 of 1)

Method	8270C-SIM		8270C-SIM		8270C-SIM		8270C-SIM		8270C-SIM		8270C-SIM		8270C-SIM		8270C-SIM
Parameter	Anthracene		Acenaphthene		Acenaphthylene		Benzo(a)anthracene		Benzo(a)pyrene		Benzo(b)-fluoranthene		Benzo(g,h,i)-perylene		Analytical Data Package Validation Stage
Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		
T2 RUSL S	1040		52.3		NS		0.422		0.0422		0.422		NS		
ID IDTL Soil	1040		52.3		78		0.422		0.0422		0.422		1180		
Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
SB-5-1	<0.00076	U	<0.00071	U	**0.0023**	J	<0.00092	U	<0.00062	U	<0.00082	U	<0.0012	U	S2AVM

Method	8270C-SIM		8270C-SIM		8270C-SIM		8270C-SIM		8270C-SIM		8270C-SIM		8270C-SIM		8270C-SIM
Parameter	Benzo(k)-fluoranthene		Chrysene		Dibenz(a,h)-anthracene		Fluoranthene		Fluorene		Indeno(1,2,3-cd)pyrene		Naphthalene		Analytical Data Package Validation Stage
Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		
T2 RUSL S	4.22		33.4		NS		364		54.8		NS		0.078		
ID IDTL Soil	4.22		33.4		0.0422		364		54.8		0.422		1.14		
Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
SB-5-1	<0.0013	U	<0.0011	U	<0.0011	U	<0.0010	U	<0.00055	U	<0.0012	U	<0.00065	U	S2AVM

Method	8270C-SIM		8270C-SIM		8270C-SIM		8270C-SIM		8270C-SIM		8270C-SIM
Parameter	Phenanthrene		Pyrene		1-Methyl-naphthalene		2-Methyl-naphthalene		2-Chloro-naphthalene		Analytical Data Package Validation Stage
Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		
T2 RUSL S	NS		359		NS		NS		NS		
ID IDTL Soil	79		359		NS		3.31		128		
Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
SB-5-1	<0.00074	U	<0.00059	U	<0.00079	U	<0.00059	U	<0.00060	U	S2AVM

Table 3. Soil Boring Data for Polychlorinated Biphenyls (PCBs) (1 of 1)

Method	8082		8082		8082		8082		8082		8082		8082		8082
Parameter	PCB 1016		PCB 1221		PCB 1232		PCB 1242		PCB 1248		PCB 1254		PCB 1260		Analytical Data Package Validation Stage
Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		
ID IDTL Soil	2.33		0.00294		NS		0.00318		0.137		0.74		0.147		
Sample ID	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	Value	Qual	
SB-5-1	<0.0065		<0.0054	US	<0.0042		<0.0032	US	<0.0032		<0.0047		<0.0049		S2AVM

J qualifier: Estimated value; detected above the method detection limit but below the reporting limit.

U Qualifier: qualified as not detected

Shaded/US Qualifier: Sensitivity issue; Not detected at reporting limit that exceeds regulatory standard.

Table 4. Groundwater Monitoring Well Data for Volatile Organic Compounds (VOCs) (1 of 3)

Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
Parameter	Acetone		Acrolein		Acrylonitrile		Benzene		Bromo-benzene		Bromodi-chloromethane		Bromoform		Bromomethane		n-Butylbenzene		sec-Butyl-benzene		tert-Butyl-benzene		Carbon tetrachloride		Chlorobenzene		
Units	mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		
ID IDTL Water	9.39		0.00521		0.000103		0.005		NS		0.000901		0.00707		0.0146		NS		0.104		0.104		0.00456		0.1		Analytical Data Package Validation Stage
Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
MW-2	<0.011	U	<0.031	US	**<0.0017**	US	<0.00018	U	<0.00025	U	<0.00021	U	<0.00046	U	<0.00057	U	<0.00020	U	<0.00018	U	<0.00021	U	<0.00038	U	<0.00025	U	S2AVM
MW-2-D	<0.011	U	<0.031	US	**<0.0017**	US	<0.00018	U	<0.00025	U	<0.00021	U	<0.00046	U	<0.00057	U	<0.00020	U	<0.00018	U	<0.00021	U	<0.00038	U	<0.00025	U	S2AVM
MW-3	<0.011	U	<0.031	US	**<0.0017**	US	<0.00018	U	<0.00025	U	<0.00021	U	<0.00046	U	<0.00057	U	<0.00020	U	<0.00018	U	<0.00021	U	<0.00038	U	<0.00025	U	S2AVM
MW-4	<0.011	U	<0.031	US	**<0.0017**	US	<0.00018	U	<0.00025	U	<0.00021	U	<0.00046	U	<0.00057	U	<0.00020	U	<0.00018	U	<0.00021	U	<0.00038	U	<0.00025	U	S2AVM
MW-5	<0.011	U	<0.031	US	**<0.0017**	US	<0.00018	U	<0.00025	U	<0.00021	U	<0.00046	U	<0.00057	U	<0.00020	U	<0.00018	U	<0.00021	U	<0.00038	U	<0.00025	U	S2AVM
MW-6	<0.011	U	<0.031	US	**<0.0017**	US	<0.00018	U	<0.00025	U	<0.00021	U	<0.00046	U	<0.00057	U	<0.00020	U	<0.00018	U	<0.00021	U	<0.00038	U	<0.00025	U	S2AVM
MW-7	<0.011	U	<0.031	US	**<0.0017**	US	<0.00018	U	<0.00025	U	<0.00021	U	<0.00046	U	<0.00057	U	<0.00020	U	<0.00018	U	<0.00021	U	<0.00038	U	<0.00025	U	S2AVM
TRIP BLANK	<0.011	U	<0.031	US	**<0.0017**	US	<0.00018	U	<0.00025	U	<0.00021	U	<0.00046	U	<0.00057	U	<0.00020	U	<0.00018	U	<0.00021	U	<0.00038	U	<0.00025	U	S2AVM

Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
Parameter	Chlorodi-bromomethane		Chloroethane		2-Chloroethyl vinyl ether		Chloroform		Chloromethane		2-Chlorotoluene		4-Chlorotoluene		1,2-Dibromo-3--Chloropropane		1,2-Dibromo-ethane		Dibromo-methane		1,2-Dichloro-benzene		1,3-Dichloro-benzene		1,4-Dichloro-benzene		
Units	mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		
ID IDTL Water	0.000665		0.0193		NS		0.0018		0.0043		0.209		NS		0.0002		NS		NS		0.6		0.00939		0.075		Analytical Data Package Validation Stage
Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
MW-2	<0.00029	U	<0.0014	U	<0.0027	UJL[QC]	<0.00022	U	<0.00046	U	<0.00017	U	<0.00020	U	**<0.0011**	US	<0.00044	U	<0.00051	U	<0.00026	U	<0.00025	U	<0.00019	U	S2AVM
MW-2-D	<0.00029	U	<0.0014	U	<0.0027	U	<0.00022	U	<0.00046	U	<0.00017	U	<0.00020	U	**<0.0011**	US	<0.00044	U	<0.00051	U	<0.00026	U	<0.00025	U	<0.00019	U	S2AVM
MW-3	<0.00029	U	<0.0014	U	<0.0027	U	<0.00022	U	<0.00046	U	<0.00017	U	<0.00020	U	**<0.0011**	US	<0.00044	U	<0.00051	U	<0.00026	U	<0.00025	U	<0.00019	U	S2AVM
MW-4	<0.00029	U	<0.0014	U	<0.0027	U	<0.00022	U	<0.00046	U	<0.00017	U	<0.00020	U	**<0.0011**	US	<0.00044	U	<0.00051	U	<0.00026	U	<0.00025	U	<0.00019	U	S2AVM
MW-5	<0.00029	U	<0.0014	U	<0.0027	U	<0.00022	U	<0.00046	U	<0.00017	U	<0.00020	U	**<0.0011**	US	<0.00044	U	<0.00051	U	<0.00026	U	<0.00025	U	<0.00019	U	S2AVM
MW-6	<0.00029	U	<0.0014	U	<0.0027	U	<0.00022	U	<0.00046	U	<0.00017	U	<0.00020	U	**<0.0011**	US	<0.00044	U	<0.00051	U	<0.00026	U	<0.00025	U	<0.00019	U	S2AVM
MW-7	<0.00029	U	<0.0014	U	<0.0027	U	<0.00022	U	<0.00046	U	<0.00017	U	<0.00020	U	**<0.0011**	US	<0.00044	U	<0.00051	U	<0.00026	U	<0.00025	U	<0.00019	U	S2AVM
TRIP BLANK	<0.00029	U	<0.0014	U	<0.0027	U	<0.00022	U	<0.00046	U	<0.00017	U	<0.00020	U	**<0.0011**	US	<0.00044	U	<0.00051	U	<0.00026	U	<0.00025	U	<0.00019	U	S2AVM

Yellow Highlight/Bold: Detected value above regulatory standard.

Bold: Detected value below regulatory standard.

UJL[QC] Qualifier: Estimated nondetect value based on QC evaluation due to MS/MSD accuracy and precision.

J qualifier: Estimated value; detected above the method detection limit but below the reporting limit.

U Qualifier: qualified as not detected

Shaded/US Qualifier: Sensitivity issue; Not detected at reporting limit that exceeds regulatory standard.

Table 4. Groundwater Monitoring Well Data for Volatile Organic Compounds (VOCs) (2 of 3)

Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B
Parameter	Dichlorodi-fluoromethane		1,1-Dichloroethane		1,2-Dichloroethane		1,1-Dichloroethene		cis-1,2-Dichloro-ethene		trans-1,2-Dichloro-ethene		1,2-Dichloropropane		1,1-Dichloropropene		1,3-Dichloro-propane		cis-1,3-Dichloro-propene		trans-1,3-Dichloro-propene		2,2-Dichloropropane		
Units	mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		
ID IDTL Water	0.195		1.04		0.005		0.007		0.07		0.1		0.005		NS		NS		0.000559		0.000559		NS		Analytical Data Package Validation Stage
Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
MW-2	<0.00057	U	<0.00029	U	<0.00026	U	<0.00040	U	<0.00027	U	<0.00029	U	<0.00047	U	<0.00027	U	<0.00037	U	<0.00023	U	<0.00039	U	<0.00035	U	S2AVM
MW-2-D	<0.00057	U	<0.00029	U	<0.00026	U	<0.00040	U	<0.00027	U	<0.00029	U	<0.00047	U	<0.00027	U	<0.00037	U	<0.00023	U	<0.00039	U	<0.00035	U	S2AVM
MW-3	<0.00057	U	<0.00029	U	<0.00026	U	<0.00040	U	<0.00027	U	<0.00029	U	<0.00047	U	<0.00027	U	<0.00037	U	<0.00023	U	<0.00039	U	<0.00035	U	S2AVM
MW-4	<0.00057	U	<0.00029	U	<0.00026	U	<0.00040	U	**0.0021**		<0.00029	U	<0.00047	U	<0.00027	U	<0.00037	U	<0.00023	U	<0.00039	U	<0.00035	U	S2AVM
MW-5	<0.00057	U	<0.00029	U	<0.00026	U	<0.00040	U	<0.00027	U	<0.00029	U	<0.00047	U	<0.00027	U	<0.00037	U	<0.00023	U	<0.00039	U	<0.00035	U	S2AVM
MW-6	<0.00057	U	<0.00029	U	<0.00026	U	<0.00040	U	<0.00027	U	<0.00029	U	<0.00047	U	<0.00027	U	<0.00037	U	<0.00023	U	<0.00039	U	<0.00035	U	S2AVM
MW-7	<0.00057	U	<0.00029	U	<0.00026	U	<0.00040	U	<0.00027	U	<0.00029	U	<0.00047	U	<0.00027	U	<0.00037	U	<0.00023	U	<0.00039	U	<0.00035	U	S2AVM
TRIP BLANK	<0.00057	U	<0.00029	U	<0.00026	U	<0.00040	U	<0.00027	U	<0.00029	U	<0.00047	U	<0.00027	U	<0.00037	U	<0.00023	U	<0.00039	U	<0.00035	U	S2AVM

Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B
Parameter	Di-isopropyl ether		Ethylbenzene		Hexachloro-1,3-butadiene		Isopropylbenzene		p-Isopropyltoluene		2-Butanone (MEK)		Methylene Chloride		4-Methyl-2-pentanone (MIBK)		Methyl tert-butyl ether		Naphthalene		n-Propylbenzene		Styrene		
Units	mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		
ID IDTL Water	NS		0.7		NS		1.04		NS		6.26		0.00745		8.97		0.0169		0.209		NS		0.1		Analytical Data Package Validation Stage
Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
MW-2	<0.00024	U	<0.00027	U	<0.00038	U	<0.00018	U	<0.00017	U	<0.0030	U	<0.00079	U	<0.00080	U	<0.00027	U	<0.00069	U	<0.00018	U	<0.00030	U	S2AVM
MW-2-D	<0.00024	U	<0.00027	U	<0.00038	U	<0.00018	U	<0.00017	U	<0.0030	U	<0.00079	U	<0.00080	U	<0.00027	U	<0.00069	U	<0.00018	U	<0.00030	U	S2AVM
MW-3	<0.00024	U	<0.00027	U	<0.00038	U	<0.00018	U	<0.00017	U	<0.0030	U	<0.00079	U	<0.00080	U	<0.00027	U	<0.00069	U	<0.00018	U	<0.00030	U	S2AVM
MW-4	<0.00024	U	<0.00027	U	<0.00038	U	<0.00018	U	<0.00017	U	<0.0030	U	<0.00079	U	<0.00080	U	<0.00027	U	<0.00069	U	<0.00018	U	<0.00030	U	S2AVM
MW-5	<0.00024	U	<0.00027	U	<0.00038	U	<0.00018	U	<0.00017	U	<0.0030	U	<0.00079	U	<0.00080	U	<0.00027	U	<0.00069	U	<0.00018	U	<0.00030	U	S2AVM
MW-6	<0.00024	U	<0.00027	U	<0.00038	U	<0.00018	U	<0.00017	U	<0.0030	U	<0.00079	U	<0.00080	U	<0.00027	U	<0.00069	U	<0.00018	U	<0.00030	U	S2AVM
MW-7	<0.00024	U	<0.00027	U	<0.00038	U	<0.00018	U	<0.00017	U	<0.0030	U	<0.00079	U	<0.00080	U	<0.00027	U	<0.00069	U	<0.00018	U	<0.00030	U	S2AVM
TRIP BLANK	<0.00024	U	<0.00027	U	<0.00038	U	<0.00018	U	<0.00017	U	<0.0030	U	<0.00079	U	<0.00080	U	<0.00027	U	<0.00069	U	<0.00018	U	<0.00030	U	S2AVM

Yellow Highlight/Bold: Detected value above regulatory standard.

Bold: Detected value below regulatory standard

UJL^{QC} Qualifier: Estimated nondetect value based on QC evaluation due to MS/MSD accuracy and precision

J qualifier: Estimated value; detected above the method detection limit but below the reporting limit

U Qualifier: qualified as not detected

Shaded/US Qualifier: Sensitivity issue; Not detected at reporting limit that exceeds regulatory standard

Table 4. Groundwater Monitoring Well Data for Volatile Organic Compounds (VOCs) (3 of 3)

Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B
Parameter	1,1,1,2-Tetrachloroethane		1,1,2,2-Tetrachloroethane		1,1,2-Trichlorotrifluoro-ethane		Tetrachloroethene		Toluene		1,2,3-Trichlorobenzene		1,2,4-Trichlorobenzene		1,1,1-Trichloroethane		1,1,2-Trichloroethane		Trichloroethene		Trichloro-fluoromethane		1,2,3-Trichloro-propane		
Units	mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		Analytical Data Package Validation Stage
ID IDTL Water	0.00215		0.000279		NS		0.005		1		NS		0.07		0.2		0.005		0.00332		2.05		0.0000279		
Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
MW-2	<0.00031	U	<0.00029	US	<0.00038	U	**0.00065**	J	**0.00055**	J	<0.00030	U	<0.00021	U	<0.00024	U	<0.00038	U	<0.00029	U	**0.00074**	J	<0.00052	US	S2AVM
MW-2-D	<0.00031	U	<0.00029	US	<0.00038	U	**0.00064**	J	**0.00053**	J	<0.00030	U	<0.00021	U	<0.00024	U	<0.00038	U	<0.00029	U	**0.00069**	J	<0.00052	US	S2AVM
MW-3	<0.00031	U	<0.00029	US	<0.00038	U	<0.00024	U	**0.00049**	J	<0.00030	U	<0.00021	U	<0.00024	U	<0.00038	U	<0.00029	U	<0.00049	U	<0.00052	US	S2AVM
MW-4	<0.00031	U	<0.00029	US	<0.00038	U	**0.0085**		<0.00016	U	<0.00030	U	<0.00021	U	<0.00024	U	<0.00038	U	**0.0021**		**0.0013**	J	<0.00052	US	S2AVM
MW-5	<0.00031	U	<0.00029	US	<0.00038	U	**0.0031**		**0.00033**	J	<0.00030	U	<0.00021	U	<0.00024	U	<0.00038	U	<0.00029	U	**0.0023**	J	<0.00052	US	S2AVM
MW-6	<0.00031	U	<0.00029	US	<0.00038	U	**0.00095**	J	**0.0007**	J	<0.00030	U	<0.00021	U	<0.00024	U	<0.00038	U	<0.00029	U	**0.00063**	J	<0.00052	US	S2AVM
MW-7	<0.00031	U	<0.00029	US	<0.00038	U	**0.00062**	J	<0.00016	U	<0.00030	U	<0.00021	U	<0.00024	U	<0.00038	U	<0.00029	U	**0.00055**	J	<0.00052	US	S2AVM
TRIP BLANK	<0.00031	U	<0.00029	US	<0.00038	U	<0.00024	U	<0.00016	U	<0.00030	U	<0.00021	U	<0.00024	U	<0.00038	U	<0.00029	U	<0.00049	U	<0.00052	US	S2AVM

Method	8260B		8260B		8260B		8260B		8260B		8260B
Parameter	1,2,4-Trimethyl-benzene		1,2,3-Trimethyl-benzene		1,3,5-Trimethyl-benzene		Vinyl chloride		Xylenes, Total		
Units	mg/l		mg/l		mg/l		mg/l		mg/l		Analytical Data Package Validation Stage
ID IDTL Water	0.439		NS		0.304		0.002		4.34		
Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
MW-2	<0.00020	U	<0.00017	U	<0.00018	U	<0.00028	U	<0.00086	U	S2AVM
MW-2-D	<0.00020	U	<0.00017	U	<0.00018	U	<0.00028	U	<0.00086	U	S2AVM
MW-3	<0.00020	U	<0.00017	U	<0.00018	U	<0.00028	U	<0.00086	U	S2AVM
MW-4	<0.00020	U	<0.00017	U	<0.00018	U	<0.00028	U	<0.00086	U	S2AVM
MW-5	<0.00020	U	<0.00017	U	<0.00018	U	<0.00028	U	<0.00086	U	S2AVM
MW-6	<0.00020	U	<0.00017	U	<0.00018	U	<0.00028	U	<0.00086	U	S2AVM
MW-7	<0.00020	U	<0.00017	U	<0.00018	U	<0.00028	U	<0.00086	U	S2AVM
TRIP BLANK	<0.00020	U	<0.00017	U	<0.00018	U	<0.00028	U	<0.00086	U	S2AVM

Yellow Highlight/Bold: Detected value above regulatory standard.

Bold: Detected value below regulatory standard

UJL^{QC} Qualifier: Estimated nondetect value based on QC evaluation due to MS/MSD accuracy and precision

J qualifier: Estimated value; detected above the method detection limit but below the reporting limit.

U Qualifier: qualified as not detected

Shaded/US Qualifier: Sensitivity issue; Not detected at reporting limit that exceeds regulatory standard.

Table 5. Sub-Slab Soil Vapor (SSV) and Soil Vapor (SV) Data for Volatile Organic Compounds (VOCs) (1 of 4)

Method	TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15
Parameter	1,1,1-Trichloro-ethane		1,1,2,2-Tetrachloro-ethane		1,1,2-Trichloro-ethane		1,1-Dichloro-ethane		1,1-Dichloro-ethene		1,2,4-Trichloro-benzene		1,2,4-Trimethyl-benzene		1,2-Dibromo-ethane (EDB)		1,2-Dichloro-benzene		1,2-Dichloro-ethane		1,2-Dichloro-propane		1,3,5-Trimethyl-benzene		1,3-Butadiene		1,3-Dichloro-benzene		1,4-Dichloro-benzene		Analytical Data Package Validation Stage
Units	UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		
EPA RSL Residential (10 X for SSV)	52,000		0.42		1.5		15		2,100		21		73		0.041		2,100		0.94		2.4		NS		0.81		NS		2.2		
EPA RSL Industrial (10 X for SSV)	220,000		2.1		7.7		77		8,800		88		310		0.2		8,800		4.7		12		NS		4.1		NS		11		
Sub-Slab Soil Vapor Sample ID	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	
SSV-1	<11	U	<14	US	<11	US	<8.2	U	<8.0	U	<60	US	<9.9	U	<15	US	<12	U	<8.2	US	<9.3	US	<9.9	U	<4.4	US	<12	U	<12	US	S2AVM
SSV-2	<22	U	<27	US	<22	US	<16	US	<16	U	<120	US	<19	U	<30	US	<24	U	<16	US	<18	US	<19	U	180		<24	U	<24	US	S2AVM
SSV-3	<44	U	<55	US	<44	US	<32	US	<32	U	<240	US	<40	U	<62	US	<48	U	<32	US	<37	US	<40	U	<18	US	<48	U	<48	US	S2AVM
SSV-4	<34	U	<43	US	<34	US	<26	US	<25	U	<190	US	<31	U	<48	US	<38	U	<26	US	<29	US	<31	U	<14	US	<38	U	<38	US	S2AVM
SSV-5	<63	U	<79	US	<63	US	<46	US	<46	U	<340	US	<56	U	<88	US	<69	U	<46	US	<53	US	<56	U	<25	US	<69	U	<69	US	S2AVM
SSV-6	<5.9	U	<7.4	US	<5.9	US	<4.4	U	<4.3	U	<32	US	<5.3	U	<8.3	US	<6.5	U	<4.4	US	<5.0	US	<5.3	U	<2.4	US	<6.5	U	<5.5	US	S2AVM
SSV-7	<41	U	<52	US	<41	US	<31	US	<30	U	<220	US	<37	U	<58	US	<46	U	<31	US	<35	US	<37	U	<17	US	<46	U	<46	US	S2AVM
EPA RSL Residential (100 X for SV)	520,000		4.2		15		150		21,000		210		730		0.41		21,000		9.4		24		NS		8.1		NS		22		Analytical Data Package Validation Stage
EPA RSL Industrial (100 X for SV)	2,200,000		21		77		770		88,000		880		3,100		2		88,000		47		120		NS		41		NS		110		
Soil Vapor Sample ID	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	
SV-1-5	<290	U	<370	US	<290	US	<220	U	<210	U	<1600	US	<260	U	<410	US	<320	U	<220	US	<250	US	<260	U	<120	US	<320	U	<320	US	S2AVM
SV-1-5-D	<290	U	<370	US	<290	US	<220	U	<210	U	<1600	US	<260	U	<410	US	<320	U	<220	US	<250	US	<260	U	<120	US	<320	U	<320	US	S2AVM
SV-1-10	<160	U	<200	US	<160	US	<120	U	<120	U	<860	US	<140	U	<220	US	<180	U	<120	US	<130	US	<140	U	<64	US	<180	U	<180	US	S2AVM
SV-2-5	<45	U	<56	US	<45	US	<33	U	<32	U	<240	US	<40	U	<63	US	<49	U	<33	US	<38	U	<40	U	<18	US	<49	U	<49	US	S2AVM

Yellow Highlight/Bold: Detected value above regulatory standards.

Bold: Detected value below regulatory standard.

Shaded/US Qualifier: Sensitivity issue; Not detected at reporting limit that exceeds regulatory standard.

U Qualifier: qualified as not detected

Table 5 Sub-Slab Soil Vapor (SSV)and Soil Vapor (SV) Data for Volatile Organic Compounds (VOCs) (2 of 4)

Method	TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15	
Parameter	1,4-Dioxane		2,2,4-Trimethyl-pentane		2-Butanone (Methyl Ethyl Ketone)		2-Hexanone		2-Propanol		3-Chloro-propene		4-Ethyl-toluene		4-Methyl-2-pentanone		Acetone		alpha-Chlorotoluene		Benzene		Bromodi-chloromethane		Bromoform		Bromo-methane		Carbon Disulfide		Analytical Data Package Validation Stage
Units	UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		
EPA RSL Residential (10 X for SSV)	3.2		NS		52,000		310		NS		NS		NS		31,000		320,000		0.5		3.1		0.66		22		52		7,300		
EPA RSL Industrial (10 X for SSV)	16		NS		220,000		1,300		NS		NS		NS		130,000		1,400,000		2.5		16		3.3		110		220		31,000		
Sub-Slab Soil Vapor Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
SSV-1	<29	US	<9.4	U	**220**		<33	U	<20	U	<25	U	<9.9	U	<8.2	U	<48	U	<10	US		US	<14	U	<21	U	<78	US	**32**		S2AVM
SSV-2	<57	US	<18	U	<46	U	<65	U	<39	U	<49	U	<19	U	<16	U	<94	U	<20	US	**12**		<26	U	<41	U	<150	US	**160**		S2AVM
SSV-3	<120	US	<38	U	<95	U	<130	U	<79	U	<100	U	<40	U	<33	U	<76	U	<42	US	<26	US	<54	U	<83	U	<31	U	**150**		S2AVM
SSV-4	<91	US	<30	U	<74	U	<100	U	<62	U	<79	U	<31	U	<26	U	<150	U	<33	US	<20	US	<42	U	<65	U	<240	US	<79	U	S2AVM
SSV-5	<160	US	<54	U	<140	U	<190	U	<110	U	<140	U	<56	U	<47	U	<110	U	<60	US	<37	US	<77	U		US	<45	U	**170**		S2AVM
SSV-6	<15	US	<5.0	U	**72**		<18	U	<10	U	<13	U	<5.3	U	<4.4	U	**75**		<5.6	US	<3.4	US	<7.2	U	<11	U	<42	U	**76**		S2AVM
SSV-7	<110	US	<36	U	<90	U	<120	U	<75	U	<95	U	<37	U	<31	U	<180	U	<39	US	<24	US	<51	U	<78	U	<300	US	<95	U	S2AVM
EPA RSL Residential (100 X for SV)	32		NS		520,000		3,100		NS		NS		NS		310,000		3,200,000		5		31		6.6		220		520		73,000		Analytical Data Package Validation Stage
EPA RSL Industrial (100 X for SV)	160		NS		2,200,000		13,000		NS		NS		NS		1,300,000		14,000,000		25		160		33		1,100		2,200		310,000		
Soil Vapor Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
SV-1-5	<770	US	<250	U	<630	U	<880	U	<520	U	<670	U	<260	U	<220	U	<510	U	<280	US	<170	US	<360	U	<550	U	<210	U	<170	U	S2AVM
SV-1-5-D	<770	US	<250	U	<630	U	<880	U	<520	U	<670	U	<260	U	<220	U	<510	U	<280	US	<170	US	<360	U	<550	U	<210	U	<170	U	S2AVM
SV-1-10	<420	US	<140	U	<340	U	<480	U	<290	U	<360	U	<140	U	<120	U	<280	U	<150	US	<93	US	<200	U	<300	U	<110	U	<91	U	S2AVM
SV-2-5	<120	US	<38	U	<97	U	<130	U	<81	U	<100	U	<40	U	<34	U	<190	U	<42	US	<26	U	<55	U	<85	U	<320	U	<100	U	S2AVM

Yellow Highlight/Bold: Detected value above regulatory standard (industiral).

Bold: Detected value below regulatory standard.

Shaded/US Qualifier: Sensitivity issue; Not detected at reporting limit that exceeds regulatory standard.

U Qualifier: qualified as not detected

Table 5. Sub-Slab Soil Vapor (SSV) and Soil Vapor (SV) Data for Volatile Organic Compounds (VOCs) (3 of 4)

Method	TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15
Parameter	Carbon Tetrachloride		Chloro-benzene		Chloroethane		Chloroform		Chloro-methane		cis-1,2-Dichloro-ethene		cis-1,3-Dichloro-propene		Cumene		Cyclohexane		Dibromo-chloro-methane		Ethanol		Ethyl Benzene		Freon 11		Freon 113		Freon 114		Freon 12		Analytical Data Package Validation Stage
Units	UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		
EPA RSL Residential (10 X for SSV)	4.1		520.00		NS		1.1		940.00		NS		6.1		4,200		63,000		0.9		NS		9.7		7,300		310,000		NS		1,000		
EPA RSL Industrial (10 X for SSV)	20		2,200		NS		5.3		3,900		NS		31		18,000		260,000		4.5		NS		49		31,000		1,300,000		NS		4,400		
Sub-Slab Soil Vapor Sample ID	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	
SSV-1	**<13**	US	<9.3	U	<21	U	**<9.8**	US	<42	U	<8.0	U	**<9.1**	US	<9.9	U	**7.7**		**<17**	US	<15	U	<8.7	U	**220**		<15	U	<14	U	<10	U	S2AVM
SSV-2	**<25**	US	<18	U	<42	U	**<19**	US	<82	U	<16	U	**<18**	US	<19	U	**16**		**<34**	US	<30	U	**<17**	US	**250**		<30	U	<28	U	<20	U	S2AVM
SSV-3	**<51**	US	<37	U	<85	U	**1,600**		<66	U	**1,200**		**<36**	US	<40	U	**28**		**<68**	US	<61	U	**<35**	US	**210**		<62	U	<56	U	<40	U	S2AVM
SSV-4	**<40**	US	<29	U	<67	U	**<31**	US	<130	U	**220**		**<29**	US	<31	U	<22	U	**<54**	US	<48	U	**<27**	US	**260**		<48	U	<44	U	<31	U	S2AVM
SSV-5	**<72**	US	<53	U	<120	U	**240**		<95	U	<46	U	**<52**	US	<56	U	<40	U	**<98**	US	<87	U	**<50**	US	**290**		<88	U	<80	U	<57	U	S2AVM
SSV-6	**<6.8**	US	<4.9	U	<11	U	**<5.2**	US	<22	U	<4.3	U	**<4.9**	US	<5.3	U	**8.6**		**<9.2**	US	<8.1	U	<4.7	U	**89**		<8.2	U	<7.5	U	<5.3	U	S2AVM
SSV-7	**<48**	US	<35	U	<80	U	**110**		<160	U	<30	U	**<34**	US	<37	U	<26	U	**<65**	US	<57	U	**<33**	US	**150**		<58	U	<53	U	<38	U	S2AVM
EPA RSL Residential (100 X for SSV)	41		5,200		NS		11		9,400		NS		61		42,000		630,000		9		NS		97		73,000		3,100,000		NS		10,000		Analytical Data Package Validation Stage
EPA RSL Industrial (100 X for SV)	200		22,000		NS		53		39,000		NS		310		180,000		2,600,000		45		NS		490		310,000		13,000,000		NS		44,000		
Soil Vapor Sample ID	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	
SV-1-5	**<340**	US	<250	U	<560	U	**<260**	US	<440	U	**2,400**		**<240**	US	<260	U	<180	U	**<460**	US	<400	U	**<230**	US	<300	U	<410	U	<370	U	<260	U	S2AVM
SV-1-5-D	**<340**	US	<250	U	<560	U	**<260**	US	<440	U	**2,500**		**<240**	US	<260	U	<180	U	**<460**	US	<400	U	**<230**	US	<300	U	<410	U	<370	U	<260	U	S2AVM
SV-1-10	**<180**	US	<130	U	<310	U	**650**		<240	U	**1,800**		**<130**	US	<140	U	<100	U	**<250**	US	<220	U	**<130**	US	**720**		<220	U	<200	U	<140	U	S2AVM
SV-2-5	**<52**	US	<38	U	<86	U	**840**		<170	U	<32	U	<37	U	<40	U	<28	U	**<70**	US	<62	U	<36	U	**240**		<63	U	<57	U	<40	U	S2AVM

Yellow Highlight/Bold: Detected value above regulatory standards.

Bold: Detected value below regulatory standard.

Shaded/US Qualifier: Sensitivity issue; Not detected at reporting limit that exceeds regulatory standard.

U Qualifier: qualified as not detected

Table 5. Sub-Slab Soil Vapor (SSV) and Soil Vapor (SV) Data for Volatile Organic Compounds (VOCs) (4 of 4)

Method	TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15		TO-15
Parameter	Heptane		Hexachloro-butadiene		Hexane		m,p-Xylene		Methyl tert-butyl ether		Methylene Chloride		o-Xylene		Propyl-benzene		Styrene		Tetrachloro-ethene		Tetra-hydrofuran		Toluene		trans-1,2-Dichloro-ethene		trans-1,3-Dichloro-propene		Trichloro-ethene		Vinyl Chloride		Analytical Data Package Validation Stage
Units	UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		
EPA RSL Residential (10 X for SSV)	NS		1.1		7,300		1,000		94		960		1,000		10,000		10,000		94		NS		52,000		630		6.1		4.3		1.6		
EPA RSL Industrial (10 X for SSV)	NS		5.6		31,000		4,400		470		12,000		4,400		44,000		44,000		470		NS		220,000		2,600		31		30		28		
Sub-Slab Soil Vapor Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
SSV-1	<8.2	U	<86	US	<7.1	U	<8.7	U	<7.3	U	<70	U	<8.7	U	<9.9	U	<8.6	U	**3,500**		<5.9	U	**180**		<8.0	U	<9.1	US	<11	U	<5.2	US	S2AVM
SSV-2	<16	U	<170	US	**21**		<17	U	<14	U	<140	U	<17	U	<19	U	<17	U	**8,300**		<12	U	**33**		<16	U	<18	US	**55**		<10	US	S2AVM
SSV-3	<33	U	<340	US	<28	U	<35	U	<29	U	<28	U	<35	U	<40	U	<34	U	**31,000**		<24	U	**100**		<32	U	<36	US	**1,500**		<20	US	S2AVM
SSV-4	<26	U	<270	US	<22	U	<27	U	<23	U	<220	U	<27	U	<31	U	<27	U	**13,000**		<19	U	**29**		<25	U	<29	US	**1,100**		<16	US	S2AVM
SSV-5	<47	U	<490	US	<40	U	<50	U	<41	U	<40	U	<50	U	<56	U	<49	U	**44,000**		<34	U	**64**		<46	U	<52	US	**1,600**		<29	US	S2AVM
SSV-6	<4.4	U	<46	US	<3.8	U	**8.8**		<3.9	U	<37	U	<4.7	U	<5.3	U	<4.6	U	**2,400**		<3.2	U	**130**		<4.3	U	<4.9	US	[illegible]		<2.7	US	S2AVM
SSV-7	<31	U	<320	US	<27	U	<33	U	<27	U	<260	U	<33	U	<37	U	<32	U	**16,000**		<22	U	<29	U	<30	U	<34	US	**360**		<19	US	S2AVM
EPA RSL Residential (100 X for SV)	NS		11		73,000		10,000		940		9,600		10,000		100,000		100,000		940		NS		520,000		6,300		61		43		16		Analytical Data Package Validation Stage
EPA RSL Industrial (100 X for SV)	NS		56		310,000		44,000		4,700		120,000		44,000		440,000		440,000		4,700		NS		2,200,000		26,000		310		300		280		
Soil Vapor Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
SV-1-5	<220	U	<2300	US	<190	U	<230	U	<190	U	<180	U	<230	U	<260	U	<230	U	**220,000**		<160	U	<200	U	**600**		<240	US	**14,000**		<140	US	S2AVM
SV-1-5-D	<220	U	<2300	US	<190	U	<230	U	<190	U	<180	U	<230	U	<260	U	<230	U	**230,000**		<160	U	<200	U	**610**		<240	US	**15,000**		<140	US	S2AVM
SV-1-10	<120	U	<1200	US	<100	U	<130	U	<100	U	<100	U	<130	U	<140	U	<120	U	**88,000**		<86	U	<110	U	**350**		<130	US	**6,300**		<74	US	S2AVM
SV-2-5	<34	U	<350	US	<29	U	<36	U	<30	U	<280	U	<36	U	<40	U	<35	U	**14,000**		<24	U	<31	U	<32	U	<37	U	**810**		<21	US	S2AVM

Yellow Highlight/Bold: Detected value above regulatory standards

Green Highlight/Bold: Detected value above regulatory standard (residential only)

Bold: Detected value below regulatory standard

Shaded/US Qualifier: Sensitivity issue; Not detected at reporting limit that exceeds regulatory standard

U Qualifier: qualified as not detected

Table 6. Indoor Air (IA) and Ambient Air (AA) Data for Volatile Organic Compounds (VOCs) (1 of 2)

Method	TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive
Parameter	1,1,1-Trichloro-ethane		1,1-Dichloro-ethene		1,2-Dichloro-ethane		2-Butanone (Methyl Ethyl Ketone)		Acetone		Benzene		Carbon Tetrachloride		Chloroform		cis-1,2-Dichloro-ethene		Cyclohexane		Ethyl Benzene		Heptane		Hexane		
Units	UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		Analytical Data Package Validation Stage
EPA RSL Residential	5,200		210		0.094		5,200		32,000		0.31		0.41		0.11		NS		6,300		0.97		NS		730		
EPA RSL Industrial	22,000		880		0.47		22,000		140,000		1.6		2.0		0.53		NS		26,000		4.9		NS		3,100		
IA and AA Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
IA-1 (Blank Adjusted)	**0.78**	J^{QC}	**0.051**		**0.075**		**14**	J^{QC}	**8.6**	E, J^{QC}	**1.3**	JH^{QC}	**<0.068**	U	**<0.054**	U	**0.041**		**1.0**		**1.8**	JH^{QC}	**1.4**		**1.7**		S2AVM
IA-1 (Original)	**0.78**	J^{QC}	**0.051**		**0.075**		**16**	J^{QC}	**16**	E, J^{QC}	**2.2**	JH^{QC}	<0.068	U	<0.054	U	0.041		1.0		2.2		1.4		6.7		S2AVM
IA-1 (Blank)	<0.065	U	<0.046	U	<0.038	U	**2.4**	J^{QC}	**7.4**	J^{QC}	**0.87**		<0.068	U	<0.054	U	<0.039	U	<0.5	U	0.38		<0.48	U	5.0		S2AVM
IA-2 (Blank Adjusted)	**0.12**	J^{QC}	**<0.046**	U	**<0.038**	U	**<4.2**		**<0.86**		[redacted]	JH^{QC}	**<0.068**	U	**<0.054**	U	**0.14**		**0.74**		**1.0**	JH^{QC}	**1.1**		**1.3**		S2AVM
IA-2 (Original)	**0.12**	J^{QC}	<0.046	U	<0.038	U	**6.0**	J^{QC}	**6.4**	J^{QC}	**2.0**	JH^{QC}	<0.068	U	<0.054	U	0.14		0.74		1.4	JH^{QC}	1.1		6.1		S2AVM
IA-2 (Blank)	<0.065	U	<0.046	U	<0.038	U	**2.3**	J^{QC}	**8.6**	E	**1.3**		<0.068	U	<0.054	U	<0.039	U	<0.5	U	0.38		<0.48	U	4.8		S2AVM
IA-3 (Blank Adjusted)	**0.19**	J^{QC}	**<0.046**	U	**<0.038**	U	**6.2**	J^{QC}	**<0.86**	U	[redacted]	JH^{QC}	**0.096**	J^{QC}	**<0.054**	U	**0.10**		**0.89**		**1.2**	JH^{QC}	**1.6**		**1.6**		S2AVM
IA-3 (Original)	**0.19**	J^{QC}	<0.046	U	<0.038	U	**8.9**	J^{QC}	**7.8**	J^{QC}	**2.4**	JH^{QC}	0.096	J^{QC}	<0.054	U	0.10		0.89		1.5	JH^{QC}	1.6		6.4		S2AVM
IA-3 (Blank)	<0.065	U	<0.046	U	<0.038	U	**2.7**	J^{QC}	**8.0**	J^{QC}	**1.3**		<0.068	U	<0.054	U	<0.039	U	<0.5	U	0.33		<0.48	U	4.8		S2AVM
IA-4 (Blank Adjusted)	**0.17**	J^{QC}	**<0.046**	U	**<0.038**	U	**4.5**	J^{QC}	**<0.86**	U	[redacted]	JH^{QC}	**<0.068**	U	**<0.054**	U	**0.12**		**0.86**		**1.0**	JH^{QC}	**1.2**		**1.2**		S2AVM
IA-4 (Original)	**0.17**	J^{QC}	<0.046	U	<0.038	U	**6.6**	J^{QC}	**7.4**	J^{QC}	**2.4**	JH^{QC}	<0.068	U	<0.054	U	0.12		0.86		1.4	JH^{QC}	1.2		6.0		S2AVM
IA-4 (Blank)	<0.065	U	<0.046	U	<0.038	U	**2.1**	J^{QC}	**8.3**	J^{QC}	**1.2**		<0.068	U	<0.054	U	<0.039	U	<0.5	U	0.37		<0.48	U	4.8		S2AVM
IA-5 (Blank Adjusted)	**0.11**	J^{QC}	**<0.046**	U	**<0.038**	U	**6.4**	J^{QC}	**<0.86**	U	[redacted]	JH^{QC}	**<0.068**	U	**<0.054**	U	**0.17**		**0.85**		**1.2**	JH^{QC}	**1.2**		**<0.84**	U	S2AVM
IA-5 (Original)	**0.11**	J^{QC}	<0.046	U	<0.038	U	**9.4**	J^{QC}	**8.9**	E, J^{QC}	**2.0**	JH^{QC}	<0.068	U	<0.054	U	0.17		0.85		1.6	JH^{QC}	1.2		5.8		S2AVM
IA-5 (Blank)	<0.065	U	<0.046	U	<0.038	U	**3.0**	J^{QC}	**8.6**	E, J^{QC}	**1.1**		<0.068	U	<0.054	U	<0.039	U	<0.5	U	0.36		<0.48	U	5.2		S2AVM
AA-1 (Blank Adjusted)	**<0.065**	U	**<0.046**	U	**<0.038**	U	**<4.2**	U	**<0.86**	U	**<0.68**	US	**<0.068**	U	**<0.054**	U	**<0.039**	U	**0.73**		**0.93**		**0.83**		**1.5**		S2AVM
AA-1 (Original)	<0.065	U	<0.046	U	<0.038	U	**3.2**	J^{QC}	**4.2**		**2.1**		<0.068	U	<0.054	U	<0.039	U	0.73		1.3		0.83		6.3		S2AVM
AA-1 (Blank)	<0.065	U	<0.046	U	<0.038	U	**2.6**	J^{QC}	**10**	E, J^{QC}	**1.5**		<0.068	U	<0.054	U	<0.039	U	<0.5	U	0.37		<0.48	U	4.8		S2AVM

Yellow Highlight/Bold: Original detected value above industrial regulatory standard; adjusted valued below industrial standard.

Green Highlight/Bold: Detected value above regulatory standard (residential only).

Bold: Detected value below regulatory standard.

E Qualifier: Sample amount exceeds instrument calibration range.

US Qualifier: Sensitivity issue; detection limit is above regulatory standard.

Shaded: Results adjusted due to levels detected in sample blank.

U Qualifier: qualified as not detected

JH^{QC} Qualifier: Estimated value biased high due to blank level within five times level found in sample.

J^{QC} Qualifier: Estimated value due to bias in continuing calibration verification and/or LCSD accuracy and precision.

Table 6. Indoor Air (IA) and Ambient Air (AA) Data for Volatile Organic Compounds (VOCs) (2 of 2)

Method	TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive		TO-17 Ultra III Passive
Parameter	m,p-Xylene		Methyl tert-butyl ether		Methylene Chloride		o-Xylene		Tetrachloroethene		Toluene		trans-1,2-Dichloro-ethene		Trichloroethene		
Units	UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		UG/M3		Analytical Data Package Validation Stage
EPA RSL Residential	100		9.4		96		100		9.4		5,200		63		0.43		
EPA RSL Industrial	440		47		1,200		440		47		22,000		260		3.0		
IA and AA Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	
IA-1 (Blank Adjusted)	**7.3**		<0.42	U	<1.5	U	**2.6**		**4.9**		**6.8**		<0.044	U	**0.13**		S2AVM
IA-1 (Original)	**7.7**		<0.42	U	<0.77	U	**2.8**		**4.9**		**7.3**		<0.044	U	**0.13**		S2AVM
IA-1 (Blank)	**0.41**		<0.42	U	**1.5**		**0.18**		<0.090	U	**0.49**		<0.044	U	<0.053	U	S2AVM
IA-2 (Blank Adjusted)	**3.7**		<0.42	U	<1.5	U	**1.5**		**8.6**		**3.6**		**0.064**		**0.19**		S2AVM
IA-2 (Original)	**4.2**		<0.42	U	<0.77	U	**1.7**		**8.6**		**4.2**		**0.064**		**0.19**		S2AVM
IA-2 (Blank)	**0.50**		<0.42	U	**1.6**		**0.21**		<0.090	U	**0.56**		<0.044	U	<0.053	U	S2AVM
IA-3 (Blank Adjusted)	**4.6**		<0.42	U	<1.5	U	**1.8**		**5.5**		**4.4**		**0.058**		**0.18**		S2AVM
IA-3 (Original)	**5.0**		<0.42	U	<0.77	U	**2.0**		**5.5**		**4.9**		**0.058**		**0.18**		S2AVM
IA-3 (Blank)	**0.45**		<0.42	U	**1.6**		**0.18**		<0.090	U	**0.51**		<0.044	U	<0.053	U	S2AVM
IA-4 (Blank Adjusted)	**4.1**		<0.42	U	<1.5	U	**1.6**		**6.9**		**3.6**		**0.058**		**0.20**		S2AVM
IA-4 (Original)	**4.6**		<0.42	U	<0.77	U	**1.8**		**6.9**		**4.7**		**0.058**		**0.20**		S2AVM
IA-4 (Blank)	**0.46**		<0.42	U	**1.6**		**0.22**		<0.090	U	**1.1**		<0.044	U	<0.053	U	S2AVM
IA-5 (Blank Adjusted)	**4.6**		<0.42	U	<1.5	U	**1.8**		**8.8**		**4.4**		**0.071**		**0.29**		S2AVM
IA-5 (Original)	**5.1**		<0.42	U	<0.77	U	**2.0**		**8.9**		**4.9**		**0.071**		**0.29**		S2AVM
IA-5 (Blank)	**0.47**		<0.42	U	**1.7**		**0.19**		**0.12**		**0.48**		<0.044	U	<0.053	U	S2AVM
AA-1 (Blank Adjusted)	**3.7**		<0.42	U	<1.5	U	**1.5**		**0.16**		**4.0**		<0.044	U	<0.053	U	S2AVM
AA-1 (Original)	**4.2**		<0.42	U	<0.77	U	**1.7**		**0.16**		**4.6**		<0.044	U	<0.053	U	S2AVM
AA-1 (Blank)	**0.50**		<0.42	U	**2.1**		**0.21**		<0.090	U	**0.58**		<0.044	U	<0.053	U	S2AVM

Bold: Detected value below regulatory standard.

Table 7. Investigation-Derived Waste (IDW) Soil Data for RCRA Metals and VOCs (1 of 1)

Method	7471		6010B		6010B		6010B		6010B		6010B		6010B		6010B	
Parameter	Mercury		Arsenic		Barium		Cadmium		Chromium		Lead		Selenium		Silver	
Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
TCLP (mg/L)	0.2		5		100		1		5		5		1		5	
20 x TCLP (mg/kg)	4		100		2000		20		100		100		20		100	
Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q
ID LINEN IDW	**0.065**	JH[QC]	**5**		**37**		<0.040		**18**	JH[QC]	**32**	JH[QC]	<0.32		<0.16	

Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
Parameter	Benzene		Carbon tetrachloride		Chlorobenzene		Chloroform		1,4-Dichloro-benzene		1,2-Dichloro-ethane		1,1-Dichloro-ethene		Hexachloro--1,3-butadiene		2-Butanone (MEK)		Tetrachloroethene		Trichloroethene		Vinyl chloride	
Units	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
TCLP (mg/L)	0.5		0.5		100		6		7.5		0.5		0.7		0.5		200		0.7		0.5		0.2	
20 x TCLP (mg/kg)	10		10		2000		120		150		10		14		10		4000		14		10		4	
Sample ID	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q
ID LINEN IDW	<0.00034		<0.00038		<0.00032		<0.00043		<0.00032		<0.00040		<0.00063		<0.00038		<0.0028		**0.13**		**0.015**		<0.00038	

Bold: Detected value below regulatory standard

JH[QC] Qualifier: Estimated value based on QC evaluation due to lab duplicate and/or MS/MSD accuracy

Table 8. Investigation-Derived Waste (IDW) Purge Water Data for RCRA Metals and VOCs (1 of 1)

Method	6010B		6010B		6010B		6010B		6010B		6010B		6010B	
Parameter	Arsenic		Barium		Cadmium		Chromium		Lead		Selenium		Silver	
Units	mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l	
TCLP	5		100		1		5		5		1		5	
Sample ID	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**
ID LINEN IDW WATER	**0.048**		**0.95**		<0.0014		**0.24**		**0.32**		**0.01**	J	<0.0038	UJL[QC]

Method	8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B		8260B	
Parameter	Benzene		Carbon tetrachloride		Chlorobenzene		Chloroform		1,4-Dichloro-benzene		1,2-Dichloro-ethane		1,1-Dichloroethene		Hexachloro-1,3-butadiene		2-Butanone (MEK)		Tetrachloroethene		Trichloroethene		Vinyl chloride	
Units	mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l	
TCLP	0.5		0.5		100		6		7.5		0.5		0.7		0.5		200		0.7		0.5		0.2	
Sample ID	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**	**Value**	**Q**
ID LINEN IDW WATER	<0.00018		<0.00038		<0.00025		<0.00022		<0.00019		<0.00026		<0.00040		<0.00038		<0.0030		**0.009**		**0.0029**		<0.00028	

Bold: Detected value below regulatory standard.

UJL[QC]: Estimated nondetect value based on QC evaluation due to low MS/MSD recoveries.

J: Estimated value below the lowest calibration point. Confidence correlates with concentration.

Table 9: Summary of Soil Vapor Sampling Point Field Screening Results for Mixed Gases

Sample Point ID	Type	Screened Interval	Carbon Monoxide (ppm)	Hydrogen Sulfide Gas (ppm)	Methane/ LEL	Oxygen (%)	PID (ppm)
SV-1	Soil Vapor	4-5 ft bgs	0	0	0	16.9	27.6
		9-10 ft bgs	0	0	0	14.4	9.5
SV-2		4-5 ft bgs	0	0	0	18.6	0
SSV-1	Sub-Slab Soil Vapor	0.5-1 ft bgs	0	0	0	19.4	0
SSV-2			4	0	0	4.8	0
SSV-3			0	0	0	17.4	2.1
SSV-4			0	0	0	18.4	0.3
SSV-5			0	0	0	17.1	2.7
SSV-6			0	0	0	18.6	0
SSV-7			0	0	0	19.1	0

Table 10: Location and Elevation Information for Groundwater Monitoring Wells, Soil and Sub-Slab Soil Vapor Points and Exploratory Soil Borings

NAME	TYPE	NORTHING	EASTING	GROUND ELEVATION	TOP OF CASING ELEVATION
MW-4	Groundwater Monitoring Well	709172.9951	2503797.6441	2692.71	2692.15
MW-5		709211.5149	2503771.8663	2692.196	2691.75
MW-6		709200.4261	2503734.2655	2691.589	2691.38
MW-7		709266.3703	2503700.9254	2692.259	2692.06
SB-01	Exploratory Soil Boring	709184.9102	2503802.8349	NR	
SB-02		709187.4586	2503798.4863	2692.637	
SB-03		709207.949	2503814.786	2692.993	
SB-04		709212.4398	2503807.9153	2692.987	
SB-05		709210.6224	2503742.6396	2691.609	
SB-07		709174.3764	2503791.4213	2692.777	
SB-08		709156.9559	2503778.8139	2692.539	
SB-09		709133.4539	2503763.6401	2691.814	
SB-10		709165.7771	2503785.9048	2692.70	
SV-1	Soil Vapor Point	709190.5802	2503792.9635	2692.794	
SV-2		709203.6272	2503782.1912	2689.494	
SSV-1	Sub-Slab Soil Vapor Point	709291.7272	2503799.6281	NR	
SSV-2		709207.6864	2503739.4483	2691.6280	
SSV-3		709189.8807	2503769.8369	NR	
SSV-4		709158.2378	2503756.6991	NR	
SSV-5		709177.8233	2503780.0539	NR	
SSV-6		709172.4610	2503729.1303	2690.3780	
SSV-7		709186.2629	2503751.3898	2692.6900	

NR = Not Recorded

Horizontal location information from Idaho State Plane West NAD 1983, Vertical location information from the NAVD 1988.

Appendix C

Uniform Hazardous Waste Manifest

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IDR000203166
2. Page 1 of 1
3. Emergency Response Phone: 800-483-3718
4. Manifest Tracking Number: 004496861 FLE

5. Generator's Name and Mailing Address: Idaho Linen, 1301 Vista Ave, Boise, ID 83705
Generator's Phone: 208-342-0090 ~~208-342-0900~~ OT

Generator's Site Address (if different than mailing address): 5169 S. 8th Street, Boise, ID 73702

6. Transporter 1 Company Name: Environmental Management Solutions, Inc — U.S. EPA ID Number: IDR000204651

7. Transporter 2 Company Name: Clean Harbors Environmental Services Inc. — U.S. EPA ID Number: MAD039322250

8. Designated Facility Name and Site Address: Clean Harbors Aragonite LLC, 11600 North Aptus Rd, Aragonite, UT 84029, 801-323-8100
Facility's Phone:
U.S. EPA ID Number: UTD981552177

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, UN1263, Waste Paint Related Material,3, PG III, ERG #128	001	DM	0223	P	D001	D035	
X	2. UN1950, Waste Aerosols, Flammable, ~~41 C.F.R.~~ 49, ~~(49CFR)~~ 49, (each not exceeding 1 L capacity), 2.1, ERG #126	001	DM	006	P	D001 F003	D035 F005	
X	3. UN1950, Waste Aerosols, Poison, (each not exceeding 1 L capacity), 2.2,(6.1), ERG #126	001	DM	005	P	U080		
X	4. RQ, UN1993, Waste Flammable Liquids, N.O.S., PG II, ERG #128	001	DM	029	P	D001	F003	

14. Special Handling Instructions and Additional Information
9B1 CH607872 [559] x 1
9B2 CH607876 [59] x 1
9B3 CC-35773-SP [59] x 1
9B4 LCCRD [59] x 1

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: GREGORY KASKO — Signature: [signature] — Month 02 Day 08 Year 13

INT'L

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: David Thurgood — Signature: David Thurgood — Month 02 Day 08 Year 13
Transporter 2 Printed/Typed Name: William Peasnall — Signature: [signature] — Month 2 Day 13 Year 13

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. H040 3. H040 4. H141

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible] — Signature: [signature] — Month 2 Day 20 Year 1

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: ID R000209166
2. Page 1 of 1
3. Emergency Response Phone: 800-483-3718
4. Manifest Tracking Number: 004496861 FLE

5. Generator's Name and Mailing Address: [illegible] 1301 Vista Ave Boise, ID 83705 208-342-[illegible]

Generator's Site Address (if different than mailing address): [illegible] 8th Street Boise, ID 83702

Generator's Phone:

6. Transporter 1 Company Name: Environmental Management Solutions, Inc. — U.S. EPA ID Number: ID R000204651

7. Transporter 2 Company Name: Clean Harbors Environmental Services Inc — U.S. EPA ID Number: MAD039322250

8. Designated Facility Name and Site Address: Clean Harbors Aragonite LLC, 11600 North Aptus Rd, Aragonite, UT 84029, 801-534-[illegible] — U.S. EPA ID Number: UTD981553177

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA, UN1263, Waste Paint Related Material, 3, PG III, ERG #128	001	DM	022	P	D001 D035
X	2. UN1950, Waste Aerosols, Flammable, 2.1, ERG #126 (each not exceeding 1 L capacity)	001	DM	001	P	D001 D035 D003 D002
X	3. UN1950, Waste Aerosols, Poison, (each not exceeding 1 L capacity), 2.3 (6.1), ERG #126	001	DM	005	P	D040
X	4. NA, UN1993, Waste Flammable Liquids, N.O.S., 3, PG II, ERG #128	001	DM	009	P	D001 D003

14. Special Handling Instructions and Additional Information: [illegible]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [illegible] — Signature: [illegible] — Month 02 Day 07 Year 15

GENERATOR

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

INT'L

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible] — Signature: [illegible] — Month 02 Day 07 Year 15
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

TRANSPORTER

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. IDR000203166

Manifest Document No. 79821

2. Page 1 of 1

3. Generator's Name and Mailing Address
Idaho Linen
516 S. 8th Street
Boise, ID 83702

4. Generator's Phone ( ) ~~208-342-0900~~ 208-342-0090

5. Transporter 1 Company Name: Environmental Management Solutions, Inc

6. US EPA ID Number: IDR000204651

A. State Transporter's ID

B. Transporter 1 Phone: 208-467-3333

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
I.W.S.
16415 N. W. Waste Site Dr.,
Mayfield, ID. 83716

10. US EPA ID Number: S W Facility

E. State Facility's ID

F. Facility's Phone: 208-796-2727

GENERATOR

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Material Not Regulated by D.O.T. (Used Oil)	01	DF	00191	P
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Emergency no.: 208-467-3333

NON-HAZARDOUS WASTE

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Gregory Kasb
Signature: Gregory Kasb
Date: Month 02 Day 08 Year 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: David Thurgood
Signature: David Thurgood
Date: Month 02 Day 08 Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name:
Signature:
Date: Month Day Year

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. IDR000203166

Manifest Document No. 2513-D

2. Page 1 of 1

3. Generator's Name and Mailing Address
Idaho Linen
516 S. 8th Street
Boise, ID. 83702

4. Generator's Phone ( ) ~~208-342-0900~~ 208-342 0090

5. Transporter 1 Company Name: Environmental Management Solutions, Inc.

6. US EPA ID Number: IDR000204631

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
I.W.S.
16415 NW Waste Site Dr.
Mayfield, ID. 83716

10. US EPA ID Number: S W Facility

A. State Transporter's ID

B. Transporter 1 Phone: 208-467-3333

C. State Transporter's ID

D. Transporter 2 Phone

E. State Facility's ID

F. Facility's Phone: 208-796-2727

GENERATOR

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Material Not Regulated by D.O.T. (Latex Paint / Bldg debris)	01	CF	00300	P
b. Material Not Regulated by D.O.T. (Non Haz products / Empty Drums)	04	DM	0325	P
c. Material Not Regulated by D.O.T. (Non Haz. products / Empty Drums)	26	DF	00700	P
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Emergency # 208-467-3333

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Carey Kinko | Signature | Date: Month 02 Day 08 Year 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: David Thurgood | Signature: David Thurgood | Date: Month 02 Day 08 Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name | Signature | Date: Month Day Year

NON-HAZARDOUS WASTE

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Rev 3/95

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: ID R000203166
2. Page 1 of: 2
3. Emergency Response Phone: 800-374-1516
4. Manifest Tracking Number: 004496860 FLE

5. Generator's Name and Mailing Address: Idaho Linen, 1301 Vista Ave, Boise, ID, 83705
Generator's Site Address (if different than mailing address): 5169 Ada Street, Boise, ID 83702
Generator's Phone:

6. Transporter 1 Company Name: Environmental Management Solutions, Inc.
U.S. EPA ID Number: ID R000204651

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: US Ecology Idaho Inc, 20000 Lemley Rd, Grandview, ID 83624
U.S. EPA ID Number: IDD073114654
Facility's Phone: 800-374-1516

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, UN1760, Waste corrosive liquid, basic, inorganic, N.O.S., (Sodium Hydroxide), 8, PGII, ERG #154	01	DF	110	G	D002		D007
X	2. RQ, UN1760, Waste corrosive liquid, basic, inorganic, N.O.S., (Sodium Hydroxide), 8, PGII, ERG #154	001	DF	020	G	D002		
X	3. UN1759, Waste corrosive solid, N.O.S., (Sodium metasilicate), 8, PGII, ERG #154	001	DM	171	P			
X	4. UN1759, Waste corrosive solid, N.O.S., (Sodium hydroxide), 8, PGII, ERG #154	001	DM	346	P			

14. Special Handling Instructions and Additional Information

001: 3012 003: 3024
002: 3023 004: 3025

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [illegible] Signature: [illegible] Month 02 Day 09 Year 1[illegible]

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dave Hurado Signature: [illegible] Month 02 Day 09 Year 1[illegible]
Transporter 2 Printed/Typed Name: Signature: Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator): U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator): Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Signature: Month Day Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number

22. Page 2

23. Manifest Tracking Number

24. Generator's Name

25. Transporter _____ Company Name — U.S. EPA ID Number

26. Transporter _____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
X	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
X	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
X	UN2794 Wa[illegible] liquids, [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	D001	W14	
X	UN2902, Wa[illegible] liquid, [illegible]	[illegible]	[illegible]	[illegible]	[illegible]			

32. Special Handling Instructions and Additional Information

[illegible]

GENERATOR

33. Transporter _____ Acknowledgment of Receipt of Materials

Printed/Typed Name — Signature — Month — Day — Year

34. Transporter _____ Acknowledgment of Receipt of Materials

Printed/Typed Name — Signature — Month — Day — Year

TRANSPORTER

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

DESIGNATED FACILITY

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY