START 3

Superfund Technical Assessment and Response Team 3 - Region 8

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SAMPLING ACTIVITIES REPORT

MIDTOWN DRY CLEANERS SITE
Denver, Denver County, Colorado

TDD No. 0711-09

October 30, 2009

URS
OPERATING SERVICES, INC.

In association with:
Garry Struthers Associates, Inc.
LT Environmental, Inc.
TechLaw, Inc.
Tetra Tech EM, Inc.
TN & Associates. Inc.

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SAMPLING ACTIVITIES REPORT

MIDTOWN DRY CLEANERS SITE
City and County of Denver, Colorado

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1.0 INTRODUCTION

The URS Operating Services, Inc. (UOS) Superfund Technical Assessment and Response Team 3 (START) was tasked by the U.S. Environmental Protection Agency (EPA), Region 8, under Technical Direction Document (TDD) No. 0711-09 to conduct an investigation at the Midtown Dry Cleaners site in the City and County of Denver, Colorado. The primary goals of the investigation were to determine contaminant concentrations of indoor ambient air and air under basement slabs in structures that are within the extent of an observed groundwater contaminant plume, and to obtain groundwater samples from locations within the contaminant plume. Prior investigations indicated an apparent contaminant source and associated groundwater plume that extended for approximately two blocks from the source in 2001. These activities investigated the existence of that plume and associated potential indoor air concentrations of volatile organic gases. The investigation was conducted with guidance from the "Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils" (U.S. Environmental Protection Agency (EPA) 2002). Field activities were performed from February 11 to 20, 2008.

2.0 SITE LOCATION AND DESCRIPTION

The Midtown Dry Cleaners site is located at 1700 Humboldt Street in Denver, Colorado, on the northeast corner of East 17th Avenue and Humboldt Street (Figure 1). It resides in the southwest quarter of Section 35 in T. 3 S., R. 68 W., 6th Principle Meridian, with Universal Transverse Mercator coordinates of 502600 easting, 4399000 northing. The legal description is lots 20, 21, and 22, Park Avenue Addition, City and County of Denver, Colorado. The site is owned by the Denver Midtown Development Company (Midtown) who also owns some adjacent buildings (Colorado Department of Public Health and Environment (CDPHE) 2007). The site is currently the home to Strings Restaurant, a popular eatery that has been at this location for several years. The neighborhood surrounding the site includes mixed residential (single family and multiple family) buildings. Several restaurants and night clubs are also located in the area, as well as small professional offices and commercial businesses. A large hospital complex is located one block north of the site.

3.0 SITE HISTORY AND PREVIOUS WORK

Dry cleaning operations have existed at the site location for 64 years, beginning in 1916 as the Muller-Ray Cleaning and Dying Company. The site was operated by the Gigantic Cleaners from the late 1960s until 1979. The property was vacant from 1979 until 1981 when the Midtown purchased the property and remodeled the building to house restaurant operations (CDPHE 2007).

All previous site investigative work was performed by the ERO Resources Corporation (ERO) during a period beginning in May 1999 and continuing until October 2000. Table A below summarizes site sampling events performed by ERO.

TABLE A
ERO Sampling Summary

Date	Sample Type	Location	Laboratory Analysis
May 1999	Indoor Air	Back room, Basement	TO-15 VOA
Oct 1999	Soil Groundwater	BEL-2, 3 BEL-1, 2, 3	8010 VOA 8010 VOA
Nov 1999	Soil Groundwater	BB-2 BB-1, 2, 3, 4, 5, 8, 9, 10	8010 VOA 8010 VOA
Dec 1999	Groundwater	BB-11	8010 VOA
Apr 2000	Indoor Air	Inside 1714, Outside 1714	TO-15 VOA
May 2000	Groundwater	BB-12, 13, 14, 15, 16	8260 VOA
June 2000	Soil Groundwater	BB-22 BB-17, 18, 21, 22	8260 VOA 8260 VOA
Sep 2000	Indoor Air	12203 Humboldt Basement	TO-15 VOA
Oct 2000	Soil	IB-1, 2, and 3	8260 VOA

Source: CDPHE 2007 VOA – Volatile Organic Analysis BEL – Monitoring Well BB – Soil Boring

ERO identified a contaminated groundwater plume that extends for approximately 1,500 feet downgradient (northwest) of the site and is approximately 400 feet wide (CDPHE 2007). Groundwater contaminants observed in April 1999 included tetrachloroethene (PCE) at 1,200 parts per billion (ppb), 1,2-dichloroether (DCE) at 2,800 ppb, and trichloroethene (TCE) at 630 ppb. A layer of black stained/smeared soils (as much as five feet thick under the site) was also observed by ERO near the water table and extended approximately 250 feet downgradient (northwest) of the site and was approximately 130 feet wide (CDPHE 2007). Subsurface soils contaminants observed by ERO in October 2000 included PCE at >8,300 ppb, TCE at 30 ppb, ethylbenzene at 1,900 ppb, and total xylenes at >13,000 ppb. Groundwater contamination observed on site by ERO indicated the presence of chlorinated and non-chlorinated contaminants, implying the presence of light non-aqueous phase liquid (LNAPL) and dense non-aqueous phase liquid (DNAPL) contaminants. The areal extent of contaminant influence included approximately 12 acres (CDPHE 2007). Indoor air at the site was observed by ERO to include PCE at 250 micrograms per cubic meter ($\mu g/m^3$), and TCE at 19 $\mu g/m^3$; several times the acceptable Colorado Department of Public Health and Environment (CDPHE) risk-based limit (CDPHE 2007).

ERO identified as many as six tanks, presumed to be aboveground storage tanks (ASTs), which were collocated with two 500-gallon underground storage tanks (USTs) in a rectangular open courtyard/atrium area

in the central portion of the original building. The courtyard area was incorporated into the current building configuration when Midtown remodeled the space; therefore the courtyard is no longer evident. Additionally, three tanks are believed to have been located on site in an area southeast of the open courtyard/atrium. A 1929 Sanborn Fire Insurance map appears to label these tanks as "gasoline." A "shaft hole" west of the former courtyard/atrium is also noted on the Sanborn maps (CDPHE 2007). Indications of other tanks, sumps, dry wells, etc. were not observed by ERO. Midtown allegedly closed the two 500-gallon USTs during their remodeling activities by removing "what may have been diesel fuel" from the tanks, filling them with gravel, and leaving them in place (CDPHE 2007). Work was managed by ERO.

4.0 SITE CHARACTERISTICS

4.1 Geology

The site geologic description, as presented by ERO and determined by soil coring and drilling observations, indicates that unconsolidated alluvial and colluvial sediments of a heterogeneous and anisotropic nature exist at the site from the ground surface to an approximate depth of 14.5 feet to 23 feet below ground surface (bgs). The unconsolidated sediments consist primarily of sands with varying amounts of clay and silt, and minor amounts of gravel. These sediments are most likely the product of weathered and eroded Denver formation sediments. The Denver formation bedrock was located on site by drilling and coring methods at approximately 20 feet bgs. It includes siltstones, sandstones, and channel sand deposits. At the site the top of the Denver formation was determined by ERO to dip steeply to the southwest with a grade of approximately four to five percent (CDPHE 2007).

4.2 Hydrogeology

The shallow unconfined aquifer was determined by ERO to be approximately 15 feet bgs in the year 2000 (START observed the shallow unconfined static water level to range from approximately 11 to 15 feet bgs, with several well locations not producing any water, i.e., dry in February 2008). The shallow unconfined water table was measured by ERO to have an approximate one percent gradient (0.009 foot per foot) to the northwest, with a saturated thickness of approximately five feet. Slug tests indicated a hydraulic conductivity of approximately three feet per day, consistent with on-site sediments of silty to clean sand. Unsaturated conditions were observed by ERO at a topographic high immediately north of the site (CDPHE 2007).

The closest observed permitted drinking water well is located approximately three blocks from the site at the Presbyterian-Saint Luke's Medical Center, 1719 East 19th Avenue. The well depth is unknown but the well is located in a hydraulically and structurally upgradient direction from the site. No other permitted water wells with traceable coordinates were observed within ½ mile of the site by ERO (CDPHE 2007). The well is likely screened within the Fox Hills formation, a locally productive aquifer that is located hundreds of feet below the site area and protected by various shallower geologic formations.

5.0 PCE DESCRIPTION AND COMMON USES

Because PCE is the primary contaminant of concern at the site a discussion of its characteristics is included here. PCE is a halogenated solvent that is usually clear and colorless. PCE is commonly used in the dry cleaning industry and less commonly used for cold cleaning and vapor degreasing of metals. Other reported uses include a chemical intermediate in the synthesis of fluorocarbons, textile production, insulating fluid and cooling gas in electric transformers, and typewriter correction fluids. Aerosol formulations, solvent soaps, printing inks, adhesives, sealants, polishes, lubricants, silicones, and shoe polish are other products that may contain PCE (EPA 1994).

The molecular formula of PCE is $Cl_2C{=}CCl_2$. PCE is relatively volatile with a vapor pressure of 17.8 millimeters (mm) of mercury at 25 degrees Celsius (°C) and has a relatively high density with a specific gravity of 1.626. The solubility of PCE in water is 150 milligrams pre liter (mg/L) at 25°C (EPA 1994).

The reduction reaction daughter product of PCE is trichloroethene (TCE). TCE is denser than water with a specific gravity of 1.46 at 20°C (Hazardous Substances Data Bank (HSDB) 2004). The solubility of TCE in water is 1,100 mg/L at 25°C. TCE is a volatile chemical with a relatively high vapor pressure of 57.9 mm of mercury at 25 °C (EPA 2002). The products of TCE are cis-Dichloroethene, trans-Dichloroethene, and 1,1-Dichloroethene. Vinyl chloride and ethylene are the final products of the reduction reactions (Environmental Science & Technology (ES&T) 1987).

6.0 SAMPLING ACTIVITIES

UOS conducted the assessment based on the Data Quality Objective (DQO) process described in the "Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils" (EPA 2002). The DQO process steps are; "adequately determine the nature and extent of contamination" and "identify

potential exposure pathways and receptors that may be at risk." The assessment was conducted to develop a Conceptual Site Model (CSM) consisting of a detailed description of the contaminant source, the extent and magnitude of groundwater contamination, and the exposure pathways. The three tiers of assessment described in the EPA guidance were addressed as follows:

Tier 1: Preliminary Screening – A potential threat existed based on previous investigations. PCE is a contaminant with sufficient volatility and toxicity to pose a potential vapor intrusion risk and elevated PCE concentrations were identified in groundwater.

Tier 2: Secondary Screening – A PCE concentration of 100 micrograms per liter (µg/L) in groundwater was calculated as the level of concern for a potential threat to indoor air contamination (EPA 2006). The groundwater plume information from prior site studies was used to determine the boundaries of the vapor intrusion assessment.

Tier 3: Site Specific Pathway Assessment - Indoor, crawlspace, and subslab air samples were collected from a subset of potentially impacted buildings.

Sampling activities were performed at the site during February 2008. Nine temporary groundwater wells were installed and sampled at locations surrounding the suspected contaminant source, and in hydraulically upgradient and downgradient positions. Six (subslab) soil gas samples were obtained from directly below concrete floors within the basements of five buildings that were located in the contaminated groundwater plume area, including one sample from a hole in a floor where a sump pump had been installed by the owner. Eight indoor air samples were also obtained from basement areas, and were collocated with the subslab soil gas samples when possible. Photo documentation of the site and sampling activities is included in Appendix A.

6.1 GROUNDWATER SAMPLES

Seven groundwater monitoring wells were installed at the site by ERO during 1999 and 2000. An attempt was made to obtain contemporary groundwater samples from the same locations sampled by ERO (See Table A in Section 3.0).

Groundwater sample collection was attempted at nine locations at the site, eight from within the known contaminant plume and one from a hydraulically upgradient location (Figure 2). Groundwater was present in only six of the nine locations, and in minor amounts.

Groundwater sampling was performed with the use of a Power Probe® truck-mounted hydraulically powered subsurface coring device. A 2-inch diameter core hole was advanced to a depth of refusal where the equipment would no longer penetrate materials within the shaley-bedded Denver Formation bedrock. Factory clean 0.75-inch outside diameter polyvinyl chloride (PVC) pipe was placed into the core holes after coring equipment was removed in order to ensure that a water sample would be possible if the core hole collapsed during the interim period while waiting for groundwater to enter the core hole, over periods of days. A five-foot section of PVC screen with a slot size of 0.010 inch and fitted with an end cap was placed within the top portion of the water table at the bottom of each core hole. Blank PVC pipe was placed above the screened interval to the ground surface. Two wells produced ample water for sample collection at the time of initial core hole advancement. All other wells required additional time (a few days) for groundwater to enter the core hole. Groundwater was purged from each well when possible in an attempt to sample fresh groundwater, after which a water sample was obtained. Groundwater samples were obtained from a routine depth of approximately 14 to 17 feet bgs at the site.

Groundwater samples were obtained by placing dedicated 0.25-inch diameter Tygon® tubing through the dedicated PVC casing/screen and into the aquifer at each well. A peristaltic pump was used to pull groundwater to the surface directly into sample bottles. A Toxic Vapor Analyzer® instrument was used during well purging and sampling activities to monitor for volatile organic gases. None were observed. Groundwater sample parameters and well purging observations are included on Table 1. Relevant laboratory analytical results are summarized in Table 6. All groundwater sampling equipment was dedicated; therefore, it was single use only and did not require decontamination.

All core holes were plugged and abandoned by placing clean Colorado Silica 10/20 mesh sand into the aquifer zone, typically from the base of the core hole to approximately 10 feet bgs. A bentonite seal was then placed above the sand to near the ground surface where the core hole was topped off with approximately six inches of sand.

6.2 INDOOR AIR SAMPLES

In an effort to eliminate potential influence from subslab soil gas sampling, which was typically performed at the same locations as the indoor air sampling locations, the subslab sampling activities were performed after all indoor air sampling operations were performed. Nine indoor air samples (including quality control samples) were collected in stainless steel, glass lined SUMMA™ canisters

fitted with a 24-hour regulator. To ensure that negative pressure was always maintained within the SUMMA™ canister in an effort to protect the integrity of the sample, the actual sampling period was 22 hours. The canister was placed within the desired sampling location, out of traffic flow (typically in the area of subslab soil gas sampling locations). All SUMMA™ canisters were fitted with pressure regulators and were decontaminated/prepared by the analyzing laboratory prior to deployment. The initial vacuum pressure of the canister was recorded prior to collecting the sample, and a final vacuum pressure was recorded at the time of canister retrieval. Any discrepancies were noted, as was the case for the duplicate sample analysis at location MD-IA-03 where a zero final pressure was observed on the SUMMA™ canister regulator. That sample was considered compromised and therefore unreliable with regard to actual contamination observed during the sampling period. A summary of sample collection locations is presented in Table B below. Laboratory analytical results are presented in Table 4.

6.3 SUBSLAB SOIL GAS SAMPLES

Seven subslab soil gas samples were collected that consisted of interstitial gas/air accumulation between soil particles in areas underneath concrete slab floors within the basements of homes. The soil gas was collected by first installing an air-tight sampling port into the concrete floor. This was accomplished by drilling an approximately 0.5-inch diameter hole through the concrete slab at an inconspicuous location so normal traffic flow in the home was not affected. A brass tube was inserted through the hole and set in place with quick drying pre-mixed cement. A brass fitting and cap were threaded to the top of the brass tube where sampling equipment was connected at the time of sample collection. The cement that sealed the sampling tube apparatus was allowed to dry over night in order to ensure an air-tight seal prior to sampling. The brass cap remained attached to the top fitting except during periods of sampling to ensure that soil gas would not enter the basement at any time.

The subslab samples were collected using the following procedure: a length of dedicated Tygon™ tubing was attached to the sampling port and air was purged from the port using a portable SKC® pump at the rate of two liters per minute (L/m). The tubing was then attached to a dedicated Tedlar™ bag contained within a vacuum chamber. Air was vacated from the vacuum chamber, thus causing the Tedlar™ bag to fill with soil-gas derived from beneath the concrete slab floor. The soil-gas sample within the Tedlar™ bag was then analyzed by a START chemist using a HAPSITE™ Gas Chromatograph/Mass Spectrometer (GC/MS) instrument stationed at the EPA Region 8 warehouse

laboratory. A summary of sample collection locations is presented in Table B below. Laboratory analytical results are presented in Table 5.

TABLE B
Indoor Air and Subslab Sampling Locations

Address	Sample Type	Structure/business Type	Owner
1700 Humboldt	IA,SS	Strings Restaurant	TCNCMC LLC (Midtown)
1712 Humboldt	IA	Residential	Bellamy, A. and M.
1714 Humboldt	IA,SS	Residential	Bellamy, A. and M.
1721 Humboldt	IA,SS	Residential Apartment Units	Dickson Redevelopment LLC
1722 Humboldt	IA	Residential	Dome Development, Ltd.
1375 E 17th Avenue	IA,SS	Residential Condominium	Himelspach, D. (unit 1) Beauprez, J. (units 2, 3, and 4)
1705 Franklin*	IA,SS	Residential Apartment Units	HA Housing LP
1746 Lafayette	IA	Residential	Bakst, E. and R.

IA – Indoor Air SS – Subslab

7.0 SAMPLE ANALYSIS

Groundwater samples were analyzed by the CompuChem Laboratory in Cary, North Carolina for volatile organic compounds (VOCs) by EPA SW846 Method 8260, and for semivolatile organic compounds (SVOCs) by EPA SW846 Method 8270. Subslab soil-gas samples were analyzed using a HAPSITE® field portable GC/MS for VOCs using modified EPA method 8260. The detection limits of the HAPSITE® for VOCs generally range from one ppb to five ppb. Indoor air samples were submitted to the DataChem Laboratory in Salt Lake City, Utah, for low level VOC analyses by Modified EPA Method TO-15 GC/MS Selective Ion Monitoring (SIM). Laboratory data summary sheets (Form 1's) are included in Appendix B.

8.0 ACTION LEVEL

Prior studies by EPA of contaminant situations similar to that observed at this site have indicated appropriate action levels that are protective of human health. This site has characteristics and issues similar to another contaminated groundwater site in EPA Region 8 where residents were affected by vapor intrusion into their homes via the groundwater pathway (EPA 2006). In that case it was determined by EPA that a 10-4 cancer risk-based removal action level (RAL) for PCE at 41 $\mu g/m^3$ of indoor air was appropriate to protect the health of occupants in the homes (EPA 2006). Also, the 41 $\mu g/m^3$ RAL for indoor air was used to calculate a target groundwater PCE concentration of 107 $\mu g/L$ to aid in the identification of potential problem areas via the

groundwater pathway, i.e., if PCE was observed at 107 µg/L within the groundwater, indoor air may be effected and require testing.

The target groundwater concentration was determined by dividing the target indoor air concentration of 41 $\mu g/m^3$ by an appropriate attenuation factor (0.001) and then converting the vapor concentration to an equivalent groundwater concentration, assuming equilibrium between the aqueous and vapor phases at the water table. This calculation is found in Appendix D, page D-5, of the EPA Draft 2002 Subsurface Vapor Intrusion Guidance (EPA 2002). Appendix F-2, discusses groundwater-to-indoor air attenuation factors. The guidance considers 0.001 to be a reasonable upper-bound attenuation factor value.
The calculation is as follows:

$C_{gw}[\mu g/L] = Ctarget,ia[\mu g/m^3]*10\text{-}3m^3/L*1/H*1/\alpha$

Where;
C_{gw} = target groundwater concentration
Ctarget,ia = indoor air target concentration
α = attenuation factor (ratio of indoor air concentration to source vapor concentration)
H = dimensionless Henry's Law Constant at 25C [(mg/L-vapor)/(mg/L-H20)

Table 4 presents indoor air contamination observed at the site and includes Target Screening Levels (TSL) for PCE contamination at three different RALs.

9.0 QUALITY ASSURANCE/QUALITY CONTROL

All sampling operations were performed with dedicated equipment. Equipment decontamination was not required.

Subslab soil-gas analysis was performed by an in-house chemist equipped with a HAPSITE™ GC/MS and was performed on the same day as sample collection, February 14, 2008. Data analysis included a duplicate sample analysis, MD-SS-09 (duplicate of MD-SS-03). All HAPSITE™ GC/MS data, log books, standards preparation, and Quality Assurance/Quality Control (QA/QC) from the site were reviewed by a qualified UOS chemist. No deviations from the Standard Operating Procedures (SOPs) or QA/QC failures were noted.

Indoor air samples were obtained by using SUMMA™ canisters that were prepared by the analyzing laboratory. Samples were shipped to the DataChem Laboratory for analysis on February 15, 2008. Each SUMMA™ canister, regulator, and pressure gauge had unique numeric identifiers that were recorded in the log book and on a respective chain-of-custody (COC) form. The vacuum pressure of each SUMMA™ canister was measured and recorded prior to and after sample collection. The vacuum pressure readings were noted on the COC and the pressures were measured at the laboratories for comparison. If a SUMMA™ canister had no vacuum pressure upon arrival at the laboratory, or if there were discrepancies between the field measurements and laboratory measurements an evaluation was conducted. If there was an indication of a leak or other problem that would compromise the sample, the results were rejected. SUMMA™ canister sample MD-IA-03 was observed to have a zero pressure gauge reading upon retrieval for laboratory analysis. Although the sample was analyzed by the laboratory, results were not used to make any site determinations. MD-IA-03 laboratory results are included in this report for completeness only. Laboratory quality control included a laboratory control spike and a laboratory control spike duplicate analyses, as well as a method blank sample. According to an in-house data review all data are reliable and usable.

Groundwater samples were collected with dedicated sampling equipment to prevent cross-contamination. Trip blank samples accompanied sample shipments submitted to the CompuChem Laboratory on February 14 and February 20, 2008. The trip blanks were prepared with distilled water and were shipped with the samples to demonstrate that VOC cross-contamination did not occur during sample shipment. The trip blanks did not have reportable concentrations of VOCs. Because of very poor water production from the groundwater monitoring wells limited water volume was submitted to the commercial laboratory for analysis. As a result the laboratory was not able to perform a matrix spike analysis for the VOC and SVOC analyses, but was able to perform a laboratory control spike and a laboratory control spike duplicate analyses for laboratory QA/QC purposes. Laboratory blank sample analysis was also performed. According to an in-house data review, all data are reliable and usable.

10.0 OBSERVATIONS

Shallow soil gas samples were obtained from soils immediately beneath slab foundations from structures where a full concrete slab was present within the basement level. Some structures had both partial slabs in the basement and earthen crawl spaces. Soil gas samples were not obtained at those locations due to the leakage/venting that could occur without a full concrete slab to trap potential contamination. Subslab PCE content was significantly greater under the slab foundation at 1700 Humboldt, the suspected contaminant source, compared to all other locations. Sample MD-SS-01 indicated 38,800 $\mu g/m^3$ of PCE while the next

highest amount observed was 820 μg/m^3 in sample MD-SS-03 from the hydraulically downgradient location approximately 250 feet away. Also breakdown products of PCE were not observed within the soil gas except at location MD-SS-03 where TCE was observed at 317 μg/m^3. In contrast, soil-gas sample MD-SS-10 was collected from within a vented sump pump vault (located within the same room as sample MD-SS-01) and indicated significantly less PCE at 39 μg/m^3.

Indoor air observations indicated PCE at one location, MD-IA-01 (the suspected contaminant source area at 1700 Humboldt St.) where 16 μg/m^3 were observed (Table 4). That sample was obtained from a basement room that had an opening in the concrete slab floor to accommodate the sump pump mentioned above. It is likely that soil gas leakage was occurring upward from the subsurface sump pump vault into the room. A permanently-mounted exhaust fan was located in a wall of the room and was installed specifically to exhaust air to the outdoors due to observed PCE contamination during prior investigations. The fan was off during sampling activities. The indoor air action level discussed in Section 8.0 was not observed to be exceeded during these investigations. The observed PCE amount of 16 μg/m^3 is well below the 1x10E-4 cancer risk of 41 μg/m^3.

Groundwater wells were not productive at the site. All groundwater well locations were situated to mimic well locations from previous investigations in an effort to compare like waters. However, the Power Probe® hydraulic coring equipment met formation refusal at a range of 15 to 19 feet bgs in the top of the Denver Formation. Limited water was available for sampling. An auger-type well drilling rig would be capable of drilling and installing groundwater monitoring wells that could penetrate a full length of the shallow unconfined aquifer if deemed appropriate for the investigation. Groundwater analytical data is summarized on Table 6. Groundwater parameters measured at the time of sample collection indicated a uniform source, with the exception of well MD-GW-05. That well indicated a much lower specific conductivity, i.e., 480 micro seimens (μS) versus the typical range of approximately 1,600 μS, which could be a function of the extremely low water production from the well. Laboratory analytical results were similar among the wells sampled, i.e., no alarming variations. PCE did exceed the EPA Maximum Contamination Limit (MCL) of 5 μg//L for drinking water at four of the six wells sampled, although the shallow unconfined aquifer is not used as a potable source.

The ratio of indoor air to subslab PCE observations is included on Table 7. A relatively high indoor air to subslab air PCE ratio may be an indication of solvent or chemical use/storage, recently dry-cleaned items, a leaky slab/open pathway that allows subslab air migration, a tight structure with very low fresh air exchange, or a combination of the above factors.

Low indoor air to subslab air ratios may be an indication of an air-tight slab, a leaky/poorly sealed structure with a high fresh air exchange, a high fresh air exchange from open doors or windows during the sampling event, or a combination of the above factors. If elevated PCE concentrations are in the subslab, indoor air PCE concentrations may increase if gaps or cracks develop in the slab or if the structure is made more air-tight.

In summary, even though groundwater, shallow soil-gas, and indoor air all exhibited varying degrees of PCE contamination, the observed contaminant amounts were well below any EPA action levels that would require remedial activities.

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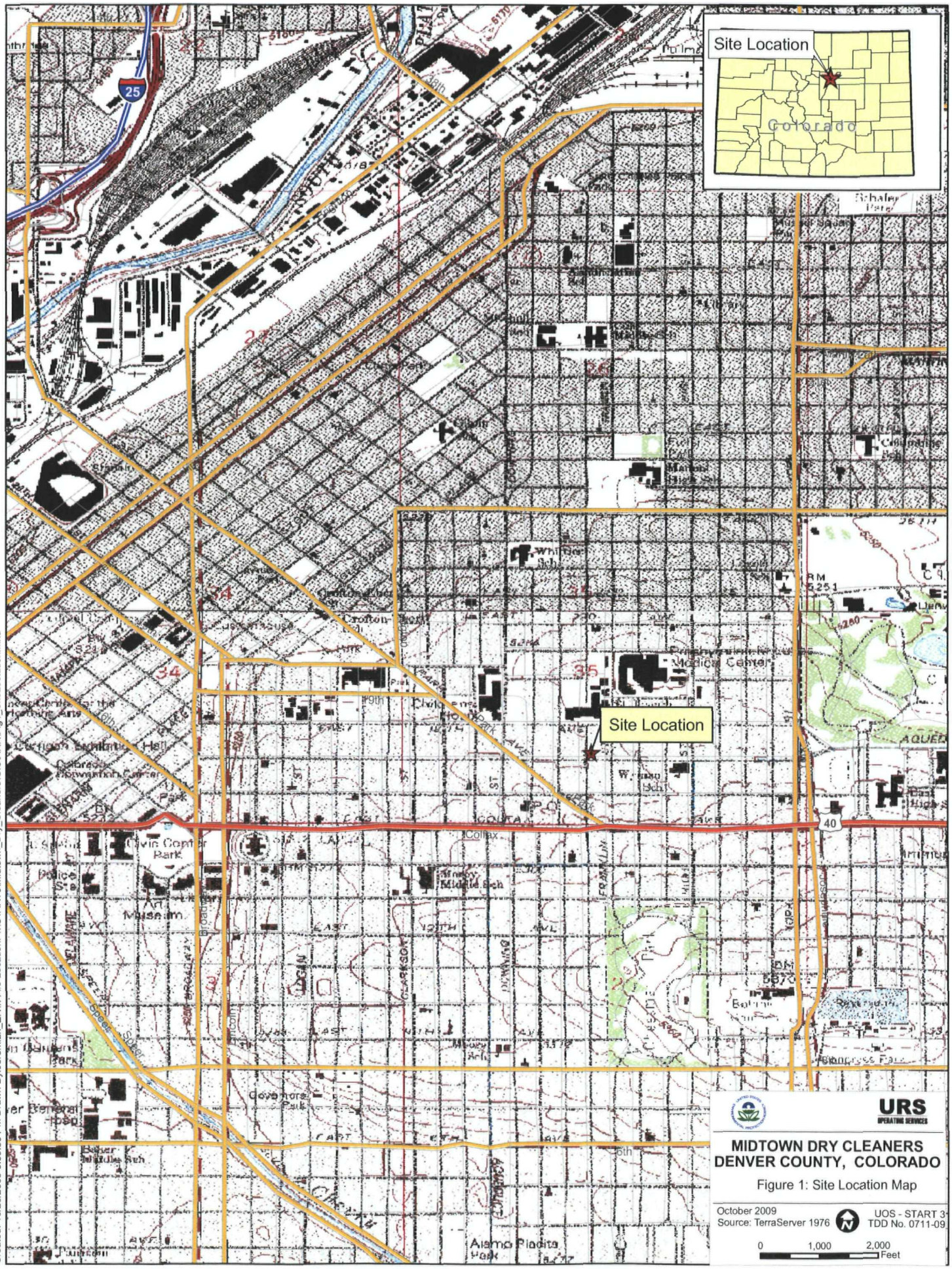


URS OPERATING SERVICES

MIDTOWN DRY CLEANERS
DENVER COUNTY, COLORADO

Figure 1: Site Location Map

October 2009
Source: TerraServer 1976

UOS - START 3
TDD No. 0711-09

0 1,000 2,000 Feet

Created: 10/26/2009 3:09:30 PM Drawn By:Jeremiah_Ervin File Location: T:\START3\Midtown_Dry_Cleaners\GIS\ARR\Fig1_SiteLocation.mxd

Created: 1/28/2008 2:14:37 PM Drawn By:Jeremiah Ervin File Location: T:\START3\Midtown_Dry_Cleaners\GIS\Projects\ARR\Fig3_FinalGWSampling_Loctation.mxd

Created: 1/28/2008 3:09:30 PM Drawn By:Jeremiah Ervin File Location: T:\START3\Midtown_Dry_Cleaners\GIS\Projects\ARR\Fig2_FinalAirSampling_Loctation1.mxd

TABLE 1
Groundwater Sample Collection Data

Sample Number	Analysis	pH	Conductivity (µS/cm)	Temperature (°C)	Sample Depth (Feet)	Comments
MD-GW-01	VOC, SVOC	8	1660	14.1	14	Refusal at 17 feet. Took 1 hour to make water. Purge 2 gallons. Water light brown, no odor. Sample 2/11/08.
MD-GW-02	VOC, SVOC	7.9	1590	16.8	14	Refusal at 16 feet. Dry 2/13/08. Purge 0.5 gallon - dry 2/19/08. Sample 2/20/08, no purge, went dry.
MD-GW-03	VOC, SVOC	7.6	1630	14.2	14	Total depth 18 feet. Purge 3 gallons, slightly cloudy, brown. Static 12.6 feet. Sample 2/12/08.
MD-GW-04	VOC	7.1	1260	15	14.2	Refusal at 15.3 feet. Dry 2/12/08. Purge 1.1 gallon-dry 2/19/08. Sample 2/20/08, no purge, went dry.
MD-GW-05	VOC, SVOC	8.2	480	10	17	Total depth 17 feet. Purge 1 gallon-dry. Purge additional gallon-dry, recharge, then sample 2/13/08.
MD-GW-06	n/a	n/a	n/a	n/a	n/a	Refusal at 15 feet. Dry 2/12/08. Dry 2/13/08. Dry 2/15/08. Dry 2/19/08. No sample.
MD-GW-07	n/a	n/a	n/a	n/a	n/a	Refusal at 15.5 feet. Dry 2/12/08. Dry 2/13/08. Dry 2/15/08. Dry 2/19/08. No sample.
MD-GW-08	VOC, SVOC	7.7	1670	15.7	20	Total depth 20 feet. Dry 2/12/08. Static to 13.75 feet 2/13/08. Sample 2/13/08.
MD-GW-09	n/a	n/a	n/a	n/a	n/a	Refusal at 19 feet. Dry 2/12/08. Dry 2/13/08. Dry 2/15/08. Dry 2/19/08. No sample.
Trip Blank	VOC	n/a	n/a	n/a	n/a	Laboratory grade water prepared at Operations Center.
Trip Blank 2	VOC	n/a	n/a	n/a	n/a	Laboratory grade water prepared at Operations Center.

n/a No data obtained.
All wells were plugged and abandoned with sand/gravel placed into the aquifer zone with a bentonite seal placed to the ground surface. All PVC casing was removed.
VOC Volatile Organic Compounds.
SVOC Semivolatile Organic Compounds.

TABLE 2
Indoor Air Sample Collection Data

Sample Number	Address	Sample Start Time (2-13-08)	Initial SUMMA™ Vacuum*	Sample Stop Time (2-14-08)	Final SUMMA™ Vacuum*	Analysis	Comments
MD-IA-01	1700 Humboldt	9:55	25	8:18	1	TO-15 for VOC	Basement window exhaust fan is off during sampling interval.
MD-IA-02	1705 Franklin	10:56	25	8:58	1.5	TO-15 for VOC	
MD-IA-03	1721 Humboldt	11:48	24	10:12	0	TO-15 for VOC	Not analyzed; SUMMA™ canister regulator indicated 0 air pressure upon retrieval (compromised sample).
MD-IA-04	1712 Humboldt	12:20	25	11:00	1	TO-15 for VOC	
MD-IA-05	1714 Humboldt	12:50	25	11:21	1.75	TO-15 for VOC	
MD-IA-06	1722 Humboldt	13:05	25	11:36	1.25	TO-15 for VOC	
MD-IA-07	1375 17th Ave.	15:35	25	13:37	2	TO-15 for VOC	
MD-IA-08	1746 Lafayette	19:30	24	17:25	3	TO-15 for VOC	Radon exhaust system observed to be operating in basement at time of SUMMA™ canister retrieval.
MD-IA-09	1721 Humboldt	11:48	25	10:12	1.75	TO-15 for VOC	Intended duplicate of MD-IA-03. Analyzed as primary sample.

* Inches of mercury vacuum.
VOC - Volatile Organic Compounds.

TABLE 3
Subslab Soil Gas Sample Collection Data

Sample Number	Address	Time of Sample Collection (2-14-08)	Analysis	Comments
MD-SS-01	1700 Humboldt	8:31	VOC	Soil gas sample collected into Tedlar® bag 2/14/08.
MD-SS-02	1705 Franklin	9:00	VOC	Soil gas sample collected into Tedlar® bag 2/14/08.
MD-SS-03	1721 Humboldt	10:17	VOC	Soil gas sample collected into Tedlar® bag 2/14/08.
MD-SS-04	1712 Humboldt	no sample		Partial basement floor with exposed soil crawl space; no sub-slab sample obtained.
MD-SS-05	1714 Humboldt	11:25	VOC	Soil gas sample collected into Tedlar® bag 2/14/08.
MD-SS-06	1722 Humboldt	no sample		Partial basement floor with exposed soil crawl space; no subslab sample obtained.
MD-SS-07	1375 17th Avenue	13:42	VOC	Soil gas sample collected into Tedlar® bag 2/14/08.
MD-SS-08	1746 Lafayette	no sample		Partial basement floor with exposed soil crawl space; no subslab sample obtained.
MD-SS-09	1721 Humboldt	10:21	VOC	Duplicate of MD-SS-03. Photo 1.
MD-SS-10	1700 Humboldt	10:49	VOC	From sump pump vault beneath floor level.

VOC - Volatile Organic Compounds analysis by use of a in-house (START) Hapsite® GC/MS.

TABLE 4
Indoor Air Contaminant Analytical Results Summary

Sample Location		Sample Date	Sample Number	Tetrachloroethene (PCE) ($\mu g/m^3$)	Trichloroethene (TCE) ($\mu g/m^3$)	Benzene ($\mu g/m^3$)	Toluene ($\mu g/m^3$)	Xylene ($\mu g/m^3$)
1700 Humboldt	Basement	2-14-08	MDIA01	16	1.4 U	1.3 J	3.2	1.6 J
1705 Franklin	Basement	2-14-08	MDIA02	1.8 U	1.4 U	1.9	3.9	1.9 J
1721 Humboldt	Basement	2-14-08	MDIA03*	1.8 U	1.4 U	1 J	4.4	1.6 J
1712 Humboldt	Basement	2-14-08	MDIA04	1.8 U	1.4 U	1.1 J	7.1	1.4 J
1714 Humboldt	Basement	2-14-08	MDIA05	1.8 U	1.4 U	1 J	10	4.2
1722 Humboldt	Basement	2-14-08	MDIA06	2 J	1.4 U	1.1 J	2.7	1.1 U
1375 E 17th Ave.	Basement	2-14-08	MDIA07	1.8 U	1.4 U	1 J	9.7	27.6
1746 Lafayette	Basement	2-14-08	MDIA08	1.8 J	1.4 U	1.1 J	5.6	1.1 U
1721 Humboldt	Basement	2-14-08	MDIA09 (replicate of 03)	1.8 U	1.4 U	1 J	3.9	1.1 U
Target Screening Levels (TSL)		Cancer Risk 1x10-4		41 $\mu g/m^3$ RAL				
		Cancer Risk 1x10-5		4.1 $\mu g/m^3$ RAL				
		Cancer Risk 1x10-6		0.41 $\mu g/m^3$ RAL				

* Pressure regulator on SUMMA™ canister = 0 inches of mercury upon final retrieval. Analytical data therefore suspect and not used for site calculations/observations.
$\mu g/m^3$ Micrograms per cubic meter.
RAL Removal Action Level.
U Non detect by the analyzing instrument. Detection limit indicated.
J The associated numerical value is an estimated quantity and is the approximate concentration of the analyte in the sample.

TABLE 5
Shallow Soil Gas (Subslab) Contaminant Analytical Results Summary

Sample Location		Sample Number	Tetrachloroethene (PCE)		Trichloroethene (TCE)	
			(ppbv)	($\mu g/m^3$)	(ppbv)	($\mu g/m^3$)
1700 Humboldt	Subslab	MDSS01	5,734	38,800	10 U	na
1705 Franklin	Subslab	MDSS02	10 U	na	10 U	na
1721 Humboldt	Subslab	MDSS03	59	820.8	121	317.1
1712 Humboldt	No Subslab^	MDSS04	no sample	no sample	no sample	no sample
1714 Humboldt	Subslab	MDSS05	24	162.8	10 U	na
1722 Humboldt	No Subslab^	MDSS06	no sample	no sample	no sample	no sample
1375 E 17th Avenue	Subslab	MDSS07	40	271.3	10 U	na
1746 Lafayette	No Subslab^	MDSS08	no sample	no sample	no sample	no sample
1721 Humboldt	Subslab	MDSS09 (replicate of 03)	59	820.8	121	317.1
1700 Humboldt	Sump pump vault	MDSS10	6	39.3	10 U	na

^ House had a crawl space - no all-inclusive slab floor.
ppbv Parts per billion volume.
$\mu g/m^3$ Micrograms per cubic meter.
U Non detect by the analyzing instrument. Detection limit indicated.
Na No data calculated.

TABLE 6
Groundwater Contaminant Analytical Results Summary

Sample Location		Sample Number	Tetrachloroethene (PCE) (µg/L)	Trichloroethene (TCE) (µg/L)	Benzene (µg/L)
1550 17th Ave	Planter area cut into sidewalk	MDGW01	26	5 U	5 U
1700 17th Ave	Alley/sidewalk seam	MDGW02	8.6	5 U	5 U
	Grass ROW at front door	MDGW03	26	5 U	5 U
	Grass lawn near west side door	MDGW04**	5 U	5 U	5 U
	Parking area behind restaurant	MDGW05	5 U	5 U	5 U
1722 Humboldt (alley area)	Behind garage in alley	MDGW06	no sample	no sample	no sample
1750 Humboldt	Planter island in parking lot	MDGW07	no sample	no sample	no sample
1331 17th Ave	Grass ROW adjacent to alley entrance	MDGW08	21	5 U	5 U
1760 Lafayette	Behind 1760 Laf. on east side of alley	MDGW09	no sample	no sample	no sample
1700 17th Ave	Grass lawn near west side door	MDGW10 (duplicate of 04)	no sample	no sample	no sample

** Well MDGW04 also contained PCE break down products of cis-1,2-dichloroethene (DCE) = 2,300 µg/L, and vinyl chloride = 2.1 µg/L.
na Not applicable.
U Non detect by the analyzing instrument. Detection limit indicated.
µg/L Micrograms per liter.

TABLE 7
Indoor Air:Subslab PCE Ratio

Sample Address	Indoor Air PCE ($\mu g/m^3$)	Subslab PCE ($\mu g/m^3$)	Groundwater PCE ($\mu g/L$)	Indoor Air/Subslab PCE Ratio	Comments
1700 Humboldt	16	38,800	26	4.12E-04	
1705 Franklin	1.8 U	na	8.6	n/a	
1721 Humboldt	1.8 U	820.8	26	n/a	
1712 Humboldt	1.8 U	no sample	5 U	n/a	
1714 Humboldt	1.8 U	162.8	5 U	n/a	
1722 Humboldt	2 J	no sample	no sample	n/a	
1375 E 17th Avenue	1.8 U	271.3	no sample	n/a	
1746 Lafayette	1.8 J	no sample	21	n/a	
1700 Humboldt	16	39.3	no sample	0.41	Sample from sump pump vault

n/a not applicable.
PCE Tetrachloroethene.
$\mu g/L$ Micrograms per liter.
$\mu g/m^3$ Micrograms per cubic meter.
U Non detect by the analyzing instrument. Detection limit indicated.

APPENDIX A

Photo Documentation

Photographer: Cordel Schmidt Date: 02/11/2008 Time: 1550

PHOTO 1

START testing groundwater parameters prior to sampling. Well MDGW01

Photographer: Cordel Schmidt Date: 02/11/2008 Time: 1551

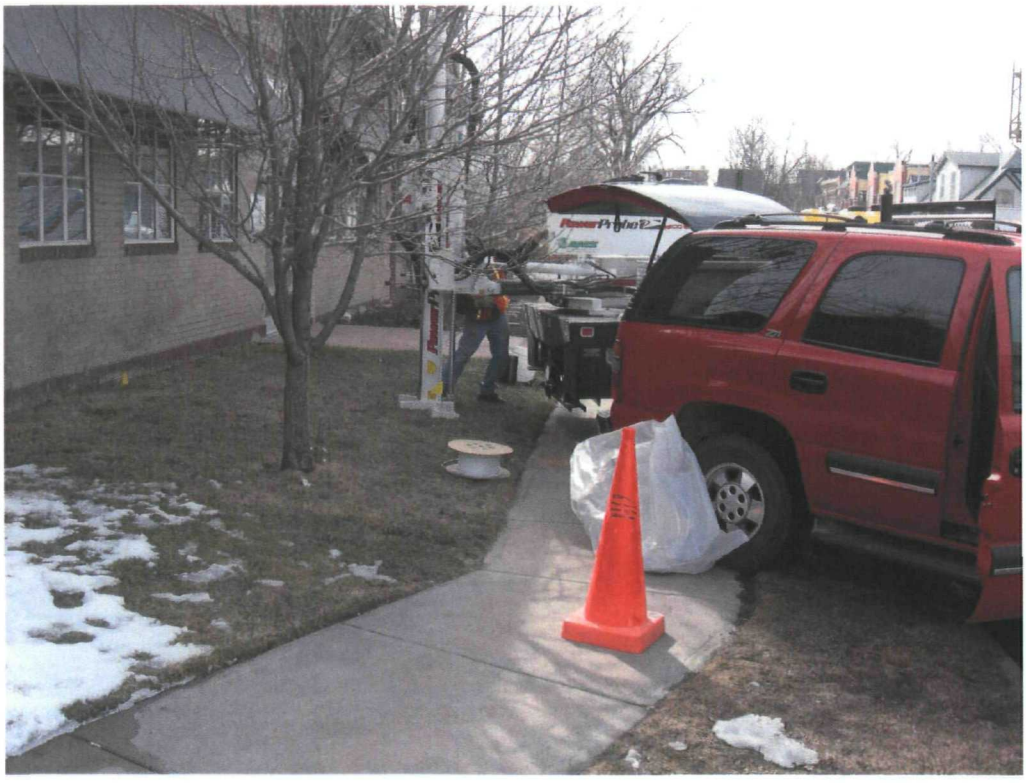
PHOTO 2

Well purging activities at well MDGW01.

Photographer: Cordel Schmidt Date: 02/11/2008 Time: 1620

PHOTO 3

Plugging well borehole with bentonite. Well MDGW01.



Photographer: Cordel Schmidt Date: 02/12/2008 Time: 1040

PHOTO 4

PowerProbe® setup at well MDGW04 to obtain a groundwater sample.

Photographer: Cordel Schmidt Date: 02/12/2008 Time: 1040

PHOTO 5

PowerProbe® setup at well MDGW04 to obtain a groundwater sample.

Photographer: Cordel Schmidt Date: 02/12/2008 Time: 1200

PHOTO 6

PowerProbe® setup at well MDGW09 to obtain a groundwater sample. St. Josephs hospital is in the background.

Photographer: Cordel Schmidt Date: 02/12/2008 Time: 1205

PHOTO 7

PowerProbe® setup at well MDGW09 to obtain a groundwater sample.

Photographer: Cordel Schmidt Date: 02/12/2008 Time: 1422

PHOTO 8

PowerProbe® setup at well MDGW08 to obtain a groundwater sample.

Photographer: Cordel Schmidt Date: 02/12/2008 Time: 1438

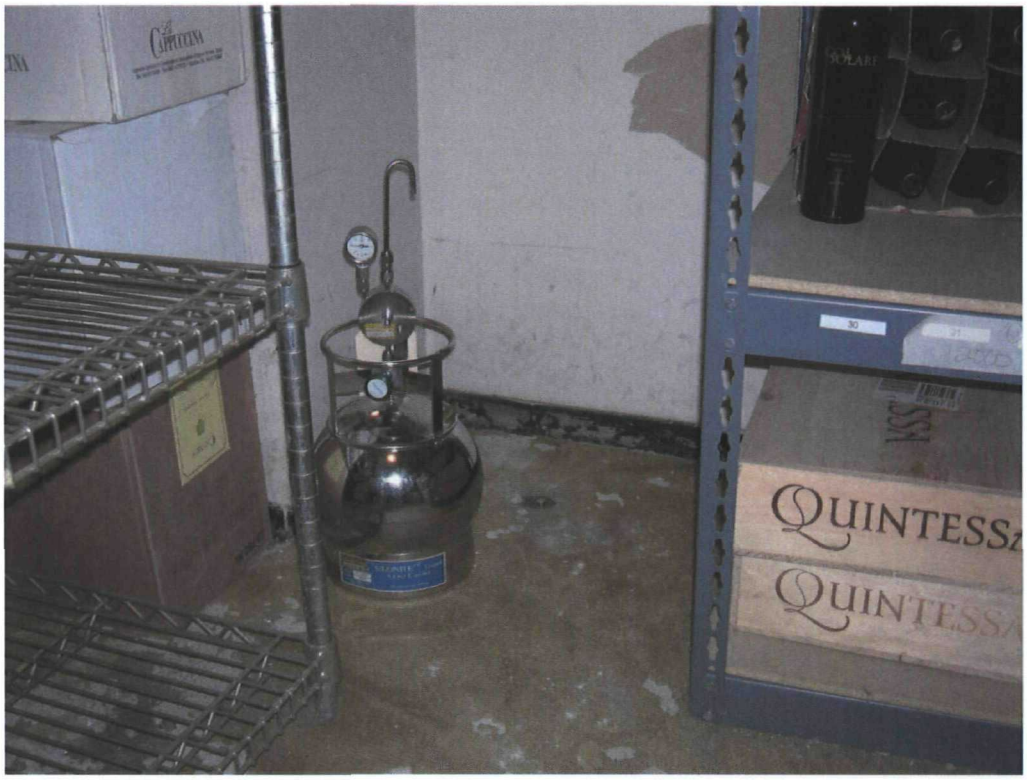
PHOTO 9

PowerProbe® setup at well MDGW07 to obtain a groundwater sample.

Photographer: Cordel Schmidt Date: 02/12/2008 Time: 1522

PHOTO 10

PowerProbe® setup at well MDGW06 to obtain a groundwater sample.



Photographer: Cordel Schmidt Date: 02/13/2008 Time: 0955

PHOTO 11

Sample locations MDIA01 (SUMMA™ canister) and MDSS01 (subslab sample port to the right of the SUMMA™ canister) at 1700 Humboldt.

Photographer: Cordel Schmidt Date: 02/13/2008 Time: 0956

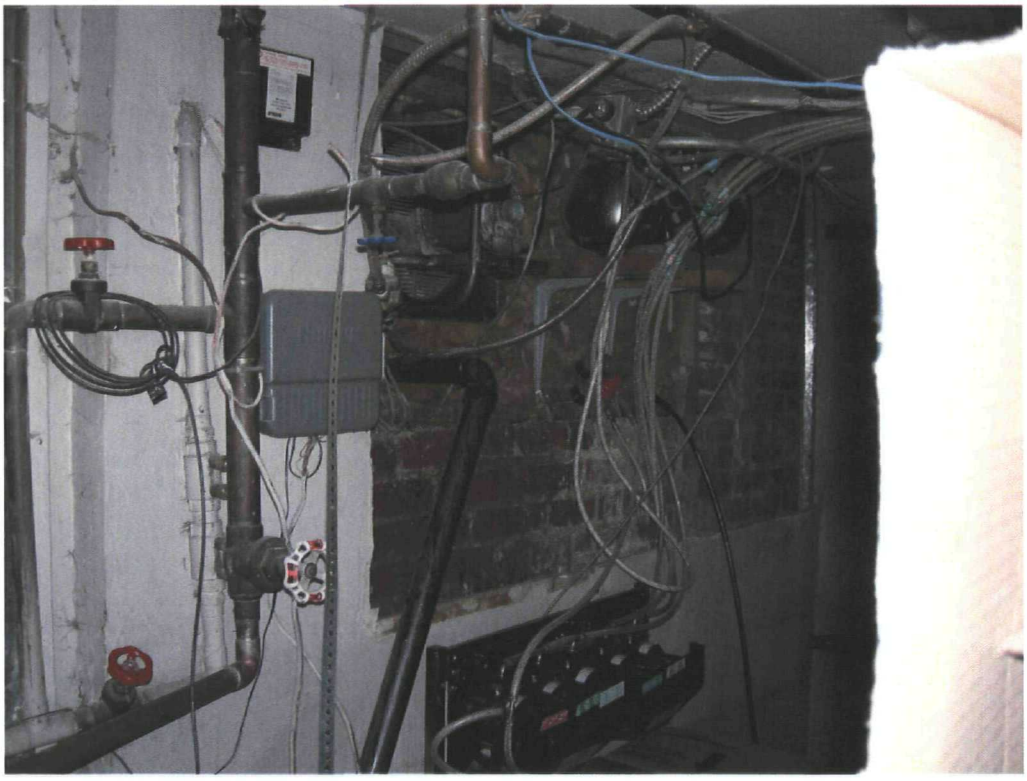
PHOTO 12

General view of storage room at 1700 Humboldt.

Photographer: Cordel Schmidt Date: 02/13/2008 Time: 0956

PHOTO 13

Sump pump in storage room at 1700 Humboldt; location of sample MDSS10.



Photographer: Cordel Schmidt Date: 02/13/2008 Time: 0956

PHOTO 14

Storage room exhaust fan mounted in the upper left corner of the plywood; 1700 Humboldt.

Photographer: Cordel Schmidt Date: 02/13/2008 Time: 1056

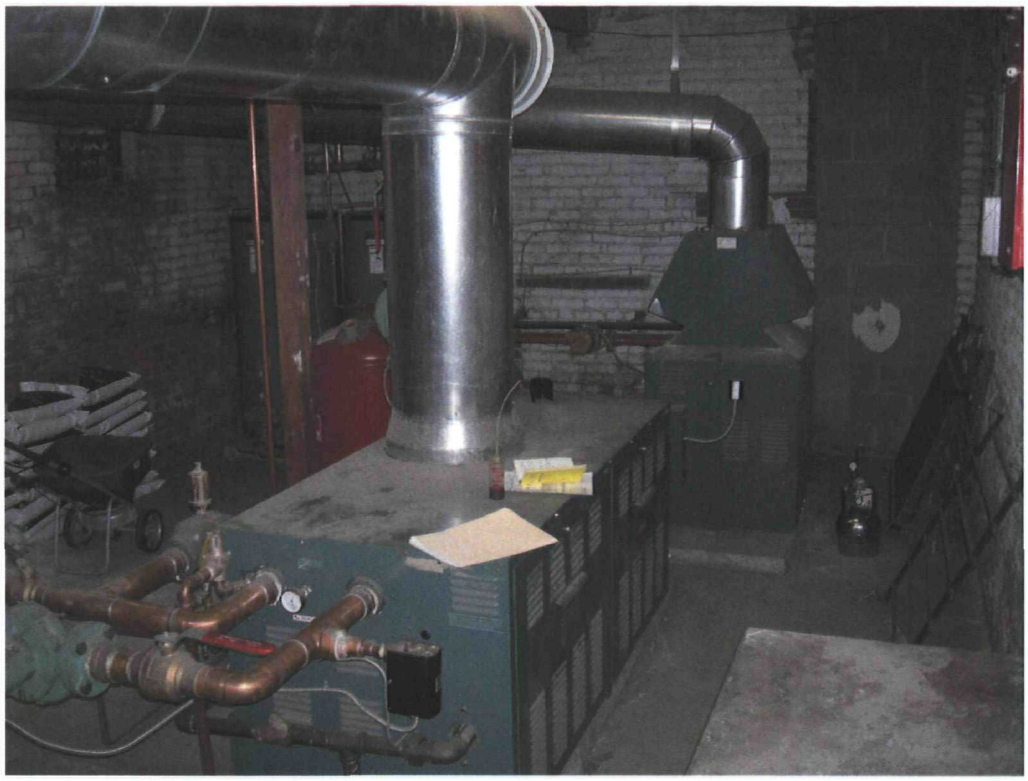
PHOTO 15

Subslab sample port in the floor of the boiler room at 1705 Franklin. Sample location MDSS02.

Photographer: Cordel Schmidt Date: 02/13/2008 Time: 1056

PHOTO 16

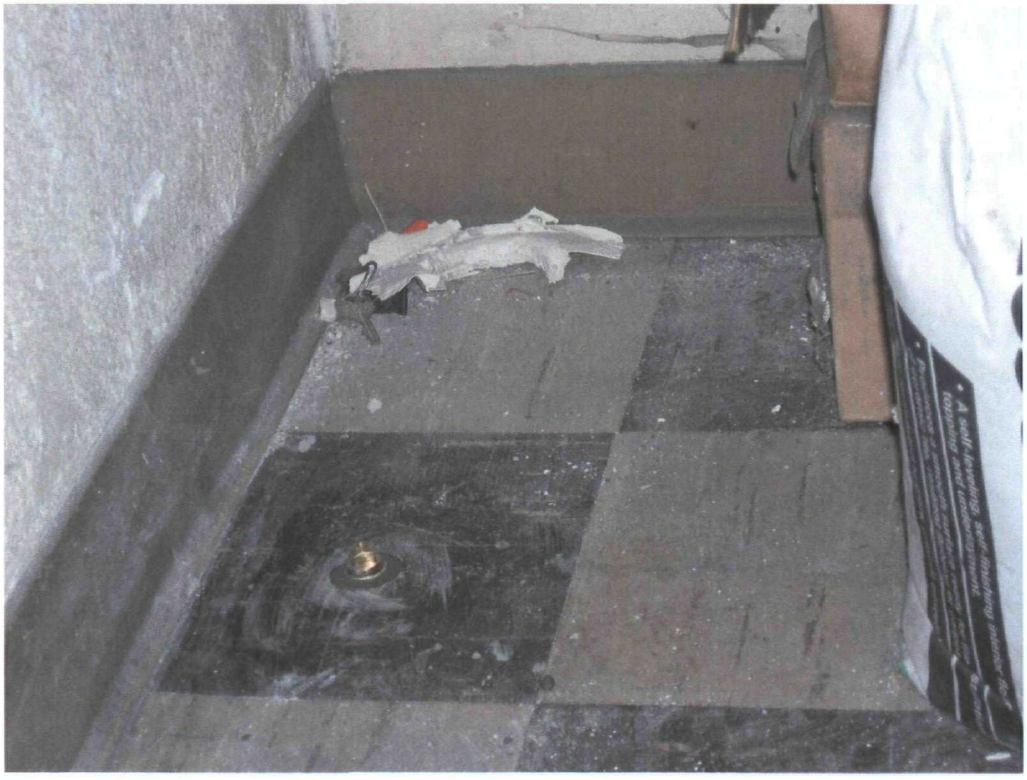
SUMMA™ canister (sample MDIA02) and subslab sample port in boiler room of 1705 Franklin.



Photographer: Cordel Schmidt Date: 02/13/2008 Time: 1056

PHOTO 17

General view of the boiler room at 1705 Franklin.



Photographer: Cordel Schmidt Date: 02/13/2008 Time: 1105

PHOTO 18

Subslab sample port in the floor of the utility room at 1721 Humboldt. Sample location for MDSS03 and MDSS09.

Photographer: Cordel Schmidt Date: 02/13/2008 Time: 1105

PHOTO 19

SUMMA™ canisters in the utility room of 1721 Humboldt. Sample locations MDIA03 and MDIA09.

Photographer: Cordel Schmidt Date: 02/13/2008 Time: 1105

PHOTO 20

General view of the utility room at 1721 Humboldt. Samplers are out of the view in lower left.

Photographer: Cordel Schmidt Date: 02/13/2008 Time: 1220

PHOTO 21

SUMMA™ canister placed in the crawl space of the basement at 1712 Humboldt. Sample location MDIA04.

Photographer: Cordel Schmidt Date: 02/13/2008 Time: 1220

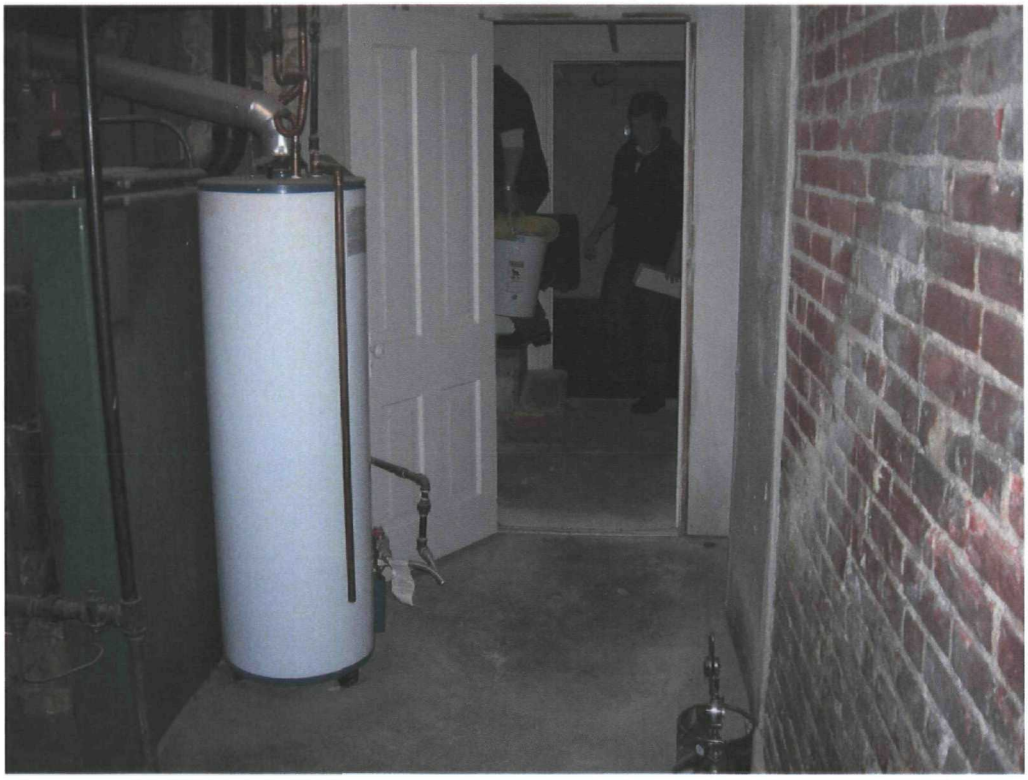
PHOTO 22

General basement at 1712 Humboldt.

Photographer: Cordel Schmidt Date: 02/13/2008 Time: 1250

PHOTO 23

Subslab sample port in the floor to the right of the doorway in the basement at 1714 Humboldt. Sample location MDSS05.



Photographer: Cordel Schmidt Date: 02/13/2008 Time: 1250

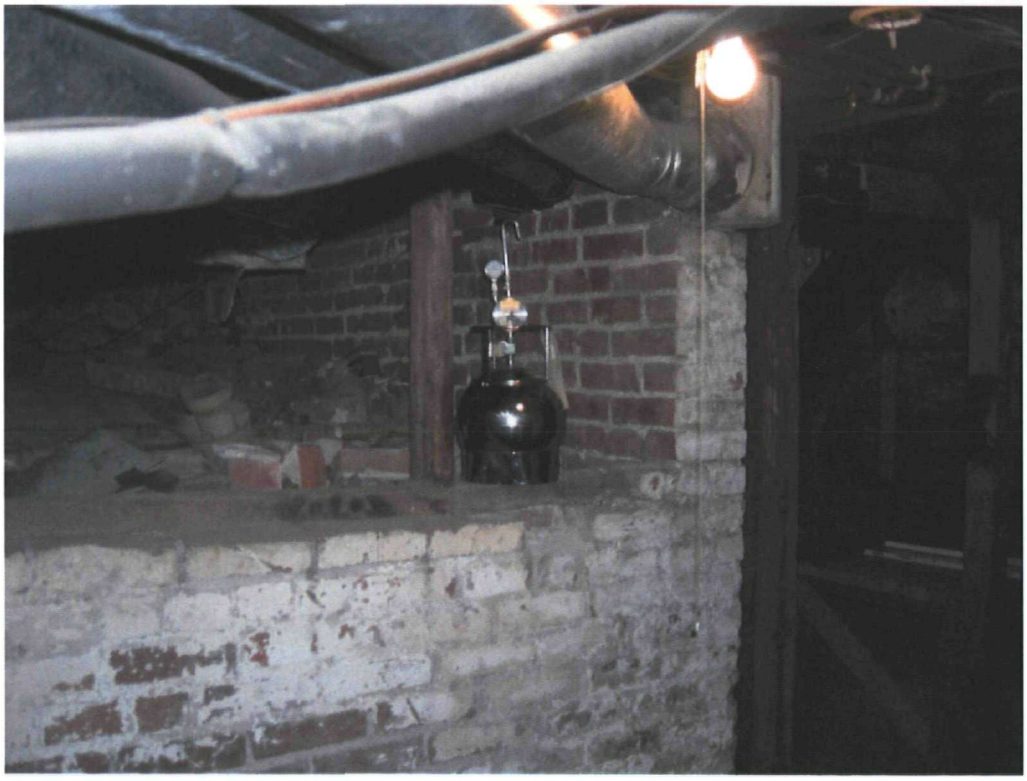
PHOTO 24

Subslab sample port in the floor to the right of the doorway, SUMMA™ canister in the foreground, sample location MDIA05. 1714 Humboldt.

Photographer: Cordel Schmidt Date: 02/13/2008 Time: 1250

PHOTO 25

General view of the basement at 1714 Humboldt.



Photographer: Cordel Schmidt Date: 02/13/2008 Time: 1305

PHOTO 26

SUMMA™ canister placed in the crawl space of the basement at 1722 Humboldt. Sample location MDIA06.

Photographer: Cordel Schmidt Date: 02/13/2008 Time: 1305

PHOTO 27

General view of the basement at 1722 Humboldt.

Photographer: Cordel Schmidt Date: 02/13/2008 Time: 1535

PHOTO 28

Subslab sample port (sample MDSS07) to the left of the SUMMA™ canister (sample MDIA07) in the basement storage space #1 at 1375 E. 17th Street.

Photographer: Cordel Schmidt Date: 02/13/2008 Time: 1535

PHOTO 29

General view of storage unit #1 at 1375 E. 17th Street.

Photographer: Cordel Schmidt Date: 02/13/2008 Time: 1930

PHOTO 30

SUMMA™ canister placed in the crawl space of the basement at 1746 Lafayette. Sample location MDIA08.

Photographer: Cordel Schmidt Date: 02/13/2008 Time: 1930

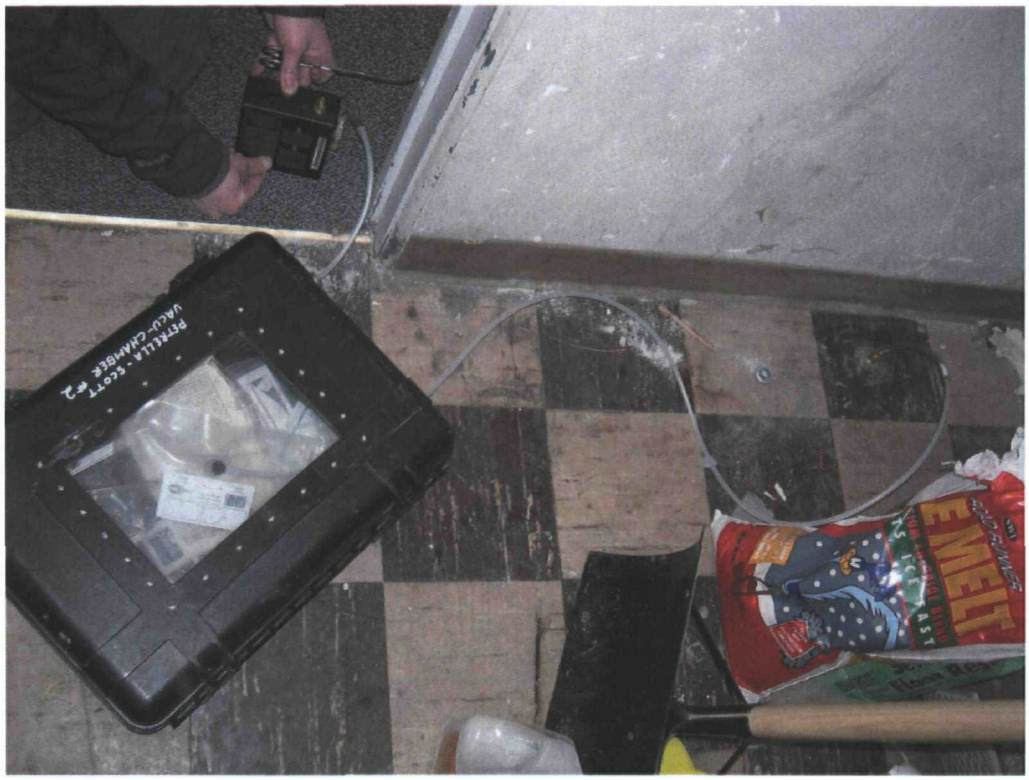
PHOTO 31

General view of the basement space at 1746 Lafayette.

Photographer: Cordel Schmidt Date: 02/14/2008 Time: 0900

PHOTO 32

START obtaining subslab sample MDSS02 at 1705 Franklin.



Photographer: Cordel Schmidt Date: 02/14/2008 Time: 1021

PHOTO 33

START obtaining subslab samples MDSS03 and MDSS09 at 1721 Humboldt.

Photographer: Cordel Schmidt Date: 02/14/2008 Time: 1230

PHOTO 34

Plugging well MDGW04 with bentonite.

APPENDIX B

Laboratory Analytical Data Summary Sheets (Form 1's)

URS Operating Services, Inc.
START, Denver, CO
PO #OS-08-P-9774
EPA Contract Number: EP-W-05-050

CHAIN OF CUSTODY RECORD
TDD #: TO-0711-09
Contact Name: Cordel Schmidt
Contact Phone: 303-291-8218

No: TO-0711-09-02/13/08-0001
AirbillNo: 862327481867
Lab: CompuChem
Lab Phone: 9193794100

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	MDGW01	MDGW01	VOCs	Ground Water	2/11/2008	3	40 ml VOA	HCl	
	MDGW01	MDGW01	Semivolatiles (SVOAs)	Ground Water	2/11/2008	2	1 liter amber	4 C	
	MDGW03	MDGW03	VOCs	Ground Water	2/12/2008	3	40 ml VOA	HCl	
	MDGW03	MDGW03	Semivolatiles (SVOAs)	Ground Water	2/12/2008	2	1 liter amber	4 C	
	MDGW05	MDGW05	VOCs	Ground Water	2/13/2008	3	40 ml VOA	HCl	
	MDGW05	MDGW05	Semivolatiles (SVOAs)	Ground Water	2/13/2008	2	1 liter amber	4 C	
	MDGW08	MDGW08	VOCs	Ground Water	2/13/2008	3	40 ml VOA	HCl	
	MDGW08	MDGW08	Semivolatiles (SVOAs)	Ground Water	2/13/2008	2	1 liter amber	4 C	
	trip blank	trip blank	VOCs	Water		3	40 ml VOA	HCl	

Special Instructions: Forward EDD, Xcel CSV.
36548526
Standard turn

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[illegible]	2/14/08	FEDEX								

URS Operating Services, Inc.
START, Denver, CO
PO #OS-08-P-9774
EPA Contract Number: EP-W-05-050

CHAIN OF CUSTODY RECORD
TDD #: TO-0711-09
Contact Name: Cordel Schmidt
Contact Phone: 303-291-8218

No: TO-0711-09-02/20/08-0003
AirbillNo: 862327481981
Lab: CompuChem
Lab Phone: 9193794100

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	MDGW02	MDGW02	VOCs	Ground Water	2/20/2008	2	40 ml VOA	HCl	
	MDGW02	MDGW02	Semivolatiles (SVOAs)	Ground Water	2/20/2008	1	1 liter amber	4 C	
	MDGW04	MDGW04	VOCs	Ground Water	2/20/2008	2	40 ml VOA	HCl	
	Trip Blank 2	Trip Blank 2	VOCs	Water	2/20/2008	3	40 ml VOA	HCl	

Special Instructions: Forward EDD. Xcel CSV
36548526
Standard turn

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time
	Cordel Schmidt	2/20/08	FEDEX	2/20/08	1700

Items/Reason	Relinquished By	Date	Received by	Date	Time

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW01

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472101

Sample wt/vol: 5 (g/ml) ML Lab File ID: 1472101A59

Level: (low/med) LOW Date Received: 02/15/08

% Moisture: not dec. _____ Date Analyzed: 02/15/08

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-38-3	m,p-Xylene (part of total)	10	U
95-47-6	o-Xylene (part of total)	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
PCE 127-18-4	Tetrachloroethene	26	
591-78-6	2-hexanone	13	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW01

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472101

Sample wt/vol: 5 (g/ml) ML Lab File ID: 1472101A59

Level: (low/med) LOW Date Received: 02/15/08

% Moisture: not dec. _____ Date Analyzed: 02/15/08

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW02

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472106

Sample wt/vol: 5 (g/ml) ML Lab File ID: 1472106A59

Level: (low/med) LOW Date Received: 02/21/08

% Moisture: not dec. _____ Date Analyzed: 02/25/08

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-38-3	m,p-Xylene (part of total)	10	U
95-47-6	o-Xylene (part of total)	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	J
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	8.6	
591-78-6	2-hexanone	13	U

DCE (BREAKDOWN) ③

② —

PCE ①

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW02

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472106

Sample wt/vol: 5 (g/ml) ML Lab File ID: 1472106A59

Level: (low/med) LOW Date Received: 02/21/08

% Moisture: not dec. _____ Date Analyzed: 02/25/08

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW03

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472102

Sample wt/vol: 5 (g/ml) ML Lab File ID: 1472102A59

Level: (low/med) LOW Date Received: 02/15/08

% Moisture: not dec. _____ Date Analyzed: 02/15/08

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-38-3	m,p-Xylene (part of total)	10	U
95-47-6	o-Xylene (part of total)	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
PCE 127-18-4	Tetrachloroethene	26	
591-78-6	2-hexanone	13	U

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CLIENT SAMPLE NO.

MDGW03

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472102

Sample wt/vol: 5 (g/ml) ML Lab File ID: 1472102A59

Level: (low/med) LOW Date Received: 02/15/08

% Moisture: not dec. _____ Date Analyzed: 02/15/08

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW04

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472107

Sample wt/vol: 5 (g/ml) ML Lab File ID: 1472107A59

Level: (low/med) LOW Date Received: 02/21/08

% Moisture: not dec. _____ Date Analyzed: 02/25/08

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-38-3	m,p-Xylene (part of total)	10	U
95-47-6	o-Xylene (part of total)	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	2.1	J
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	7.7	
75-15-0	Carbon disulfide	1.9	J
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	36	
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	1700	E 2300 D
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW04

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472107

Sample wt/vol: 5 (g/ml) ML Lab File ID: 1472107A59

Level: (low/med) LOW Date Received: 02/21/08

% Moisture: not dec. _____ Date Analyzed: 02/25/08

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	16	
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW04DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472107

Sample wt/vol: 5 (g/ml) ML Lab File ID: 1472107DA59

Level: (low/med) LOW Date Received: 02/21/08

% Moisture: not dec. _____ Date Analyzed: 02/25/08

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 12.5

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-38-3	m,p-Xylene (part of total)	130	U
95-47-6	o-Xylene (part of total)	63	U
75-71-8	Dichlorodifluoromethane	63	U
74-87-3	Chloromethane	63	U
75-01-4	Vinyl Chloride	63	U
74-83-9	Bromomethane	63	U
75-00-3	Chloroethane	63	U
75-69-4	Trichlorofluoromethane	63	U
75-35-4	1,1-Dichloroethene	63	U
75-15-0	Carbon disulfide	63	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	63	U
67-64-1	Acetone	160	U
75-09-2	Methylene Chloride	63	U
156-60-5	trans-1,2-Dichloroethene	63	U
1634-04-4	Methyl-tert-butyl ether	63	U
75-34-3	1,1-Dichloroethane	63	U
156-59-2	cis-1,2-Dichloroethene	2300	D
78-93-3	2-butanone	160	U
67-66-3	Chloroform	63	U
71-55-6	1,1,1-Trichloroethane	63	U
56-23-5	Carbon Tetrachloride	63	U
71-43-2	Benzene	63	U
107-06-2	1,2-Dichloroethane	63	U
79-01-6	Trichloroethene	63	U
78-87-5	1,2-Dichloropropane	63	U
75-27-4	Bromodichloromethane	63	U
10061-01-5	cis-1,3-Dichloropropene	63	U
108-10-1	4-Methyl-2-pentanone	160	U
108-88-3	Toluene	63	U
10061-02-6	trans-1,3-Dichloropropene	63	U
79-00-5	1,1,2-Trichloroethane	63	U
127-18-4	Tetrachloroethene	63	U
591-78-6	2-hexanone	160	U

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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW04DL

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472107

Sample wt/vol: 5 (g/ml) ML Lab File ID: 1472107DA59

Level: (low/med) LOW Date Received: 02/21/08

% Moisture: not dec. _____ Date Analyzed: 02/25/08

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 12.5

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	63	U
106-93-4	1,2-Dibromoethane	63	U
108-90-7	Chlorobenzene	63	U
100-41-4	Ethylbenzene	63	U
100-42-5	Styrene	63	U
75-25-2	Bromoform	63	U
98-82-8	Isopropyl Benzene	31	DJ
79-34-5	1,1,2,2-Tetrachloroethane	63	U
541-73-1	1,3-Dichlorobenzene	63	U
106-46-7	1,4-Dichlorobenzene	63	U
95-50-1	1,2-Dichlorobenzene	63	U
96-12-8	1,2-Dibromo-3-Chloropropane	63	U
120-82-1	1,2,4-Trichlorobenzene	63	U
1330-20-7	Xylene (total)	63	U
79-20-9	Methyl acetate	63	U
110-82-7	Cyclohexane	63	U
108-87-2	Methylcyclohexane	63	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW05

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472103

Sample wt/vol: 5 (g/ml) ML Lab File ID: 1472103A59

Level: (low/med) LOW Date Received: 02/15/08

% Moisture: not dec. _____ Date Analyzed: 02/15/08

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-38-3	m,p-Xylene (part of total)	10	U
95-47-6	o-Xylene (part of total)	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	20	
75-09-2	Methylene Chloride	0.99	J
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.9	
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U

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CLIENT SAMPLE NO.

MDGW05

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472103

Sample wt/vol: 5 (g/ml) ML Lab File ID: 1472103A59

Level: (low/med) LOW Date Received: 02/15/08

% Moisture: not dec. _____ Date Analyzed: 02/15/08

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	1.1	J
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW08

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472104

Sample wt/vol: 5 (g/ml) ML Lab File ID: 1472104A59

Level: (low/med) LOW Date Received: 02/15/08

% Moisture: not dec. _____ Date Analyzed: 02/15/08

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-38-3	m,p-Xylene (part of total)	10	U
95-47-6	o-Xylene (part of total)	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
PCE - 127-18-4	Tetrachloroethene	21	
591-78-6	2-hexanone	13	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW08

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472104

Sample wt/vol: 5 (g/ml) ML Lab File ID: 1472104A59

Level: (low/med) LOW Date Received: 02/15/08

% Moisture: not dec. _____ Date Analyzed: 02/15/08

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472105

Sample wt/vol: 5 (g/ml) ML Lab File ID: 1472105A59

Level: (low/med) LOW Date Received: 02/15/08

% Moisture: not dec. _____ Date Analyzed: 02/15/08

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-38-3	m,p-Xylene (part of total)	10	U
95-47-6	o-Xylene (part of total)	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	5.0	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472105

Sample wt/vol: 5 (g/ml) ML Lab File ID: 1472105A59

Level: (low/med) LOW Date Received: 02/15/08

% Moisture: not dec. _____ Date Analyzed: 02/15/08

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK 2

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472108

Sample wt/vol: 5 (g/ml) ML Lab File ID: 1472108A59

Level: (low/med) LOW Date Received: 02/21/08

% Moisture: not dec. _____ Date Analyzed: 02/25/08

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-38-3	m,p-Xylene (part of total)	10	U
95-47-6	o-Xylene (part of total)	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-15-0	Carbon disulfide	1.8	J
76-13-1	1,1,2-trichloro-1,2,2-triflu	5.0	U
67-64-1	Acetone	13	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-butanone	13	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-hexanone	13	U

FORM I VOA

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK 2

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472108

Sample wt/vol: 5 (g/ml) ML Lab File ID: 1472108A59

Level: (low/med) LOW Date Received: 02/21/08

% Moisture: not dec. _____ Date Analyzed: 02/25/08

GC Column: SPB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(u

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropyl Benzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
79-20-9	Methyl acetate	5.0	U
110-82-7	Cyclohexane	5.0	U
108-87-2	Methylcyclohexane	5.0	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW01

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472101

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1472101A62

Level: (low/med) LOW Date Received: 02/15/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/15/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/17/08

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-N-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
92-52-4	1,1'-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5.0	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW01

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472101

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1472101A62

Level: (low/med) LOW Date Received: 02/15/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/15/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/17/08

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
121-14-2	2,4-Dinitrotoluene	5.0	U
132-64-9	Dibenzofuran	5.0	U
84-66-2	Diethylphthalate	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
86-73-7	Fluorene	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine (1)	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
117-81-7	bis(2-ethylhexyl)Phthalate	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW02

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472106

Sample wt/vol: 500 (g/mL) ML Lab File ID: 1472106A62

Level: (low/med) LOW Date Received: 02/21/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/21/08

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/21/08

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-N-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
92-52-4	1,1'-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5.0	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW02

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472106

Sample wt/vol: 500 (g/mL) ML Lab File ID: 1472106A62

Level: (low/med) LOW Date Received: 02/21/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/21/08

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/21/08

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
121-14-2	2,4-Dinitrotoluene	5.0	U
132-64-9	Dibenzofuran	5.0	U
84-66-2	Diethylphthalate	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
86-73-7	Fluorene	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine (1)	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
117-81-7	bis(2-ethylhexyl)Phthalate	19	
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW03

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472102

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1472102A62

Level: (low/med) LOW Date Received: 02/15/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/15/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/17/08

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-N-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
92-52-4	1,1'-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5.0	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW03

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472102

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1472102A62

Level: (low/med) LOW Date Received: 02/15/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/15/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/17/08

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
121-14-2	2,4-Dinitrotoluene	5.0	U
132-64-9	Dibenzofuran	5.0	U
84-66-2	Diethylphthalate	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
86-73-7	Fluorene	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine (1)	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
117-81-7	bis(2-ethylhexyl)Phthalate	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW05

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472103

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1472103A62

Level: (low/med) LOW Date Received: 02/15/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/15/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/17/08

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	11	
621-64-7	N-Nitroso-di-N-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
92-52-4	1,1'-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5.0	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW05

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472103

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1472103A62

Level: (low/med) LOW Date Received: 02/15/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/15/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/17/08

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
121-14-2	2,4-Dinitrotoluene	5.0	U
132-64-9	Dibenzofuran	5.0	U
84-66-2	Diethylphthalate	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
86-73-7	Fluorene	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine (1)	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
117-81-7	bis(2-ethylhexyl)Phthalate	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW08

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472104

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1472104A62

Level: (low/med) LOW Date Received: 02/15/08

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 02/15/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/17/08

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-oxybis(1-Chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-N-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
92-52-4	1,1'-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5.0	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MDGW08

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 14721

Matrix: (soil/water) WATER Lab Sample ID: 1472104

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1472104A62

Level: (low/med) LOW Date Received: 02/15/08

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/15/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/17/08

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
121-14-2	2,4-Dinitrotoluene	5.0	U
132-64-9	Dibenzofuran	5.0	U
84-66-2	Diethylphthalate	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
86-73-7	Fluorene	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine (1)	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
117-81-7	bis(2-ethylhexyl)Phthalate	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U

(1) - Cannot be separated from Diphenylamine

DataChem Laboratories, Inc.

CANISTER CHAIN-OF-CUSTODY AND FIELD DATA RECORD

Client: URSOPERATING SERVICES

Account No: 8001

Project/Job/Task: 46

Please do not apply adhesive labels directly on Canisters

Manilla tags are provided, attached to Canisters for your convenience, to apply adhesive labels

Canister Serial No.:	Date Cleaned	Initial Vacuum (inches of Hg vacuum)	VFR flow rate (ml/min)	Initials:	Field Vacuum before sampling (inches of Hg vacuum)	Final Vacuum after sampling (Inches of Hg vacuum)	Client Sample Identification	SAMPLE DATE / SAMPLE TIME Other Client Information	DataChem Labs use only
108867	02.06.08	>25.0		[illegible]	25	1.75	MDIA05	2/14/08/1121	
108675	02.06.08				25	1.5	MDIA02	0858	
108532	01.30.08				24	3.0	MDIA08	1725	
108802	02.06.08				25	1.0	MDIA04	1100	
108716	02.04.08				25	1.75	MDIA09	1012	
VFR Serial No.:									
108620	02.07.08		~3.8	[illegible]					
108772									
108470									
107046									
108610									

Original Field Sample Chain-of-Custody

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/Storage Location
[illegible]	02.07.08 1130	[illegible] VIA FEDEX	
[illegible]	2-15-08/1200		

Return to:
DataChem Laboratories, Inc.
960 W. LeVoy Drive
Salt Lake City, UT 84123
800-356-9135

If canisters are kept for longer than the original project scheduled sampling, a $40 per can - per week rental fee will be assessed. If a project is cancelled after DCL has shipped cans, in addition to the cost of the initial shipping, a $40 weekly rental fee will be charged for each unused can until they are returned to DCL.

DataChem Laboratories, Inc.
CANISTER CHAIN-OF-CUSTODY AND FIELD DATA RECORD

Client: URSOPERATING SERVICES
Account No: 8001

Project/Job/Task: 46

Please do not apply adhesive labels directly on Canisters
Manilla tags are provided, attached to Canisters for your convenience, to apply adhesive labels

Canister Serial No.:	Date Cleaned	Initial Vacuum (inches of Hg vacuum)	VFR flow rate (ml/min)	Initials:	Field Vacuum before sampling (inches of Hg vacuum)	Final Vacuum after sampling (Inches of Hg vacuum)	Client Sample Identification	SAMPLE DATE / SAMPLE TIME Other Client Information	DataChem Labs use only
108890	01.30.08	>25.0		[illegible]	25	1.25	MDIA06	2-14-08/1136	
108815	02.04.08				25	2.0	MDIA07	1337	
108731	01.30.08								
108973	02.06.08				25	1.0	MDIA01	0818	
107220	02.04.08				24	0.0	MDIA03	1012	
VFR Serial No.:									
108450	02.07.08		~3.8	[illegible]					
108828									
108609									
108621									
108615									

Original Field Sample Chain-of-Custody

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/Storage Location
[illegible]	02.07.08 1130	[illegible] VIA FEDEX	
[illegible]	2-15-08/1200		

Return to:
DataChem Laboratories, Inc.
960 W. LeVoy Drive
Salt Lake City, UT 84123
800-356-9135

If canisters are kept for longer than the original project scheduled sampling, a $40 per can - per week rental fee will be assessed. If a project is cancelled after DCL has shipped cans, in addition to the cost of the initial shipping, a $40 weekly rental fee will be charged for each unused can until they are returned to DCL.

DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

Form RLIMS63A-V1.4
02270811000153

SAMPLE ANALYSIS DATA SHEET

S081L01B

Date Printed.....: 27-FEB-08 11:00

Client Name.....: URS Operating Services, Inc.
Client Ref Number....: OS-08-P-9773
Sampling Site.....: 36548526.00000
Release Number.....: OS-08-P-9773

Date Received.....: 16-FEB-08 00:00

Client Sample Name: **MDIA01|108973**
DCL Sample Name...: **08C00034**
DCL Report Group..: **08C-0007-01**

Matrix.....: SUMMA
Date Sampled.....: 14-FEB-08 08:18
Reporting Units...: ppb v/v
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: Not Applicable
Preparation Method...: Not Applicable
Aliquot Weight/Volume: 200 mL
Net Weight/Volume....: Not Required

DCL Analysis Group: G081N007
Analysis Method...: TO-15
Instrument Type...: GC/MS VO
Instrument ID.....: 5972-W
Column Type.....: DB-1
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Dichlorodifluoromethane	20-FEB-08 18:03	0.432	0.89	ppb v/v		1	0.5
Dichlorodifluoromethane	20-FEB-08 18:03	2.1	4.4	µg/m³		1	2.5
Chloromethane	20-FEB-08 18:03	0.405	0.56	ppb v/v		1	0.5
Chloromethane	20-FEB-08 18:03	0.84	1.2	µg/m³		1	1.0
Freon 114	20-FEB-08 18:03	0.409	ND	ppb v/v		1	0.5
Freon 114	20-FEB-08 18:03	2.9	ND	µg/m³		1	3.5
Vinyl Chloride	20-FEB-08 18:03	0.443	ND	ppb v/v		1	0.5
Vinyl Chloride	20-FEB-08 18:03	1.1	ND	µg/m³		1	1.3
1,3-Butadiene	20-FEB-08 18:03	0.338	ND	ppb v/v		1	0.5
1,3-Butadiene	20-FEB-08 18:03	0.75	ND	µg/m³		1	1.1
Bromomethane	20-FEB-08 18:03	0.326	ND	ppb v/v		1	0.5
Bromomethane	20-FEB-08 18:03	1.3	ND	µg/m³		1	1.9
Chloroethane	20-FEB-08 18:03	0.267	ND	ppb v/v		1	0.5
Chloroethane	20-FEB-08 18:03	0.70	ND	µg/m³		1	1.3
Freon 11	20-FEB-08 18:03	0.384	ND	ppb v/v		1	0.5
Freon 11	20-FEB-08 18:03	2.2	ND	µg/m³		1	2.8
cis-1,2-Dichloroethene	20-FEB-08 18:03	0.387	ND	ppb v/v		1	0.5
cis-1,2-Dichloroethene	20-FEB-08 18:03	1.5	ND	µg/m³		1	2.0
Carbon Disulfide	20-FEB-08 18:03	0.388	ND	ppb v/v		1	0.5
Carbon Disulfide	20-FEB-08 18:03	1.2	ND	µg/m³		1	1.6
Freon 113	20-FEB-08 18:03	0.369	ND	ppb v/v		1	0.5
Freon 113	20-FEB-08 18:03	2.8	ND	µg/m³		1	3.8
Acetone	20-FEB-08 18:03	0.195	2.9	ppb v/v		1	0.5
Acetone	20-FEB-08 18:03	0.46	7.0	µg/m³		1	1.2
Methylene Chloride	20-FEB-08 18:03	0.339	ND	ppb v/v		1	0.5
Methylene Chloride	20-FEB-08 18:03	1.2	ND	µg/m³		1	1.7
trans-1,2-Dichloroethene	20-FEB-08 18:03	0.437	ND	ppb v/v		1	0.5
trans-1,2-Dichloroethene	20-FEB-08 18:03	1.7	ND	µg/m³		1	2.0
1,1-Dichloroethane	20-FEB-08 18:03	0.355	ND	ppb v/v		1	0.5
1,1-Dichloroethane	20-FEB-08 18:03	1.4	ND	µg/m³		1	2.0
Methyl t-Butyl Ether	20-FEB-08 18:03	0.255	ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	20-FEB-08 18:03	0.92	ND	µg/m³		1	1.8
Vinyl Acetate	20-FEB-08 18:03	0.222	ND	ppb v/v		1	0.5
Vinyl Acetate	20-FEB-08 18:03	0.78	ND	µg/m³		1	1.8
1,1-Dichloroethene	20-FEB-08 18:03	0.390	ND	ppb v/v		1	0.5
1,1-Dichloroethene	20-FEB-08 18:03	1.5	ND	µg/m³		1	2.0
2-Butanone	20-FEB-08 18:03	0.248	ND	ppb v/v		1	0.5
2-Butanone	20-FEB-08 18:03	0.73	ND	µg/m³		1	1.5
Ethyl Acetate	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
Ethyl Acetate	20-FEB-08 18:03	0.94	ND	µg/m³		1	1.8
Hexane	20-FEB-08 18:03	0.261	0.61	ppb v/v		1	0.5

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L01B

Date Printed.....: 27-FEB-08 11:00
Client Name.....: URS Operating Services, Inc.

DCL Sample Name...: 08C00034
DCL Report Group..: 08C-0007-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Hexane	20-FEB-08 18:03	0.92	2.1	µg/m³		1	1.8
Chloroform	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
Chloroform	20-FEB-08 18:03	1.3	ND	µg/m³		1	2.4
1,1,1-Trichloroethane	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
1,1,1-Trichloroethane	20-FEB-08 18:03	1.4	ND	µg/m³		1	2.7
Carbon Tetrachloride	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
Carbon Tetrachloride	20-FEB-08 18:03	1.6	ND	µg/m³		1	3.1
Benzene	20-FEB-08 18:03	0.261	0.42	ppb v/v	J	1	0.5
Benzene	20-FEB-08 18:03	0.83	1.3	µg/m³	J	1	1.6
Tetrahydrofuran	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
Tetrahydrofuran	20-FEB-08 18:03	0.77	ND	µg/m³		1	1.5
1,2-Dichloroethane	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
1,2-Dichloroethane	20-FEB-08 18:03	1.1	ND	µg/m³		1	2.0
Cyclohexane	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
Cyclohexane	20-FEB-08 18:03	0.90	ND	µg/m³		1	1.7
Trichloroethene	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
Trichloroethene	20-FEB-08 18:03	1.4	ND	µg/m³		1	2.7
1,2-Dichloropropane	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
1,2-Dichloropropane	20-FEB-08 18:03	1.2	ND	µg/m³		1	2.3
Bromodichloromethane	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
Bromodichloromethane	20-FEB-08 18:03	1.7	ND	µg/m³		1	3.3
Heptane	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
Heptane	20-FEB-08 18:03	1.1	ND	µg/m³		1	2.0
cis-1,3-Dichloropropene	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
cis-1,3-Dichloropropene	20-FEB-08 18:03	1.2	ND	µg/m³		1	2.3
4-Methyl-2-Pentanone	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	20-FEB-08 18:03	1.1	ND	µg/m³		1	2.0
Toluene	20-FEB-08 18:03	0.261	0.84	ppb v/v		1	0.5
Toluene	20-FEB-08 18:03	0.98	3.2	µg/m³		1	1.9
trans-1,3-Dichloropropene	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	20-FEB-08 18:03	1.2	ND	µg/m³		1	2.3
1,1,2-Trichloroethane	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	20-FEB-08 18:03	1.4	ND	µg/m³		1	2.7
Tetrachloroethene	20-FEB-08 18:03	0.261	2.3	ppb v/v		1	0.5
Tetrachloroethene	20-FEB-08 18:03	1.8	16.	µg/m³		1	3.4
2-Hexanone	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
2-Hexanone	20-FEB-08 18:03	1.1	ND	µg/m³		1	2.0
Dibromochloromethane	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
Dibromochloromethane	20-FEB-08 18:03	2.2	ND	µg/m³		1	4.2
1,2-Dibromoethane	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
1,2-Dibromoethane	20-FEB-08 18:03	2.0	ND	µg/m³		1	3.8
Chlorobenzene	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
Chlorobenzene	20-FEB-08 18:03	1.2	ND	µg/m³		1	2.3
Ethylbenzene	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
Ethylbenzene	20-FEB-08 18:03	1.1	ND	µg/m³		1	2.2
m,p-Xylene	20-FEB-08 18:03	0.261	0.37	ppb v/v	J	1	0.5
m,p-Xylene	20-FEB-08 18:03	1.1	1.6	µg/m³	J	1	2.2
o-Xylene	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
o-Xylene	20-FEB-08 18:03	1.1	ND	µg/m³		1	2.2
Styrene	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
Styrene	20-FEB-08 18:03	1.1	ND	µg/m³		1	2.1
Bromoform	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
Bromoform	20-FEB-08 18:03	2.7	ND	µg/m³		1	5.1
1,1,2,2-Tetrachloroethane	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
1,1,2,2-Tetrachloroethane	20-FEB-08 18:03	1.8	ND	µg/m³		1	3.4
Benzyl Chloride	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
Benzyl Chloride	20-FEB-08 18:03	1.4	ND	µg/m³		1	2.6
4-Ethyl toluene	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L01B

Date Printed.....: 27-FEB-08 11:00
Client Name.....: URS Operating Services, Inc.

DCL Sample Name...: **08C00034**
DCL Report Group..: **08C-0007-01**

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
4-Ethyl toluene	20-FEB-08 18:03	1.3	ND	µg/m³		1	2.5
1,3,5-Trimethylbenzene	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
1,3,5-Trimethylbenzene	20-FEB-08 18:03	1.3	ND	µg/m³		1	2.5
1,2,4-Trimethylbenzene	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
1,2,4-Trimethylbenzene	20-FEB-08 18:03	1.3	ND	µg/m³		1	2.5
1,3-Dichlorobenzene	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
1,3-Dichlorobenzene	20-FEB-08 18:03	1.6	ND	µg/m³		1	3.0
1,4-Dichlorobenzene	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
1,4-Dichlorobenzene	20-FEB-08 18:03	1.6	ND	µg/m³		1	3.0
1,2-Dichlorobenzene	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
1,2-Dichlorobenzene	20-FEB-08 18:03	1.6	ND	µg/m³		1	3.0
1,2,4-Trichlorobenzene	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
1,2,4-Trichlorobenzene	20-FEB-08 18:03	1.9	ND	µg/m³		1	3.7
Hexachlorobutadiene	20-FEB-08 18:03	0.261	ND	ppb v/v		1	0.5
Hexachlorobutadiene	20-FEB-08 18:03	2.8	ND	µg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Methane, chlorodifluoro-(4.03)	20-FEB-08 18:03	6.8	ppb v/v	J	1
Ethanol(5.16)	20-FEB-08 18:03	76.	ppb v/v	J	1
Isopropyl Alcohol(5.92)	20-FEB-08 18:03	1.6	ppb v/v	J	1

DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

S081L01F

SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 27-FEB-08 11:00

Client Name.....: URS Operating Services, Inc.
Client Ref Number....: OS-08-P-9773
Sampling Site.....: 36548526.00000
Release Number.....: OS-08-P-9773

Date Received.....: 16-FEB-08 00:00

Client Sample Name: **MDIA02|108675**
DCL Sample Name...: **08C00037**
DCL Report Group..: **08C-0007-01**

Matrix.....: SUMMA
Date Sampled.....: 14-FEB-08 08:58
Reporting Units...: ppb v/v
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: Not Applicable
Preparation Method...: Not Applicable
Aliquot Weight/Volume: 200 mL
Net Weight/Volume....: Not Required

DCL Analysis Group: G081N007
Analysis Method...: TO-15
Instrument Type...: GC/MS VO
Instrument ID.....: 5972-W
Column Type.....: DB-1
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Dichlorodifluoromethane	20-FEB-08 21:57	0.432	0.50	ppb v/v		1	0.5
Dichlorodifluoromethane	20-FEB-08 21:57	2.1	2.5	µg/m³		1	2.5
Chloromethane	20-FEB-08 21:57	0.405	0.62	ppb v/v		1	0.5
Chloromethane	20-FEB-08 21:57	0.84	1.3	µg/m³		1	1.0
Freon 114	20-FEB-08 21:57	0.409	ND	ppb v/v		1	0.5
Freon 114	20-FEB-08 21:57	2.9	ND	µg/m³		1	3.5
Vinyl Chloride	20-FEB-08 21:57	0.443	ND	ppb v/v		1	0.5
Vinyl Chloride	20-FEB-08 21:57	1.1	ND	µg/m³		1	1.3
1,3-Butadiene	20-FEB-08 21:57	0.338	ND	ppb v/v		1	0.5
1,3-Butadiene	20-FEB-08 21:57	0.75	ND	µg/m³		1	1.1
Bromomethane	20-FEB-08 21:57	0.326	ND	ppb v/v		1	0.5
Bromomethane	20-FEB-08 21:57	1.3	ND	µg/m³		1	1.9
Chloroethane	20-FEB-08 21:57	0.267	ND	ppb v/v		1	0.5
Chloroethane	20-FEB-08 21:57	0.70	ND	µg/m³		1	1.3
Freon 11	20-FEB-08 21:57	0.384	ND	ppb v/v		1	0.5
Freon 11	20-FEB-08 21:57	2.2	ND	µg/m³		1	2.8
cis-1,2-Dichloroethene	20-FEB-08 21:57	0.387	ND	ppb v/v		1	0.5
cis-1,2-Dichloroethene	20-FEB-08 21:57	1.5	ND	µg/m³		1	2.0
Carbon Disulfide	20-FEB-08 21:57	0.388	ND	ppb v/v		1	0.5
Carbon Disulfide	20-FEB-08 21:57	1.2	ND	µg/m³		1	1.6
Freon 113	20-FEB-08 21:57	0.369	ND	ppb v/v		1	0.5
Freon 113	20-FEB-08 21:57	2.8	ND	µg/m³		1	3.8
Acetone	20-FEB-08 21:57	0.195	2.8	ppb v/v		1	0.5
Acetone	20-FEB-08 21:57	0.46	6.7	µg/m³		1	1.2
Methylene Chloride	20-FEB-08 21:57	0.339	ND	ppb v/v		1	0.5
Methylene Chloride	20-FEB-08 21:57	1.2	ND	µg/m³		1	1.7
trans-1,2-Dichloroethene	20-FEB-08 21:57	0.437	ND	ppb v/v		1	0.5
trans-1,2-Dichloroethene	20-FEB-08 21:57	1.7	ND	µg/m³		1	2.0
1,1-Dichloroethane	20-FEB-08 21:57	0.355	ND	ppb v/v		1	0.5
1,1-Dichloroethane	20-FEB-08 21:57	1.4	ND	µg/m³		1	2.0
Methyl t-Butyl Ether	20-FEB-08 21:57	0.255	ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	20-FEB-08 21:57	0.92	ND	µg/m³		1	1.8
Vinyl Acetate	20-FEB-08 21:57	0.222	ND	ppb v/v		1	0.5
Vinyl Acetate	20-FEB-08 21:57	0.78	ND	µg/m³		1	1.8
1,1-Dichloroethene	20-FEB-08 21:57	0.390	ND	ppb v/v		1	0.5
1,1-Dichloroethene	20-FEB-08 21:57	1.5	ND	µg/m³		1	2.0
2-Butanone	20-FEB-08 21:57	0.248	ND	ppb v/v		1	0.5
2-Butanone	20-FEB-08 21:57	0.73	ND	µg/m³		1	1.5
Ethyl Acetate	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
Ethyl Acetate	20-FEB-08 21:57	0.94	ND	µg/m³		1	1.8
Hexane	20-FEB-08 21:57	0.261	1.0	ppb v/v		1	0.5

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DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L01F

Date Printed.....: 27-FEB-08 11:00
Client Name.....: URS Operating Services, Inc.

DCL Sample Name...: **08C00037**
DCL Report Group..: **08C-0007-01**

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Hexane	20-FEB-08 21:57	0.92	3.6	µg/m³		1	1.8
Chloroform	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
Chloroform	20-FEB-08 21:57	1.3	ND	µg/m³		1	2.4
1,1,1-Trichloroethane	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
1,1,1-Trichloroethane	20-FEB-08 21:57	1.4	ND	µg/m³		1	2.7
Carbon Tetrachloride	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
Carbon Tetrachloride	20-FEB-08 21:57	1.6	ND	µg/m³		1	3.1
Benzene	20-FEB-08 21:57	0.261	0.60	ppb v/v		1	0.5
Benzene	20-FEB-08 21:57	0.83	1.9	µg/m³		1	1.6
Tetrahydrofuran	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
Tetrahydrofuran	20-FEB-08 21:57	0.77	ND	µg/m³		1	1.5
1,2-Dichloroethane	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
1,2-Dichloroethane	20-FEB-08 21:57	1.1	ND	µg/m³		1	2.0
Cyclohexane	20-FEB-08 21:57	0.261	0.32	ppb v/v	J	1	0.5
Cyclohexane	20-FEB-08 21:57	0.90	1.1	µg/m³	J	1	1.7
Trichloroethene	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
Trichloroethene	20-FEB-08 21:57	1.4	ND	µg/m³		1	2.7
1,2-Dichloropropane	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
1,2-Dichloropropane	20-FEB-08 21:57	1.2	ND	µg/m³		1	2.3
Bromodichloromethane	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
Bromodichloromethane	20-FEB-08 21:57	1.7	ND	µg/m³		1	3.3
Heptane	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
Heptane	20-FEB-08 21:57	1.1	ND	µg/m³		1	2.0
cis-1,3-Dichloropropene	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
cis-1,3-Dichloropropene	20-FEB-08 21:57	1.2	ND	µg/m³		1	2.3
4-Methyl-2-Pentanone	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	20-FEB-08 21:57	1.1	ND	µg/m³		1	2.0
Toluene	20-FEB-08 21:57	0.261	1.0	ppb v/v		1	0.5
Toluene	20-FEB-08 21:57	0.98	3.9	µg/m³		1	1.9
trans-1,3-Dichloropropene	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	20-FEB-08 21:57	1.2	ND	µg/m³		1	2.3
1,1,2-Trichloroethane	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	20-FEB-08 21:57	1.4	ND	µg/m³		1	2.7
Tetrachloroethene	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
Tetrachloroethene	20-FEB-08 21:57	1.8	ND	µg/m³		1	3.4
2-Hexanone	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
2-Hexanone	20-FEB-08 21:57	1.1	ND	µg/m³		1	2.0
Dibromochloromethane	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
Dibromochloromethane	20-FEB-08 21:57	2.2	ND	µg/m³		1	4.2
1,2-Dibromoethane	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
1,2-Dibromoethane	20-FEB-08 21:57	2.0	ND	µg/m³		1	3.8
Chlorobenzene	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
Chlorobenzene	20-FEB-08 21:57	1.2	ND	µg/m³		1	2.3
Ethylbenzene	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
Ethylbenzene	20-FEB-08 21:57	1.1	ND	µg/m³		1	2.2
m,p-Xylene	20-FEB-08 21:57	0.261	0.43	ppb v/v	J	1	0.5
m,p-Xylene	20-FEB-08 21:57	1.1	1.9	µg/m³	J	1	2.2
o-Xylene	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
o-Xylene	20-FEB-08 21:57	1.1	ND	µg/m³		1	2.2
Styrene	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
Styrene	20-FEB-08 21:57	1.1	ND	µg/m³		1	2.1
Bromoform	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
Bromoform	20-FEB-08 21:57	2.7	ND	µg/m³		1	5.1
1,1,2,2-Tetrachloroethane	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
1,1,2,2-Tetrachloroethane	20-FEB-08 21:57	1.8	ND	µg/m³		1	3.4
Benzyl Chloride	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
Benzyl Chloride	20-FEB-08 21:57	1.4	ND	µg/m³		1	2.6
4-Ethyl toluene	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L01F

Date Printed.....: 27-FEB-08 11:00
Client Name.....: URS Operating Services, Inc.

DCL Sample Name...: 08C00037
DCL Report Group..: 08C-0007-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
4-Ethyl toluene	20-FEB-08 21:57	1.3	ND	µg/m³		1	2.5
1,3,5-Trimethylbenzene	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
1,3,5-Trimethylbenzene	20-FEB-08 21:57	1.3	ND	µg/m³		1	2.5
1,2,4-Trimethylbenzene	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
1,2,4-Trimethylbenzene	20-FEB-08 21:57	1.3	ND	µg/m³		1	2.5
1,3-Dichlorobenzene	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
1,3-Dichlorobenzene	20-FEB-08 21:57	1.6	ND	µg/m³		1	3.0
1,4-Dichlorobenzene	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
1,4-Dichlorobenzene	20-FEB-08 21:57	1.6	ND	µg/m³		1	3.0
1,2-Dichlorobenzene	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
1,2-Dichlorobenzene	20-FEB-08 21:57	1.6	ND	µg/m³		1	3.0
1,2,4-Trichlorobenzene	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
1,2,4-Trichlorobenzene	20-FEB-08 21:57	1.9	ND	µg/m³		1	3.7
Hexachlorobutadiene	20-FEB-08 21:57	0.261	ND	ppb v/v		1	0.5
Hexachlorobutadiene	20-FEB-08 21:57	2.8	ND	µg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Isobutane(4.40)	20-FEB-08 21:57	7.9	ppb v/v	J	1
Butane(4.67)	20-FEB-08 21:57	7.5	ppb v/v	J	1
Ethanol(5.22)	20-FEB-08 21:57	9.0	ppb v/v	J	1
Butane, 2-methyl-(5.55)	20-FEB-08 21:57	4.1	ppb v/v	J	1
Isopropyl Alcohol(5.92)	20-FEB-08 21:57	1.1	ppb v/v	J	1
Pentane(5.98)	20-FEB-08 21:57	2.9	ppb v/v	J	1

DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L01C

Date Printed.....: 27-FEB-08 11:00

Client Name.....: URS Operating Services, Inc.
Client Ref Number....: OS-08-P-9773
Sampling Site.....: 36548526.00000
Release Number.....: OS-08-P-9773

Date Received.....: 16-FEB-08 00:00

Client Sample Name: **MDIA03|108720**
DCL Sample Name...: **08C00035**
DCL Report Group..: **08C-0007-01**

Matrix.....: SUMMA
Date Sampled.....: 14-FEB-08 10:12
Reporting Units...: ppb v/v
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: Not Applicable
Preparation Method...: Not Applicable
Aliquot Weight/Volume: 200 mL
Net Weight/Volume....: Not Required

DCL Analysis Group: G081N007
Analysis Method...: TO-15
Instrument Type...: GC/MS VO
Instrument ID.....: 5972-W
Column Type.....: DB-1
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Dichlorodifluoromethane	20-FEB-08 19:19	0.432	0.53	ppb v/v		1	0.5
Dichlorodifluoromethane	20-FEB-08 19:19	2.1	2.6	µg/m³		1	2.5
Chloromethane	20-FEB-08 19:19	0.405	0.56	ppb v/v		1	0.5
Chloromethane	20-FEB-08 19:19	0.84	1.2	µg/m³		1	1.0
Freon 114	20-FEB-08 19:19	0.409	ND	ppb v/v		1	0.5
Freon 114	20-FEB-08 19:19	2.9	ND	µg/m³		1	3.5
Vinyl Chloride	20-FEB-08 19:19	0.443	ND	ppb v/v		1	0.5
Vinyl Chloride	20-FEB-08 19:19	1.1	ND	µg/m³		1	1.3
1,3-Butadiene	20-FEB-08 19:19	0.338	ND	ppb v/v		1	0.5
1,3-Butadiene	20-FEB-08 19:19	0.75	ND	µg/m³		1	1.1
Bromomethane	20-FEB-08 19:19	0.326	ND	ppb v/v		1	0.5
Bromomethane	20-FEB-08 19:19	1.3	ND	µg/m³		1	1.9
Chloroethane	20-FEB-08 19:19	0.267	ND	ppb v/v		1	0.5
Chloroethane	20-FEB-08 19:19	0.70	ND	µg/m³		1	1.3
Freon 11	20-FEB-08 19:19	0.384	ND	ppb v/v		1	0.5
Freon 11	20-FEB-08 19:19	2.2	ND	µg/m³		1	2.8
cis-1,2-Dichloroethene	20-FEB-08 19:19	0.387	ND	ppb v/v		1	0.5
cis-1,2-Dichloroethene	20-FEB-08 19:19	1.5	ND	µg/m³		1	2.0
Carbon Disulfide	20-FEB-08 19:19	0.388	ND	ppb v/v		1	0.5
Carbon Disulfide	20-FEB-08 19:19	1.2	ND	µg/m³		1	1.6
Freon 113	20-FEB-08 19:19	0.369	ND	ppb v/v		1	0.5
Freon 113	20-FEB-08 19:19	2.8	ND	µg/m³		1	3.8
Acetone	20-FEB-08 19:19	0.195	8.7	ppb v/v		1	0.5
Acetone	20-FEB-08 19:19	0.46	21.	µg/m³		1	1.2
Methylene Chloride	20-FEB-08 19:19	0.339	ND	ppb v/v		1	0.5
Methylene Chloride	20-FEB-08 19:19	1.2	ND	µg/m³		1	1.7
trans-1,2-Dichloroethene	20-FEB-08 19:19	0.437	ND	ppb v/v		1	0.5
trans-1,2-Dichloroethene	20-FEB-08 19:19	1.7	ND	µg/m³		1	2.0
1,1-Dichloroethane	20-FEB-08 19:19	0.355	ND	ppb v/v		1	0.5
1,1-Dichloroethane	20-FEB-08 19:19	1.4	ND	µg/m³		1	2.0
Methyl t-Butyl Ether	20-FEB-08 19:19	0.255	ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	20-FEB-08 19:19	0.92	ND	µg/m³		1	1.8
Vinyl Acetate	20-FEB-08 19:19	0.222	ND	ppb v/v		1	0.5
Vinyl Acetate	20-FEB-08 19:19	0.78	ND	µg/m³		1	1.8
1,1-Dichloroethene	20-FEB-08 19:19	0.390	ND	ppb v/v		1	0.5
1,1-Dichloroethene	20-FEB-08 19:19	1.5	ND	µg/m³		1	2.0
2-Butanone	20-FEB-08 19:19	0.248	0.59	ppb v/v		1	0.5
2-Butanone	20-FEB-08 19:19	0.73	1.7	µg/m³		1	1.5
Ethyl Acetate	20-FEB-08 19:19	0.261	0.47	ppb v/v	J	1	0.5
Ethyl Acetate	20-FEB-08 19:19	0.94	1.7	µg/m³	J	1	1.8
Hexane	20-FEB-08 19:19	0.261	0.57	ppb v/v		1	0.5

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DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L01C

Date Printed.....: 27-FEB-08 11:00
Client Name.....: URS Operating Services, Inc.

DCL Sample Name...: **08C00035**
DCL Report Group..: **08C-0007-01**

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Hexane	20-FEB-08 19:19	0.92	2.0	µg/m³		1	1.8
Chloroform	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
Chloroform	20-FEB-08 19:19	1.3	ND	µg/m³		1	2.4
1,1,1-Trichloroethane	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
1,1,1-Trichloroethane	20-FEB-08 19:19	1.4	ND	µg/m³		1	2.7
Carbon Tetrachloride	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
Carbon Tetrachloride	20-FEB-08 19:19	1.6	ND	µg/m³		1	3.1
Benzene	20-FEB-08 19:19	0.261	0.32	ppb v/v	J	1	0.5
Benzene	20-FEB-08 19:19	0.83	1.0	µg/m³	J	1	1.6
Tetrahydrofuran	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
Tetrahydrofuran	20-FEB-08 19:19	0.77	ND	µg/m³		1	1.5
1,2-Dichloroethane	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
1,2-Dichloroethane	20-FEB-08 19:19	1.1	ND	µg/m³		1	2.0
Cyclohexane	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
Cyclohexane	20-FEB-08 19:19	0.90	ND	µg/m³		1	1.7
Trichloroethene	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
Trichloroethene	20-FEB-08 19:19	1.4	ND	µg/m³		1	2.7
1,2-Dichloropropane	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
1,2-Dichloropropane	20-FEB-08 19:19	1.2	ND	µg/m³		1	2.3
Bromodichloromethane	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
Bromodichloromethane	20-FEB-08 19:19	1.7	ND	µg/m³		1	3.3
Heptane	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
Heptane	20-FEB-08 19:19	1.1	ND	µg/m³		1	2.0
cis-1,3-Dichloropropene	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
cis-1,3-Dichloropropene	20-FEB-08 19:19	1.2	ND	µg/m³		1	2.3
4-Methyl-2-Pentanone	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	20-FEB-08 19:19	1.1	ND	µg/m³		1	2.0
Toluene	20-FEB-08 19:19	0.261	1.2	ppb v/v		1	0.5
Toluene	20-FEB-08 19:19	0.98	4.4	µg/m³		1	1.9
trans-1,3-Dichloropropene	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	20-FEB-08 19:19	1.2	ND	µg/m³		1	2.3
1,1,2-Trichloroethane	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	20-FEB-08 19:19	1.4	ND	µg/m³		1	2.7
Tetrachloroethene	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
Tetrachloroethene	20-FEB-08 19:19	1.8	ND	µg/m³		1	3.4
2-Hexanone	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
2-Hexanone	20-FEB-08 19:19	1.1	ND	µg/m³		1	2.0
Dibromochloromethane	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
Dibromochloromethane	20-FEB-08 19:19	2.2	ND	µg/m³		1	4.2
1,2-Dibromoethane	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
1,2-Dibromoethane	20-FEB-08 19:19	2.0	ND	µg/m³		1	3.8
Chlorobenzene	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
Chlorobenzene	20-FEB-08 19:19	1.2	ND	µg/m³		1	2.3
Ethylbenzene	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
Ethylbenzene	20-FEB-08 19:19	1.1	ND	µg/m³		1	2.2
m,p-Xylene	20-FEB-08 19:19	0.261	0.36	ppb v/v	J	1	0.5
m,p-Xylene	20-FEB-08 19:19	1.1	1.6	µg/m³	J	1	2.2
o-Xylene	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
o-Xylene	20-FEB-08 19:19	1.1	ND	µg/m³		1	2.2
Styrene	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
Styrene	20-FEB-08 19:19	1.1	ND	µg/m³		1	2.1
Bromoform	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
Bromoform	20-FEB-08 19:19	2.7	ND	µg/m³		1	5.1
1,1,2,2-Tetrachloroethane	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
1,1,2,2-Tetrachloroethane	20-FEB-08 19:19	1.8	ND	µg/m³		1	3.4
Benzyl Chloride	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
Benzyl Chloride	20-FEB-08 19:19	1.4	ND	µg/m³		1	2.6
4-Ethyl toluene	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5

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DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L01C

Date Printed.....: 27-FEB-08 11:00
Client Name.....: URS Operating Services, Inc.

DCL Sample Name...: 08C00035
DCL Report Group..: 08C-0007-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
4-Ethyl toluene	20-FEB-08 19:19	1.3	ND	µg/m³		1	2.5
1,3,5-Trimethylbenzene	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
1,3,5-Trimethylbenzene	20-FEB-08 19:19	1.3	ND	µg/m³		1	2.5
1,2,4-Trimethylbenzene	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
1,2,4-Trimethylbenzene	20-FEB-08 19:19	1.3	ND	µg/m³		1	2.5
1,3-Dichlorobenzene	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
1,3-Dichlorobenzene	20-FEB-08 19:19	1.6	ND	µg/m³		1	3.0
1,4-Dichlorobenzene	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
1,4-Dichlorobenzene	20-FEB-08 19:19	1.6	ND	µg/m³		1	3.0
1,2-Dichlorobenzene	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
1,2-Dichlorobenzene	20-FEB-08 19:19	1.6	ND	µg/m³		1	3.0
1,2,4-Trichlorobenzene	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
1,2,4-Trichlorobenzene	20-FEB-08 19:19	1.9	ND	µg/m³		1	3.7
Hexachlorobutadiene	20-FEB-08 19:19	0.261	ND	ppb v/v		1	0.5
Hexachlorobutadiene	20-FEB-08 19:19	2.8	ND	µg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Isobutane(4.41)	20-FEB-08 19:19	4.4	ppb v/v	J	1
Butane(4.68)	20-FEB-08 19:19	3.4	ppb v/v	J	1
Ethanol(5.20)	20-FEB-08 19:19	18.	ppb v/v	J	1

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

Form RLIMS63A-V1.4
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S081L01J

SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 27-FEB-08 11:00

Client Name.....: URS Operating Services, Inc.
Client Ref Number....: OS-08-P-9773
Sampling Site.....: 36548526.00000
Release Number.....: OS-08-P-9773

Date Received.....: 16-FEB-08 00:00

Client Sample Name: MDIA09|108716
DCL Sample Name...: 08C00040
DCL Report Group..: 08C-0007-01

REPLICATE OF MDIA03

Matrix.....: SUMMA
Date Sampled.....: 14-FEB-08 10:12
Reporting Units...: ppb v/v
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: Not Applicable
Preparation Method...: Not Applicable
Aliquot Weight/Volume: 200 mL
Net Weight/Volume....: Not Required

DCL Analysis Group: G081N007
Analysis Method...: TO-15
Instrument Type...: GC/MS VO
Instrument ID.....: 5972-W
Column Type.....: DB-1
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Dichlorodifluoromethane	21-FEB-08 02:06	0.432	0.55	ppb v/v		1	0.5
Dichlorodifluoromethane	21-FEB-08 02:06	2.1	2.7	µg/m³		1	2.5
Chloromethane	21-FEB-08 02:06	0.405	0.62	ppb v/v		1	0.5
Chloromethane	21-FEB-08 02:06	0.84	1.3	µg/m³		1	1.0
Freon 114	21-FEB-08 02:06	0.409	ND	ppb v/v		1	0.5
Freon 114	21-FEB-08 02:06	2.9	ND	µg/m³		1	3.5
Vinyl Chloride	21-FEB-08 02:06	0.443	ND	ppb v/v		1	0.5
Vinyl Chloride	21-FEB-08 02:06	1.1	ND	µg/m³		1	1.3
1,3-Butadiene	21-FEB-08 02:06	0.338	ND	ppb v/v		1	0.5
1,3-Butadiene	21-FEB-08 02:06	0.75	ND	µg/m³		1	1.1
Bromomethane	21-FEB-08 02:06	0.326	ND	ppb v/v		1	0.5
Bromomethane	21-FEB-08 02:06	1.3	ND	µg/m³		1	1.9
Chloroethane	21-FEB-08 02:06	0.267	ND	ppb v/v		1	0.5
Chloroethane	21-FEB-08 02:06	0.70	ND	µg/m³		1	1.3
Freon 11	21-FEB-08 02:06	0.384	ND	ppb v/v		1	0.5
Freon 11	21-FEB-08 02:06	2.2	ND	µg/m³		1	2.8
cis-1,2-Dichloroethene	21-FEB-08 02:06	0.387	ND	ppb v/v		1	0.5
cis-1,2-Dichloroethene	21-FEB-08 02:06	1.5	ND	µg/m³		1	2.0
Carbon Disulfide	21-FEB-08 02:06	0.388	ND	ppb v/v		1	0.5
Carbon Disulfide	21-FEB-08 02:06	1.2	ND	µg/m³		1	1.6
Freon 113	21-FEB-08 02:06	0.369	ND	ppb v/v		1	0.5
Freon 113	21-FEB-08 02:06	2.8	ND	µg/m³		1	3.8
Acetone	21-FEB-08 02:06	0.195	5.7	ppb v/v		1	0.5
Acetone	21-FEB-08 02:06	0.46	14.	µg/m³		1	1.2
Methylene Chloride	21-FEB-08 02:06	0.339	ND	ppb v/v		1	0.5
Methylene Chloride	21-FEB-08 02:06	1.2	ND	µg/m³		1	1.7
trans-1,2-Dichloroethene	21-FEB-08 02:06	0.437	ND	ppb v/v		1	0.5
trans-1,2-Dichloroethene	21-FEB-08 02:06	1.7	ND	µg/m³		1	2.0
1,1-Dichloroethane	21-FEB-08 02:06	0.355	ND	ppb v/v		1	0.5
1,1-Dichloroethane	21-FEB-08 02:06	1.4	ND	µg/m³		1	2.0
Methyl t-Butyl Ether	21-FEB-08 02:06	0.255	ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	21-FEB-08 02:06	0.92	ND	µg/m³		1	1.8
Vinyl Acetate	21-FEB-08 02:06	0.222	ND	ppb v/v		1	0.5
Vinyl Acetate	21-FEB-08 02:06	0.78	ND	µg/m³		1	1.8
1,1-Dichloroethene	21-FEB-08 02:06	0.390	ND	ppb v/v		1	0.5
1,1-Dichloroethene	21-FEB-08 02:06	1.5	ND	µg/m³		1	2.0
2-Butanone	21-FEB-08 02:06	0.248	ND	ppb v/v		1	0.5
2-Butanone	21-FEB-08 02:06	0.73	ND	µg/m³		1	1.5
Ethyl Acetate	21-FEB-08 02:06	0.261	1.1	ppb v/v		1	0.5
Ethyl Acetate	21-FEB-08 02:06	0.94	3.9	µg/m³		1	1.8
Hexane	21-FEB-08 02:06	0.261	0.55	ppb v/v		1	0.5

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L01J

Date Printed.....: 27-FEB-08 11:00
Client Name.....: URS Operating Services, Inc.

DCL Sample Name...: **08C00040**
DCL Report Group..: **08C-0007-01**

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Hexane	21-FEB-08 02:06	0.92	1.9	µg/m³		1	1.8
Chloroform	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
Chloroform	21-FEB-08 02:06	1.3	ND	µg/m³		1	2.4
1,1,1-Trichloroethane	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
1,1,1-Trichloroethane	21-FEB-08 02:06	1.4	ND	µg/m³		1	2.7
Carbon Tetrachloride	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
Carbon Tetrachloride	21-FEB-08 02:06	1.6	ND	µg/m³		1	3.1
Benzene	21-FEB-08 02:06	0.261	0.33	ppb v/v	J	1	0.5
Benzene	21-FEB-08 02:06	0.83	1.0	µg/m³	J	1	1.6
Tetrahydrofuran	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
Tetrahydrofuran	21-FEB-08 02:06	0.77	ND	µg/m³		1	1.5
1,2-Dichloroethane	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
1,2-Dichloroethane	21-FEB-08 02:06	1.1	ND	µg/m³		1	2.0
Cyclohexane	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
Cyclohexane	21-FEB-08 02:06	0.90	ND	µg/m³		1	1.7
Trichloroethene	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
Trichloroethene	21-FEB-08 02:06	1.4	ND	µg/m³		1	2.7
1,2-Dichloropropane	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
1,2-Dichloropropane	21-FEB-08 02:06	1.2	ND	µg/m³		1	2.3
Bromodichloromethane	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
Bromodichloromethane	21-FEB-08 02:06	1.7	ND	µg/m³		1	3.3
Heptane	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
Heptane	21-FEB-08 02:06	1.1	ND	µg/m³		1	2.0
cis-1,3-Dichloropropene	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
cis-1,3-Dichloropropene	21-FEB-08 02:06	1.2	ND	µg/m³		1	2.3
4-Methyl-2-Pentanone	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	21-FEB-08 02:06	1.1	ND	µg/m³		1	2.0
Toluene	21-FEB-08 02:06	0.261	1.0	ppb v/v		1	0.5
Toluene	21-FEB-08 02:06	0.98	3.9	µg/m³		1	1.9
trans-1,3-Dichloropropene	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	21-FEB-08 02:06	1.2	ND	µg/m³		1	2.3
1,1,2-Trichloroethane	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	21-FEB-08 02:06	1.4	ND	µg/m³		1	2.7
Tetrachloroethene	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
Tetrachloroethene	21-FEB-08 02:06	1.8	ND	µg/m³		1	3.4
2-Hexanone	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
2-Hexanone	21-FEB-08 02:06	1.1	ND	µg/m³		1	2.0
Dibromochloromethane	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
Dibromochloromethane	21-FEB-08 02:06	2.2	ND	µg/m³		1	4.2
1,2-Dibromoethane	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
1,2-Dibromoethane	21-FEB-08 02:06	2.0	ND	µg/m³		1	3.8
Chlorobenzene	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
Chlorobenzene	21-FEB-08 02:06	1.2	ND	µg/m³		1	2.3
Ethylbenzene	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
Ethylbenzene	21-FEB-08 02:06	1.1	ND	µg/m³		1	2.2
m,p-Xylene	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
m,p-Xylene	21-FEB-08 02:06	1.1	ND	µg/m³		1	2.2
o-Xylene	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
o-Xylene	21-FEB-08 02:06	1.1	ND	µg/m³		1	2.2
Styrene	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
Styrene	21-FEB-08 02:06	1.1	ND	µg/m³		1	2.1
Bromoform	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
Bromoform	21-FEB-08 02:06	2.7	ND	µg/m³		1	5.1
1,1,2,2-Tetrachloroethane	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
1,1,2,2-Tetrachloroethane	21-FEB-08 02:06	1.8	ND	µg/m³		1	3.4
Benzyl Chloride	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
Benzyl Chloride	21-FEB-08 02:06	1.4	ND	µg/m³		1	2.6
4-Ethyl toluene	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5

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DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L01J

Date Printed.....: 27-FEB-08 11:00
Client Name.....: URS Operating Services, Inc.

DCL Sample Name...: **08C00040**
DCL Report Group..: **08C-0007-01**

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
4-Ethyl toluene	21-FEB-08 02:06	1.3	ND	µg/m³		1	2.5
1,3,5-Trimethylbenzene	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
1,3,5-Trimethylbenzene	21-FEB-08 02:06	1.3	ND	µg/m³		1	2.5
1,2,4-Trimethylbenzene	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
1,2,4-Trimethylbenzene	21-FEB-08 02:06	1.3	ND	µg/m³		1	2.5
1,3-Dichlorobenzene	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
1,3-Dichlorobenzene	21-FEB-08 02:06	1.6	ND	µg/m³		1	3.0
1,4-Dichlorobenzene	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
1,4-Dichlorobenzene	21-FEB-08 02:06	1.6	ND	µg/m³		1	3.0
1,2-Dichlorobenzene	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
1,2-Dichlorobenzene	21-FEB-08 02:06	1.6	ND	µg/m³		1	3.0
1,2,4-Trichlorobenzene	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
1,2,4-Trichlorobenzene	21-FEB-08 02:06	1.9	ND	µg/m³		1	3.7
Hexachlorobutadiene	21-FEB-08 02:06	0.261	ND	ppb v/v		1	0.5
Hexachlorobutadiene	21-FEB-08 02:06	2.8	ND	µg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Isobutane(4.41)	21-FEB-08 02:06	5.0	ppb v/v	J	1
Butane(4.68)	21-FEB-08 02:06	3.6	ppb v/v	J	1
Ethanol(5.20)	21-FEB-08 02:06	20.	ppb v/v	J	1

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L01H

Date Printed.....: 27-FEB-08 11:00

Client Name.....: URS Operating Services, Inc.
Client Ref Number....: OS-08-P-9773
Sampling Site.....: 36548526.00000
Release Number.....: OS-08-P-9773

Date Received.....: 16-FEB-08 00:00

Client Sample Name: **MDIA04|108802**
DCL Sample Name...: **08C00039**
DCL Report Group..: **08C-0007-01**

Matrix.....: SUMMA
Date Sampled.....: 14-FEB-08 11:00
Reporting Units...: ppb v/v
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: Not Applicable
Preparation Method...: Not Applicable
Aliquot Weight/Volume: 200 mL
Net Weight/Volume....: Not Required

DCL Analysis Group: G081N007
Analysis Method...: TO-15
Instrument Type...: GC/MS VO
Instrument ID.....: 5972-W
Column Type.....: DB-1
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Dichlorodifluoromethane	21-FEB-08 00:43	0.432	0.52	ppb v/v		1	0.5
Dichlorodifluoromethane	21-FEB-08 00:43	2.1	2.6	µg/m³		1	2.5
Chloromethane	21-FEB-08 00:43	0.405	0.54	ppb v/v		1	0.5
Chloromethane	21-FEB-08 00:43	0.84	1.1	µg/m³		1	1.0
Freon 114	21-FEB-08 00:43	0.409	ND	ppb v/v		1	0.5
Freon 114	21-FEB-08 00:43	2.9	ND	µg/m³		1	3.5
Vinyl Chloride	21-FEB-08 00:43	0.443	ND	ppb v/v		1	0.5
Vinyl Chloride	21-FEB-08 00:43	1.1	ND	µg/m³		1	1.3
1,3-Butadiene	21-FEB-08 00:43	0.338	ND	ppb v/v		1	0.5
1,3-Butadiene	21-FEB-08 00:43	0.75	ND	µg/m³		1	1.1
Bromomethane	21-FEB-08 00:43	0.326	ND	ppb v/v		1	0.5
Bromomethane	21-FEB-08 00:43	1.3	ND	µg/m³		1	1.9
Chloroethane	21-FEB-08 00:43	0.267	ND	ppb v/v		1	0.5
Chloroethane	21-FEB-08 00:43	0.70	ND	µg/m³		1	1.3
Freon 11	21-FEB-08 00:43	0.384	ND	ppb v/v		1	0.5
Freon 11	21-FEB-08 00:43	2.2	ND	µg/m³		1	2.8
cis-1,2-Dichloroethene	21-FEB-08 00:43	0.387	ND	ppb v/v		1	0.5
cis-1,2-Dichloroethene	21-FEB-08 00:43	1.5	ND	µg/m³		1	2.0
Carbon Disulfide	21-FEB-08 00:43	0.388	ND	ppb v/v		1	0.5
Carbon Disulfide	21-FEB-08 00:43	1.2	ND	µg/m³		1	1.6
Freon 113	21-FEB-08 00:43	0.369	ND	ppb v/v		1	0.5
Freon 113	21-FEB-08 00:43	2.8	ND	µg/m³		1	3.8
Acetone	21-FEB-08 00:43	0.195	7.3	ppb v/v		1	0.5
Acetone	21-FEB-08 00:43	0.46	17.	µg/m³		1	1.2
Methylene Chloride	21-FEB-08 00:43	0.339	ND	ppb v/v		1	0.5
Methylene Chloride	21-FEB-08 00:43	1.2	ND	µg/m³		1	1.7
trans-1,2-Dichloroethene	21-FEB-08 00:43	0.437	ND	ppb v/v		1	0.5
trans-1,2-Dichloroethene	21-FEB-08 00:43	1.7	ND	µg/m³		1	2.0
1,1-Dichloroethane	21-FEB-08 00:43	0.355	ND	ppb v/v		1	0.5
1,1-Dichloroethane	21-FEB-08 00:43	1.4	ND	µg/m³		1	2.0
Methyl t-Butyl Ether	21-FEB-08 00:43	0.255	ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	21-FEB-08 00:43	0.92	ND	µg/m³		1	1.8
Vinyl Acetate	21-FEB-08 00:43	0.222	ND	ppb v/v		1	0.5
Vinyl Acetate	21-FEB-08 00:43	0.78	ND	µg/m³		1	1.8
1,1-Dichloroethene	21-FEB-08 00:43	0.390	ND	ppb v/v		1	0.5
1,1-Dichloroethene	21-FEB-08 00:43	1.5	ND	µg/m³		1	2.0
2-Butanone	21-FEB-08 00:43	0.248	ND	ppb v/v		1	0.5
2-Butanone	21-FEB-08 00:43	0.73	ND	µg/m³		1	1.5
Ethyl Acetate	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
Ethyl Acetate	21-FEB-08 00:43	0.94	ND	µg/m³		1	1.8
Hexane	21-FEB-08 00:43	0.261	0.45	ppb v/v	J	1	0.5

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L01H

Date Printed.....: 27-FEB-08 11:00
Client Name.....: URS Operating Services, Inc.

DCL Sample Name...: **08C00039**
DCL Report Group..: **08C-0007-01**

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Hexane	21-FEB-08 00:43	0.92	1.6	µg/m³	J	1	1.8
Chloroform	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
Chloroform	21-FEB-08 00:43	1.3	ND	µg/m³		1	2.4
1,1,1-Trichloroethane	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
1,1,1-Trichloroethane	21-FEB-08 00:43	1.4	ND	µg/m³		1	2.7
Carbon Tetrachloride	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
Carbon Tetrachloride	21-FEB-08 00:43	1.6	ND	µg/m³		1	3.1
Benzene	21-FEB-08 00:43	0.261	0.36	ppb v/v	J	1	0.5
Benzene	21-FEB-08 00:43	0.83	1.1	µg/m³	J	1	1.6
Tetrahydrofuran	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
Tetrahydrofuran	21-FEB-08 00:43	0.77	ND	µg/m³		1	1.5
1,2-Dichloroethane	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
1,2-Dichloroethane	21-FEB-08 00:43	1.1	ND	µg/m³		1	2.0
Cyclohexane	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
Cyclohexane	21-FEB-08 00:43	0.90	ND	µg/m³		1	1.7
Trichloroethene	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
Trichloroethene	21-FEB-08 00:43	1.4	ND	µg/m³		1	2.7
1,2-Dichloropropane	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
1,2-Dichloropropane	21-FEB-08 00:43	1.2	ND	µg/m³		1	2.3
Bromodichloromethane	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
Bromodichloromethane	21-FEB-08 00:43	1.7	ND	µg/m³		1	3.3
Heptane	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
Heptane	21-FEB-08 00:43	1.1	ND	µg/m³		1	2.0
cis-1,3-Dichloropropene	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
cis-1,3-Dichloropropene	21-FEB-08 00:43	1.2	ND	µg/m³		1	2.3
4-Methyl-2-Pentanone	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	21-FEB-08 00:43	1.1	ND	µg/m³		1	2.0
Toluene	21-FEB-08 00:43	0.261	1.9	ppb v/v		1	0.5
Toluene	21-FEB-08 00:43	0.98	7.1	µg/m³		1	1.9
trans-1,3-Dichloropropene	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	21-FEB-08 00:43	1.2	ND	µg/m³		1	2.3
1,1,2-Trichloroethane	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	21-FEB-08 00:43	1.4	ND	µg/m³		1	2.7
Tetrachloroethene	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
Tetrachloroethene	21-FEB-08 00:43	1.8	ND	µg/m³		1	3.4
2-Hexanone	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
2-Hexanone	21-FEB-08 00:43	1.1	ND	µg/m³		1	2.0
Dibromochloromethane	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
Dibromochloromethane	21-FEB-08 00:43	2.2	ND	µg/m³		1	4.2
1,2-Dibromoethane	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
1,2-Dibromoethane	21-FEB-08 00:43	2.0	ND	µg/m³		1	3.8
Chlorobenzene	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
Chlorobenzene	21-FEB-08 00:43	1.2	ND	µg/m³		1	2.3
Ethylbenzene	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
Ethylbenzene	21-FEB-08 00:43	1.1	ND	µg/m³		1	2.2
m,p-Xylene	21-FEB-08 00:43	0.261	0.32	ppb v/v	J	1	0.5
m,p-Xylene	21-FEB-08 00:43	1.1	1.4	µg/m³	J	1	2.2
o-Xylene	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
o-Xylene	21-FEB-08 00:43	1.1	ND	µg/m³		1	2.2
Styrene	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
Styrene	21-FEB-08 00:43	1.1	ND	µg/m³		1	2.1
Bromoform	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
Bromoform	21-FEB-08 00:43	2.7	ND	µg/m³		1	5.1
1,1,2,2-Tetrachloroethane	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
1,1,2,2-Tetrachloroethane	21-FEB-08 00:43	1.8	ND	µg/m³		1	3.4
Benzyl Chloride	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
Benzyl Chloride	21-FEB-08 00:43	1.4	ND	µg/m³		1	2.6
4-Ethyl toluene	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L01H

Date Printed.....: 27-FEB-08 11:00
Client Name.....: URS Operating Services, Inc.

DCL Sample Name...: **08C00039**
DCL Report Group..: **08C-0007-01**

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
4-Ethyl toluene	21-FEB-08 00:43	1.3	ND	µg/m³		1	2.5
1,3,5-Trimethylbenzene	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
1,3,5-Trimethylbenzene	21-FEB-08 00:43	1.3	ND	µg/m³		1	2.5
1,2,4-Trimethylbenzene	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
1,2,4-Trimethylbenzene	21-FEB-08 00:43	1.3	ND	µg/m³		1	2.5
1,3-Dichlorobenzene	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
1,3-Dichlorobenzene	21-FEB-08 00:43	1.6	ND	µg/m³		1	3.0
1,4-Dichlorobenzene	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
1,4-Dichlorobenzene	21-FEB-08 00:43	1.6	ND	µg/m³		1	3.0
1,2-Dichlorobenzene	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
1,2-Dichlorobenzene	21-FEB-08 00:43	1.6	ND	µg/m³		1	3.0
1,2,4-Trichlorobenzene	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
1,2,4-Trichlorobenzene	21-FEB-08 00:43	1.9	ND	µg/m³		1	3.7
Hexachlorobutadiene	21-FEB-08 00:43	0.261	ND	ppb v/v		1	0.5
Hexachlorobutadiene	21-FEB-08 00:43	2.8	ND	µg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Isobutane(4.40)	21-FEB-08 00:43	3.5	ppb v/v	J	1
Butane(4.67)	21-FEB-08 00:43	3.5	ppb v/v	J	1
Ethanol(5.19)	21-FEB-08 00:43	28.	ppb v/v	J	1
Limonene(17.15)	21-FEB-08 00:43	21.	ppb v/v	J	1

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DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

S081L01D

SAMPLE ANALYSIS DATA SHEET

Date Printed.....: 27-FEB-08 11:00

Client Name.....: URS Operating Services, Inc.
Client Ref Number....: OS-08-P-9773
Sampling Site.....: 36548526.00000
Release Number.....: OS-08-P-9773

Date Received.....: 16-FEB-08 00:00

Client Sample Name: **MDIA05|108867**
DCL Sample Name...: **08C00036**
DCL Report Group..: **08C-0007-01**

Matrix.....: SUMMA
Date Sampled.....: 14-FEB-08 11:21
Reporting Units...: ppb v/v
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: Not Applicable
Preparation Method...: Not Applicable
Aliquot Weight/Volume: 200 mL
Net Weight/Volume....: Not Required

DCL Analysis Group: G081N007
Analysis Method....: TO-15
Instrument Type....: GC/MS VO
Instrument ID.....: 5972-W
Column Type.....: DB-1
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Dichlorodifluoromethane	20-FEB-08 20:36	0.432	0.49	ppb v/v	J	1	0.5
Dichlorodifluoromethane	20-FEB-08 20:36	2.1	2.4	µg/m³	J	1	2.5
Chloromethane	20-FEB-08 20:36	0.405	0.53	ppb v/v		1	0.5
Chloromethane	20-FEB-08 20:36	0.84	1.1	µg/m³		1	1.0
Freon 114	20-FEB-08 20:36	0.409	ND	ppb v/v		1	0.5
Freon 114	20-FEB-08 20:36	2.9	ND	µg/m³		1	3.5
Vinyl Chloride	20-FEB-08 20:36	0.443	ND	ppb v/v		1	0.5
Vinyl Chloride	20-FEB-08 20:36	1.1	ND	µg/m³		1	1.3
1,3-Butadiene	20-FEB-08 20:36	0.338	ND	ppb v/v		1	0.5
1,3-Butadiene	20-FEB-08 20:36	0.75	ND	µg/m³		1	1.1
Bromomethane	20-FEB-08 20:36	0.326	ND ℓ	ppb v/v		1	0.5
Bromomethane	20-FEB-08 20:36	1.3	ND	µg/m³		1	1.9
Chloroethane	20-FEB-08 20:36	0.267	ND	ppb v/v		1	0.5
Chloroethane	20-FEB-08 20:36	0.70	ND	µg/m³		1	1.3
Freon 11	20-FEB-08 20:36	0.384	ND	ppb v/v		1	0.5
Freon 11	20-FEB-08 20:36	2.2	ND	µg/m³		1	2.8
cis-1,2-Dichloroethene	20-FEB-08 20:36	0.387	ND	ppb v/v		1	0.5
cis-1,2-Dichloroethene	20-FEB-08 20:36	1.5	ND	µg/m³		1	2.0
Carbon Disulfide	20-FEB-08 20:36	0.388	ND	ppb v/v		1	0.5
Carbon Disulfide	20-FEB-08 20:36	1.2	ND	µg/m³		1	1.6
Freon 113	20-FEB-08 20:36	0.369	ND	ppb v/v		1	0.5
Freon 113	20-FEB-08 20:36	2.8	ND	µg/m³		1	3.8
Acetone	20-FEB-08 20:36	0.195	5.7	ppb v/v		1	0.5
Acetone	20-FEB-08 20:36	0.46	14.	µg/m³		1	1.2
Methylene Chloride	20-FEB-08 20:36	0.339	ND	ppb v/v		1	0.5
Methylene Chloride	20-FEB-08 20:36	1.2	ND	µg/m³		1	1.7
trans-1,2-Dichloroethene	20-FEB-08 20:36	0.437	ND	ppb v/v		1	0.5
trans-1,2-Dichloroethene	20-FEB-08 20:36	1.7	ND	µg/m³		1	2.0
1,1-Dichloroethane	20-FEB-08 20:36	0.355	ND	ppb v/v		1	0.5
1,1-Dichloroethane	20-FEB-08 20:36	1.4	ND	µg/m³		1	2.0
Methyl t-Butyl Ether	20-FEB-08 20:36	0.255	ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	20-FEB-08 20:36	0.92	ND	µg/m³		1	1.8
Vinyl Acetate	20-FEB-08 20:36	0.222	ND	ppb v/v		1	0.5
Vinyl Acetate	20-FEB-08 20:36	0.78	ND	µg/m³		1	1.8
1,1-Dichloroethene	20-FEB-08 20:36	0.390	ND	ppb v/v		1	0.5
1,1-Dichloroethene	20-FEB-08 20:36	1.5	ND	µg/m³		1	2.0
2-Butanone	20-FEB-08 20:36	0.248	ND	ppb v/v		1	0.5
2-Butanone	20-FEB-08 20:36	0.73	ND	µg/m³		1	1.5
Ethyl Acetate	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
Ethyl Acetate	20-FEB-08 20:36	0.94	ND	µg/m³		1	1.8
Hexane	20-FEB-08 20:36	0.261	0.63	ppb v/v		1	0.5

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L01D

Date Printed.....: 27-FEB-08 11:00
Client Name.....: URS Operating Services, Inc.

DCL Sample Name...: 08C00036
DCL Report Group...: 08C-0007-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Hexane	20-FEB-08 20:36	0.92	2.2	µg/m³		1	1.8
Chloroform	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
Chloroform	20-FEB-08 20:36	1.3	ND	µg/m³		1	2.4
1,1,1-Trichloroethane	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
1,1,1-Trichloroethane	20-FEB-08 20:36	1.4	ND	µg/m³		1	2.7
Carbon Tetrachloride	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
Carbon Tetrachloride	20-FEB-08 20:36	1.6	ND	µg/m³		1	3.1
Benzene	20-FEB-08 20:36	0.261	0.32	ppb v/v	J	1	0.5
Benzene	20-FEB-08 20:36	0.83	1.0	µg/m³	J	1	1.6
Tetrahydrofuran	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
Tetrahydrofuran	20-FEB-08 20:36	0.77	ND	µg/m³		1	1.5
1,2-Dichloroethane	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
1,2-Dichloroethane	20-FEB-08 20:36	1.1	ND	µg/m³		1	2.0
Cyclohexane	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
Cyclohexane	20-FEB-08 20:36	0.90	ND	µg/m³		1	1.7
Trichloroethene	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
Trichloroethene	20-FEB-08 20:36	1.4	ND	µg/m³		1	2.7
1,2-Dichloropropane	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
1,2-Dichloropropane	20-FEB-08 20:36	1.2	ND	µg/m³		1	2.3
Bromodichloromethane	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
Bromodichloromethane	20-FEB-08 20:36	1.7	ND	µg/m³		1	3.3
Heptane	20-FEB-08 20:36	0.261	0.37	ppb v/v	J	1	0.5
Heptane	20-FEB-08 20:36	1.1	1.5	µg/m³	J	1	2.0
cis-1,3-Dichloropropene	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
cis-1,3-Dichloropropene	20-FEB-08 20:36	1.2	ND	µg/m³		1	2.3
4-Methyl-2-Pentanone	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	20-FEB-08 20:36	1.1	ND	µg/m³		1	2.0
Toluene	20-FEB-08 20:36	0.261	2.7	ppb v/v		1	0.5
Toluene	20-FEB-08 20:36	0.98	10.	µg/m³		1	1.9
trans-1,3-Dichloropropene	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	20-FEB-08 20:36	1.2	ND	µg/m³		1	2.3
1,1,2-Trichloroethane	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	20-FEB-08 20:36	1.4	ND	µg/m³		1	2.7
Tetrachloroethene	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
Tetrachloroethene	20-FEB-08 20:36	1.8	ND	µg/m³		1	3.4
2-Hexanone	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
2-Hexanone	20-FEB-08 20:36	1.1	ND	µg/m³		1	2.0
Dibromochloromethane	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
Dibromochloromethane	20-FEB-08 20:36	2.2	ND	µg/m³		1	4.2
1,2-Dibromoethane	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
1,2-Dibromoethane	20-FEB-08 20:36	2.0	ND	µg/m³		1	3.8
Chlorobenzene	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
Chlorobenzene	20-FEB-08 20:36	1.2	ND	µg/m³		1	2.3
Ethylbenzene	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
Ethylbenzene	20-FEB-08 20:36	1.1	ND	µg/m³		1	2.2
m,p-Xylene	20-FEB-08 20:36	0.261	0.97	ppb v/v		1	0.5
m,p-Xylene	20-FEB-08 20:36	1.1	4.2	µg/m³		1	2.2
o-Xylene	20-FEB-08 20:36	0.261	0.37	ppb v/v	J	1	0.5
o-Xylene	20-FEB-08 20:36	1.1	1.6	µg/m³	J	1	2.2
Styrene	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
Styrene	20-FEB-08 20:36	1.1	ND	µg/m³		1	2.1
Bromoform	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
Bromoform	20-FEB-08 20:36	2.7	ND	µg/m³		1	5.1
1,1,2,2-Tetrachloroethane	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
1,1,2,2-Tetrachloroethane	20-FEB-08 20:36	1.8	ND	µg/m³		1	3.4
Benzyl Chloride	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
Benzyl Chloride	20-FEB-08 20:36	1.4	ND	µg/m³		1	2.6
4-Ethyl toluene	20-FEB-08 20:36	0.261	0.30	ppb v/v	J	1	0.5

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DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L01D

Date Printed.....: 27-FEB-08 11:00
Client Name.....: URS Operating Services, Inc.

DCL Sample Name...: **08C00036**
DCL Report Group..: **08C-0007-01**

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
4-Ethyl toluene	20-FEB-08 20:36	1.3	1.5	µg/m³	J	1	2.5
1,3,5-Trimethylbenzene	20-FEB-08 20:36	0.261	0.53	ppb v/v		1	0.5
1,3,5-Trimethylbenzene	20-FEB-08 20:36	1.3	2.6	µg/m³		1	2.5
1,2,4-Trimethylbenzene	20-FEB-08 20:36	0.261	1.4	ppb v/v		1	0.5
1,2,4-Trimethylbenzene	20-FEB-08 20:36	1.3	6.8	µg/m³		1	2.5
1,3-Dichlorobenzene	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
1,3-Dichlorobenzene	20-FEB-08 20:36	1.6	ND	µg/m³		1	3.0
1,4-Dichlorobenzene	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
1,4-Dichlorobenzene	20-FEB-08 20:36	1.6	ND	µg/m³		1	3.0
1,2-Dichlorobenzene	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
1,2-Dichlorobenzene	20-FEB-08 20:36	1.6	ND	µg/m³		1	3.0
1,2,4-Trichlorobenzene	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
1,2,4-Trichlorobenzene	20-FEB-08 20:36	1.9	ND	µg/m³		1	3.7
Hexachlorobutadiene	20-FEB-08 20:36	0.261	ND	ppb v/v		1	0.5
Hexachlorobutadiene	20-FEB-08 20:36	2.8	ND	µg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Isobutane(4.41)	20-FEB-08 20:36	6.1	ppb v/v	J	1
Butane(4.68)	20-FEB-08 20:36	4.8	ppb v/v	J	1
Ethanol(5.23)	20-FEB-08 20:36	5.6	ppb v/v	J	1
Butane, 2-methyl-(5.56)	20-FEB-08 20:36	2.6	ppb v/v	J	1
Isopropyl Alcohol(5.92)	20-FEB-08 20:36	0.81	ppb v/v	J	1
Nonane(14.76)	20-FEB-08 20:36	6.0	ppb v/v	J	1
Cyclohexane, propyl-(15.47)	20-FEB-08 20:36	4.5	ppb v/v	J	1
Nonane, 3-methyl-(16.10)	20-FEB-08 20:36	3.4	ppb v/v	J	1
Decane(16.58)	20-FEB-08 20:36	13.	ppb v/v	J	1
Decane, 4-methyl-(17.01)	20-FEB-08 20:36	4.5	ppb v/v	J	1
Cyclohexane, (1-methylpropyl)-(17.30)	20-FEB-08 20:36	5.1	ppb v/v	J	1
Decane, 2-methyl-(17.68)	20-FEB-08 20:36	5.0	ppb v/v	J	1
Decane, 3-methyl-(17.80)	20-FEB-08 20:36	4.4	ppb v/v	J	1
Undecane(18.25)	20-FEB-08 20:36	8.0	ppb v/v	J	1

DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L018

Date Printed.....: 27-FEB-08 11:00

Client Name.....: URS Operating Services, Inc.
Client Ref Number....: OS-08-P-9773
Sampling Site.....: 36548526.00000
Release Number.....: OS-08-P-9773

Date Received.....: 16-FEB-08 09:00

Client Sample Name: **MDIA06|108890**
DCL Sample Name...: **08C00032**
DCL Report Group..: **08C-0007-01**

Matrix.....: SUMMA
Date Sampled.....: 14-FEB-08 11:36
Reporting Units...: ppb v/v
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: Not Applicable
Preparation Method...: Not Applicable
Aliquot Weight/Volume: 200 mL
Net Weight/Volume....: Not Required

DCL Analysis Group: G081N007
Analysis Method...: TO-15
Instrument Type...: GC/MS VO
Instrument ID.....: 5972-W
Column Type.....: DB-1
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Dichlorodifluoromethane	20-FEB-08 15:24	0.432	0.53	ppb v/v		1	0.5
Dichlorodifluoromethane	20-FEB-08 15:24	2.1	2.6	µg/m³		1	2.5
Chloromethane	20-FEB-08 15:24	0.405	0.46	ppb v/v	J	1	0.5
Chloromethane	20-FEB-08 15:24	0.84	0.94	µg/m³	J	1	1.0
Freon 114	20-FEB-08 15:24	0.409	ND	ppb v/v		1	0.5
Freon 114	20-FEB-08 15:24	2.9	ND	µg/m³		1	3.5
Vinyl Chloride	20-FEB-08 15:24	0.443	ND	ppb v/v		1	0.5
Vinyl Chloride	20-FEB-08 15:24	1.1	ND	µg/m³		1	1.3
1,3-Butadiene	20-FEB-08 15:24	0.338	ND	ppb v/v		1	0.5
1,3-Butadiene	20-FEB-08 15:24	0.75	ND	µg/m³		1	1.1
Bromomethane	20-FEB-08 15:24	0.326	ND	ppb v/v		1	0.5
Bromomethane	20-FEB-08 15:24	1.3	ND	µg/m³		1	1.9
Chloroethane	20-FEB-08 15:24	0.267	ND	ppb v/v		1	0.5
Chloroethane	20-FEB-08 15:24	0.70	ND	µg/m³		1	1.3
Freon 11	20-FEB-08 15:24	0.384	ND	ppb v/v		1	0.5
Freon 11	20-FEB-08 15:24	2.2	ND	µg/m³		1	2.8
cis-1,2-Dichloroethene	20-FEB-08 15:24	0.387	ND	ppb v/v		1	0.5
cis-1,2-Dichloroethene	20-FEB-08 15:24	1.5	ND	µg/m³		1	2.0
Carbon Disulfide	20-FEB-08 15:24	0.388	ND	ppb v/v		1	0.5
Carbon Disulfide	20-FEB-08 15:24	1.2	ND	µg/m³		1	1.6
Freon 113	20-FEB-08 15:24	0.369	ND	ppb v/v		1	0.5
Freon 113	20-FEB-08 15:24	2.8	ND	µg/m³		1	3.8
Acetone	20-FEB-08 15:24	0.195	1.7	ppb v/v		1	0.5
Acetone	20-FEB-08 15:24	0.46	4.0	µg/m³		1	1.2
Methylene Chloride	20-FEB-08 15:24	0.339	ND	ppb v/v		1	0.5
Methylene Chloride	20-FEB-08 15:24	1.2	ND	µg/m³		1	1.7
trans-1,2-Dichloroethene	20-FEB-08 15:24	0.437	ND	ppb v/v		1	0.5
trans-1,2-Dichloroethene	20-FEB-08 15:24	1.7	ND	µg/m³		1	2.0
1,1-Dichloroethane	20-FEB-08 15:24	0.355	ND	ppb v/v		1	0.5
1,1-Dichloroethane	20-FEB-08 15:24	1.4	ND	µg/m³		1	2.0
Methyl t-Butyl Ether	20-FEB-08 15:24	0.255	ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	20-FEB-08 15:24	0.92	ND	µg/m³		1	1.8
Vinyl Acetate	20-FEB-08 15:24	0.222	ND	ppb v/v		1	0.5
Vinyl Acetate	20-FEB-08 15:24	0.78	ND	µg/m³		1	1.8
1,1-Dichloroethene	20-FEB-08 15:24	0.390	ND	ppb v/v		1	0.5
1,1-Dichloroethene	20-FEB-08 15:24	1.5	ND	µg/m³		1	2.0
2-Butanone	20-FEB-08 15:24	0.248	ND	ppb v/v		1	0.5
2-Butanone	20-FEB-08 15:24	0.73	ND	µg/m³		1	1.5
Ethyl Acetate	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
Ethyl Acetate	20-FEB-08 15:24	0.94	ND	µg/m³		1	1.8
Hexane	20-FEB-08 15:24	0.261	0.60	ppb v/v		1	0.5

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4
0227081100015
Page 4

S081L018

Date Printed.....: 27-FEB-08 11:00
Client Name.....: URS Operating Services, Inc.

DCL Sample Name...: 08C00032
DCL Report Group..: 08C-0007-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Hexane	20-FEB-08 15:24	0.92	2.1	µg/m³		1	1.8
Chloroform	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
Chloroform	20-FEB-08 15:24	1.3	ND	µg/m³		1	2.4
1,1,1-Trichloroethane	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
1,1,1-Trichloroethane	20-FEB-08 15:24	1.4	ND	µg/m³		1	2.7
Carbon Tetrachloride	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
Carbon Tetrachloride	20-FEB-08 15:24	1.6	ND	µg/m³		1	3.1
Benzene	20-FEB-08 15:24	0.261	0.36	ppb v/v	J	1	0.5
Benzene	20-FEB-08 15:24	0.83	1.1	µg/m³	J	1	1.6
Tetrahydrofuran	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
Tetrahydrofuran	20-FEB-08 15:24	0.77	ND	µg/m³		1	1.5
1,2-Dichloroethane	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
1,2-Dichloroethane	20-FEB-08 15:24	1.1	ND	µg/m³		1	2.0
Cyclohexane	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
Cyclohexane	20-FEB-08 15:24	0.90	ND	µg/m³		1	1.7
Trichloroethene	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
Trichloroethene	20-FEB-08 15:24	1.4	ND	µg/m³		1	2.7
1,2-Dichloropropane	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
1,2-Dichloropropane	20-FEB-08 15:24	1.2	ND	µg/m³		1	2.3
Bromodichloromethane	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
Bromodichloromethane	20-FEB-08 15:24	1.7	ND	µg/m³		1	3.3
Heptane	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
Heptane	20-FEB-08 15:24	1.1	ND	µg/m³		1	2.0
cis-1,3-Dichloropropene	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
cis-1,3-Dichloropropene	20-FEB-08 15:24	1.2	ND	µg/m³		1	2.3
4-Methyl-2-Pentanone	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	20-FEB-08 15:24	1.1	ND	µg/m³		1	2.0
Toluene	20-FEB-08 15:24	0.261	0.72	ppb v/v		1	0.5
Toluene	20-FEB-08 15:24	0.98	2.7	µg/m³		1	1.9
trans-1,3-Dichloropropene	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	20-FEB-08 15:24	1.2	ND	µg/m³		1	2.3
1,1,2-Trichloroethane	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	20-FEB-08 15:24	1.4	ND	µg/m³		1	2.7
Tetrachloroethene	20-FEB-08 15:24	0.261	0.30	ppb v/v	J	1	0.5
Tetrachloroethene	20-FEB-08 15:24	1.8	2.0	µg/m³	J	1	3.4
2-Hexanone	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
2-Hexanone	20-FEB-08 15:24	1.1	ND	µg/m³		1	2.0
Dibromochloromethane	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
Dibromochloromethane	20-FEB-08 15:24	2.2	ND	µg/m³		1	4.2
1,2-Dibromoethane	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
1,2-Dibromoethane	20-FEB-08 15:24	2.0	ND	µg/m³		1	3.8
Chlorobenzene	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
Chlorobenzene	20-FEB-08 15:24	1.2	ND	µg/m³		1	2.3
Ethylbenzene	20-FEB-08 15:24	0.261	0.37	ppb v/v	J	1	0.5
Ethylbenzene	20-FEB-08 15:24	1.1	1.6	µg/m³	J	1	2.2
m,p-Xylene	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
m,p-Xylene	20-FEB-08 15:24	1.1	ND	µg/m³		1	2.2
o-Xylene	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
o-Xylene	20-FEB-08 15:24	1.1	ND	µg/m³		1	2.2
Styrene	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
Styrene	20-FEB-08 15:24	1.1	ND	µg/m³		1	2.1
Bromoform	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
Bromoform	20-FEB-08 15:24	2.7	ND	µg/m³		1	5.1
1,1,2,2-Tetrachloroethane	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
1,1,2,2-Tetrachloroethane	20-FEB-08 15:24	1.8	ND	µg/m³		1	3.4
Benzyl Chloride	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
Benzyl Chloride	20-FEB-08 15:24	1.4	ND	µg/m³		1	2.6
4-Ethyl toluene	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5

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DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L018

Date Printed.....: 27-FEB-08 11:00
Client Name.....: URS Operating Services, Inc.

DCL Sample Name...: 08C00032
DCL Report Group..: 08C-0007-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
4-Ethyl toluene	20-FEB-08 15:24	1.3	ND	µg/m³		1	2.5
1,3,5-Trimethylbenzene	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
1,3,5-Trimethylbenzene	20-FEB-08 15:24	1.3	ND	µg/m³		1	2.5
1,2,4-Trimethylbenzene	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
1,2,4-Trimethylbenzene	20-FEB-08 15:24	1.3	ND	µg/m³		1	2.5
1,3-Dichlorobenzene	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
1,3-Dichlorobenzene	20-FEB-08 15:24	1.6	ND	µg/m³		1	3.0
1,4-Dichlorobenzene	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
1,4-Dichlorobenzene	20-FEB-08 15:24	1.6	ND	µg/m³		1	3.0
1,2-Dichlorobenzene	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
1,2-Dichlorobenzene	20-FEB-08 15:24	1.6	ND	µg/m³		1	3.0
1,2,4-Trichlorobenzene	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
1,2,4-Trichlorobenzene	20-FEB-08 15:24	1.9	ND	µg/m³		1	3.7
Hexachlorobutadiene	20-FEB-08 15:24	0.261	ND	ppb v/v		1	0.5
Hexachlorobutadiene	20-FEB-08 15:24	2.8	ND	µg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Isobutane(4.40)	20-FEB-08 15:24	5.4	ppb v/v	J	1
Butane(4.68)	20-FEB-08 15:24	5.6	ppb v/v	J	1
Ethanol(5.24)	20-FEB-08 15:24	4.4	ppb v/v	J	1

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L019

Date Printed.....: 27-FEB-08 11:00

Client Name.....: URS Operating Services, Inc.
Client Ref Number....: OS-08-P-9773
Sampling Site.....: 36548526.00000
Release Number.....: OS-08-P-9773

Date Received.....: 16-FEB-08 00:00

Client Sample Name: **MDIA07|108815**
DCL Sample Name...: **08C00033**
DCL Report Group..: **08C-0007-01**

Matrix.....: SUMMA
Date Sampled.....: 14-FEB-08 13:37
Reporting Units...: ppb v/v
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: Not Applicable
Preparation Method...: Not Applicable
Aliquot Weight/Volume: 200 mL
Net Weight/Volume....: Not Required

DCL Analysis Group: G081N007
Analysis Method...: TO-15
Instrument Type...: GC/MS VO
Instrument ID.....: 5972-W
Column Type.....: DB-1
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Dichlorodifluoromethane	20-FEB-08 16:41	0.432	0.54	ppb v/v		1	0.5
Dichlorodifluoromethane	20-FEB-08 16:41	2.1	2.6	µg/m³		1	2.5
Chloromethane	20-FEB-08 16:41	0.405	0.52	ppb v/v		1	0.5
Chloromethane	20-FEB-08 16:41	0.84	1.1	µg/m³		1	1.0
Freon 114	20-FEB-08 16:41	0.409	ND	ppb v/v		1	0.5
Freon 114	20-FEB-08 16:41	2.9	ND	µg/m³		1	3.5
Vinyl Chloride	20-FEB-08 16:41	0.443	ND	ppb v/v		1	0.5
Vinyl Chloride	20-FEB-08 16:41	1.1	ND	µg/m³		1	1.3
1,3-Butadiene	20-FEB-08 16:41	0.338	ND	ppb v/v		1	0.5
1,3-Butadiene	20-FEB-08 16:41	0.75	ND	µg/m³		1	1.1
Bromomethane	20-FEB-08 16:41	0.326	ND	ppb v/v		1	0.5
Bromomethane	20-FEB-08 16:41	1.3	ND	µg/m³		1	1.9
Chloroethane	20-FEB-08 16:41	0.267	ND	ppb v/v		1	0.5
Chloroethane	20-FEB-08 16:41	0.70	ND	µg/m³		1	1.3
Freon 11	20-FEB-08 16:41	0.384	ND	ppb v/v		1	0.5
Freon 11	20-FEB-08 16:41	2.2	ND	µg/m³		1	2.8
cis-1,2-Dichloroethene	20-FEB-08 16:41	0.387	ND	ppb v/v		1	0.5
cis-1,2-Dichloroethene	20-FEB-08 16:41	1.5	ND	µg/m³		1	2.0
Carbon Disulfide	20-FEB-08 16:41	0.388	ND	ppb v/v		1	0.5
Carbon Disulfide	20-FEB-08 16:41	1.2	ND	µg/m³		1	1.6
Freon 113	20-FEB-08 16:41	0.369	ND	ppb v/v		1	0.5
Freon 113	20-FEB-08 16:41	2.8	ND	µg/m³		1	3.8
Acetone	20-FEB-08 16:41	0.195	9.1	ppb v/v		1	0.5
Acetone	20-FEB-08 16:41	0.46	22.	µg/m³		1	1.2
Methylene Chloride	20-FEB-08 16:41	0.339	ND	ppb v/v		1	0.5
Methylene Chloride	20-FEB-08 16:41	1.2	ND	µg/m³		1	1.7
trans-1,2-Dichloroethene	20-FEB-08 16:41	0.437	ND	ppb v/v		1	0.5
trans-1,2-Dichloroethene	20-FEB-08 16:41	1.7	ND	µg/m³		1	2.0
1,1-Dichloroethane	20-FEB-08 16:41	0.355	ND	ppb v/v		1	0.5
1,1-Dichloroethane	20-FEB-08 16:41	1.4	ND	µg/m³		1	2.0
Methyl t-Butyl Ether	20-FEB-08 16:41	0.255	ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	20-FEB-08 16:41	0.92	ND	µg/m³		1	1.8
Vinyl Acetate	20-FEB-08 16:41	0.222	ND	ppb v/v		1	0.5
Vinyl Acetate	20-FEB-08 16:41	0.78	ND	µg/m³		1	1.8
1,1-Dichloroethene	20-FEB-08 16:41	0.390	ND	ppb v/v		1	0.5
1,1-Dichloroethene	20-FEB-08 16:41	1.5	ND	µg/m³		1	2.0
2-Butanone	20-FEB-08 16:41	0.248	1.5	ppb v/v		1	0.5
2-Butanone	20-FEB-08 16:41	0.73	4.6	µg/m³		1	1.5
Ethyl Acetate	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
Ethyl Acetate	20-FEB-08 16:41	0.94	ND	µg/m³		1	1.8
Hexane	20-FEB-08 16:41	0.261	0.35	ppb v/v	J	1	0.5

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L019

Date Printed.....: 27-FEB-08 11:00
Client Name.....: URS Operating Services, Inc.

DCL Sample Name...: 08C00033
DCL Report Group..: 08C-0007-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Hexane	20-FEB-08 16:41	0.92	1.2	µg/m³	J	1	1.8
Chloroform	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
Chloroform	20-FEB-08 16:41	1.3	ND	µg/m³		1	2.4
1,1,1-Trichloroethane	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
1,1,1-Trichloroethane	20-FEB-08 16:41	1.4	ND	µg/m³		1	2.7
Carbon Tetrachloride	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
Carbon Tetrachloride	20-FEB-08 16:41	1.6	ND	µg/m³		1	3.1
Benzene	20-FEB-08 16:41	0.261	0.32	ppb v/v	J	1	0.5
Benzene	20-FEB-08 16:41	0.83	1.0	µg/m³	J	1	1.6
Tetrahydrofuran	20-FEB-08 16:41	0.261	0.47	ppb v/v	J	1	0.5
Tetrahydrofuran	20-FEB-08 16:41	0.77	1.4	µg/m³	J	1	1.5
1,2-Dichloroethane	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
1,2-Dichloroethane	20-FEB-08 16:41	1.1	ND	µg/m³		1	2.0
Cyclohexane	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
Cyclohexane	20-FEB-08 16:41	0.90	ND	µg/m³		1	1.7
Trichloroethene	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
Trichloroethene	20-FEB-08 16:41	1.4	ND	µg/m³		1	2.7
1,2-Dichloropropane	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
1,2-Dichloropropane	20-FEB-08 16:41	1.2	ND	µg/m³		1	2.3
Bromodichloromethane	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
Bromodichloromethane	20-FEB-08 16:41	1.7	ND	µg/m³		1	3.3
Heptane	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
Heptane	20-FEB-08 16:41	1.1	ND	µg/m³		1	2.0
cis-1,3-Dichloropropene	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
cis-1,3-Dichloropropene	20-FEB-08 16:41	1.2	ND	µg/m³		1	2.3
4-Methyl-2-Pentanone	20-FEB-08 16:41	0.261	0.49	ppb v/v	J	1	0.5
4-Methyl-2-Pentanone	20-FEB-08 16:41	1.1	2.0	µg/m³	J	1	2.0
Toluene	20-FEB-08 16:41	0.261	2.6	ppb v/v		1	0.5
Toluene	20-FEB-08 16:41	0.98	9.7	µg/m³		1	1.9
trans-1,3-Dichloropropene	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	20-FEB-08 16:41	1.2	ND	µg/m³		1	2.3
1,1,2-Trichloroethane	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	20-FEB-08 16:41	1.4	ND	µg/m³		1	2.7
Tetrachloroethene	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
Tetrachloroethene	20-FEB-08 16:41	1.8	ND	µg/m³		1	3.4
2-Hexanone	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
2-Hexanone	20-FEB-08 16:41	1.1	ND	µg/m³		1	2.0
Dibromochloromethane	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
Dibromochloromethane	20-FEB-08 16:41	2.2	ND	µg/m³		1	4.2
1,2-Dibromoethane	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
1,2-Dibromoethane	20-FEB-08 16:41	2.0	ND	µg/m³		1	3.8
Chlorobenzene	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
Chlorobenzene	20-FEB-08 16:41	1.2	ND	µg/m³		1	2.3
Ethylbenzene	20-FEB-08 16:41	0.261	1.5	ppb v/v		1	0.5
Ethylbenzene	20-FEB-08 16:41	1.1	6.3	µg/m³		1	2.2
m,p-Xylene	20-FEB-08 16:41	0.261	4.9	ppb v/v		1	0.5
m,p-Xylene	20-FEB-08 16:41	1.1	21.	µg/m³		1	2.2
o-Xylene	20-FEB-08 16:41	0.261	1.5	ppb v/v		1	0.5
o-Xylene	20-FEB-08 16:41	1.1	6.6	µg/m³		1	2.2
Styrene	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
Styrene	20-FEB-08 16:41	1.1	ND	µg/m³		1	2.1
Bromoform	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
Bromoform	20-FEB-08 16:41	2.7	ND	µg/m³		1	5.1
1,1,2,2-Tetrachloroethane	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
1,1,2,2-Tetrachloroethane	20-FEB-08 16:41	1.8	ND	µg/m³		1	3.4
Benzyl Chloride	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
Benzyl Chloride	20-FEB-08 16:41	1.4	ND	µg/m³		1	2.6
4-Ethyl toluene	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.4
02270811000153
Page 8

S081L019

Date Printed.....: 27-FEB-08 11:00
Client Name.....: URS Operating Services, Inc.

DCL Sample Name...: **08C00033**
DCL Report Group..: **08C-0007-01**

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
4-Ethyl toluene	20-FEB-08 16:41	1.3	ND	µg/m³		1	2.5
1,3,5-Trimethylbenzene	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
1,3,5-Trimethylbenzene	20-FEB-08 16:41	1.3	ND	µg/m³		1	2.5
1,2,4-Trimethylbenzene	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
1,2,4-Trimethylbenzene	20-FEB-08 16:41	1.3	ND	µg/m³		1	2.5
1,3-Dichlorobenzene	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
1,3-Dichlorobenzene	20-FEB-08 16:41	1.6	ND	µg/m³		1	3.0
1,4-Dichlorobenzene	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
1,4-Dichlorobenzene	20-FEB-08 16:41	1.6	ND	µg/m³		1	3.0
1,2-Dichlorobenzene	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
1,2-Dichlorobenzene	20-FEB-08 16:41	1.6	ND	µg/m³		1	3.0
1,2,4-Trichlorobenzene	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
1,2,4-Trichlorobenzene	20-FEB-08 16:41	1.9	ND	µg/m³		1	3.7
Hexachlorobutadiene	20-FEB-08 16:41	0.261	ND	ppb v/v		1	0.5
Hexachlorobutadiene	20-FEB-08 16:41	2.8	ND	µg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Isobutane(4.40)	20-FEB-08 16:41	2.5	ppb v/v	J	1
Butane(4.67)	20-FEB-08 16:41	2.5	ppb v/v	J	1
Ethanol(5.18)	20-FEB-08 16:41	32.	ppb v/v	J	1

DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L01G

Date Printed.....: 27-FEB-08 11:00

Client Name.....: URS Operating Services, Inc.
Client Ref Number....: OS-08-P-9773
Sampling Site.....: 36548526.00000
Release Number.....: OS-08-P-9773

Date Received.....: 16-FEB-08 00:00

Client Sample Name: **MDIA08|108532**
DCL Sample Name...: **08C00038**
DCL Report Group..: **08C-0007-01**

Matrix.....: SUMMA
Date Sampled.....: 14-FEB-08 17:25
Reporting Units...: ppb v/v
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: Not Applicable
Date Prepared.....: Not Applicable
Preparation Method...: Not Applicable
Aliquot Weight/Volume: 200 mL
Net Weight/Volume....: Not Required

DCL Analysis Group: G081N007
Analysis Method...: TO-15
Instrument Type...: GC/MS VO
Instrument ID.....: 5972-W
Column Type.....: DB-1
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Dichlorodifluoromethane	20-FEB-08 23:20	0.432	0.52	ppb v/v		1	0.5
Dichlorodifluoromethane	20-FEB-08 23:20	2.1	2.6	µg/m³		1	2.5
Chloromethane	20-FEB-08 23:20	0.405	0.58	ppb v/v		1	0.5
Chloromethane	20-FEB-08 23:20	0.84	1.2	µg/m³		1	1.0
Freon 114	20-FEB-08 23:20	0.409	ND	ppb v/v		1	0.5
Freon 114	20-FEB-08 23:20	2.9	ND	µg/m³		1	3.5
Vinyl Chloride	20-FEB-08 23:20	0.443	ND	ppb v/v		1	0.5
Vinyl Chloride	20-FEB-08 23:20	1.1	ND	µg/m³		1	1.3
1,3-Butadiene	20-FEB-08 23:20	0.338	ND	ppb v/v		1	0.5
1,3-Butadiene	20-FEB-08 23:20	0.75	ND	µg/m³		1	1.1
Bromomethane	20-FEB-08 23:20	0.326	ND	ppb v/v		1	0.5
Bromomethane	20-FEB-08 23:20	1.3	ND	µg/m³		1	1.9
Chloroethane	20-FEB-08 23:20	0.267	ND	ppb v/v		1	0.5
Chloroethane	20-FEB-08 23:20	0.70	ND	µg/m³		1	1.3
Freon 11	20-FEB-08 23:20	0.384	ND	ppb v/v		1	0.5
Freon 11	20-FEB-08 23:20	2.2	ND	µg/m³		1	2.8
cis-1,2-Dichloroethene	20-FEB-08 23:20	0.387	ND	ppb v/v		1	0.5
cis-1,2-Dichloroethene	20-FEB-08 23:20	1.5	ND	µg/m³		1	2.0
Carbon Disulfide	20-FEB-08 23:20	0.388	ND	ppb v/v		1	0.5
Carbon Disulfide	20-FEB-08 23:20	1.2	ND	µg/m³		1	1.6
Freon 113	20-FEB-08 23:20	0.369	ND	ppb v/v		1	0.5
Freon 113	20-FEB-08 23:20	2.8	ND	µg/m³		1	3.8
Acetone	20-FEB-08 23:20	2.0	130	ppb v/v		10	5.0
Acetone	20-FEB-08 23:20	4.6	300	µg/m³		10	12.
Methylene Chloride	20-FEB-08 23:20	0.339	ND	ppb v/v		1	0.5
Methylene Chloride	20-FEB-08 23:20	1.2	ND	µg/m³		1	1.7
trans-1,2-Dichloroethene	20-FEB-08 23:20	0.437	ND	ppb v/v		1	0.5
trans-1,2-Dichloroethene	20-FEB-08 23:20	1.7	ND	µg/m³		1	2.0
1,1-Dichloroethane	20-FEB-08 23:20	0.355	ND	ppb v/v		1	0.5
1,1-Dichloroethane	20-FEB-08 23:20	1.4	ND	µg/m³		1	2.0
Methyl t-Butyl Ether	20-FEB-08 23:20	0.255	ND	ppb v/v		1	0.5
Methyl t-Butyl Ether	20-FEB-08 23:20	0.92	ND	µg/m³		1	1.8
Vinyl Acetate	20-FEB-08 23:20	0.222	ND	ppb v/v		1	0.5
Vinyl Acetate	20-FEB-08 23:20	0.78	ND	µg/m³		1	1.8
1,1-Dichloroethene	20-FEB-08 23:20	0.390	ND	ppb v/v		1	0.5
1,1-Dichloroethene	20-FEB-08 23:20	1.5	ND	µg/m³		1	2.0
2-Butanone	20-FEB-08 23:20	0.248	0.72	ppb v/v		1	0.5
2-Butanone	20-FEB-08 23:20	0.73	2.1	µg/m³		1	1.5
Ethyl Acetate	20-FEB-08 23:20	0.261	5.6	ppb v/v		1	0.5
Ethyl Acetate	20-FEB-08 23:20	0.94	20.	µg/m³		1	1.8
Hexane	20-FEB-08 23:20	0.261	0.41	ppb v/v	J	1	0.5

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L01G

Date Printed.....: 27-FEB-08 11:00
Client Name.....: URS Operating Services, Inc.

DCL Sample Name...: 08C00038
DCL Report Group..: 08C-0007-01

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
Hexane	20-FEB-08 23:20	0.92	1.4	µg/m³	J	1	1.8
Chloroform	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
Chloroform	20-FEB-08 23:20	1.3	ND	µg/m³		1	2.4
1,1,1-Trichloroethane	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
1,1,1-Trichloroethane	20-FEB-08 23:20	1.4	ND	µg/m³		1	2.7
Carbon Tetrachloride	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
Carbon Tetrachloride	20-FEB-08 23:20	1.6	ND	µg/m³		1	3.1
Benzene	20-FEB-08 23:20	0.261	0.33	ppb v/v	J	1	0.5
Benzene	20-FEB-08 23:20	0.83	1.1	µg/m³	J	1	1.6
Tetrahydrofuran	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
Tetrahydrofuran	20-FEB-08 23:20	0.77	ND	µg/m³		1	1.5
1,2-Dichloroethane	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
1,2-Dichloroethane	20-FEB-08 23:20	1.1	ND	µg/m³		1	2.0
Cyclohexane	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
Cyclohexane	20-FEB-08 23:20	0.90	ND	µg/m³		1	1.7
Trichloroethene	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
Trichloroethene	20-FEB-08 23:20	1.4	ND	µg/m³		1	2.7
1,2-Dichloropropane	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
1,2-Dichloropropane	20-FEB-08 23:20	1.2	ND	µg/m³		1	2.3
Bromodichloromethane	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
Bromodichloromethane	20-FEB-08 23:20	1.7	ND	µg/m³		1	3.3
Heptane	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
Heptane	20-FEB-08 23:20	1.1	ND	µg/m³		1	2.0
cis-1,3-Dichloropropene	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
cis-1,3-Dichloropropene	20-FEB-08 23:20	1.2	ND	µg/m³		1	2.3
4-Methyl-2-Pentanone	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
4-Methyl-2-Pentanone	20-FEB-08 23:20	1.1	ND	µg/m³		1	2.0
Toluene	20-FEB-08 23:20	0.261	1.5	ppb v/v		1	0.5
Toluene	20-FEB-08 23:20	0.98	5.6	µg/m³		1	1.9
trans-1,3-Dichloropropene	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
trans-1,3-Dichloropropene	20-FEB-08 23:20	1.2	ND	µg/m³		1	2.3
1,1,2-Trichloroethane	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
1,1,2-Trichloroethane	20-FEB-08 23:20	1.4	ND	µg/m³		1	2.7
Tetrachloroethene	20-FEB-08 23:20	0.261	0.27	ppb v/v	J	1	0.5
Tetrachloroethene	20-FEB-08 23:20	1.8	1.8	µg/m³	J	1	3.4
2-Hexanone	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
2-Hexanone	20-FEB-08 23:20	1.1	ND	µg/m³		1	2.0
Dibromochloromethane	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
Dibromochloromethane	20-FEB-08 23:20	2.2	ND	µg/m³		1	4.2
1,2-Dibromoethane	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
1,2-Dibromoethane	20-FEB-08 23:20	2.0	ND	µg/m³		1	3.8
Chlorobenzene	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
Chlorobenzene	20-FEB-08 23:20	1.2	ND	µg/m³		1	2.3
Ethylbenzene	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
Ethylbenzene	20-FEB-08 23:20	1.1	ND	µg/m³		1	2.2
m,p-Xylene	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
m,p-Xylene	20-FEB-08 23:20	1.1	ND	µg/m³		1	2.2
o-Xylene	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
o-Xylene	20-FEB-08 23:20	1.1	ND	µg/m³		1	2.2
Styrene	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
Styrene	20-FEB-08 23:20	1.1	ND	µg/m³		1	2.1
Bromoform	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
Bromoform	20-FEB-08 23:20	2.7	ND	µg/m³		1	5.1
1,1,2,2-Tetrachloroethane	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
1,1,2,2-Tetrachloroethane	20-FEB-08 23:20	1.8	ND	µg/m³		1	3.4
Benzyl Chloride	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
Benzyl Chloride	20-FEB-08 23:20	1.4	ND	µg/m³		1	2.6
4-Ethyl toluene	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S081L01G

Date Printed.....: 27-FEB-08 11:00
Client Name.....: URS Operating Services, Inc.

DCL Sample Name...: **08C00038**
DCL Report Group..: **08C-0007-01**

Analytical Results

Analyte	Date Analyzed	MDL	Result	Units	Qual.	Dilution	PQL
4-Ethyl toluene	20-FEB-08 23:20	1.3	ND	µg/m³		1	2.5
1,3,5-Trimethylbenzene	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
1,3,5-Trimethylbenzene	20-FEB-08 23:20	1.3	ND	µg/m³		1	2.5
1,2,4-Trimethylbenzene	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
1,2,4-Trimethylbenzene	20-FEB-08 23:20	1.3	ND	µg/m³		1	2.5
1,3-Dichlorobenzene	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
1,3-Dichlorobenzene	20-FEB-08 23:20	1.6	ND	µg/m³		1	3.0
1,4-Dichlorobenzene	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
1,4-Dichlorobenzene	20-FEB-08 23:20	1.6	ND	µg/m³		1	3.0
1,2-Dichlorobenzene	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
1,2-Dichlorobenzene	20-FEB-08 23:20	1.6	ND	µg/m³		1	3.0
1,2,4-Trichlorobenzene	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
1,2,4-Trichlorobenzene	20-FEB-08 23:20	1.9	ND	µg/m³		1	3.7
Hexachlorobutadiene	20-FEB-08 23:20	0.261	ND	ppb v/v		1	0.5
Hexachlorobutadiene	20-FEB-08 23:20	2.8	ND	µg/m³		1	5.3

Tentatively Identified Compound Results

Analyte(Retention Time)	Date Analyzed	Result	Units	Qual.	Dilution
Isobutane(4.41)	20-FEB-08 23:20	2.9	ppb v/v	J	1
Butane(4.68)	20-FEB-08 23:20	3.8	ppb v/v	J	1
Ethanol(5.15)	20-FEB-08 23:20	83.	ppb v/v	J	1
Isopropyl Alcohol(5.86)	20-FEB-08 23:20	8.4	ppb v/v	J	1
Butane, 2,2,3,3-tetramethyl-(10.28)	20-FEB-08 23:20	5.1	ppb v/v	J	1
Limonene(17.15)	20-FEB-08 23:20	2.3	ppb v/v	J	1

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Midtown Cleaners Site: Hapsite Data 02/15/08 mm

Location	PCE (ppb)	TCE (ppb)	Sample_ID	Date	Sample Type	Comment
1700 Humbolt	5720	10U	MDSS01	2/14/2008	Slub-Slab	Strings Resturant
1700 Humbolt	5.8	10U	MDSS10	2/14/2008	Sump Air	Strings Resturant
1705 Franklin	10U	10U	MDSS02	2/14/2008	Slub-Slab	
1721 Humbolt	121	59	MDSS03	2/14/2008	Slub-Slab	
1721 Humbolt	121	59	MDSS09	2/14/2008	Slub-Slab	Duplicate
1714 Humbolt	24	10U	MDSS05	2/14/2008	Slub-Slab	
1375 E 17th	40	10U	MDSS07	2/14/2008	Slub-Slab	

Analytical Results
Site: TO-0711-09
Lab:

Sample Number:	MDSS01_2/14/08
Sampling Location:	MDSS01
Matrix:	Tedlar 1L Air
Units:	ppbV
Date Sampled:	2/14/2008
Date Analyzed:	2/15/2008

Parameter	Analysis	Result_Units	Result	Flag	MDL	MDL Units
1,1,1,-Trichloroethane	Hapsite 8260 Mod	ppbV		U	200	ppbV
1,1,2-Trichloroethane	Hapsite 8260 Mod	ppbV		U	20	ppbV
1,1-Dichloroethane	Hapsite 8260 Mod	ppbV		U	200	ppbV
1,1-Dichloroethene	Hapsite 8260 Mod	ppbV		U	200	ppbV
1,2-Dichloroethane	Hapsite 8260 Mod	ppbV		U	2000	ppbV
1,2-Dichloropropane	Hapsite 8260 Mod	ppbV		U	200	ppbV
Carbon Tetrachloride	Hapsite 8260 Mod	ppbV		U	200	ppbV
Ethyl Chloride	Hapsite 8260 Mod	ppbV		U	200	ppbV
Methylene chloride	Hapsite 8260 Mod	ppbV		U	200	ppbV
Tetrachloroethene	Hapsite 8260 Mod	ppbV	5734		20	ppbV
trans-1,3-Dichloropropene	Hapsite 8260 Mod	ppbV		U	20	ppbV
Trichloroethene	Hapsite 8260 Mod	ppbV		U	20	ppbV
Trichloromethane	Hapsite 8260 Mod	ppbV		U	20	ppbV

Analytical Results
Site: TO-0711-09
Lab:

Sample Number: MDSS02_2/14/08
Sampling Location: MDSS02
Matrix: Tedlar 1L Air
Units: ppbV
Date Sampled: 2/14/2008
Date Analyzed: 2/15/2008

Parameter	Analysis	Result_Units	Result	Flag	MDL	MDL Units
1,1,1,-Trichloroethane	Hapsite 8260 Mod	ppbV		U	10	ppbV
1,1,2-Trichloroethane	Hapsite 8260 Mod	ppbV		U	1	ppbV
1,1-Dichloroethane	Hapsite 8260 Mod	ppbV		U	10	ppbV
1,1-Dichloroethene	Hapsite 8260 Mod	ppbV		U	10	ppbV
1,2-Dichloroethane	Hapsite 8260 Mod	ppbV		U	100	ppbV
1,2-Dichloropropane	Hapsite 8260 Mod	ppbV		U	10	ppbV
Carbon Tetrachloride	Hapsite 8260 Mod	ppbV		U	10	ppbV
Ethyl Chloride	Hapsite 8260 Mod	ppbV		U	10	ppbV
Methylene chloride	Hapsite 8260 Mod	ppbV		U	10	ppbV
Tetrachloroethene	Hapsite 8260 Mod	ppbV		U	1	ppbV
trans-1,3-Dichloropropene	Hapsite 8260 Mod	ppbV		U	1	ppbV
Trichloroethene	Hapsite 8260 Mod	ppbV		U	1	ppbV
Trichloromethane	Hapsite 8260 Mod	ppbV		U	1	ppbV

Analytical Results
Site: TO-0711-09
Lab:

Sample Number:	MDSS03_2/14/08
Sampling Location:	MDSS03
Matrix:	Tedlar 1L Air
Units:	ppbV
Date Sampled:	2/14/2008
Date Analyzed:	2/15/2008

Parameter	Analysis	Result_Units	Result	Flag	MDL	MDL Units
1,1,1,-Trichloroethane	Hapsite 8260 Mod	ppbV		U	10	ppbV
1,1,2-Trichloroethane	Hapsite 8260 Mod	ppbV		U	1	ppbV
1,1-Dichloroethane	Hapsite 8260 Mod	ppbV		U	10	ppbV
1,1-Dichloroethene	Hapsite 8260 Mod	ppbV		U	10	ppbV
1,2-Dichloroethane	Hapsite 8260 Mod	ppbV		U	100	ppbV
1,2-Dichloropropane	Hapsite 8260 Mod	ppbV		U	10	ppbV
Carbon Tetrachloride	Hapsite 8260 Mod	ppbV		U	10	ppbV
Ethyl Chloride	Hapsite 8260 Mod	ppbV		U	10	ppbV
Methylene chloride	Hapsite 8260 Mod	ppbV		U	10	ppbV
Tetrachloroethene	Hapsite 8260 Mod	ppbV	59.91		1	ppbV
trans-1,3-Dichloropropene	Hapsite 8260 Mod	ppbV		U	1	ppbV
Trichloroethene	Hapsite 8260 Mod	ppbV	121.7		1	ppbV
Trichloromethane	Hapsite 8260 Mod	ppbV		U	1	ppbV

Analytical Results
Site: TO-0711-09
Lab:

Sample Number: MDSS05_2/14/08
Sampling Location: MDSS05
Matrix: Tedlar 1L Air
Units: ppbV
Date Sampled: 2/14/2008
Date Analyzed: 2/15/2008

Parameter	Analysis	Result_Units	Result	Flag	MDL	MDL Units
1,1,1,-Trichloroethane	Hapsite 8260 Mod	ppbV		U	10	ppbV
1,1,2-Trichloroethane	Hapsite 8260 Mod	ppbV		U	1	ppbV
1,1-Dichloroethane	Hapsite 8260 Mod	ppbV		U	10	ppbV
1,1-Dichloroethene	Hapsite 8260 Mod	ppbV		U	10	ppbV
1,2-Dichloroethane	Hapsite 8260 Mod	ppbV		U	100	ppbV
1,2-Dichloropropane	Hapsite 8260 Mod	ppbV		U	10	ppbV
Carbon Tetrachloride	Hapsite 8260 Mod	ppbV		U	10	ppbV
Ethyl Chloride	Hapsite 8260 Mod	ppbV		U	10	ppbV
Methylene chloride	Hapsite 8260 Mod	ppbV		U	10	ppbV
Tetrachloroethene	Hapsite 8260 Mod	ppbV	24.05		1	ppbV
trans-1,3-Dichloropropene	Hapsite 8260 Mod	ppbV		U	1	ppbV
Trichloroethene	Hapsite 8260 Mod	ppbV		U	1	ppbV
Trichloromethane	Hapsite 8260 Mod	ppbV		U	1	ppbV

Analytical Results
Site: TO-0711-09
Lab:

Sample Number:	MDSS07_2/14/08
Sampling Location:	MDSS07
Matrix:	Tedlar 1L Air
Units:	ppbV
Date Sampled:	2/14/2008
Date Analyzed:	2/15/2008

Parameter	Analysis	Result_Units	Result	Flag	MDL	MDL Units
1,1,1,-Trichloroethane	Hapsite 8260 Mod	ppbV		U	10	ppbV
1,1,2-Trichloroethane	Hapsite 8260 Mod	ppbV		U	1	ppbV
1,1-Dichloroethane	Hapsite 8260 Mod	ppbV		U	10	ppbV
1,1-Dichloroethene	Hapsite 8260 Mod	ppbV		U	10	ppbV
1,2-Dichloroethane	Hapsite 8260 Mod	ppbV		U	100	ppbV
1,2-Dichloropropane	Hapsite 8260 Mod	ppbV		U	10	ppbV
Carbon Tetrachloride	Hapsite 8260 Mod	ppbV		U	10	ppbV
Ethyl Chloride	Hapsite 8260 Mod	ppbV		U	10	ppbV
Methylene chloride	Hapsite 8260 Mod	ppbV		U	10	ppbV
Tetrachloroethene	Hapsite 8260 Mod	ppbV	39.73		1	ppbV
trans-1,3-Dichloropropene	Hapsite 8260 Mod	ppbV		U	1	ppbV
Trichloroethene	Hapsite 8260 Mod	ppbV		U	1	ppbV
Trichloromethane	Hapsite 8260 Mod	ppbV		U	1	ppbV

Analytical Results
Site: TO-0711-09
Lab:

Sample Number:	MDSS09_2/14/08
Sampling Location:	MDSS09
Matrix:	Tedlar 1L Air
Units:	ppbV
Date Sampled:	2/14/2008
Date Analyzed:	2/15/2008

Parameter	Analysis	Result_Units	Result	Flag	MDL	MDL Units
1,1,1,-Trichloroethane	Hapsite 8260 Mod	ppbV		U	10	ppbV
1,1,2-Trichloroethane	Hapsite 8260 Mod	ppbV		U	1	ppbV
1,1-Dichloroethane	Hapsite 8260 Mod	ppbV		U	10	ppbV
1,1-Dichloroethene	Hapsite 8260 Mod	ppbV		U	10	ppbV
1,2-Dichloroethane	Hapsite 8260 Mod	ppbV		U	100	ppbV
1,2-Dichloropropane	Hapsite 8260 Mod	ppbV		U	10	ppbV
Carbon Tetrachloride	Hapsite 8260 Mod	ppbV		U	10	ppbV
Ethyl Chloride	Hapsite 8260 Mod	ppbV		U	10	ppbV
Methylene chloride	Hapsite 8260 Mod	ppbV		U	10	ppbV
Tetrachloroethene	Hapsite 8260 Mod	ppbV	59.36		1	ppbV
trans-1,3-Dichloropropene	Hapsite 8260 Mod	ppbV		U	1	ppbV
Trichloroethene	Hapsite 8260 Mod	ppbV	121.3		1	ppbV
Trichloromethane	Hapsite 8260 Mod	ppbV		U	1	ppbV