CDM

December 2010/June 2011 Groundwater Monitoring LeatherCare, Inc. 901/921 Elliott Avenue West Seattle, Washington VCP # NW1805

December 15, 2011

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DECEMBER 2010/JUNE 2011
GROUNDWATER MONITORING
LEATHERCARE, INC
901/921 ELLIOTT AVENUE W
SEATTLE, WASHINGTON
VCP #NW1805

December 15, 2011

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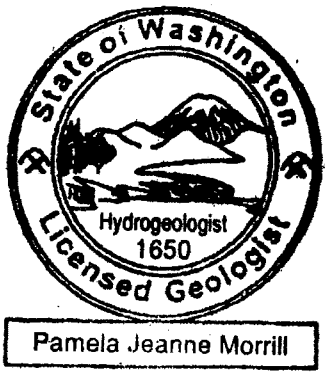

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Section 1
Introduction

1.1 General

This report presents the results of the seventeenth and eighteenth rounds (December 2010 and June 2011) of ongoing groundwater monitoring for the LeatherCare, Inc. site located at 901 & 921 Elliott Avenue West in Seattle, Washington (**Figure 1**). Camp Dresser & McKee Inc. (CDM) is conducting this work on behalf of LeatherCare, Inc. (LeatherCare) in accordance with the Master Environmental Services Agreement dated March 18, 2007 between LeatherCare and CDM, and CDM's proposal dated April 5, 2010. Site work is being conducted under the Washington State Department of Ecology (Ecology) Voluntary Cleanup Program (VCP). The VCP site number is NW1805.

1.2 Background

LeatherCare is a large, industrial dry cleaning facility that has occupied this location since 1985. LeatherCare initially used tetrachloroethene (PCE) as a dry cleaning solvent. PCE use was discontinued in phases beginning in March 2000. The replacement of PCE dry cleaning machines was completed in October 2005.

In July 2006, CDM completed an assessment of volatile organic compounds (VOCs) and petroleum hydrocarbons throughout the LeatherCare parcel (LC parcel), an adjacent parcel referred to as the GTP parcel to the northwest (also owned by Mr. Ritt), West Roy Street to the southwest, and the former Darigold property (also formerly referred to as WestFarm Foods) north and central parking lots. (CDM, 2006). In March 2009, CDM also completed an offsite investigation on the Burlington Northern Santa Fe (BNSF) railroad property to the west (CDM, 2009).

The Darigold property is currently owned by Elliott Holding Company, Inc. (Elliott Holding) and has been redeveloped. The two Ritt-owned parcels and W Roy Street are collectively referred to as the "Subject Property." **Figure 2** shows the layout of the Subject Property and the former layout of the former Darigold property (prior to redevelopment). These two areas and the adjacent BNSF railroad property are collectively referred to as the "Investigation Area".

The chlorinated volatile organic compound (cVOC) PCE and/or its degradation products were identified in groundwater in areas of the Subject Property at relatively low concentrations. PCE concentrations detected in soil and groundwater at the Subject Property are not indicative of the presence of free phase product.

Elliott Holding began redevelopment of the Darigold property in 2007. The development includes two 4-story commercial buildings, a plaza, and an underground parking structure beneath the entire complex. The parking level foundation is as much as 20 feet below former grade. An impermeable shoring wall constructed by the Cutter Soil Mixing (CSM) method was utilized to enable below grade construction. The CSM wall, shown on **Figure 2**, entirely encircles the Elliott

Holding property and keys into the underlying glacial till at depths of 40 to 57 feet below ground surface (Malcolm Drilling, 2009).

CDM's investigations show that biological degradation processes are actively occurring to reduce cVOC concentrations. Field monitoring and chemical data for soil and groundwater, along with historical groundwater chemical data collected throughout the Investigation Area, show that all degradation products of PCE are present and the chemistry necessary for biological degradation is present at the site. Biological testing has shown that the bacterium *Dehalococcoides ethenogenes,* which is known to reductively dechlorinate vinyl chloride to ethene, is present at the site.

1.3 Purpose and Scope of Work

The purpose of continued groundwater monitoring over time is to establish the natural variation in contaminant concentrations (i.e., seasonal), to confirm that the plume is continuing to collapse, to characterize degradation processes, and to empirically demonstrate the biological degradation of cVOCs.

During the first three groundwater monitoring rounds, CDM collected samples from monitoring wells in the Darigold north parking lot. After that, these wells were dropped from the monitoring schedule due to imminent construction activities and limitations on access. ENTRIX continued to sample these wells for a period of time, but it is presumed that groundwater monitoring ceased on the Darigold site by December 2007 when construction began.

The scope of work completed during each of the December 2010 and June 2011 sampling events consisted of the following:

- Conducted a complete round of water level measurements for all existing monitoring wells throughout the Subject Property.
- Purged each groundwater monitoring well on the Subject Property and collected data on field measured parameters.
- Collected groundwater samples and submitted them for laboratory analysis of selected cVOCs and dissolved gasses (ethane, ethene, and methane).
- Evaluated the data and prepared this report documenting our findings and conclusions.

Section 2
Field Investigation Methods

2.1 Groundwater Sampling

Groundwater monitoring was conducted on December 20 and 21, 2010 and June 27 and 28, 2011. Monitored wells included GT1 through GT3, LC1 through LC3, LC4R, LC5R, and LC6. This section describes the field and analytical methods employed.

2.1.1 Water Levels

Water levels were measured in all monitoring wells throughout the Subject Property between 8:00 am and 8:35 am on December 20, 2010 and between 7:58 am and 8:28 am on June 27, 2011. Water levels were measured using a SINCO electronic sounder.

2.1.2 Water Sampling

Each monitoring well/piezometer was purged prior to collecting groundwater samples using dedicated stainless steel bladder pumps with Teflon lined tubing. Each well was purged at a rate of approximately 100 to 200 milliliters per minute (ml/min). Physical parameters were monitored during purging using a YSI meter. In order to minimize contact with ambient air, the YSI meter was secured in a flow-through cell that was situated after the pump and before the purge water tubing discharge. Parameters measured during purging included: pH, temperature; specific conductance (SC); oxidation-reduction potential (ORP); turbidity; and, dissolved oxygen (DO). The wells were purged until the physical parameter measurements stabilized.

The samples were collected by disconnecting the tubing from the flow-through cell and directly discharging the water into laboratory-supplied containers appropriate for the analyses to be conducted. Collected samples were stored in chilled coolers and delivered under chain-of-custody protocol to the analytical laboratories described in Section 2.1.3.

2.1.3 Laboratory Analysis

CDM submitted the groundwater samples to Analytical Resources Inc. (ARI) in Tukwila, Washington and MicroSeeps in Pittsburg, Pennsylvania.

ARI conducted analyses for cVOCs by EPA Method 8260B (using a 10-milliliter purge volume for groundwater to reach detection limits of 0.2 micrograms per liter [µg/L]). Specifically, the analytes included: PCE; trichloroethene (TCE); *cis*-1,2-dichloroethene (*c*-1,2-DCE); *trans*-1,2-dichloroethene (*t*-1,2-DCE); 1,1-dichloroethene (1,1-DCE); and, vinyl chloride (VC).

MicroSeeps conducted analyses of the dissolved gasses methane, ethane, and ethene by method AM20GAX on all of the groundwater samples.

Section 3
Findings and Discussion

3.1 Water Levels

Depths to water and water table elevations are summarized on **Table 1.** In December 2010, water levels ranged between 0.69 and 4.89 feet below the top of the well casings (the well casings start approximately 3 to 6 inches below ground surface). In June 2011, water levels ranged between 0.99 and 4.96 feet below the top of the well casings. Water levels during the December monitoring round were the highest or second highest ever observed. In June water levels dropped by as much as 0.6 of a foot, but were still high.

Figure 3 shows the potentiometric surface on December 20, 2010 and **Figure 4** shows the potentiometric surface on June 27, 2011. The overall groundwater flow direction is toward the north, the July 2011 data shows a stronger easterly component than usually observed.

3.2 Field Monitored Parameters

A discussion of field measured parameters is provided below and the data are summarized in **Table 2**.

Temperature: Groundwater temperatures in December were much lower than in June, which is typical with the seasonal weather patterns. In December the groundwater temperatures outside the building footprint averaged 10.7 degrees Celsius (°C). In June the groundwater temperatures outside the building footprint averaged 17.4 °C. Groundwater temperatures under the building were typically 2 to 7 degrees higher.

Dissolved Oxygen: Dissolved oxygen (DO) concentrations in June ranged from approximately 0.26 to 2.38 milligrams per liter (mg/L). The DO monitor was not functioning properly during the December sampling round. DO concentrations less than 0.5 mg/L are indicative of anoxic conditions, which are conducive for reductive dechlorination. However, the less oxidized chlorinated compounds (e.g., *c*-1,2-DCE and VC) can be used as a primary substrate in biologically mediated oxidation reduction reactions and aerobic conditions appear to be optimal for VC degradation. DO concentrations in several of the wells were higher than typically observed in GT1, GT3, LC1, and LC5R, which all showed DO concentrations greater than 1 mg/L. DO concentrations at GT2, LC2, LC4R, and LC6 were all at or below 0.5 mg/L. DO concentrations over 1 mg/L are observed at times and may indicate transitory conditions of a fresh flush of water into the system. Alternating oxic and anoxic conditions appear to have optimized the degradation of PCE.

Oxidation-Reduction Potential: ORP values ranged between -105 and 47 millivolts (mV) in December 2010 and between -105 and 23mV in June 2011. The ORP values were generally consistent with those measured during prior sampling events. Low ORP values are conducive for reductive dechlorination. The DO and ORP values

are not quite consistent with each other (i.e., low DO concentrations should occur along with low ORP values). Accurate DO and ORP values are difficult to attain, so the variation may indicate high or low biases to some of these values.

Specific Conductance: Specific Conductance values ranged between 326 and 1,400 microsiemens per centimeter (µS/cm) in December 2010 and between 231 and 1,072 µS/cm in June. Overall, the data are consistent with historical site data.

pH: The pH values are neutral ranging between approximately 6.8 and 7.6 standard units for all wells, which are consistent with previous rounds.

Ferrous Iron: Ferrous iron has been low historically and is no longer being monitored.

Turbidity: Turbidity values were less than 10 nephalometric turbidity units (NTUs) for all of the wells at the time of sampling.

3.3 Groundwater Analytical Results

Copies of the analytical reports are included in **Appendix A**. Current and historical groundwater analytical data, as well as field measured and general groundwater chemistry data, are summarized in **Table 2**. Contaminant concentrations are compared against Model Toxics Control Act (MTCA) Method A groundwater cleanup levels. In the absence of Method A cleanup levels, contaminant concentrations are compared against Method B cleanup levels as obtained from Ecology's Cleanup Levels and Risk Calculations (CLARC) database.

The CLARC database is revised periodically, and in so doing, Method B cleanup levels for certain contaminants also change. CDM reviewed the recent CLARC database for compounds for which there are no Method A cleanup levels and found that the Method B cleanup levels for *c*-1,2-DCE and 1,1-DCE changed. The cleanup level for *c*-1,2-DCE declined from 80 µg/L to 16 µg/L, which means that whereas *c*-1,2-DCE never exceeded its Method B cleanup level, it is currently exceeded at two wells.

3.3.1 PCE

PCE concentrations notably increased at five of the monitoring wells in December. At LC1, the concentration of PCE increased from about 1 microgram per liter (µg/L) to 11 µg/L. PCE in LC3 increased slightly from about 5 to 8.7 µg/L. Historically, PCE had not really been observed at GT1, GT2, or LC5R, but occurred at concentrations of 2.0, 0.4 and 3.9 µg/L, respectively.

By June the increased PCE concentrations noted in December had notably begun to turnaround. In June, the PCE concentration in LC1 declined substantially, from 11 to 0.2 µg/L – the lowest concentration ever observed at this well. PCE similarly declined at LC5R from 3.9 to <0.2 µg/L. PCE at GT1 and LC3 declined slightly between December and June, and increased at GT2 (from 0.4 to 2.1 µg/L).

3.3.2 TCE

TCE showed a similar pattern as PCE. Concentration increases of TCE in December at LC1, GT1, and GT2 were notable. However, the 34 µg/L TCE observed at LC1 in December declined to 0.8 µg/L by June. At GT1 and GT3 TCE concentrations increased again in June to 9.3 µg/L at GT1 and 6.3 µg/L at GT2.

3.3.3 *c*-1,2-DCE, *t*-1,2-DCE, 1,1-DCE

Of these degradation products of PCE, *c*-1,2-DCE was detected at all nine monitoring wells, *t*-1,2-DCE at three or four wells, and 1,1-DCE was not detected in any sample during either sampling events. Between the December and June sampling rounds, the *c*-1,2-DCE concentrations increased at GT1 and GT2, and declined at LC1 similar to TCE. The recent changes in Method B cleanup levels indicates that, during the past two sampling rounds, *c*-1,2-DCE concentrations exceeded the cleanup level at GT1 and GT2. In December the *c*-1,2-DCE cleanup level was exceeded at LC1, but not in June.

3.3.4 Vinyl Chloride

Vinyl chloride (VC) concentrations showed a similar, although not as extreme, change in concentrations as was observed for the other cVOCs. At LC1, the VC concentration increased from 0.4 µg/L to 3.4 µg/L in December, and then dropped back down to 0.4 µg/L in June. Over the past year VC has been detected at GT1 to a maximum concentration of 1.0 µg/L.

3.3.5 Dissolved Gasses

Methane was detected in every groundwater sample ranging between 130 and 13,000 µg/L in December, and between 140 and 1,800 µg/L in June. The presence of methane is indicative of methanogenesis, which is an indicator for reductive dechlorination. Methane concentrations were fairly typical of those observed during prior events, with the exception of the methane concentration of 13,000 µg/L at LC4R. There is no evident reason for the short-term relatively high methane concentration at LC4R, which dropped back down to 1,800 µg/L in June.

Ethene, an end product of the reductive dechlorination of PCE, was detected in all nine of the monitoring wells in December ranging from 0.034 to 1.1 µg/L. In June, ethene was detected in six wells at generally lesser concentrations ranging between 0.037 and 0.22 µg/L. Note that while ethene concentrations at LC1, LC2, and LC6 dropped to <0.025 µg/L, vinyl chloride concentrations concurrently declined to between <0.2 and 0.4 µg/L. Particularly noteworthy is the relatively higher VC and ethene concentrations at LC1, 3.4 and 0.11 µg/L, respectively, in December and the VC and ethene concentrations declining to 0.4 and <0.025 µg/L, respectively in June (where the PCE concentration was 11 µg/L in December and declined to 0.2 µg/L in June).

Ethane was detected in every groundwater sample, ranging between 0.052 and 3.7 µg/L in December, and between, 0.050 and 0.62 µg/L in June.

3.4 cVOC Trends

CDM applied the Mann-Kendall statistical test to the cVOCs on the Subject Property. The Mann-Kendall test indicates the presence or absence of a statistically significant increasing or decreasing trend in concentrations at a monitoring point. The results of the Mann-Kendall trend analysis are summarized on **Table 3**.

Decreasing trends are evident for VC concentrations at eight of the wells. GT1 continues to be not calculated as there have been only 4 detections, but these detections all occurred over the past year. The probability value was significant (i.e., $p \leq 0.1$) at all eight of the wells.

Decreasing trends are evident for *c*-1,2-DCE at all wells. The probability values for these decreasing trends are significant at all wells. A build-up of DCE concentrations is often observed at sites where naturally occurring conditions are not suitable for the complete degradation of this particular compound, and this suggests that this condition is not occurring. Only three wells had a sufficient number of detections to calculate trends for *t*-1,2-DCE, each of which had significant decreasing trends.

The Mann-Kendall test loses statistical robustness for PCE and TCE due to the lack of detections and overall low concentrations (i.e., no statistical trend for PCE can be calculated at five of the nine monitoring wells due to the lack of detections). Significant decreasing trends for PCE are noted at LC2 and LC4 and a decreasing (although not significant) trend is indicated for at LC1. At LC3 an increasing trend is indicated. At LC3 we continue to see variation in PCE concentrations, which sometimes exceed the cleanup level.

An increasing trend for TCE is again indicated at LC5, but TCE has not ever exceeded the Method A cleanup level. It remains unlikely that the cleanup level will be exceeded at this well. At LC6, the trend for TCE finally moved from increasing to decreasing. Similar to LC5, TCE has never exceeded its cleanup level a LC6 and likely never will.

3.5 Summary

The December 2010 sampling round showed an unusual increase in cVOC concentrations at some of the monitoring well locations. It is apparent that this was a seasonal increase caused by an unusually high water table. According to Mr. Ritt, not only did an unusually high volume of precipitation in the form of rain and snow occur at end of November, but one of the pipes that transmits Subject Property stormwater runoff to the city sewer system broke causing flooding in the parking lot, primarily on the GTP property (Ritt, 2011). This condition is transitory, as we can see by the dramatic declines in PCE, TCE, and *c*-1,2-DCE, and VC concentrations between the December and June sampling rounds. The apparent "increasing" cVOC concentrations being observed at GT1 and GT2, can be attributed to the CSM wall on the Elliott Holding property, which caused a change in the groundwater flow direction.

None of these factors negate the fact that PCE is being naturally attenuated via biological degradation. In fact, observing such dramatic declines over a six month period (i.e., from 11 to 0.2 µg/L PCE; 34 to 0.8 µg/L TCE; 35 to 3.6 µg/L *c*-1,2-DCE; and 3.4 to 0.4 µg/L VC at LC1) empirically demonstrates this process is occurring.

Section 4
Conclusions and Recommendations

The winter 2010 sampling round showed what we expect to be the "worst case" seasonal flush of PCE to the system. However, the June 2011 sampling round showed how quickly PCE is being naturally attenuated via biological degradation. Monitored natural attenuation (MNA) continues to be appropriate for this site. This conclusion is substantiated by the following:

- All of the degradation products of PCE from TCE through ethene are present at the site.
- The concentrations of PCE and its degradation products are relatively low throughout and active remediation would not be more effective than MNA.
- Over the past two years PCE concentrations have only ever exceeded the Method A cleanup level at two monitoring well locations. At one of those locations it was a one-time occurrence in response to unusually severe weather conditions. At the second location the PCE concentration averaged 5.47 µg/L over those seven monitoring rounds – essentially at the MTCA Method A cleanup level of 5.0 µg/L.
- Conditions are not static – where increases in PCE and TCE concentrations have occurred intermittently, whether due to seasonal or physical changes (i.e., construction of the CSM wall), so have *c*-1,2-DCE and VC concentrations similarly shown intermittent increases as the degradation of PCE is completed.
- VC concentrations are relatively low and statistical evaluation shows that VC concentrations are declining.

Section 5
References

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Ritt, Steve. 2011. Personal communication with Pamela Morrill of CDM on January 5, 2011.

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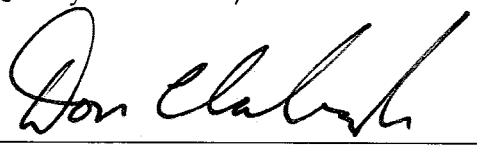

Don Clabaugh, P.E.
Principal Engineer

Tables

Table 1
Groundwater Elevation Data
LeatherCare, Inc.
Seattle, Washington

Monitoring Well I.D.	Date Measured	Time (hours)	Top of Casing Elevation [a] (feet)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (feet)
GT1	05/10/06	0912	12.74	1.84	10.90
	09/05/06	0955		2.46	10.28
	02/12/07	0918		1.69	11.05
	06/20/07	0857		2.13	10.61
	09/19/07	0904		2.46	10.28
	12/19/07	0940		1.20	11.54
	03/19/08	0908		1.80	10.94
	06/18/08	0825		1.95	10.79
	09/24/08	1005		2.22	10.52
	12/29/08	0758		1.49	11.25
	02/11/09	--		--	--
	03/25/09	0837		1.58	11.16
	06/29/09	0757		1.97	10.77
	09/09/09	1012		2.39	10.35
	12/16/09	0828		1.59	11.15
	05/04/10	0809		1.54	11.20
	09/01/10	0858		1.73	11.01
	12/20/10	0837		1.13	11.61
	06/27/11	0828		1.58	11.16
GT2	05/10/06	0910	12.45	1.23	11.22
	09/05/06	1000		1.99	10.46
	02/12/07	0920		1.09	11.36
	06/20/07	0853		2.56	9.89 NU
	09/19/07	0911		1.94	10.51
	12/19/07	0936		0.67	11.78
	03/19/08	0904		1.18	11.27
	06/18/08	0822		1.35	11.10
	09/24/08	1015		1.63	10.82
	12/29/08	0802		0.84	11.61
	02/11/09	--		--	--
	03/25/09	0850		0.95	11.50
	06/29/09	0759		1.35	11.10
	09/09/09	1010		1.78	10.67
	12/16/09	0823		1.00	11.45
	05/04/10	0807		0.94	11.51
	09/01/10	0848		1.18	11.27
	12/20/10	0835		0.69	11.76
	06/27/11	0826		0.99	11.46

Table 1
Groundwater Elevation Data
LeatherCare, Inc.
Seattle, Washington

Monitoring Well I.D.	Date Measured	Time (hours)	Top of Casing Elevation [a] (feet)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (feet)
GT3	05/10/06	0909	13.36	2.18	11.18
	09/05/06	1004		2.91	10.45
	02/12/07	0922		1.95	11.41
	06/20/07	0851		2.49	10.87
	09/19/07	0907		2.94	10.42
	12/19/07	0916		1.64	11.72
	03/19/08	0914		2.12	11.24
	06/18/08	0820		2.21	11.15
	09/24/08	1020		2.54	10.82
	12/29/08	0804		1.80	11.56
	02/11/09	--		--	--
	03/25/09	0820		1.87	11.49
	06/29/09	0803		2.24	11.12
	09/09/09	1006		2.79	10.57
	12/16/09	0819		1.89	11.47
	05/04/10	0805		1.93	11.43
	09/01/10	0848		2.09	11.27
	12/20/10	0828		1.70	11.66
	06/27/11	0823		1.90	11.46
LC1	05/10/06	0916	13.17	1.57	11.60
	09/05/06	1010		2.43	10.74
	02/12/07	0941		1.40	11.77
	06/20/07	0844		1.99	11.18
	09/19/07	0904		2.46	10.71
	12/19/07	0954		1.01	12.16
	03/19/08	0857		1.54	11.63
	06/18/08	0836		1.55	11.62
	09/24/08	1034		1.89	11.28
	12/29/08	0809		1.20	11.97
	02/11/09	--		--	--
	03/25/09	0811		1.28	11.89
	06/29/09	0753		1.63	11.54
	09/09/09	0956		2.10	11.07
	12/16/09	0810		1.27	11.90
	05/04/10	0800		1.30	11.87
	09/01/10	0844		1.55	11.62
	12/20/10	0824		1.12	12.05
	06/27/11	0818		1.34	11.83

Table 1
Groundwater Elevation Data
LeatherCare, Inc.
Seattle, Washington

Monitoring Well I.D.	Date Measured	Time (hours)	Top of Casing Elevation [a] (feet)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (feet)
LC2	05/10/06	0919	13.41	2.01	11.40
	09/05/06	1012		2.74	10.67
	02/12/07	0943		1.80	11.61
	06/20/07			2.35	11.06
	09/19/07	0901		2.75	10.66
	12/19/07	0948		1.23	12.18
	03/19/08	0859		1.90	11.51
	06/18/08	0832		2.05	11.36
	09/24/08	1030		2.30	11.11
	12/29/08	0812		1.59	11.82
	02/11/09	--		--	--
	03/25/09	0807		1.87	11.54
	06/29/09	0750		2.13	11.28
	09/09/09	1001		2.57	10.84
	12/16/09	0813		1.66	11.75
	05/04/10	0757		1.77	11.64
	09/01/10	0842		1.87	11.54
	12/20/10	0821		1.39	12.02
	06/27/11	0814		1.69	11.72
LC3	05/10/06	0925	14.16	2.56	11.60
	09/05/06	1014		3.41	10.75
	02/12/07			2.37	11.79
	06/20/07	0837		2.98	11.18
	09/19/07	0853		3.48	10.68
	12/19/07	0906		1.99	12.17
	03/19/08	0847		2.55	11.61
	06/18/08	0839		2.58	11.58
	09/24/08	1038		2.84	11.32
	12/29/08	0815		2.21	11.95
	02/11/09	--		--	--
	03/25/09	0802		2.28	11.88
	06/29/09	0742		2.67	11.49
	09/09/09	0950		3.14	11.02
	12/16/09	0804		2.30	11.86
	05/04/10	0752		2.37	11.79
	09/01/10	0838		2.49	11.67
	12/20/10	0816		2.14	12.02
	06/27/11	0806		2.33	11.83

Table 1
Groundwater Elevation Data
LeatherCare, Inc.
Seattle, Washington

Monitoring Well I.D.	Date Measured	Time (hours)	Top of Casing Elevation [a] (feet)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (feet)
LC4	05/10/06	0921	14.72	3.16	11.56
	09/05/06	1026		3.99	10.73
	02/12/07			2.93	11.79
	06/20/07	0832		3.59	11.13
	09/19/07	0845		4.09	10.63
	12/19/07	0856		2.48	12.24
	03/19/08 [b]	--		--	--
	12/29/08	--		--	--
	02/11/09	--		--	--
LC4R	03/25/09	0957	14.77	3.03	11.74
	06/29/09	0840		3.45	11.32
	09/09/09	1050		3.85	10.92
	12/16/09	0753		2.73	12.04
	05/04/10	0747		2.83	11.94
	09/01/10	0829		2.94	11.83
	12/20/10	0806		2.50	12.27
	06/27/11	0758		2.76	12.01
LC5	05/10/06	0922	14.13	2.57	11.56
	09/05/06	1030		3.46	10.67
	02/12/07			2.37	11.76
	06/20/07	0834		2.97	11.16
	09/19/07	0858		3.48	10.65
	12/19/07	0901		1.89	12.24
	03/19/08	1114		2.49	11.64
	06/18/08 [b]	--		--	--
	12/29/08	--		--	--
	02/11/09	--		--	--
LC5R	03/25/09	1125	14.34	2.46	11.88
	06/29/09	1000		2.93	11.41
	09/09/09	1230		3.39	10.95
	12/16/09	0758		2.31	12.03
	05/04/10	0750		2.38	11.96
	09/01/10	0831		2.45	11.89
	12/20/10	0808		2.09	12.25
	06/27/11	0801		2.33	12.01

Table 1
Groundwater Elevation Data
LeatherCare, Inc.
Seattle, Washington

Monitoring Well I.D.	Date Measured	Time (hours)	Top of Casing Elevation [a] (feet)	Depth to Groundwater (ft below TOC)	Groundwater Elevation (feet)
LC6	05/10/06	0928	16.85	5.26	11.59
	09/05/06	1022		6.10	10.75
	02/12/07	0933		5.03	11.82
	06/20/07	0839		5.68	11.17
	09/19/07	0850		6.19	10.66
	12/19/07	0911		4.67	12.18
	03/19/08	0852		5.24	11.61
	06/18/08	0844		5.22	11.63
	09/24/08	1042		5.55	11.30
	12/29/08	0819		4.89	11.96
	02/11/09	--		--	--
	03/25/09	0759		4.93	11.92
	06/29/09	0742		5.33	11.52
	09/09/09	0952		5.78	11.07
	12/16/09	0801		4.99	11.86
	05/04/10	0754		5.09	11.76
	09/01/10	0835		5.13	11.72
	12/20/10	0811		4.89	11.96
	06/27/11	0803		4.96	11.89
LC7	02/11/09	0912	15.34	7.64	7.70
LC8	02/11/09	0910	15.50	7.10	8.40
LC9	02/11/09	0909	15.27	6.67	8.60

Notes:

a) Top of casing elevations in feet relative to a brass monument located at the south corner of Elliot Avenue W. and W. Roy Street, marked as Elevation 19.78 feet. No verifiable City of Seattle datum could be found in the site area.
b) Well believed to have been destroyed by construction on adjacent property.
ft bgs - feet below ground surface.
-- not measured.
NU - Data not used; measurement believed to have been misread.
TOC - top of casing.

Table 2
Groundwater Analytical Summary - LeatherCare, Greg Thompson Productions, and W. Roy Street Properties
LeatherCare, Inc.
Seattle, Washington

Analyte	Date Sampled	Method A Cleanup Levels [a]	Monitoring Well I.D. [b]													
			GT1	GT2	GT3	LC1	LC2	LC3	LC4 [l]/LC4R	LC5 [l]/LC5R	LC6	LC7	LC8	LC9	Field Blank	Trip Blank
Field-Measured Parameters																
pH	05/06	N/A	7.23	7.03	7.10	7.05	7.43	6.95	7.18	6.95	6.99	--	--	--	--	--
	09/06	N/A	7.33	7.19	7.13	7.19	7.26	7.07	7.03	7.05	7.07	--	--	--	--	--
	02/07	N/A	6.77	6.64	6.57	6.46	6.42	6.62	6.06	6.43	6.70	--	--	--	--	--
	06/07	N/A	7.15	7.01	6.95	6.99	7.23	7.00	6.97	6.91	6.90	--	--	--	--	--
	09/07	N/A	7.11	7.00	6.88	7.00	7.16	6.92	6.83	6.88	6.91	--	--	--	--	--
	12/07	N/A	7.47	7.42	7.30	6.50	7.36	7.45	6.42	6.59	7.02	--	--	--	--	--
	03/08	N/A	7.75	7.77	7.51	7.67	8.04	8.36	--	8.42	8.19	--	--	--	--	--
	06/08	N/A	7.23	6.89	6.97	**	6.96	6.70	--	--	6.96	--	--	--	--	--
	09/08	N/A	**	6.59	6.55	6.62	6.72	6.58	--	--	6.66	--	--	--	--	--
	12/08	N/A	7.06	6.75	6.79	6.98	7.54	6.82	--	--	6.95	--	--	--	--	--
	02/09	N/A	--	--	--	--	--	--	--	--	--	**	**	**	--	--
	03/09	N/A	7.26	6.96	6.92	7.07	7.13	6.99	6.96	6.97	7.07	--	--	--	--	--
	06/09	N/A	7.44	7.18	7.16	7.27	7.07	7.18	7.37	7.25	7.19	--	--	--	--	--
	09/09	N/A	7.37	7.11	7.03	7.06	7.19	7.05	7.12	7.08	7.07	--	--	--	--	--
	12/09	N/A	7.61	7.42	7.33	7.20	7.73	7.16	7.77	7.52	7.27	--	--	--	--	--
	05/10	N/A	7.41	7.16	7.07	7.04	7.42	7.06	7.71	7.37	7.16	--	--	--	--	--
	09/10	N/A	7.40	7.19	7.14	7.08	7.16	7.04	7.19	7.18	7.05	--	--	--	--	--
	12/10	N/A	7.26	7.15	7.23	6.88	7.54	6.82	7.55	7.11	6.81	--	--	--	--	--
	6/11	N/A	7.53	7.32	7.19	7.14	7.56	7.21	7.45	7.39	7.25	--	--	--	--	--
ORP [d] (mV)	05/06	N/A	-33	-27	-56	-72	-152	-33	-50	-82	-50	--	--	--	--	--
	09/06	N/A	-119	-97	-68	-113	-90	-71	-50	-107	-78	--	--	--	--	--
	02/07	N/A	-33	-2	17	-60	-32	56	80	-30	31	--	--	--	--	--
	06/07	N/A	-211	-171	-38	-61	-162	-183	-116	-214	-111	--	--	--	--	--
	09/07	N/A	-96	-95	-71	-125	-132	-83	-75	-126	-95	--	--	--	--	--
	12/07	N/A	**	**	**	**	**	**	**	**	**	--	--	--	--	--
	03/08	N/A	-54	-27	10	-28	-30	-59	--	-107	-43	--	--	--	--	--
	06/08	N/A	-57	-49	142	**	112	-17	--	--	-17	--	--	--	--	--
	09/08	N/A	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/08	N/A	-52	-16	43	-22	40	-44	--	--	0.7	--	--	--	--	--
	02/09	N/A	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/09	N/A	**	**	**	**	**	**	**	**	**	--	--	--	--	--
	06/09	N/A	-90	-78	13	-57	-78	-42	-92	-80	-50	--	--	--	--	--
	09/09	N/A	-148	-140	-73	-188	-115	-89	-130	-136	-103	--	--	--	--	--
	12/09	N/A	**	**	**	**	15	6	-96	-60	-2	--	--	--	--	--
	05/10	N/A	145	166	163	158	111	108	80	107	115	--	--	--	--	--
	09/10	N/A	-130	-64	19	-72	-101	-58	-63	-79	-74	--	--	--	--	--
	12/10	N/A	-10	-10	47	-69	-100	19	-105	-54	-31	--	--	--	--	--
	6/11	N/A	-104	-40	23	-48	-28	-8	-105	-10	-19	--	--	--	--	--
Temperature (°C)	05/06	N/A	16.0	16.2	15.1	18.3	18.2	15.9	14.1	13.8	14.2	--	--	--	--	--
	09/06	N/A	20.0	21.3	20.8	23.1	22.6	22.6	22.2	22.5	20.6	--	--	--	--	--
	02/07	N/A	13.6	9.3	10.0	16.8	16.2	11.4	9.7	10.0	11.8	--	--	--	--	--
	06/07	N/A	17.8	20.2	18.7	20.7	20.0	19.3	18.6	18.0	17.6	--	--	--	--	--
	09/07	N/A	19.3	19.4	19.2	22.3	21.7	22.2	20.2	20.4	20.0	--	--	--	--	--
	12/07	N/A	11.9	8.8	9.3	17.3	15.5	11.6	12.3	11.4	12.6	--	--	--	--	--
	03/08	N/A	13.0	10.3	9.5	15.9	16.3	11.8	--	11.3	12.4	--	--	--	--	--
	06/08	N/A	16.1	17.0	17.2	18.3	19.8	16.4	--	--	16.3	--	--	--	--	--
	09/08	N/A	18.7	17.9	17.8	22.1	21.8	19.6	--	--	17.6	--	--	--	--	--
	12/08	N/A	11.2	7.6	6.9	14.6	15.0	9.8	--	--	11.5	--	--	--	--	--

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Table 2
Groundwater Analytical Summary - LeatherCare, Greg Thompson Productions, and W. Roy Street Properties
LeatherCare, Inc.
Seattle, Washington

Analyte	Date Sampled	Method A Cleanup Levels [a]	Monitoring Well I.D. [b]													
			GT1	GT2	GT3	LC1	LC2	LC3	LC4 [i]/LC4R	LC5 [i]/LC5R	LC6	LC7	LC8	LC9	Field Blank	Trip Blank
Temperature (°C)	02/09	N/A	--	--	--	--	--	--	--	--	--	13.0	11.0	9.7	--	--
(cont.)	03/09	N/A	13.0	9.0	9.0	14.6	16.5	10.9	8.7	9.0	10.5	--	--	--	--	--
	06/09	N/A	17.9	21.5	19.2	20.8	20.5	19.9	16.7	17.3	17.3	--	--	--	--	--
	09/09	N/A	19.3	18.4	19.0	22.2	21.4	20.1	17.8	18.2	19.3	--	--	--	--	--
	12/09	N/A	13.5	7.9	9.0	15.5	16.3	10.8	9.5	9.3	11.3	--	--	--	--	--
	05/10	N/A	13.5	12.6	13.6	17.6	17.3	13.2	11.3	11.6	12.1	--	--	--	--	--
	09/10	N/A	20.1	20.4	19.4	21.3	21.1	20.2	19.2	19.5	18.4	--	--	--	--	--
	12/10	N/A	11.9	9.6	10.0	17.2	16.0	11.0	10.9	10.2	11.3	--	--	--	--	--
	6/11	N/A	17.1	19.6	18.8	19.7	19.6	17.3	16.2	17.0	15.1	--	--	--	--	--
Specific Conductivity (µS/cm)	05/06	N/A	1,243	1,283	1,264	1,190	1,183	1,345	1,360	1,322	1,281	--	--	--	--	--
	09/06	N/A	811	856	864	866	736	870	853	856	856	--	--	--	--	--
	02/07	N/A	831	971	915	951	519	1,020	496	795	948	--	--	--	--	--
	06/07	N/A	786	813	833	836	676	820	808	804	842	--	--	--	--	--
	09/07	N/A	808	844	879	873	622	841	737	824	828	--	--	--	--	--
	12/07	N/A	732	706	829	1,017	181	778	553	543	920	--	--	--	--	--
	03/08	N/A	637	915	926	928	518	902	--	114 [j]	--	--	--	--	--	--
	06/08	N/A	998	1,701	1,471	1,561	1,490	1,493	--	--	1,363	--	--	--	--	--
	09/08	N/A	774	1,236	798	1,318	963	1,269	--	--	1,353	--	--	--	--	--
	12/08	N/A	**	**	**	**	671	**	--	--	**	--	--	--	--	--
	02/09	N/A	--	--	--	--	--	--	--	--	--	836	1,090	1,828	--	--
	03/09	N/A	587	861	824	864	648	825	**	**	**	--	--	--	--	--
	06/09	N/A	748	1,006	991	993	875	995	856	914	1,007	--	--	--	--	--
	09/09	N/A	636	947	944	966	629	986	976	997	1,002	--	--	--	--	--
	12/09	N/A	584	872	857	1,011	299	939	487	664	854	--	--	--	--	--
	05/10	N/A	663	839	854	1,014	525	958	458	812	956	--	--	--	--	--
	09/10	N/A	788	915	884	873	786	904	872	931	916	--	--	--	--	--
	12/10	N/A	424	379	326	1,400	134	1,300	619	1,010	1,400	--	--	--	--	--
	6/11	N/A	706	739	231	962	519	949	632	956	1,072	--	--	--	--	--
Dissolved Oxygen (mg/L)	05/06	N/A	0.70	0.34	0.70	0.24	0.40	0.42	0.43	0.33	0.39	--	--	--	--	--
	09/06	N/A	0.15	0.17	0.14	0.20	0.35	0.23	0.19	0.09	0.09	--	--	--	--	--
	02/07	N/A	0.31 [g]	0.13 [g]	-- [g]	-- [g]	-- [g]	-- [g]	-- [g]	-- [g]	-- [g]	--	--	--	--	--
	06/07	N/A	0.19	0.22	0.24	0.34	0.91	0.35	0.47	0.39	1.13	--	--	--	--	--
	09/07	N/A	0.41	0.34	0.27	0.24	0.25	0.58	0.78	0.55	0.58	--	--	--	--	--
	12/07	N/A	0.33	0.47	0.17	0.72	3.05	1.44	1.00	0.29	0.28	--	--	--	--	--
	03/08	N/A	0.34	0.34	1.28	0.31	1.12	0.44	--	0.37	0.34	--	--	--	--	--
	06/08	N/A	0.20	1.09	0.71	0.29	0.35	0.71	--	--	0.28	--	--	--	--	--
	09/08	N/A	1.32	1.12	1.06	0.08	0.84	1.36	--	--	1.34	--	--	--	--	--
	12/08	N/A	0.90	2.11	2.17	0.61	2.47	1.60	--	--	0.87	--	--	--	--	--
	02/09	N/A	--	--	--	--	--	--	--	--	--	4.74	4.73	8.05	--	--
	03/09	N/A	0.19	0.13	0.42	0.10	0.11	0.71	0.25	0.33	0.17	--	--	--	--	--
	06/09	N/A	0.23	0.13	0.28	0.15	0.14	0.27	0.52	0.33	0.21	--	--	--	--	--
	09/09	N/A	0.42	0.20	0.37	0.22	0.21	0.31	0.35	0.36	0.29	--	--	--	--	--
	12/09	N/A	0.17	0.74	0.53	0.22	2.33	0.89	0.43	0.48	0.35	--	--	--	--	--
	05/10	N/A	0.27	0.51	0.38	0.21	0.37	1.55	0.64	1.47	0.64	--	--	--	--	--
	09/10	N/A	0.22	0.29	0.97	0.83	0.45	0.39	0.93	1.40	0.37	--	--	--	--	--
	12/10	N/A	**	**	**	**	**	**	0.77	**	**	--	--	--	--	--
	6/11	N/A	1.14	0.51	1.81	2.38	0.26	0.86	0.49	2.15	0.41	--	--	--	--	--

Table 2
Groundwater Analytical Summary - LeatherCare, Greg Thompson Productions, and W. Roy Street Properties
LeatherCare, Inc.
Seattle, Washington

Analyte	Date Sampled	Method A Cleanup Levels [a]	Monitoring Well I.D. [b]														
			GT1	GT2	GT3	LC1	LC2	LC3	LC4 [l]/LC4R	LC5 [l]/LC5R	LC6	LC7	LC8	LC9	Field Blank	Trip Blank
Turbidity (NTU)	05/06	N/A	1.8	0.83	0.66	5.8	62 [c]	1.1	1.8	2.82	2.01	--	--	--	--	--
	09/06	N/A	*	0.47	0.70	0.7	*	5.5	2.4	1.8	*	--	--	--	--	--
	02/07	N/A	3.1 [h]	0.0 [h]	>999 [h]	0.0 [h]	0.0 [h]	22 [h]	0.0 [h]	16.3 [h]	26 [h]	--	--	--	--	--
	06/07	N/A	0.7	1.1	2.2	0.9	1.9	2.6	1.8	0.2	3.8	--	--	--	--	--
	09/07	N/A	0.9	0.9	1.6	*	0.5	2.3	6.5	0.14	3.8	--	--	--	--	--
	12/07	N/A	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/08	N/A	17	8.8	168 [k]	2.3	0.7	21	--	9.6	4.4	--	--	--	--	--
	06/08	N/A	0.7	1.8	34.5/227 [k]	0.5	0.0 [m]	1.1	--	--	-- [m]	--	--	--	--	--
	09/08	N/A	55 [h]	53 [h]	187 [h]	18 [h]	48 [h]	179 [h]	--	--	-- [h]	--	--	--	--	--
	12/08	N/A	2.9	40 [k]	10.29 [k]	0.0 [m]	0.0 [m]	-- [m]	--	--	--	--	--	--	--	--
	02/09	N/A	--	--	--	--	--	--	--	--	--	7.40	5.69	7.90	--	--
	03/09	N/A	0.0	0.0	0.0	0.0	0.0	0.2	9.3	1.5	0.0	--	--	--	--	--
	06/09	N/A	2.6	1.5	1.4	0.1	1.7	3.1	1.9	23	0.95	--	--	--	--	--
	09/09	N/A	4.2	2.1	1.3	1.2	0.93	0.87	0.98	0.92	1.1	--	--	--	--	--
	12/09	N/A	6.2	5.8	0.8	0.0	1.5	2.9	3.6	4.6	6.2	--	--	--	--	--
	05/10	N/A	5.4	9.6	1.8	2.0	0.0	4.5	3.2	3.1	4.9	--	--	--	--	--
	09/10	N/A	0.1	4.3	0.4	0.0	0.0	9.9	0.00	0.24	0.0	--	--	--	--	--
	12/10	N/A	3.5	4.6	8.7	0.9	4.2	18	16	4.9	8.5	--	--	--	--	--
	6/11	N/A	0.6	1.9	0.3	0.2	0.6	1.01	1.47	5.2	0.47	--	--	--	--	--
Ferrous Iron (ppm)	05/06	N/A	0.1	0.2	0.2	0.5	0.3	0.3	0.2	1	0.5	--	--	--	--	--
	09/06	N/A	0.3	0.2	0.6	--	0.1	0.6	0.4	1	1	--	--	--	--	--
	02/07	N/A	0.4	0.6	0.3	0.6	--	0.2	0.1	1	0.4	--	--	--	--	--
	06/07	N/A	0.3	0.4	0.2	0.5	0	0.2	0.6	0.1	0.3	--	--	--	--	--
	09/07	N/A	0.2	0.3	0.2	0.4	0.2	0.4	0.6	0.8	0.8	--	--	--	--	--
	12/07	N/A	0.1	0	0	0.6	0	0.2	0.1	0.8	0.3	--	--	--	--	--
	03/08	N/A	0.3	0.8	0.4	0.4	0.1	0.4	--	0.8	0.4	--	--	--	--	--
	06/08	N/A	0.2	1	0	0.6	0	1	--	--	0.6	--	--	--	--	--
	09/08	N/A	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/08	N/A	0.2	0.3	0.1	0.4	0	1	--	--	0.3	--	--	--	--	--
	02/09	N/A	--	--	--	--	--	--	--	--	--	--	--	--		
	03/09	N/A	--	0.4	--	--	--	0.2	--	--	--	--	--	--	--	--
	06/09	N/A	0.4	0.6	0	0.4	0.8	0.6	0.4	0.6	0.6	--	--	--	--	--
	09/09	N/A	0	0.4	0.2	0.6	0.8	0.6	1.0	0.6	0.6	--	--	--	--	--
	12/09	N/A	0.1	0.1	0	0.6	0	0.6	0.1	0.2	0.2	--	--	--	--	--
	05/10	N/A	0.2	0.1	0.1	0.4	0	0.6	0.1	0.2	0.3	--	--	--	--	--
	09/10	N/A	0.2	0.3	0	0.4	0.3	0.6	0.6	0.3	0.6	--	--	--	--	--
	12/10	N/A	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/11	N/A	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese (ppm)	06/07	N/A	0	0	0	0	0	0	0	0	0	--	--	--	--	--
Sulfide (ppm)	06/07	N/A	0	0	0	0	0	0	0	0	0	--	--	--	--	--

Table 2
Groundwater Analytical Summary - LeatherCare, Greg Thompson Productions, and W. Roy Street Properties
LeatherCare, Inc.
Seattle, Washington

Analyte	Date Sampled	Method A Cleanup Levels [a]	Monitoring Well I.D. [b] GT1	GT2	GT3	LC1	LC2	LC3	LC4 /LC4R	LC5 /LC5R	LC6	LC7	LC8	LC9	Field Blank	Trip Blank
General Groundwater Chemistry																
Chloride (EPA Method 325.2) (mg/L)	05/06	N/A	7.4	7.9	16.5	20.5	8.8	16.1	6.8/6.7	14.0	17.5	--	--	--	--	--
Sulfate (EPA Method 375.2) (mg/L)	05/06	N/A	62.3	64.4	77.8	88.9	52.7	69.7	39.3/39.5	39.5	54.2	--	--	--	--	--
Chemical Oxygen Demand (EPA Method 410.4) (mg/L)	05/06	N/A	6.18	5.68	9.29	12.8	12.4	7.71	10.1/6.87	10.1	12.8	--	--	--	--	--
Alkalinity (SM 2320) (mg/L CaCO3)	05/06	N/A	336	406	358	368	309	398	233/233	372	401	--	--	--	--	--
Carbonate (SM 2320) (mg/L CaCO3)	05/06	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0/<1.0	<1.0	<1.0	--	--	--	--	--
Bicarbonate (SM 2320) (mg/L CaCO3)	05/06	N/A	336	406	358	368	309	398	233/233	372	401	--	--	--	--	--
Hydroxide (SM 2320) (mg/L CaCO3)	05/06	N/A	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0/<1.0	<1.0	<1.0	--	--	--	--	--
***Dehalococcoides spp.* (QCPR) [e]**	05/06	N/A	-	+	+	+	-	+	-/-	+	+	--	--	--	--	--
Reductive Dechlorination End Products (µg/L)																
Methane	05/06	N/A	98	140	100	110	590	33	98/87	220	77	--	--	--	--	--
	09/06	N/A	160	1,400	140/130	94	310	28	130	170	92	--	--	--	--	--
	02/07	N/A	150	510	51/50	45	710	96	88	140	150	--	--	--	--	--
	06/07	N/A	150	200	110	46	870	24	100/140	310	99	--	--	--	--	--
	09/07	N/A	130	2,100	120	86	520	100	130/130	500	28	--	--	--	--	--
	12/07	N/A	110	100	91	51	58	16	94/99	530	360	--	--	--	--	--
	03/08	N/A	170	120	76/56	33	73	23	--	160	120	--	--	--	--	--
	06/08	N/A	180	170	27	110	20	140	--	--	370	--	--	--	--	--
	09/08	N/A	150	260	73	150	260	120	--	--	370	--	--	--	--	--
	12/08	N/A	200	110	34/33	200	40	86	--	--	450	--	--	--	--	--
	02/09	N/A	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/09	N/A	150	140	34/36	240	200	86	390	330	300	--	--	--	--	--
	06/09	N/A	160	230	140/150	260	340	110	430	220	400	--	--	--	--	--
	09/09	N/A	210	170	270/270	220	480	120	390	340	610	--	--	--	--	--
	12/09	N/A	260	170	53/64	230	110	110	5,400	1,300	530	--	--	--	--	--
	05/10	N/A	240	160	190	230	400	140	2,700	540	730	--	--	--	--	--
	09/10	N/A	420	310	110/130	210	660	140	630	140	710	--	--	--	--	--
	12/10	N/A	130	190	55/58	300	85	200	13,000	1,300	710	--	--	--	--	--
	6/11	N/A	140	340	250/220	330	430	140	1,800	420	620	--	--	--	--	--
Ethane	05/06	N/A	<12	<12	<12	<12	<12	<12		<12	<12	--	--	--	--	--
	09/06	N/A	0.49	0.34	0.05/0.045	0.24	0.22	0.04	0.11	0.21	0.097	--	--	--	--	--
	02/07	N/A	0.18	0.37	0.088/0.087	0.093	0.42	0.078	0.054	0.14	0.12	--	--	--	--	--
	06/07	N/A	0.24	0.30	0.054	0.034	0.32	0.033	0.10/0.11	0.21	0.088	--	--	--	--	--
	09/07	N/A	0.3	0.29	0.034	0.33	0.21	<0.025	0.052/0.052	0.22	<0.025	--	--	--	--	--
	12/07	N/A	0.22	0.15	0.059	0.091	<0.025	0.030	0.081/0.084	0.28	0.058	--	--	--	--	--
	03/08	N/A	0.098	0.23	0.052/0.045	0.040	0.038	0.026	--	0.16	0.065	--	--	--	--	--
	06/08	N/A	0.22	0.29	0.037	0.087	0.053	0.044	--	--	0.067	--	--	--	--	--
	09/08	N/A	0.18	0.27	0.068	0.11	0.073	0.064	--	--	0.11	--	--	--	--	--
	12/08	N/A	0.12	0.12	<0.025/0.028	0.13	<0.025	0.044	--	--	0.11	--	--	--	--	--
	02/09	N/A	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/09	N/A	0.096	0.17	0.032/0.034	0.14	0.037	0.048	0.240	0.14	0.092	--	--	--	--	--
	06/09	N/A	0.11	0.20	0.070/0.068	0.17	0.11	0.059	0.290	0.099	0.16	--	--	--	--	--
	09/09	N/A	0.22	0.15	0.12/0.15	0.17	0.15	0.089	0.250	0.14	0.20	--	--	--	--	--
	12/09	N/A	0.13	0.12	0.079/0.094	0.17	0.044	0.062	2.70	0.87	0.19	--	--	--	--	--
	05/10	N/A	0.54	0.085	0.180	0.16	0.049	0.037	1.10	0.31	0.19	--	--	--	--	--
	09/10	N/A	0.76	0.24	0.075/0.074	0.13	0.16	0.068	0.39	0.076	0.22	--	--	--	--	--
	12/10	N/A	0.50	0.14	0.052/0.056	0.36	0.067	0.067	3.70	0.60	0.19	--	--	--	--	--
	6/11	N/A	0.62	0.16	0.19/0.17	0.16	0.11	0.050	0.54	0.16	0.16	--	--	--	--	--

Table 2
Groundwater Analytical Summary - LeatherCare, Greg Thompson Productions, and W. Roy Street Properties
LeatherCare, Inc.
Seattle, Washington

Analyte	Date Sampled	Method A Cleanup Levels [a]	Monitoring Well I.D. [b] GT1	GT2	GT3	LC1	LC2	LC3	LC4 [l]/LC4R	LC5 [l]/LC5R	LC6	LC7	LC8	LC9	Field Blank	Trip Blank
Ethene	05/06	N/A	<11	<11	<11	<11	<11	<11	<11/<11	<11	<11	--	--	--	--	--
	09/06	N/A	0.041	1.8	0.21/0.19	0.82	0.46	<0.025	0.05	0.31	<0.025	--	--	--	--	--
	02/07	N/A	0.031	1.2	0.079/0.072	0.034	0.92	0.035	0.046	0.21	0.046	--	--	--	--	--
	06/07	N/A	0.083	1.4	0.15	0.11	0.29	0.10	0.15/0.080	0.29	0.094	--	--	--	--	--
	09/07	N/A	<0.025	1.9	0.08	0.35	0.35	0.051	0.039/0.036	0.23	<0.025	--	--	--	--	--
	12/07	N/A	<0.025	0.81	0.51	0.027	<0.025	0.22	0.029/0.034	0.18	<0.025	--	--	--	--	--
	03/08	N/A	<0.025	0.9	0.16/0.13	0.028	<0.025	<0.025	--	0.12	<0.025	--	--	--	--	--
	06/08	N/A	<0.025	0.65	0.1	<0.025	0.079	<0.025	--	--	<0.025	--	--	--	--	--
	09/08	N/A	0.035	1.0	0.14	0.11	0.071	0.044	--	--	0.034	--	--	--	--	--
	12/08	N/A	<0.025	0.5	0.1/0.085	0.039	<0.025	<0.025	--	--	<0.025	--	--	--	--	--
	02/09	N/A	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/09	N/A	<0.025	0.51	0.066/0.070	<0.025	0.035	<0.025	0.072	0.12	<0.025	--	--	--	--	--
	06/09	N/A	<0.025	0.71	0.12/0.13	<0.025	0.072	0.026	0.15	0.19	0.026	--	--	--	--	--
	09/09	N/A	0.026	0.68	0.25/0.28	0.37	0.150	0.035	0.16	0.24	0.048	--	--	--	--	--
	12/09	N/A	<0.025	0.26	0.096/0.110	<0.025	0.026	<0.025	0.90	0.43	<0.025	--	--	--	--	--
	05/10	N/A	0.030	0.13	0.073	<0.025	0.032	0.073	0.26	0.16	<0.025	--	--	--	--	--
	09/10	N/A	0.094	0.47	0.12/0.15	<0.025	0.083	0.029	0.14	0.11	0.034	--	--	--	--	--
	12/10	N/A	0.034	0.049	0.19/0.2	0.11	0.038	0.038	1.10	0.29	0.036	--	--	--	--	--
	6/11	N/A	0.042	0.22	0.051/0.086	<0.025	0.037	<0.025	0.15	0.075	<0.025	--	--	--	--	--
Petroleum Hydrocarbons (NWTPH-Dx) (mg/L)												--	--	--		
Diesel	05/06	0.50	<0.25	0.32	<0.25	<0.25	<0.25	<0.25	<0.25/<0.25	0.35	0.35	--	--	--	--	--
	09/06	0.50	<0.25	<0.25	<0.25/<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	--	--	--	--	--
	02/07	0.50	--	--	--	--	--	0.28	<0.25	0.42/<0.25 [i]	**0.76**/<0.25 [i]	--	--	--	--	--
	02/09	0.50	--	--	--	--	--	--	--	--	--	<0.25	<0.25	<0.25	--	--
Motor Oil	05/06	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50/<0.50	<0.50	<0.50	--	--	--	--	--
	09/06	0.50	<0.50	<0.50	<0.50/0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	--
	02/07	0.50	--	--	--	--	--	<0.50	<0.50	<0.50/<0.5 [i]	<0.50/<0.5 [i]	--	--	--	--	--
	02/09	0.50	--	--	--	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--
Detected Volatile Organic Compounds (EPA SW8260B) (µg/L)																
Tetrachloroethene	05/06	5	<0.2	<0.2	0.4	2.0	**9.4**	2.9	**14/14**	0.4	<0.2	--	--	--	<0.2	<0.2
	09/06	5	<0.2	<0.2	<0.2/<0.2	4.4	**9.3**	2.8	**8.6**	<0.2	<0.2	--	--	--	--	--
	02/07	5	<0.2	<0.2	0.4/0.4	2.2	2.5	**5.9**	**20** D	0.3	<0.2	--	--	--	--	<0.2
	06/07	5	<0.2	<0.2	<0.2	1.4	1.5	2.6	**9.8/9.9**	0.2	<0.2	--	--	--	--	--
	09/07	5	<0.2	<0.2	<0.2	**5.2**	1.9	3.0	**7.9/7.4**	<0.2	<0.2	--	--	--	--	--
	12/07	5	<0.2	<0.2	<0.2	4.5	2.7	**6.8**	**25/23** D	1.0	<0.2	--	--	--	--	--
	03/08	5	<0.2	<0.2	<0.2/<0.2	3.6	2.6	3.0	--	<0.2	<0.2	--	--	--	--	--
	06/08	5	<0.2	<0.2	<0.2	**6.2**	3.3	**6.8**	--	--	<0.2	--	--	--	--	--
	09/08	5	<0.2	<0.2	<0.2/<0.2	**5.8**	3.2	**5.1**	--	--	<0.2	--	--	--	--	--
	12/08	5	<0.2	<0.2	<0.2/<0.2	**8.2**	1.3	4.2	--	--	<0.2	--	--	--	--	--
	02/09	5	--	--	--	--	--	--	--	--	--	<0.2	<0.2	<0.2	--	--
	03/09	5	<0.2	<0.2	<0.2/<0.2	**6.0**	1.0	**5.6**	0.4	<0.2	<0.2	--	--	--	--	--
	06/09	5	<0.2	<0.2	<0.2/<0.2	2.3	1.1	**5.6**	<0.2	<0.2	<0.2	--	--	--	--	--
	09/09	5	<0.2	<0.2	<0.2/<0.2	3.4	0.2	3.3	<0.2	<0.2	<0.2	--	--	--	--	--
	12/09	5	<0.2	<0.2	<0.2/<0.2	1.8	1.0	3.8	0.4	<0.2	<0.2	--	--	--	--	--
	05/10	5	0.2	<0.2	<0.2/<0.2	1.6	0.7	**5.1**	0.4	<0.2	<0.2	--	--	--	--	<0.2
	09/10	5	<0.2	<0.2	<0.2/<0.2	0.8	0.7	4.8	<0.2	<0.2	<0.2	--	--	--	--	
	12/10	5	2.0	0.4	<0.2/<0.2	**11**	1.1	**8.7**	0.3	3.9	<0.2	--	--	--	--	--
	6/11	5	1.7	2.1	<0.2/<0.2	0.2	0.6	**7.0**	<0.2	<0.2	<0.2	--	--	--	--	--

Table 2
Groundwater Analytical Summary - LeatherCare, Greg Thompson Productions, and W. Roy Street Properties
LeatherCare, Inc.
Seattle, Washington

Analyte	Date Sampled	Method A Cleanup Levels [a]	Monitoring Well I.D. [b]														
			GT1	GT2	GT3	LC1	LC2	LC3	LC4 [i]/LC4R	LC5 [i]/LC5R	LC6	LC7	LC8	LC9	Field Blank	Trip Blank
Trichloroethene	05/06	5	0.4	0.6	11	2.8	4	0.6	2.4/2.4	0.5	<0.2	--	--	--	<0.2	<0.2
	09/06	5	0.3	0.6	1.2/1.2	6.5	3	1.2	2.9	0.4	0.3	--	--	--	--	--
	02/07	5	0.4	0.4	6.3/6.9	2.8	1.4	1.2	3.8	1.0	0.2	--	--	--	--	<0.2
	06/07	5	0.2	0.5	2.8	3.2	2.5	1.0	4.8/5.0	0.4	0.3	--	--	--	--	--
	09/07	5	<0.2	0.5	0.6	4.8	1.7	1.8	3.2/3.1	0.4	0.2	--	--	--	--	--
	12/07	5	<0.2	0.5	1.4	6.1	0.5	2.2	1.8/1.8	1.2	<0.2	--	--	--	--	--
	03/08	5	<0.2	0.6	2.6/2.6	4.6	1.3	0.8	--	0.8	<0.2	--	--	--	--	--
	06/08	5	<0.2	0.6	1.5	4.8	4.1	1.6	--	--	0.3	--	--	--	--	--
	09/08	5	<0.2	0.5	1.1/1.0	5.1	2.2	1.2	--	--	0.2	--	--	--	--	--
	12/08	5	<0.2	0.3	0.6/0.6	5.6	0.4	1.2	--	--	0.3	--	--	--	--	--
	02/09	5	--	--	--	--	--	--	--	--	--	<0.2	<0.2	<0.2	--	--
	03/09	5	<0.2	0.3	0.8/0.9	3.9	0.7	1.0	0.7	0.4	0.2	--	--	--	--	--
	06/09	5	<0.2	0.5	1.0/1.1	2.8	1.0	0.8	0.9	0.5	0.2	--	--	--	--	--
	09/09	5	<0.2	0.4	0.8/0.8	2.7	0.9	0.7	0.6	0.5	<0.2	--	--	--	--	--
	12/09	5	<0.2	0.3	0.5/0.5	2.5	0.3	1.1	1.7	1.5	0.3	--	--	--	--	--
	05/10	5	0.3	0.5	0.6/0.5	2.1	0.5	0.7	1.1	0.7	0.3	--	--	--	--	<0.2
	09/10	5	0.4	0.5	0.6/0.6	1.7	0.5	0.8	0.6	0.5	<0.2	--	--	--	--	
	12/10	5	6.0	2.9	0.2/<0.2	34	2.0	1.0	0.3	1.0	0.2	--	--	--	--	--
	6/11	5	9.3	6.3	0.6/0.7	0.8	0.5	0.8	0.8	0.8	0.2	--	--	--	--	--
cis-1,2-Dichloroethene	05/06	80 [f]	4.2	16	49 D	5.9	14	2.4	7.6/7.9	3.4	2.4	--	--	--	<0.2	<0.2
	09/06	80 [f]	3.7	24 D	13/13	15	15	4.3	10	2.5	2.6	--	--	--	--	--
	02/07	80 [f]	4.9	10	35/34 D	6.3	8.4	2.4	7.7	4.9	2.5	--	--	--	--	<0.2
	06/07	80 [f]	3.0	22 D	16	7.6	5.0	2.4	8.6/9.0	1.6	1.8	--	--	--	--	--
	09/07	80 [f]	2.3	18 D	5.0	9.7	6.9	6.4	11/11	1.7	1.7	--	--	--	--	--
	12/07	80 [f]	1.8	12	14	9.9	1.2	8.0	7.7/7.7	4.6	1.7	--	--	--	--	--
	03/08	80 [f]	1.8	18 D	19/19	6.6	2.5	2.1	--	3.3	1.5	--	--	--	--	--
	06/08	80 [f]	2.0	11	15	4.6	7.0	2.7	--	--	1.3	--	--	--	--	--
	09/08	80 [f]	2.1	8.2	20	7.9	5.2	2.9	--	--	1.0	--	--	--	--	--
	12/08	80 [f]	1.9	6.4	9.2/9.8	6.2	1.2	1.6	--	--	0.8	--	--	--	--	--
	02/09	80 [f]	--	--	--	--	--	--	--	--	--	<0.2	<0.2	<0.2	--	--
	03/09	80 [f]	1.7	8.4	6.7/6.8	3.6	1.4	1.0	2.3	1.2	0.5	--	--	--	--	--
	06/09	80 [f]	1.7	12	8.8/9.0	4.1	2.9	1.4	2.6	1.5	0.6	--	--	--	--	--
	09/09	80 [f]	0.9	5.2	7.1/7.4	8.4	4.4	1.8	2.6	1.7	0.7	--	--	--	--	--
	12/09	80 [f]	0.8	2.5	6.4/6.4	4.0	1.3	1.2	2.2	2.2	0.8	--	--	--	--	--
	05/10	80 [f]	1.0	2.6	15/15	3.8	1.4	0.9	1.6	1.4	0.5	--	--	--	--	<0.2
	09/10	80 [f]	1.4	12	9.8/9.6	4.6	1.9	1.5	2.4	1.1	0.6	--	--	--	--	
	12/10	80 [f]	19	23	4.9/4.5	35	1.2	1.1	1.3	1.4	0.9	--	--	--	--	--
	6/11	16 [f]	36	24	9.2/9.5	3.6	1.6	1.1	2.1	1.3	0.5	--	--	--	--	--
trans-1,2-Dichloroethene	05/06	160 [f]	<0.2	5	9.4	<0.2	0.9	<0.2	0.4/0.4	0.2	<0.2	--	--	--	<0.2	<0.2
	09/06	160 [f]	<0.2	6.9	5.4/5.4	0.4	1.3	<0.2	0.5	<0.2	<0.2	--	--	--	--	--
	02/07	160 [f]	0.2	3.3	5.1/5.2	<0.2	0.5	<0.20	0.3	0.3	<0.2	--	--	--	--	<0.2
	06/07	160 [f]	<0.2	4.8	4.5	<0.2	0.6	<0.2	0.4/0.5	<0.2	<0.2	--	--	--	--	--
	09/07	160 [f]	<0.2	5.3	2.4	<0.2	0.5	<0.2	0.3/0.4	<0.2	<0.2	--	--	--	--	--
	12/07	160 [f]	<0.2	2.9	4.2	<0.2	<0.2	<0.2	0.2/0.2	0.3	<0.2	--	--	--	--	--

Table 2
Groundwater Analytical Summary - LeatherCare, Greg Thompson Productions, and W. Roy Street Properties
LeatherCare, Inc.
Seattle, Washington

Analyte	Date Sampled	Method A Cleanup Levels [a]	Monitoring Well I.D. [b]													
			GT1	GT2	GT3	LC1	LC2	LC3	LC4 [1]/LC4R	LC5 [1]/LC5R	LC6	LC7	LC8	LC9	Field Blank	Trip Blank
trans-1,2-Dichloroethene	03/08	160 [f]	<0.2	3.1	3.3/3.1	<0.2	<0.2	<0.2	--	<0.2	<0.2	--	--	--	--	--
(cont.)	06/08	160 [f]	<0.2	3.9	4.6	<0.2	<0.2	<0.2	--	--	<0.2	--	--	--	--	--
	09/08	160 [f]	<0.2	2.9	5.9/5.2	0.4	0.3	<0.2	--	--	<0.2	--	--	--	--	--
	12/08	160 [f]	<0.2	1.8	2.3/2.6	0.2	<0.2	<0.2	--	--	<0.2	--	--	--	--	--
	02/09	160 [f]	--	--	--	--	--	--	--	--	--	<0.2	<0.2	<0.2	--	--
	03/09	160 [f]	<0.2	2.0	1.9/2.0	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	--	--	--	--	--
	06/09	160 [f]	<0.2	3.2	4.2/4.3	<0.2	0.2	<0.2	0.2	<0.2	<0.2	--	--	--	--	--
	09/09	160 [f]	<0.2	1.7	3.9/3.9	<0.2	0.3	<0.2	0.3	<0.2	<0.2	--	--	--	--	--
	12/09	160 [f]	<0.2	1.0	1.6/1.5	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	--	--	--	--	--
	05/10	160 [f]	<0.2	1.1	2.6/2.6	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	--	--	--	--	<0.2
	09/10	160 [f]	<0.2	2.1	2.1/2.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	--	--	--	--	
	12/10	160 [f]	<0.2	1.2	1.3/1.2	1.2	<0.2	<0.2	0.2	<0.2	<0.2	--	--	--	--	--
	6/11	160 [f]	0.3	1.9	1.4/1.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--
1,1-Dichloroethene	05/06	72 [f]	<0.2	<0.2	**0.3**	<0.2	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	--	--	--	<0.2	<0.2
	09/06	400 [f]	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--
	02/07	400 [f]	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	--	--	--	--	<0.2
	06/07	400 [f]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	--	--	--	--	--
	09/07	400 [f]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2<0.2	<0.2	<0.2	--	--	--	--	--
	12/07	400 [f]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	--	--	--	--	--
	03/08	400 [f]	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	<0.2	--	<0.2	<0.2	--	--	--	--	--
	06/08	400 [f]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	--	--	<0.2	--	--	--	--	--
	09/08	400 [f]	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	<0.2	--	--	<0.2	--	--	--	--	--
	12/08	400 [f]	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	<0.2	--	--	<0.2	--	--	--	--	--
	02/09	400 [f]	--	--	--	--	--	--	--	--	--	<0.2	<0.2	<0.2	--	--
	03/09	400 [f]	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--
	06/09	400 [f]	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--
	09/09	400 [f]	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--
	12/09	400 [f]	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--
	05/10	400 [f]	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	--	--	--	--	<0.2
	09/10	400 [f]	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	--	--	--	--	
	12/10	400 [f]	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--
	6/11	400 [f]	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	--	--	--	--	--
Vinyl Chloride	05/06	0.2	<0.2	**19** D	**9.7**	**1.1**	**2.8**	**2**	**2.6/2.6**	**4.8**	**1.2**	--	--	--	<0.2	<0.2
	09/06	0.2	0.2	**35** D	**5.7/5.4**	**3.0**	**3.8**	**1.6**	**1.6**	**2.4**	**1.0**	--	--	--	--	--
	02/07	0.2	<0.2	**14**	**1.9/1.6**	**0.7**	**3.1**	**1.8**	**1.2**	**3.3**	**1.9**	--	--	--	--	<0.2
	06/07	0.2	<0.2	**12**	**2.3**	**0.9**	**1.8**	**0.6**	**1.2/1.2**	**1.5**	**0.7**	--	--	--	--	--
	09/07	0.2	<0.2	**22** D	**2.1**	**1.4**	**1.4**	**1.0**	**0.8/0.8**	**1.3**	**0.3**	--	--	--	--	--
	12/07	0.2	<0.2	**13**	**16**	**1.4**	<0.2	**5.6**	**1.2/1.1**	**3.5**	**1.8**	--	--	--	--	--
	03/08	0.2	<0.2	**12**	**2.8/2.4**	**0.7**	**0.3**	**0.8**	--	**1.9**	**1.1**	--	--	--	--	--
	06/08	0.2	<0.2	**18**	**4.8**	**0.3**	**0.5**	**0.9**	--	--	0.2	--	--	--	--	--
	09/08	0.2	<0.2	**16**	**5.2/4.6**	**0.9**	**1.1**	**0.9**	--	--	0.2	--	--	--	--	--
	12/08	0.2	<0.2	**11**	**1.7/1.8**	**0.6**	<0.2	**0.8**	--	--	<0.2	--	--	--	--	--

Table 2
Groundwater Analytical Summary - LeatherCare, Greg Thompson Productions, and W. Roy Street Properties
LeatherCare, Inc.
Seattle, Washington

Analyte	Date Sampled	Method A Cleanup Levels [a]	Monitoring Well I.D. [b]													
			GT1	GT2	GT3	LC1	LC2	LC3	LC4 [l]/LC4R	LC5 [l]/LC5R	LC6	LC7	LC8	LC9	Field Blank	Trip Blank
Vinyl Chloride	02/09	0.2	--	--	--	--	--	--	--	--	--	<0.2	<0.2	<0.2	--	--
(cont.)	03/09	0.2	<0.2	**9.2**	**1.0/1.0**	**0.4**	**0.3**	**0.3**	**1.3**	**1.6**	<0.2	--	--	--	--	--
	06/09	0.2	<0.2	**17**	**3.8/4.7**	**0.8**	**1.0**	**0.3**	**1.5**	**2.2**	<0.2	--	--	--	--	--
	09/09	0.2	<0.2	**6.9**	**4.9/4.9**	**1.6**	**1.2**	**0.6**	**1.4**	**2.4**	<0.2	--	--	--	--	--
	12/09	0.2	<0.2	**3.7**	**2.5/2.6**	**0.4**	0.2	**0.3**	**1.2**	**1.4**	<0.2	--	--	--	--	--
	05/10	0.2	**0.5**	**1.7**	**1.7/1.6**	**0.4**	**0.4**	0.2	**0.9**	**1.1**	<0.2	--	--	--	--	<0.2
	09/10	0.2	**1.0**	**5.8**	**4.4/4.4**	**0.4**	**0.7**	**0.4**	**1.4**	**1.1**	<0.2	--	--	--	--	
	12/10	0.2	**0.7**	**1.1**	**4.0/3.4**	**3.4**	<0.2	**0.7**	**1.0**	**1.2**	**0.7**	--	--	--	--	--
	6/11	0.2	**1.0**	**3.8**	**1.5/1.5**	**0.4**	**0.5**	0.2	**1.1**	**0.8**	<0.2	--	--	--	--	--
1,1,1-Trichloroethane	05/06	200	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2/<0.2	<0.2	<0.2	--	--	--	<0.2	<0.2
1,1,2-Trichloroethane	05/06	0.77 [f]	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	--	--	--	<0.2	<0.2
1,1-Dichloroethane	05/06	800 [f]	<0.2	<0.2	<0.2	<0.2	0.9	<0.2	0.4/0.4	<0.2	<0.2	--	--	--	<0.2	<0.2
Benzene	05/06	5	<0.2	1.5	1.4	<0.2	0.4	<0.2	0.7/0.6	<0.2	<0.2	--	--	--	<0.2	<0.2
Toluene	05/06	1,000	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	--	--	--	0.4	<0.2
Dibromochloromethane	05/06	0.52 [f]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	--	--	--	<0.2	<0.2
tert-Butylbenzene	05/06	N/A	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2/<0.2	<0.2	<0.2	--	--	--	<0.2	<0.2
Acetone	05/06	800 [f]	3.4 M	5.3 M	<1.0	1.5	2.3	1.3	1.5/1.7	2.1	1.7	--	--	--	5.2	1.5
Methylene Chloride	05/06	5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3/<0.3	<0.3	<0.3	--	--	--	<0.3	0.4

Notes:

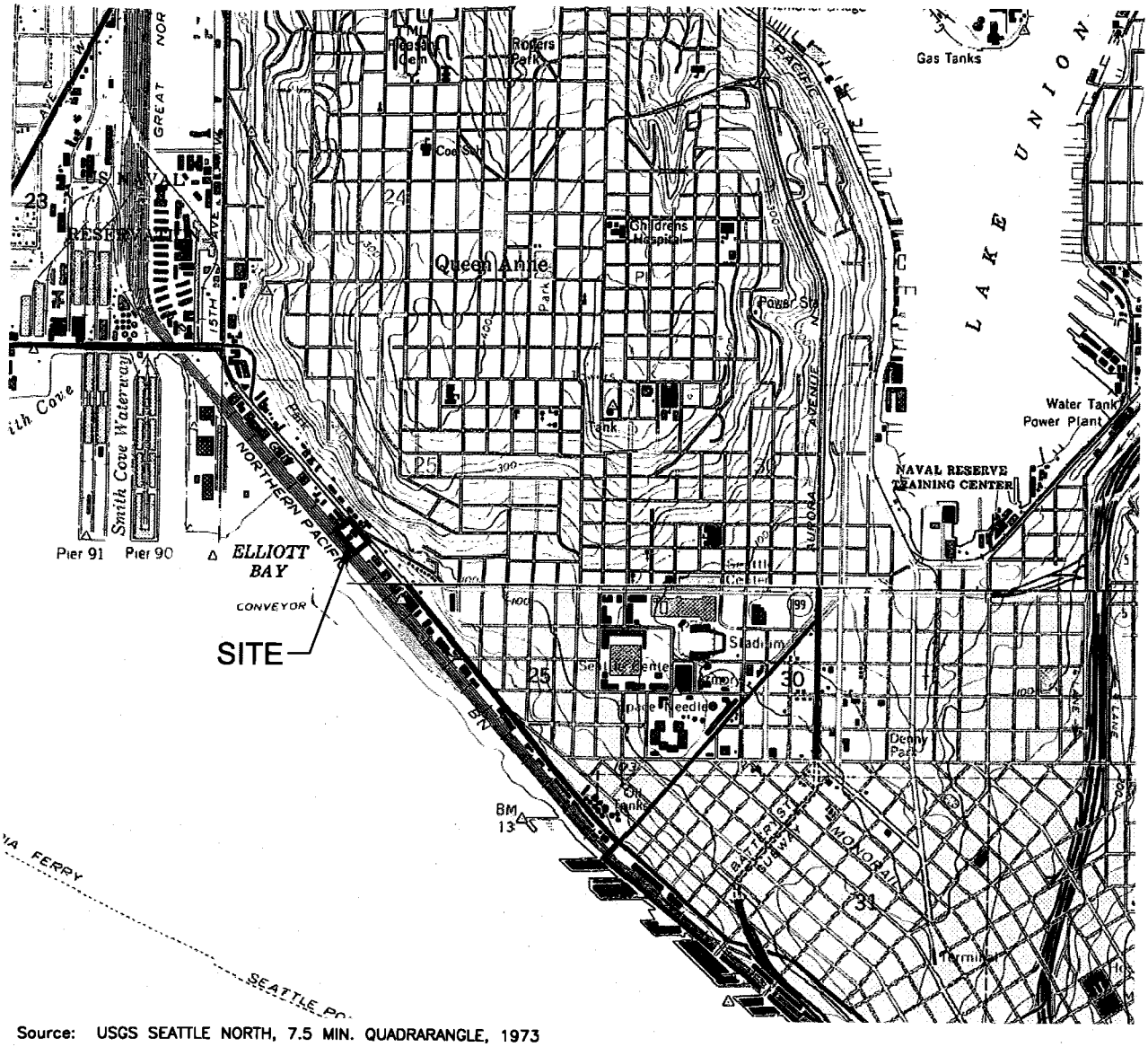
Bold and boxed values exceed Method A/B cleanup level.
* Turbidity meter malfunctioned; judged to be <10 NTU prior to sampling based on clarity of water.
** Data not usable due to meter malfunction.
a) Washington Administrative Code Chapter 173-340, Model Toxics Control Act Cleanup Regulation, promulgated August 15, 2001. Method A suggested groundwater cleanup level used when available.
b) Second set of concentrations are from blind duplicate samples.
c) Water in LC2 had a strong hydrogen sulfide odor and would not clear up fully; suspect turbidity is suspended organics.
d) Silver-silver chloride reference electrode.
e) + means dehalococcoides detected; - means dehalococcoides not detected.
f) Method B cleanup level from Washington Dept. of Ecology's Cleanup Levels and Risk Calculations (CLARC) tables.
Concentrations in these tables are periodically updated. Most recent update was on April 13, 2011
g) Dissolved oxygen meter not working correctly. Measurements, when provided, were taken on 2/20/07 and were in situ down hole measurements.
h) Turbidity readings taken from flow-cell and high turbidity readings influenced by biofloc.
i) Resampled and reanalyzed for TPH on February 20, 2007. The TPH analyses were run with a silica gel cleanup to remove interference by potential naturally occurring organics.
j) Value believed to be incorrect.
k) Turbidity influenced by biofloc.
l) Destroyed by construction.
m) "10" standard was checked and confirmed the correct instrument reading.

°C - degrees Celsius.
mV - millivolts.
NTU - Nephelometric turbidity units.
ORP - oxidation reduction potential.
N/A - not applicable.
µS/cm - microsiemens per centimeter.
µg/L - micrograms per liter.
mg/L - milligrams per liter.
ppm - parts par million.
J - estimated value.
D - value from a diluted sample.
M - estimated amount of analyte found and confirmed by analyst but with low GC/MS spectral match.
-- not analyzed or not measured.
< - analyte not detected at or greater than the listed concentration.

Table 3
Mann-Kendall Statistical Summary
LeatherCare, Inc.
Seattle, Washington

		GT1 Monitoring Well	GT2 Monitoring Well	GT3 Monitoring Well	LC1 Monitoring Well	LC2 Monitoring Well	LC3 Monitoring Well	LC4 Monitoring Well	LC5 Monitoring Well	LC6 Monitoring Well
Tetrachloroethene	Count (data)	18	18	18	18	18	18	14	13	16
	Count (nondetects)	15	16	15	0	0	0	4	9	16
	S Statistic	NC	NC	NC	-15	-96	55	-52	NC	NC
	Var(S)	NC	NC	NC	697	694	693	321	NC	NC
	Trend	NC	NC	NC	Decreasing	Decreasing	Increasing	Decreasing	NC	NC
	Probability (of no real trend)	NC	NC	NC	29.80%	0.02%	2.01%	0.22%	NC	NC
Trichloroethene	Count (data)	18	18	18	18	18	18	14	13	16
	Count (nondetects)	10	0	0	0	0	0	0	0	5
	S Statistic	NC	-13	-97	-51	-69	-43	-52	14	4
	Var(S)	NC	650	678	692	688	675	333	251	340
	Trend	NC	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Increasing	Increasing
	Probability (of no real trend)	NC	31.90%	0.01%	2.87%	0.48%	5.30%	0.26%	20.61%	43.54%
1,1-Dichloroethene	Count (data)	18	22	18	18	18	18	14	13	16
	Count (nondetects)	18	22	17	18	18	18	14	13	16
	S Statistic	NC	NC	NC	NC	NC	NC	NC	NC	NC
	Var(S)	NC	NC	NC	NC	NC	NC	NC	NC	NC
	Trend	NC	NC	NC	NC	NC	NC	NC	NC	NC
	Probability (of no real trend)	NC	NC	NC	NC	NC	NC	NC	NC	NC
cis-1,2-Dichloroethene	Count (data)	18	18	18	18	18	18	14	13	16
	Count (nondetects)	0	0	0	0	0	0	0	0	0
	S Statistic	-57	-34	-63	-47	-75	-85	-57	-37	-96
	Var(S)	695	691	695	695	692	692	332	268	489
	Trend	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing
	Probability (of no real trend)	1.68%	10.47%	0.93%	4.05%	0.25%	0.07%	0.11%	1.39%	0.00%
trans-1,2-Dichloroethene	Count (data)	18	18	18	18	18	18	14	13	16
	Count (nondetects)	17	0	0	14	10	18	2	9	16
	S Statistic	NC	-97	-101	NC	NC	NC	-49	NC	NC
	Var(S)	NC	695	695	NC	NC	NC	264	NC	NC
	Trend	NC	Decreasing	Decreasing	NC	NC	NC	Decreasing	NC	NC
	Probability (of no real trend)	NC	0.01%	0.01%	NC	NC	NC	0.16%	NC	NC
Vinyl Chloride	Count (data)	18	18	18	18	18	18	14	13	16
	Count (nondetects)	13	0	0	0	3	0	0	0	7
	S Statistic	NC	-102	-36	-42	-63	-94	-26	-38	-66
	Var(S)	NC	696	696	677	686	689	324	267	401
	Trend	NC	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing	Decreasing
	Probability (of no real trend)	NC	0.01%	9.23%	5.76%	0.90%	0.02%	8.24%	1.17%	0.06%

Figures



Source: USGS SEATTLE NORTH, 7.5 MIN. QUADRARANGLE, 1973

N

0 2000

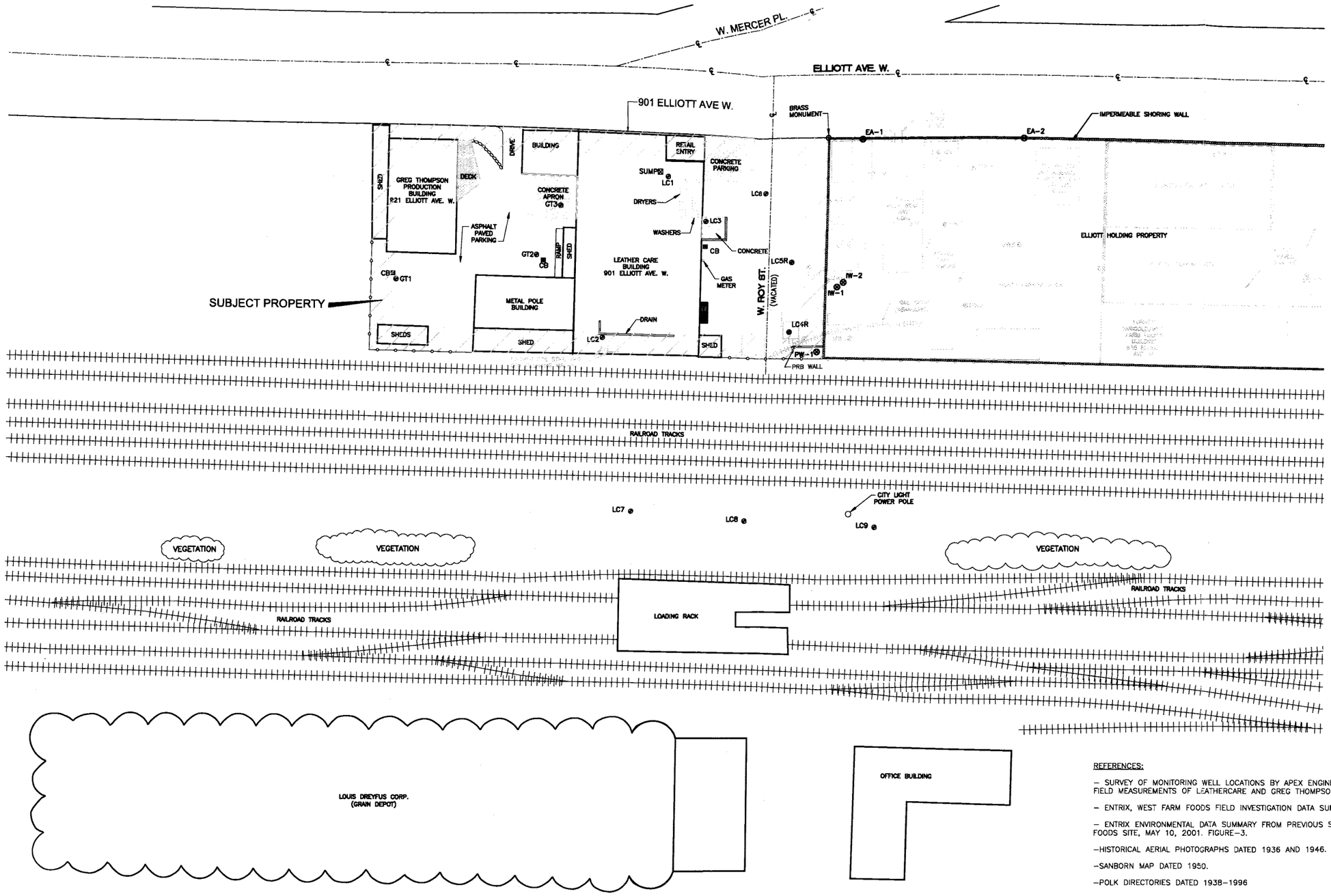
Scale in Feet

P:\59679\68247\ Fig-1 Sept 1 2010 07/28/11 14:24 riehlepj

CDM

LEATHERCARE INC.
SEATTLE, WASHINGTON

Figure No. 1
Location Map



LEGEND:

- LC6 ⊕ MONITORING WELL LOCATION AND DESIGNATION
- MONITORING WELL DESTROYED FOR REDEVELOPMENT OF PROPERTY
- EA-1 ⊗ ELLIOTT HOLDING MONITORING WELL LOCATION AND DESIGNATION
- FENCE
- ROAD CENTERLINE
- RAILROAD TRACKS
- CB ■ CATCH BASIN
- HISTORICAL FEATURES
- SURVEY MONUMENT

VERTICAL DATUM:

CITY OF SEATTLE (NAVD 88)
BENCHMARK SNV-5144
BRASS MONUMENT SW CORNER OF ROY AND ELLIOTT. ELEVATION 19.78'

BASIS OF BEARING:

BASIS OF BEARING ASSUMED DUE WEST

N

1" = 80'

40 0 80

REFERENCES:

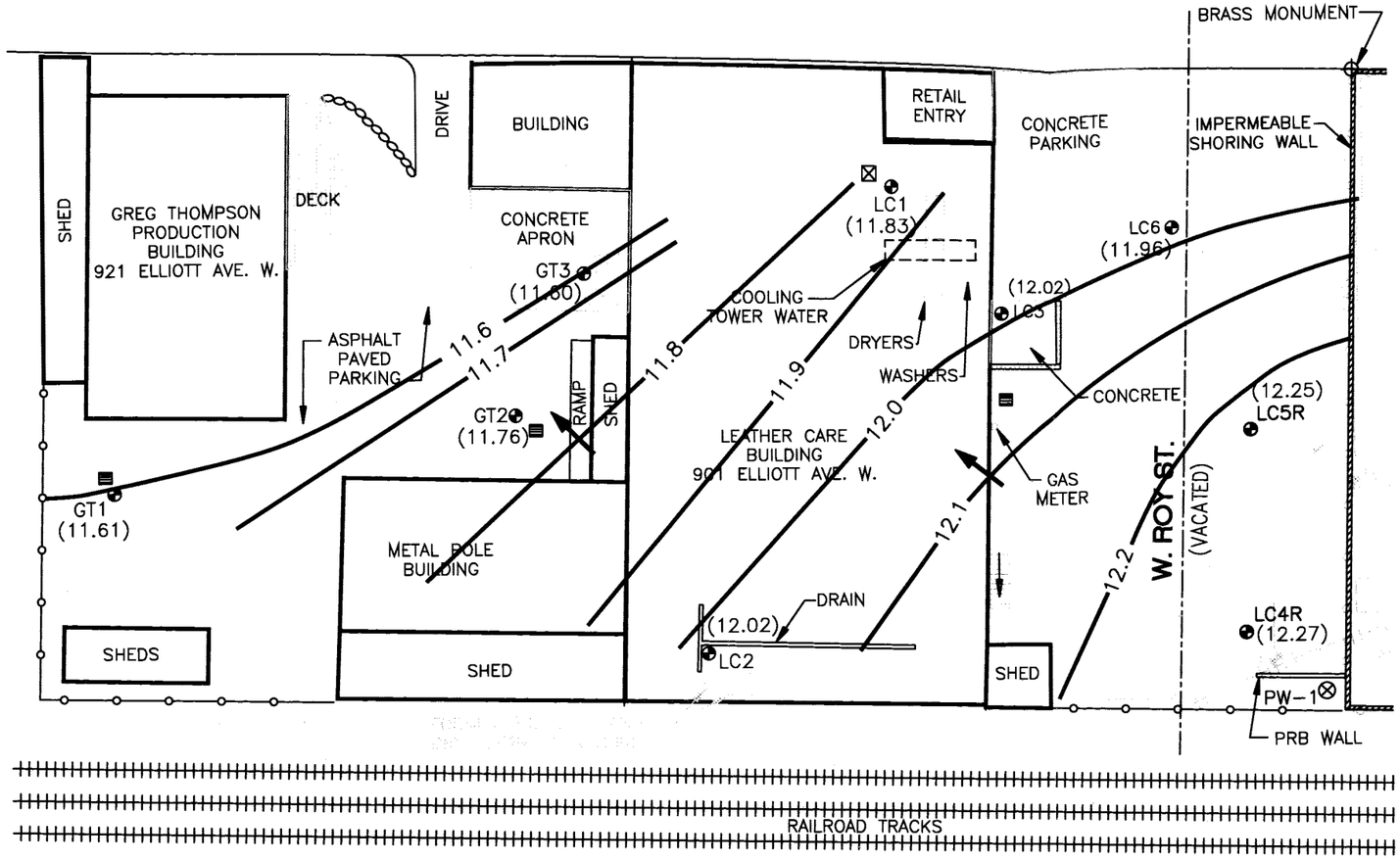
- SURVEY OF MONITORING WELL LOCATIONS BY APEX ENGINEERING ON MAY 10, 2006 AND FEBRUARY 11, 2009. FIELD MEASUREMENTS OF LEATHERCARE AND GREG THOMPSON PRODUCTION BUILDINGS BY CDM ON MAY 10, 2006.
- ENTRIX, WEST FARM FOODS FIELD INVESTIGATION DATA SUMMARY REPORT, MAY 10, 2001, FIGURE 2.
- ENTRIX ENVIRONMENTAL DATA SUMMARY FROM PREVIOUS STUDIES AND REPORTS, WEST FARM FOODS SITE, MAY 10, 2001. FIGURE-3.
- HISTORICAL AERIAL PHOTOGRAPHS DATED 1936 AND 1946.
- SANBORN MAP DATED 1950.
- POLK DIRECTORIES DATED 1938-1996

P:\59679\68247\ Fig-2-Sept 1 2010 10/28/10 08:19 riehlepj XREFS: Dec 16 2009 site, 11X17BDR riehlepj

CDM

LEATHERCARE INC.
SEATTLE, WASHINGTON

Figure No. 2
Site and Vicinity Map



REFERENCES:

- SURVEY OF MONITORING WELL LOCATIONS BY APEX ENGINEERING ON MAY 10, 2006 AND FEBRUARY 11, 2009. FIELD MEASUREMENTS OF LEATHERCARE AND GREG THOMPSON PRODUCTION BUILDINGS BY CDM ON MAY 10, 2006.
- ENTRIX, WEST FARM FOODS FIELD INVESTIGATION DATA SUMMARY REPORT, MAY 10, 2001, FIGURE 2.
- ENTRIX ENVIRONMENTAL DATA SUMMARY FROM PREVIOUS STUDIES AND REPORTS, WEST FARM FOODS SITE, MAY 10, 2001. FIGURE-3.
- -HISTORICAL AERIAL PHOTOGRAPHS DATED 1936 AND 1946.
- -SANBORN MAP DATED 1950.
- -POLK DIRECTORIES DATED 1938-1996

N

1" = 40'

20 0 40

LEGEND:

- LC6 (11.96) — MONITORING WELL LOCATION AND DESIGNATION WITH GROUNDWATER ELEVATION IN FEET
- 11.7 — POTENTIOMETRIC CONTOURS, CONTOUR INTERVAL IS 0.1 FT. (AVERAGE)
- DIRECTION OF GROUNDWATER FLOW
- FENCE
- RAILROAD TRACKS
- CATCH BASIN
- HISTORICAL FEATURES
- SURVEY MONUMENT
- CSM IMPERMEABLE WALL

VERTICAL DATUM:

CITY OF SEATTLE (NAVD 88)
BENCHMARK SNV-5144
BRASS MONUMENT SW CORNER OF ROY AND ELLIOTT. ELEVATION 19.78'

BASIS OF BEARING:

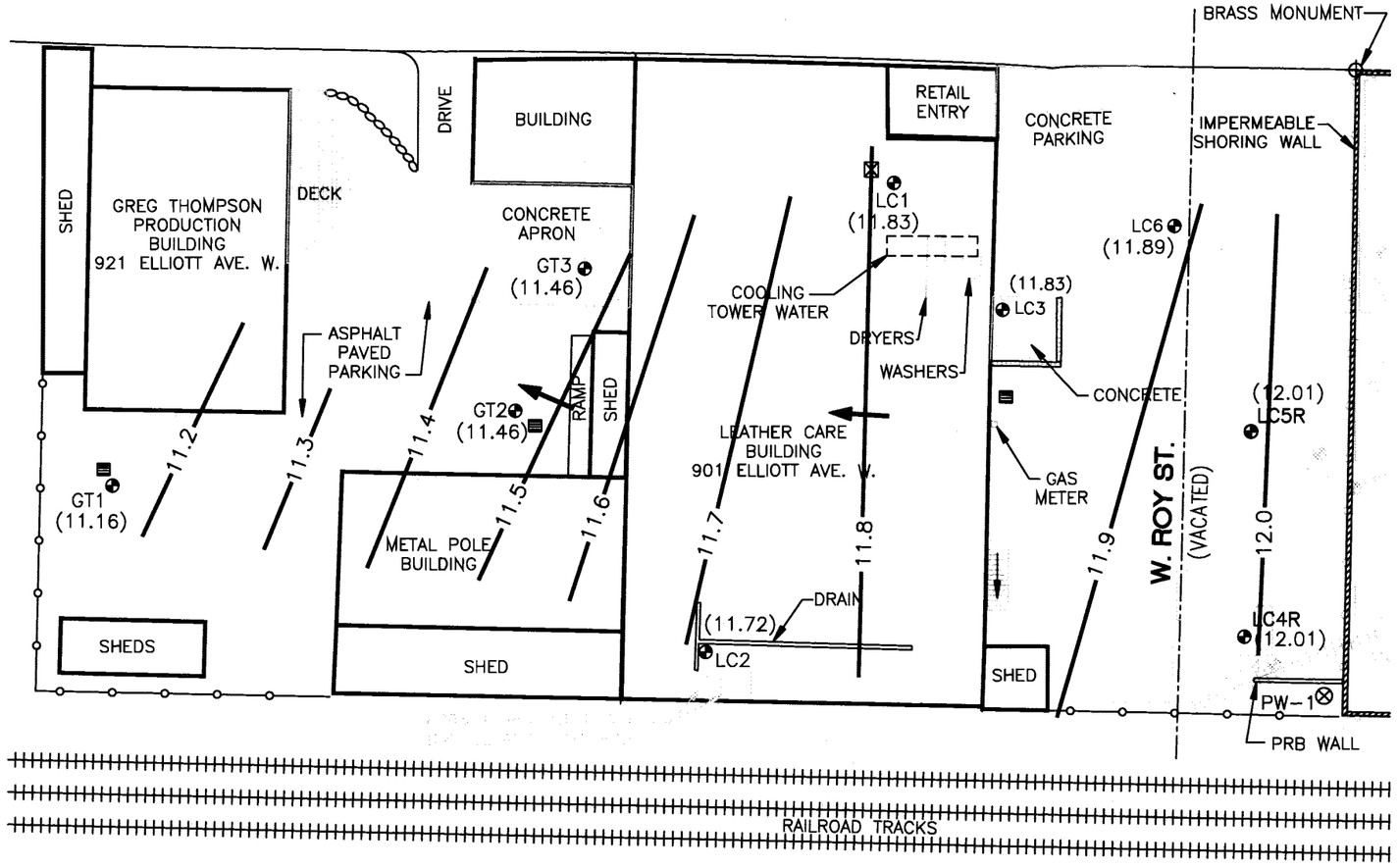
BASIS OF BEARING ASSUMED DUE WEST

LEATHERCARE INC.
SEATTLE, WASHINGTON

Figure No. 3
Potentiometric Surface Map
December 20, 2010

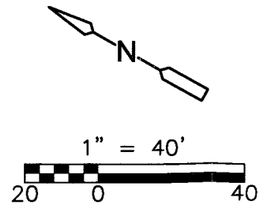
CDM

P:\59679\68247\ Fig-3-Dec 20 2010 09/23/11 10:49 riehlepj XREFS: 11X17BDR, DEC 20 2010-site



REFERENCES:

- SURVEY OF MONITORING WELL LOCATIONS BY APEX ENGINEERING ON MAY 10, 2006 AND FEBRUARY 11, 2009. FIELD MEASUREMENTS OF LEATHERCARE AND GREG THOMPSON PRODUCTION BUILDINGS BY CDM ON MAY 10, 2006.
- ENTRIX, WEST FARM FOODS FIELD INVESTIGATION DATA SUMMARY REPORT, MAY 10, 2001, FIGURE 2.
- ENTRIX ENVIRONMENTAL DATA SUMMARY FROM PREVIOUS STUDIES AND REPORTS, WEST FARM FOODS SITE, MAY 10, 2001. FIGURE-3.
- HISTORICAL AERIAL PHOTOGRAPHS DATED 1936 AND 1946.
- SANBORN MAP DATED 1950.
- POLK DIRECTORIES DATED 1938-1996



LEGEND:

- LC6 (11.89) — MONITORING WELL LOCATION AND DESIGNATION WITH GROUNDWATER ELEVATION IN FEET
- 11.7 — POTENTIOMETRIC CONTOURS, CONTOUR INTERVAL IS 0.1 FT. (AVERAGE)
- DIRECTION OF GROUNDWATER FLOW
- FENCE
- RAILROAD TRACKS
- CATCH BASIN
- HISTORICAL FEATURES
- SURVEY MONUMENT
- CSM IMPERMEABLE WALL

VERTICAL DATUM:

CITY OF SEATTLE (NAVD 88)
BENCHMARK SNV-5144
BRASS MONUMENT SW CORNER OF ROY AND ELLIOTT. ELEVATION 19.78'

BASIS OF BEARING:

BASIS OF BEARING ASSUMED DUE WEST

LEATHERCARE INC.
SEATTLE, WASHINGTON

Figure No. 4
Potentiometric Surface Map
June 27, 2011

CDM

P:\59679\68247\ Fig-4-June 27 2011 09/23/11 10:51 riehlepj XREFS: 11X17BDR, JUNE 27 2011-site

Appendix A

Appendix A

Analytical Laboratory Reports

Analytical Resources, Incorporated
Analytical Chemists and Consultants

December 30, 2010

Pam Morrill
CDM
14432 SE Eastgate Way, Suite 100
Bellevue, WA 98007

RE: Project ID: Leathercare, 56498-68247
ARI Job No: SC13

Dear Pam:

Please find enclosed the original Chain-of-Custody (COC) record, sample receipt documentation, and the final results for samples from the project referenced above. Analytical Resources Inc. (ARI) accepted five water samples and a trip blank on December 21, 2010, under ARI job SC13. The trip blank was held upon receipt, as requested on the COC. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form.

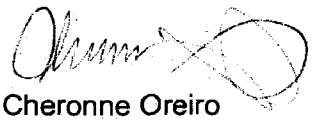
The samples were analyzed for Volatile Organics by SW8260C, as requested.

There were no anomalies associated with the analysis of these samples.

An electronic copy of this report as well as all supporting data will remain on file with ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.



Cheronne Oreiro
Project Manager
(206) 695-6214
cheronneo@arilabs.com
www.arilabs.com

cc: eFile SC13

Enclosures

4611 South 134th Place, Suite 100 • Tukwila WA 98168 • **206-695-6200** • **206-695-6201** fax

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: SC13	Turn-around Requested: Std	Page: 1 of 1	
ARI Client Company: CDM	Phone: 425-519-8300	Date: 12/21/10	Ice Present? Y
Client Contact: Pam Merrill		No. of Coolers: 1	Cooler Temps: 5.5
Client Project Name: Leathercare			
Client Project #: 56498-68247	Samplers: MLF		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: VOAs 8260C	Analysis Requested: MeOH	Notes/Comments
LC1-12/10	12/21/10	0815	Water	3	✓		10-mL purge for lower reporting limits
GT3-12/10		0935		3	✓		
GT2-12/10		1105		3	✓		
GT1-12/10		1200		3	✓		
GT20-12/10		1305		3	✓		
Trip Blank	12/21/10	—	Water	2		✓	

Comments/Special Instructions: Vinyl chloride, 1,1-DCE, trans-1,2-DCE, cis-1,2-DCE, TCE, & PCE

	Relinquished by:	Received by:	Relinquished by:	Received by:
(Signature)	Mary Lou Fox			
Printed Name:	Mary Lou Fox	Jennifer M. Ilsap		
Company:	CDM	ARI		
Date & Time:	12/21/10 1425	12/21/10 1425		

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: COM Project Name: Leathercare

COC No(s): _____ (NA) Delivered by: Fed-Ex UPS Courier (Hand Delivered) Other: _____

Assigned ARI Job No: SC13 Tracking No: _____ (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler?	YES	(NO)
Were custody papers included with the cooler?	(YES)	NO
Were custody papers properly filled out (ink, signed, etc.)	(YES)	NO

Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry)..... 5.5 ___ ___ ___ ___

If cooler temperature is out of compliance fill out form 00070F Temp Gun ID#: 90941619

Cooler Accepted by: JM Date: 12/21/10 Time: 1425

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?		YES	(NO)
What kind of packing material was used? ... Bubble Wrap (Wet Ice) Gel Packs Baggies (Foam Block) Paper Other: _____			
Was sufficient ice used (if appropriate)?	NA	(YES)	NO
Were all bottles sealed in individual plastic bags?		YES	(NO)
Did all bottles arrive in good condition (unbroken)?		(YES)	NO
Were all bottle labels complete and legible?		(YES)	NO
Did the number of containers listed on COC match with the number of containers received?		(YES)	NO
Did all bottle labels and tags agree with custody papers?		(YES)	NO
Were all bottles used correct for the requested analyses?		(YES)	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)...	(NA)	YES	NO
Were all VOC vials free of air bubbles?	NA	(YES)	NO
Was sufficient amount of sample sent in each bottle?		(YES)	NO
Date VOC Trip Blank was made at ARI	NA	12/15/10	

Was Sample Split by ARI : (NA) YES Date/Time: _____ Equipment: _____ Split by: _____

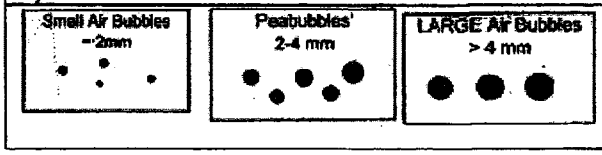
Samples Logged by: JM Date: 12/21/10 Time: 1526

*** Notify Project Manager of discrepancies or concerns ***

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

By: Date:



Small → "sm"
Peabubbles → "pb"
Large → "lg"
Headspace → "hs"

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LC1-12/10**
Page 1 of 1 **SAMPLE**

Lab Sample ID: SC13A
LIMS ID: 10-31756
Matrix: Water
Data Release Authorized:
Reported: 12/30/10

QC Report No: SC13-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 12/21/10
Date Received: 12/21/10

Instrument/Analyst: NT5/PAB
Date Analyzed: 12/27/10 14:02

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**0.2**	**3.4**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**1.2**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**35**	
79-01-6	**Trichloroethene**	**0.2**	**34**	
127-18-4	**Tetrachloroethene**	**0.2**	**11**	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	91.2%
Bromofluorobenzene	87.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: GT3-12/10**
Page 1 of 1 **SAMPLE**

Lab Sample ID: SC13B
LIMS ID: 10-31757
Matrix: Water
Data Release Authorized:
Reported: 12/30/10

QC Report No: SC13-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 12/21/10
Date Received: 12/21/10

Instrument/Analyst: NT5/PAB
Date Analyzed: 12/27/10 14:57

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**0.2**	**4.0**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**1.3**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**4.9**	
79-01-6	**Trichloroethene**	**0.2**	**0.2**	
127-18-4	Tetrachloroethene	0.2	< 0.2	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	103%
d8-Toluene	95.0%
Bromofluorobenzene	87.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: GT2-12/10**
Page 1 of 1 **SAMPLE**

Lab Sample ID: SC13C
LIMS ID: 10-31758
Matrix: Water
Data Release Authorized:
Reported: 12/30/10

QC Report No: SC13-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 12/21/10
Date Received: 12/21/10

Instrument/Analyst: NT5/PAB
Date Analyzed: 12/27/10 15:51

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**0.2**	**1.1**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**1.2**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**23**	
79-01-6	**Trichloroethene**	**0.2**	**2.9**	
127-18-4	**Tetrachloroethene**	**0.2**	**0.4**	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	97.9%
d8-Toluene	92.9%
Bromofluorobenzene	87.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: GT1-12/10**
Page 1 of 1 **SAMPLE**

Lab Sample ID: SC13D
LIMS ID: 10-31759
Matrix: Water
Data Release Authorized:
Reported: 12/30/10

QC Report No: SC13-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 12/21/10
Date Received: 12/21/10

Instrument/Analyst: NT5/PAB
Date Analyzed: 12/27/10 16:18

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**0.2**	**0.7**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**19**	
79-01-6	**Trichloroethene**	**0.2**	**6.0**	
127-18-4	**Tetrachloroethene**	**0.2**	**2.0**	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	100%
d8-Toluene	93.1%
Bromofluorobenzene	85.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: GT20-12/10**
Page 1 of 1 **SAMPLE**

Lab Sample ID: SC13E
LIMS ID: 10-31760
Matrix: Water
Data Release Authorized:
Reported: 12/30/10

QC Report No: SC13-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 12/21/10
Date Received: 12/21/10

Instrument/Analyst: NT5/PAB
Date Analyzed: 12/27/10 16:45

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**0.2**	**3.4**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**1.2**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**4.5**	
79-01-6	Trichloroethene	0.2	< 0.2	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	95.8%
Bromofluorobenzene	90.0%

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: SC13-CDM, Inc.
Project: Leathercare
56498-68247

ARI ID	Client ID	PV	DCE	TOL	BFB	DCB	TOT OUT
MB-122710	Method Blank	10	96.8%	94.9%	90.9%	NA	0
LCS-122710	Lab Control	10	95.0%	94.3%	94.8%	NA	0
LCSD-122710	Lab Control Dup	10	95.8%	95.1%	96.2%	NA	0
SC13A	LC1-12/10	10	102%	91.2%	87.7%	NA	0
SC13B	GT3-12/10	10	103%	95.0%	87.2%	NA	0
SC13C	GT2-12/10	10	97.9%	92.9%	87.6%	NA	0
SC13D	GT1-12/10	10	100%	93.1%	85.7%	NA	0
SC13E	GT20-12/10	10	102%	95.8%	90.0%	NA	0

SW8260C	LCS/MB LIMITS	QC LIMITS
(DCE) = d4-1,2-Dichloroethane	80-120	80-120
(TOL) = d8-Toluene	80-120	80-120
(BFB) = Bromofluorobenzene	80-120	80-120
(DCB) = d4-1,2-Dichlorobenzene	80-120	80-120

Prep Method: SW5030B
Log Number Range: 10-31756 to 10-31760

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-122710**
Page 1 of 1 **LAB CONTROL SAMPLE**

Lab Sample ID: LCS-122710
LIMS ID: 10-31756
Matrix: Water
Data Release Authorized:
Reported: 12/30/10

QC Report No: SC13-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: NT5/PAB
LCSD: NT5/PAB
Date Analyzed LCS: 12/27/10 09:58
LCSD: 12/27/10 11:20

Sample Amount LCS: 10.0 mL
LCSD: 10.0 mL
Purge Volume LCS: 10.0 mL
LCSD: 10.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Vinyl Chloride	9.6	10.0	96.0%	9.7	10.0	97.0%	1.0%
1,1-Dichloroethene	9.5	10.0	95.0%	10.4	10.0	104%	9.0%
trans-1,2-Dichloroethene	9.2	10.0	92.0%	9.6	10.0	96.0%	4.3%
cis-1,2-Dichloroethene	9.4	10.0	94.0%	9.8	10.0	98.0%	4.2%
Trichloroethene	9.2	10.0	92.0%	9.8	10.0	98.0%	6.3%
Tetrachloroethene	9.5	10.0	95.0%	10.1	10.0	101%	6.1%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	95.0%	95.8%
d8-Toluene	94.3%	95.1%
Bromofluorobenzene	94.8%	96.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-122710**
Page 1 of 1 **METHOD BLANK**

Lab Sample ID: MB-122710
LIMS ID: 10-31756
Matrix: Water
Data Release Authorized:
Reported: 12/30/10

QC Report No: SC13-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: NA
Date Received: NA

Instrument/Analyst: NT5/PAB
Date Analyzed: 12/27/10 10:25

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	96.8%
d8-Toluene	94.9%
Bromofluorobenzene	90.9%

Analytical Resources, Incorporated
Analytical Chemists and Consultants

December 30, 2010

Pam Morrill
CDM
14432 SE Eastgate Way, Suite 100
Bellevue, WA 98007

RE: Project ID: Leathercare, 56498-68247
ARI Job No: SB85

Dear Pam:

Please find enclosed the original Chain-of-Custody (COC) record, sample receipt documentation, and the final results for samples from the project referenced above. Analytical Resources Inc. (ARI) accepted five water samples and a trip blank on December 20, 2010, under ARI job SB85.The trip blank was held upon receipt, as requested on the COC. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form.

The samples were analyzed for Volatile Organics by SW8260C, as requested.

There were no anomalies associated with the analysis of these samples.

An electronic copy of this report as well as all supporting data will remain on file with ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.

Cheronne Oreiro
Project Manager
(206) 695-6214
cheronneo@arilabs.com
www.arilabs.com

cc: eFile SB85

Enclosures

4611 South 134th Place, Suite 100 • Tukwila WA 98168 • 206-695-6200 • 206-695-6201 fax

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: SB85	Turn-around Requested: Std	Page: 1 of 1	
ARI Client Company: CDM	Phone: 425-519-8300	Date: 12/20/10	Ice Present? Y
Client Contact: Pam Morrill		No. of Coolers: 1	Cooler Temps: 3.6
Client Project Name: Leathercare			
Client Project #: 56498-68247	Samplers: MF		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: VOA's 8260C	Hold							Notes/Comments
LC4R-12/10	12/20/10	1105	Water	3	✓								10mL purge for lower reporting limits
LC5R-12/10	"	1330	"	3	✓								
LC2-12/10	"	1525	"	3	✓								
LC6-12/10	"	1425	"	3	✓								
LC3-12/10	"	1620	"	9	✓								Extra vials for LC3-12/10 for MS/MSD
Trip Blank	"	—	"	2		✓							

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
Vinyl chloride, 1,1-DCE, trans-1,2-DCE, cis-1,2-DCE, TCE, & PCE	Printed Name: Mary Lou Fox	Printed Name: Jennifer Millsap	Printed Name:	Printed Name:
	Company: CDM	Company: ARI	Company:	Company:
	Date & Time: 12/20/10 1723	Date & Time: 12/20/10 1723	Date & Time:	Date & Time:

SB85

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: COM Project Name: Leathercare

COC No(s): _____ (NA) Delivered by: Fed-Ex UPS Courier Hand Delivered Other: _____

Assigned ARI Job No: SB85 Tracking No: _____ (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler?	YES	(NO)
Were custody papers included with the cooler?	(YES)	NO
Were custody papers properly filled out (ink, signed, etc.)	(YES)	NO
Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry)	3.6	

If cooler temperature is out of compliance fill out form 00070F Temp Gun ID#: 90941619

Cooler Accepted by: JM Date: 12/20/10 Time: 1723

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?		YES	(NO)
What kind of packing material was used?	Bubble Wrap (Wet Ice) Gel Packs Baggies (Foam Block) Paper Other:		
Was sufficient ice used (if appropriate)?	NA	(YES)	NO
Were all bottles sealed in individual plastic bags?		YES	(NO)
Did all bottles arrive in good condition (unbroken)?		(YES)	NO
Were all bottle labels complete and legible?		(YES)	NO
Did the number of containers listed on COC match with the number of containers received?		(YES)	NO
Did all bottle labels and tags agree with custody papers?		(YES)	NO
Were all bottles used correct for the requested analyses?		(YES)	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)	(NA)	YES	NO
Were all VOC vials free of air bubbles?	NA	YES	(NO)
Was sufficient amount of sample sent in each bottle?		(YES)	NO
Date VOC Trip Blank was made at ARI	NA	12/15/10	

Was Sample Split by ARI : (NA) YES Date/Time: _____ Equipment: _____ Split by: _____

Samples Logged by: AV Date: 12/21/10 Time: 739

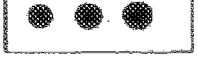
***** Notify Project Manager of discrepancies or concerns *****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

LC6-12/10 = 1pb

By: AV Date: 12/21/10

Small Air Bubbles ~2mm	Peabubbles 2-4 mm	LARGE Air Bubbles > 4 mm
		

Small → "sm"
Peabubbles → "pb"
Large → "lg"
Headspace → "hs"

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LC4R-12/10**
Page 1 of 1 **SAMPLE**

Lab Sample ID: SB85A
LIMS ID: 10-31663
Matrix: Water
Data Release Authorized:
Reported: 12/30/10

QC Report No: SB85-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 12/20/10
Date Received: 12/20/10

Instrument/Analyst: NT5/PAB
Date Analyzed: 12/27/10 11:47

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**0.2**	**1.0**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**0.2**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**1.3**	
79-01-6	**Trichloroethene**	**0.2**	**0.3**	
127-18-4	**Tetrachloroethene**	**0.2**	**0.3**	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	95.5%
d8-Toluene	94.8%
Bromofluorobenzene	90.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LC5R-12/10**
Page 1 of 1 **SAMPLE**

Lab Sample ID: SB85B
LIMS ID: 10-31664
Matrix: Water
Data Release Authorized:
Reported: 12/30/10

QC Report No: SB85-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 12/20/10
Date Received: 12/20/10

Instrument/Analyst: NT5/PAB
Date Analyzed: 12/27/10 12:14

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**0.2**	**1.2**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**1.4**	
79-01-6	**Trichloroethene**	**0.2**	**1.0**	
127-18-4	**Tetrachloroethene**	**0.2**	**3.9**	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.5%
d8-Toluene	94.7%
Bromofluorobenzene	92.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LC2-12/10**
Page 1 of 1 **SAMPLE**

Lab Sample ID: SB85C
LIMS ID: 10-31665
Matrix: Water
Data Release Authorized:
Reported: 12/30/10

QC Report No: SB85-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 12/20/10
Date Received: 12/20/10

Instrument/Analyst: NT5/PAB
Date Analyzed: 12/27/10 12:41

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**1.2**	
79-01-6	**Trichloroethene**	**0.2**	**2.0**	
127-18-4	**Tetrachloroethene**	**0.2**	**1.1**	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	101%
d8-Toluene	94.2%
Bromofluorobenzene	88.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LC6-12/10**
Page 1 of 1 **SAMPLE**

Lab Sample ID: SB85D
LIMS ID: 10-31666
Matrix: Water
Data Release Authorized:
Reported: 12/30/10

QC Report No: SB85-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 12/20/10
Date Received: 12/20/10

Instrument/Analyst: NT5/PAB
Date Analyzed: 12/27/10 13:08

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**0.2**	**0.7**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**0.9**	
79-01-6	**Trichloroethene**	**0.2**	**0.2**	
127-18-4	Tetrachloroethene	0.2	< 0.2	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	98.0%
d8-Toluene	95.9%
Bromofluorobenzene	90.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LC3-12/10**
Page 1 of 1 **SAMPLE**

Lab Sample ID: SB85E
LIMS ID: 10-31667
Matrix: Water
Data Release Authorized:
Reported: 12/30/10

QC Report No: SB85-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 12/20/10
Date Received: 12/20/10

Instrument/Analyst: NT5/PAB
Date Analyzed: 12/27/10 13:35

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**0.2**	**0.7**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**1.1**	
79-01-6	**Trichloroethene**	**0.2**	**1.0**	
127-18-4	**Tetrachloroethene**	**0.2**	**8.7**	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	97.9%
d8-Toluene	94.6%
Bromofluorobenzene	87.7%

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: SB85-CDM, Inc.
Project: Leathercare
56498-68247

ARI ID	Client ID	PV	DCE	TOL	BFB	DCB	TOT OUT
MB-122710	Method Blank	10	96.8%	94.9%	90.9%	NA	0
LCS-122710	Lab Control	10	95.0%	94.3%	94.8%	NA	0
LCSD-122710	Lab Control Dup	10	95.8%	95.1%	96.2%	NA	0
SB85A	LC4R-12/10	10	95.5%	94.8%	90.5%	NA	0
SB85B	LC5R-12/10	10	99.5%	94.7%	92.2%	NA	0
SB85C	LC2-12/10	10	101%	94.2%	88.4%	NA	0
SB85D	LC6-12/10	10	98.0%	95.9%	90.2%	NA	0
SB85E	LC3-12/10	10	97.9%	94.6%	87.7%	NA	0
SB85EMS	LC3-12/10	10	102%	95.4%	92.2%	NA	0
SB85EMSD	LC3-12/10	10	95.5%	94.8%	94.1%	NA	0

SW8260C	LCS/MB LIMITS	QC LIMITS
(DCE) = d4-1,2-Dichloroethane	80-120	80-120
(TOL) = d8-Toluene	80-120	80-120
(BFB) = Bromofluorobenzene	80-120	80-120
(DCB) = d4-1,2-Dichlorobenzene	80-120	80-120

Prep Method: SW5030B
Log Number Range: 10-31663 to 10-31667

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LC3-12/10**
Page 1 of 1 **MATRIX SPIKE**

Lab Sample ID: SB85E
LIMS ID: 10-31667
Matrix: Water
Data Release Authorized:
Reported: 12/30/10

QC Report No: SB85-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 12/20/10
Date Received: 12/20/10

Instrument/Analyst MS: NT5/PAB
MSD: NT5/PAB
Date Analyzed MS: 12/27/10 17:13
MSD: 12/27/10 17:40

Sample Amount MS: 10.0 mL
MSD: 10.0 mL
Purge Volume MS: 10.0 mL
MSD: 10.0 mL

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Vinyl Chloride	0.7	11.0	10.0	103%	10.5	10.0	98.0%	4.7%
1,1-Dichloroethene	< 0.2 U	10.8	10.0	108%	9.8	10.0	98.0%	9.7%
trans-1,2-Dichloroethene	< 0.2 U	10.2	10.0	102%	9.7	10.0	97.0%	5.0%
cis-1,2-Dichloroethene	1.1	11.5	10.0	104%	10.8	10.0	97.0%	6.3%
Trichloroethene	1.0	10.8	10.0	98.0%	10.6	10.0	96.0%	1.9%
Tetrachloroethene	8.7	17.5	10.0	88.0%	17.3	10.0	86.0%	1.1%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LC3-12/10**
Page 1 of 1 **MATRIX SPIKE**

Lab Sample ID: SB85E
LIMS ID: 10-31667
Matrix: Water
Data Release Authorized:
Reported: 12/30/10

QC Report No: SB85-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 12/20/10
Date Received: 12/20/10

Instrument/Analyst: NT5/PAB
Date Analyzed: 12/27/10 17:13

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.2	---	
75-35-4	1,1-Dichloroethene	0.2	---	
156-60-5	trans-1,2-Dichloroethene	0.2	---	
156-59-2	cis-1,2-Dichloroethene	0.2	---	
79-01-6	Trichloroethene	0.2	---	
127-18-4	Tetrachloroethene	0.2	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	95.4%
Bromofluorobenzene	92.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LC3-12/10**
Page 1 of 1 **MATRIX SPIKE DUP**

Lab Sample ID: SB85E
LIMS ID: 10-31667
Matrix: Water
Data Release Authorized:
Reported: 12/30/10

QC Report No: SB85-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 12/20/10
Date Received: 12/20/10

Instrument/Analyst: NT5/PAB
Date Analyzed: 12/27/10 17:40

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.2	---	
75-35-4	1,1-Dichloroethene	0.2	---	
156-60-5	trans-1,2-Dichloroethene	0.2	---	
156-59-2	cis-1,2-Dichloroethene	0.2	---	
79-01-6	Trichloroethene	0.2	---	
127-18-4	Tetrachloroethene	0.2	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	95.5%
d8-Toluene	94.8%
Bromofluorobenzene	94.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-122710**
Page 1 of 1 **LAB CONTROL SAMPLE**

Lab Sample ID: LCS-122710
LIMS ID: 10-31663
Matrix: Water
Data Release Authorized:
Reported: 12/30/10

QC Report No: SB85-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: NT5/PAB
LCSD: NT5/PAB
Date Analyzed LCS: 12/27/10 09:58
LCSD: 12/27/10 11:20

Sample Amount LCS: 10.0 mL
LCSD: 10.0 mL
Purge Volume LCS: 10.0 mL
LCSD: 10.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Vinyl Chloride	9.6	10.0	96.0%	9.7	10.0	97.0%	1.0%
1,1-Dichloroethene	9.5	10.0	95.0%	10.4	10.0	104%	9.0%
trans-1,2-Dichloroethene	9.2	10.0	92.0%	9.6	10.0	96.0%	4.3%
cis-1,2-Dichloroethene	9.4	10.0	94.0%	9.8	10.0	98.0%	4.2%
Trichloroethene	9.2	10.0	92.0%	9.8	10.0	98.0%	6.3%
Tetrachloroethene	9.5	10.0	95.0%	10.1	10.0	101%	6.1%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	95.0%	95.8%
d8-Toluene	94.3%	95.1%
Bromofluorobenzene	94.8%	96.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-122710**
Page 1 of 1 **METHOD BLANK**

Lab Sample ID: MB-122710
LIMS ID: 10-31663
Matrix: Water
Data Release Authorized:
Reported: 12/30/10

QC Report No: SB85-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: NA
Date Received: NA

Instrument/Analyst: NT5/PAB
Date Analyzed: 12/27/10 10:25

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	96.8%
d8-Toluene	94.9%
Bromofluorobenzene	90.9%

Client Name: Camp Dresser & McKee
Contact: Pam Morrill
Address: 14432 SE Eastgate Way
Suite 100
Bellevue, WA 98007

Lab Proj #: P1012352
Report Date: 01/05/11
Client Proj Name: Leathercare
Client Proj #: 56498-68247

Laboratory Results

Total pages in data package: 12

Lab Sample #	Client Sample ID
P1012352-01	LC4R-12/10
P1012352-02	LC5R-12/10
P1012352-03	LC6-12/10
P1012352-04	LC2-12/10
P1012352-05	LC3-12/10
P1012352-06	LC1-12/10
P1012352-07	GT3-12/10
P1012352-08	GT2-12/10
P1012352-09	GT1-12/10
P1012352-10	GT20-12/10

Microseeps test results meet all the requirements of the NELAC standards or provide reasons and/or justification if they do not.

Approved By: Debbie Hallo (DH) ***Date:*** 1/5/11

Project Manager: Debbie Hallo

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email customerservice@microseeps.com.

Case Narrative:

Client Name: Camp Dresser & McKee
Contact: Pam Morrill
Address: 14432 SE Eastgate Way
Suite 100
Bellevue, WA 98007

Lab Proj #: P1012352
Report Date: 01/05/11
Client Proj Name: Leathercare
Client Proj #: 56498-68247

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
LC4R-12/10	Water	P1012352-01	20 Dec. 10 11:05	22 Dec. 10 13:41

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Ethane	3.700	0.025	ug/L	AM20GAX	1/3/11	rw
N Ethene	1.100	0.025	ug/L	AM20GAX	1/3/11	rw
N Methane	13000.000	0.100	ug/L	AM20GAX	1/3/11	rw

N - NELAC certified analysis
PA02-00538

Client Name: Camp Dresser & McKee
Contact: Pam Morrill
Address: 14432 SE Eastgate Way
Suite 100
Bellevue, WA 98007

Lab Proj #: P1012352
Report Date: 01/05/11
Client Proj Name: Leathercare
Client Proj #: 56498-68247

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
LC5R-12/10	Water	P1012352-02	20 Dec. 10 13:30	22 Dec. 10 13:41

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Ethane	0.600	0.025	ug/L	AM20GAX	1/3/11	rw
N Ethene	0.290	0.025	ug/L	AM20GAX	1/3/11	rw
N Methane	1300.000	0.100	ug/L	AM20GAX	1/3/11	rw

N - NELAC certified analysis
PA02-00538

Client Name: Camp Dresser & McKee
Contact: Pam Morrill
Address: 14432 SE Eastgate Way
Suite 100
Bellevue, WA 98007

Lab Proj #: P1012352
Report Date: 01/05/11
Client Proj Name: Leathercare
Client Proj #: 56498-68247

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
LC6-12/10	Water	P1012352-03	20 Dec. 10 14:25	22 Dec. 10 13:41

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Ethane	0.190	0.025	ug/L	AM20GAX	1/3/11	rw
N Ethene	0.036	0.025	ug/L	AM20GAX	1/3/11	rw
N Methane	710.000	0.100	ug/L	AM20GAX	1/3/11	rw

N - NELAC certified analysis
PA02-00538

Client Name: Camp Dresser & McKee
Contact: Pam Morrill
Address: 14432 SE Eastgate Way
Suite 100
Bellevue, WA 98007

Lab Proj #: P1012352
Report Date: 01/05/11
Client Proj Name: Leathercare
Client Proj #: 56498-68247

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
LC2-12/10	Water	P1012352-04	20 Dec. 10 15:25	22 Dec. 10 13:41

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Ethane	<0.025	0.025	ug/L	AM20GAX	1/3/11	rw
N Ethene	<0.025	0.025	ug/L	AM20GAX	1/3/11	rw
N Methane	85.000	0.100	ug/L	AM20GAX	1/3/11	rw

N - NELAC certified analysis
PA02-00538

Client Name: Camp Dresser & McKee
Contact: Pam Morrill
Address: 14432 SE Eastgate Way
Suite 100
Bellevue, WA 98007

Lab Proj #: P1012352
Report Date: 01/05/11
Client Proj Name: Leathercare
Client Proj #: 56498-68247

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
LC3-12/10	Water	P1012352-05	20 Dec. 10 16:20	22 Dec. 10 13:41

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Ethane	0.067	0.025	ug/L	AM20GAX	1/3/11	rw
N Ethene	0.038	0.025	ug/L	AM20GAX	1/3/11	rw
N Methane	200.000	0.100	ug/L	AM20GAX	1/3/11	rw

N - NELAC certified analysis
PA02-00538

Client Name: Camp Dresser & McKee
Contact: Pam Morrill
Address: 14432 SE Eastgate Way
Suite 100
Bellevue, WA 98007

Lab Proj #: P1012352
Report Date: 01/05/11
Client Proj Name: Leathercare
Client Proj #: 56498-68247

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
LC1-12/10	Water	P1012352-06	21 Dec. 10 8:15	22 Dec. 10 13:41

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Ethane	0.360	0.025	ug/L	AM20GAX	1/4/11	rw
N Ethene	0.110	0.025	ug/L	AM20GAX	1/4/11	rw
N Methane	300.000	0.100	ug/L	AM20GAX	1/4/11	rw

N - NELAC certified analysis
PA02-00538

Client Name: Camp Dresser & McKee
Contact: Pam Morrill
Address: 14432 SE Eastgate Way
Suite 100
Bellevue, WA 98007

Lab Proj #: P1012352
Report Date: 01/05/11
Client Proj Name: Leathercare
Client Proj #: 56498-68247

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
GT3-12/10	Water	P1012352-07	21 Dec. 10 9:35	22 Dec. 10 13:41

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Ethane	0.052	0.025	ug/L	AM20GAX	1/4/11	rw
N Ethene	0.190	0.025	ug/L	AM20GAX	1/4/11	rw
N Methane	55.000	0.100	ug/L	AM20GAX	1/4/11	rw

N - NELAC certified analysis
PA02-00538

Client Name: Camp Dresser & McKee
Contact: Pam Morrill
Address: 14432 SE Eastgate Way
Suite 100
Bellevue, WA 98007

Lab Proj #: P1012352
Report Date: 01/05/11
Client Proj Name: Leathercare
Client Proj #: 56498-68247

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
GT2-12/10	Water	P1012352-08	21 Dec. 10 11:05	22 Dec. 10 13:41

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Ethane	0.140	0.025	ug/L	AM20GAX	1/4/11	rw
N Ethene	0.049	0.025	ug/L	AM20GAX	1/4/11	rw
N Methane	190.000	0.100	ug/L	AM20GAX	1/4/11	rw

N - NELAC certified analysis
PA02-00538

Client Name: Camp Dresser & McKee
Contact: Pam Morrill
Address: 14432 SE Eastgate Way
Suite 100
Bellevue, WA 98007

Lab Proj #: P1012352
Report Date: 01/05/11
Client Proj Name: Leathercare
Client Proj #: 56498-68247

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
GT1-12/10	Water	P1012352-09	21 Dec. 10 12:00	22 Dec. 10 13:41

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Ethane	0.500	0.025	ug/L	AM20GAX	1/4/11	rw
N Ethene	0.034	0.025	ug/L	AM20GAX	1/4/11	rw
N Methane	130.000	0.100	ug/L	AM20GAX	1/4/11	rw

N - NELAC certified analysis
PA02-00538

Client Name: Camp Dresser & McKee
Contact: Pam Morrill
Address: 14432 SE Eastgate Way
Suite 100
Bellevue, WA 98007

Lab Proj #: P1012352
Report Date: 01/05/11
Client Proj Name: Leathercare
Client Proj #: 56498-68247

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
GT20-12/10	Water	P1012352-10	21 Dec. 10 13:05	22 Dec. 10 13:41

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Ethane	0.056	0.025	ug/L	AM20GAX	1/4/11	rw
N Ethene	0.200	0.025	ug/L	AM20GAX	1/4/11	rw
N Methane	58.000	0.100	ug/L	AM20GAX	1/4/11	rw

N - NELAC certified analysis
PA02-00538

Microseeps Lab. Proj. # P1012352

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. #

Phone: (412) 826-5245 | Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238 | Fax No.: (412) 826-3433

Company : COM

Co. Address : 14432 SE Eastgate Way, Bellevue WA 98007

Phone # : 425-519-8300 Fax # :

Proj. Manager : Pam Morrill

Proj. Name/Number : Leatherface / 56498-68247

Sampler's signature : Mary Lou Fox

Cooler Temp. —

Results to : Pam Morrill

Invoice to : same

	Sample ID	Sample Description	Sample Type: Water	Vapor	Solid	Date	Time	# Bottles	Parameters Requested: Methane, Ethane, Ethene	Remarks
1	LC4R-12/10		X			12/20/10	1105	2	X	shipped priority overnight via FedEx
2	LC5R-12/10		X				1330	2	X	
3	LC6-12/10		X				1425	2	X	
4	LC2-12/10		X				1525	2	X	
5	LC3-12/10		X				1620	2	X	
19	LC1-12/10		X			12/21/10	0815	2	X	
7	GT3-12/10		X				0935	2	X	
8	GT2-12/10		X				1105	2	X	
9	GT1-12/10		X				1200	2	X	
10	GT20-12/10		X				1305	2	X	

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Mary Lou Fox	COM	12/21/10	1325				
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Accompany Samples YELLOW COPY : Laboratory File PINK COPY : Submitter

Analytical Resources, Incorporated
Analytical Chemists and Consultants

July 1, 2011

Pam Morrill
CDM
14432 SE Eastgate Way, Suite 100
Bellevue, WA 98007

RE: Project ID: Leathercare, 56498-68247
ARI Job No: TC29

Dear Pam:

Please find enclosed the original Chain-of-Custody (COC) record, sample receipt documentation, and the final results for samples from the project referenced above. Analytical Resources Inc. (ARI) accepted five water samples and a trip blank on June 27, 2011, under ARI job TC29.The trip blank was held upon receipt, as requested on the COC. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form.

The samples were analyzed for Volatile Organics by SW8260C, as requested.

There were no anomalies associated with the analysis of these samples.

An electronic copy of this report as well as all supporting data will remain on file with ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.

Cheronne Oreiro
Project Manager
(206) 695-6214
cheronneo@arilabs.com
www.arilabs.com

cc: eFile TC29

Enclosures

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: TC29	Turn-around Requested: Std	Page: 1 of 1	
ARI Client Company: CDM	Phone: 425-519-8300	Date: 6/27/11	Ice Present? Y
Client Contact: Pam Morrill		No. of Coolers: 1	Cooler Temps: 12.7
Client Project Name: Leathercare			
Client Project #: 56448-68247	Samplers: MLF		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No Containers	Analysis Requested: VOCs, * 8260C	Analysis Requested: Hold	Notes/Comments
LC4R-06/11	6/27/11	1030	W	3	✓		
LC5R-06/11	6/27/11	1200	W	3	✓		
LC6-06/11	6/27/11	1330	~~W~~ W/HNO3 pH<2	9	✓		
LC3-06/11	6/27/11	1430	W	3	✓		
LC2-06/11	6/27/11	1545	W	3	✓		
Trip Blank	6/27/11	—	W	2		✓	

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
*Vinyl chloride, 1,1-DCE, trans-1,2-DCE, cis-1,2-DCE, TCE, PCE	Printed Name: MaryLou Fox	Printed Name: A. Volgardsen	Printed Name	Printed Name
	Company: ARI	Company: ARI	Company:	Company:
	Date & Time: 6/27/11 1725	Date & Time: 6/27/11 1725	Date & Time:	Date & Time

TC29:00002

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form *

ARI Client: CDM | Project Name: Leathercore

COC No(s): _____ (NA) | Delivered by: Fed-Ex UPS Courier Hand Delivered Other: _____

Assigned ARI Job No: TC29 | Tracking No: _____ (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler?	YES	(NO)
Were custody papers included with the cooler?	(YES)	NO
Were custody papers properly filled out (ink, signed, etc)	(YES)	NO
Temperature of Cooler(s) (°C) (recommended 2 0-6.0 °C for chemistry)	2.7	
If cooler temperature is out of compliance fill out form 00070F	Temp Gun ID#:	90941619

Cooler Accepted by: AV Date: 6/27/11 Time: 1725

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?		YES	(NO)
What kind of packing material was used? Bubble Wrap (Wet Ice) Gel Packs Baggies (Foam Block) Paper Other:			
Was sufficient ice used (if appropriate)?	NA	YES	(NO)
Were all bottles sealed in individual plastic bags?		YES	(NO)
Did all bottles arrive in good condition (unbroken)?		(YES)	NO
Were all bottle labels complete and legible?		(YES)	NO
Did the number of containers listed on COC match with the number of containers received?		YES	(NO)
Did all bottle labels and tags agree with custody papers?		(YES)	NO
Were all bottles used correct for the requested analyses?		(YES)	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)	(NA)	YES	NO
Were all VOC vials free of air bubbles?	NA	YES	(NO)
Was sufficient amount of sample sent in each bottle?		(YES)	NO
Date VOC Trip Blank was made at ARI	NA	6/21/11	

Was Sample Split by ARI: (NA) YES Date/Time: _____ Equipment: _____ Split by: _____

Samples Logged by: AV Date: 6/27/11 Time: 1745

*** Notify Project Manager of discrepancies or concerns ***

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

LC3-0611 has 9 bottles and is the correct MS/MSD sample per Mary Lou Fox. ~~LC6~~ AV LC6-0611 = 1pb

By: AV Date: 6/27/11

Small Air Bubbles ~2mm	Peabubbles 2-4 mm	LARGE Air Bubbles > 4 mm
		

Small → "sm"
Peabubbles → "pb"
Large → "lg"
Headspace → "hs"

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Temperature Compliance Form

TC29

Cooler#: 1 Temperature(°C): 12.7

Sample ID	Bottle Count	Bottle Type
All Samples out of temp compliance.		

Cooler#: Temperature(°C):

Sample ID	Bottle Count	Bottle Type

Cooler#: Temperature(°C):

Sample ID	Bottle Count	Bottle Type

Cooler#: Temperature(°C):

Sample ID	Bottle Count	Bottle Type

Completed by: AV Date: 6/24/11 Time: 1751

Sample ID Cross Reference Report

ANALYTICAL RESOURCES INCORPORATED

ARI Job No: TC29
Client: CDM, Inc.
Project Event: 56498-68247
Project Name: Leathercare

	Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1.	LC4R-06/11	TC29A	11-14069	Water	06/27/11 10:30	06/27/11 17:25
2.	LC5R-06/11	TC29B	11-14070	Water	06/27/11 12:00	06/27/11 17:25
3.	LC6-06/11	TC29C	11-14071	Water	06/27/11 13:30	06/27/11 17:25
4.	LC3-06/11	TC29D	11-14072	Water	06/27/11 14:30	06/27/11 17:25
5.	LC2-06/11	TC29E	11-14073	Water	06/27/11 15:45	06/27/11 17:25
6.	Trip Blanks	TC29F	11-14074	Water	06/27/11	06/27/11 17:25

Printed 06/27/11

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LC4R-06/11**
Page 1 of 1 **SAMPLE**

Lab Sample ID: TC29A
LIMS ID: 11-14069
Matrix: Water
Data Release Authorized:
Reported: 06/30/11

QC Report No: TC29-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 06/27/11
Date Received: 06/27/11

Instrument/Analyst: NT3/PKC
Date Analyzed: 06/30/11 05:24

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**0.2**	**1.1**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**2.1**	
79-01-6	**Trichloroethene**	**0.2**	**0.8**	
127-18-4	Tetrachloroethene	0.2	< 0.2	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	98.9%
Bromofluorobenzene	102%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LC5R-06/11**
Page 1 of 1 **SAMPLE**

Lab Sample ID: TC29B
LIMS ID: 11-14070
Matrix: Water
Data Release Authorized: MW
Reported: 06/30/11

QC Report No: TC29-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 06/27/11
Date Received: 06/27/11

Instrument/Analyst: NT3/PKC
Date Analyzed: 06/30/11 05:51

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**0.2**	**0.8**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**1.3**	
79-01-6	**Trichloroethene**	**0.2**	**0.8**	
127-18-4	Tetrachloroethene	0.2	< 0.2	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	101%
d8-Toluene	98.6%
Bromofluorobenzene	102%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LC6-06/11**
Page 1 of 1 **SAMPLE**

Lab Sample ID: TC29C
LIMS ID: 11-14071
Matrix: Water
Data Release Authorized:
Reported: 06/30/11

QC Report No: TC29-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 06/27/11
Date Received: 06/27/11

Instrument/Analyst: NT3/PKC
Date Analyzed: 06/30/11 06:18

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**0.5**	
79-01-6	**Trichloroethene**	**0.2**	**0.2**	
127-18-4	Tetrachloroethene	0.2	< 0.2	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	104%
d8-Toluene	99.9%
Bromofluorobenzene	99.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LC3-06/11**
Page 1 of 1 **SAMPLE**

Lab Sample ID: TC29D
LIMS ID: 11-14072
Matrix: Water
Data Release Authorized: MWJ
Reported: 06/30/11

QC Report No: TC29-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 06/27/11
Date Received: 06/27/11

Instrument/Analyst: NT3/PKC
Date Analyzed: 06/30/11 06:44

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**0.2**	**0.2**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**1.1**	
79-01-6	**Trichloroethene**	**0.2**	**0.8**	
127-18-4	**Tetrachloroethene**	**0.2**	**7.0**	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	97.8%
Bromofluorobenzene	101%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LC2-06/11**
Page 1 of 1 **SAMPLE**

Lab Sample ID: TC29E
LIMS ID: 11-14073
Matrix: Water
Data Release Authorized: MW
Reported: 06/30/11

QC Report No: TC29-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 06/27/11
Date Received: 06/27/11

Instrument/Analyst: NT3/PKC
Date Analyzed: 06/30/11 07:10

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**0.2**	**0.5**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**1.6**	
79-01-6	**Trichloroethene**	**0.2**	**0.5**	
127-18-4	**Tetrachloroethene**	**0.2**	**0.6**	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	98.7%
d8-Toluene	98.1%
Bromofluorobenzene	101%

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: TC29-CDM, Inc.
Project: Leathercare
56498-68247

ARI ID	Client ID	PV	DCE	TOL	BFB	DCB	TOT OUT
MB-062911	Method Blank	10	99.1%	99.2%	103%	NA	0
LCS-062911	Lab Control	10	102%	100%	102%	NA	0
LCSD-062911	Lab Control Dup	10	101%	97.6%	102%	NA	0
TC29A	LC4R-06/11	10	102%	98.9%	102%	NA	0
TC29B	LC5R-06/11	10	101%	98.6%	102%	NA	0
TC29C	LC6-06/11	10	104%	99.9%	99.8%	NA	0
TC29D	LC3-06/11	10	102%	97.8%	101%	NA	0
TC29DMS	LC3-06/11	10	102%	98.7%	100%	NA	0
TC29DMSD	LC3-06/11	10	101%	101%	100%	NA	0
TC29E	LC2-06/11	10	98.7%	98.1%	101%	NA	0

	LCS/MB LIMITS	QC LIMITS
SW8260C		
(DCE) = d4-1,2-Dichloroethane	80-120	80-120
(TOL) = d8-Toluene	80-120	80-120
(BFB) = Bromofluorobenzene	80-120	80-120
(DCB) = d4-1,2-Dichlorobenzene	80-120	80-120

Prep Method: SW5030B
Log Number Range: 11-14069 to 11-14073

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LC3-06/11**
Page 1 of 1 **MATRIX SPIKE**

Lab Sample ID: TC29D
LIMS ID: 11-14072
Matrix: Water
Data Release Authorized: MW
Reported: 06/30/11

QC Report No: TC29-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 06/27/11
Date Received: 06/27/11

Instrument/Analyst MS: NT3/PKC
MSD: NT3/PKC
Date Analyzed MS: 06/30/11 07:37
MSD: 06/30/11 08:03

Sample Amount MS: 10.0 mL
MSD: 10.0 mL
Purge Volume MS: 10.0 mL
MSD: 10.0 mL

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Vinyl Chloride	0.2	10.3	10.0	101%	10.2	10.0	100%	1.0%
1,1-Dichloroethene	< 0.2 U	10.0	10.0	100%	10.0	10.0	100%	0.0%
trans-1,2-Dichloroethene	< 0.2 U	10.2	10.0	102%	10.0	10.0	100%	2.0%
cis-1,2-Dichloroethene	1.1	11.3	10.0	102%	11.4	10.0	103%	0.9%
Trichloroethene	0.8	10.6	10.0	98.0%	10.8	10.0	100%	1.9%
Tetrachloroethene	7.0	17.4	10.0	104%	17.5	10.0	105%	0.6%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LC3-06/11**
Page 1 of 1 **MATRIX SPIKE**

Lab Sample ID: TC29D
LIMS ID: 11-14072
Matrix: Water
Data Release Authorized: MW
Reported: 06/30/11

QC Report No: TC29-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 06/27/11
Date Received: 06/27/11

Instrument/Analyst: NT3/PKC
Date Analyzed: 06/30/11 07:37

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.2	---	
75-35-4	1,1-Dichloroethene	0.2	---	
156-60-5	trans-1,2-Dichloroethene	0.2	---	
156-59-2	cis-1,2-Dichloroethene	0.2	---	
79-01-6	Trichloroethene	0.2	---	
127-18-4	Tetrachloroethene	0.2	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	98.7%
Bromofluorobenzene	100%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LC3-06/11**
Page 1 of 1 **MATRIX SPIKE DUP**

Lab Sample ID: TC29D
LIMS ID: 11-14072
Matrix: Water
Data Release Authorized: MW
Reported: 06/30/11

QC Report No: TC29-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 06/27/11
Date Received: 06/27/11

Instrument/Analyst: NT3/PKC
Date Analyzed: 06/30/11 08:03

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.2	---	
75-35-4	1,1-Dichloroethene	0.2	---	
156-60-5	trans-1,2-Dichloroethene	0.2	---	
156-59-2	cis-1,2-Dichloroethene	0.2	---	
79-01-6	Trichloroethene	0.2	---	
127-18-4	Tetrachloroethene	0.2	---	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	101%
d8-Toluene	101%
Bromofluorobenzene	100%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-062911**
Page 1 of 1 **LAB CONTROL SAMPLE**

Lab Sample ID: LCS-062911 QC Report No: TC29-CDM, Inc.
LIMS ID: 11-14069 Project: Leathercare
Matrix: Water 56498-68247
Data Release Authorized: MW Date Sampled: NA
Reported: 06/30/11 Date Received: NA

Instrument/Analyst LCS: NT3/PKC Sample Amount LCS: 10.0 mL
LCSD: NT3/PKC LCSD: 10.0 mL
Date Analyzed LCS: 06/29/11 22:21 Purge Volume LCS: 10.0 mL
LCSD: 06/29/11 22:47 LCSD: 10.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Vinyl Chloride	9.4	10.0	94.0%	9.7	10.0	97.0%	3.1%
1,1-Dichloroethene	9.5	10.0	95.0%	9.5	10.0	95.0%	0.0%
trans-1,2-Dichloroethene	9.7	10.0	97.0%	9.4	10.0	94.0%	3.1%
cis-1,2-Dichloroethene	9.9	10.0	99.0%	10.0	10.0	100%	1.0%
Trichloroethene	9.3	10.0	93.0%	9.5	10.0	95.0%	2.1%
Tetrachloroethene	8.8	10.0	88.0%	9.0	10.0	90.0%	2.2%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	102%	101%
d8-Toluene	100%	97.6%
Bromofluorobenzene	102%	102%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-062911**
Page 1 of 1 **METHOD BLANK**

Lab Sample ID: MB-062911
LIMS ID: 11-14069
Matrix: Water
Data Release Authorized: MW
Reported: 06/30/11

QC Report No: TC29-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: NA
Date Received: NA

Instrument/Analyst: NT3/PKC
Date Analyzed: 06/29/11 23:13

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.1%
d8-Toluene	99.2%
Bromofluorobenzene	103%

Analytical Resources, Incorporated
Analytical Chemists and Consultants

July 7, 2011

Pam Morrill
CDM
14432 SE Eastgate Way, Suite 100
Bellevue, WA 98007

RE: Project ID: Leathercare, 56498-68247
ARI Job No: TC41

Dear Pam:

Please find enclosed the original Chain-of-Custody (COC) record, sample receipt documentation, and the final results for samples from the project referenced above. Analytical Resources Inc. (ARI) accepted five water samples and a trip blank on June 28, 2011, under ARI job TC41.The trip blank was held upon receipt, as requested on the COC. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form.

The samples were analyzed for Volatile Organics by SW8260C, as requested.

There were no anomalies associated with the analysis of these samples.

An electronic copy of this report as well as all supporting data will remain on file with ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.

Cheronne Oreiro
Project Manager
(206) 695-6214
cheronneo@arilabs.com
www.arilabs.com

cc: eFile TC41

Enclosures

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: TC41	Turn-around Requested: std	Page: 1 of 1	
ARI Client Company: CDM	Phone: 425-519-8302	Date: 6/28/11	Ice Present? Y
Client Contact: Pam Morrill		No. of Coolers: 1	Cooler Temps: 16.3
Client Project Name: Leatherczre			
Client Project #: 56498.68247	Samplers: MLF		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: 8260C VOCs	Analysis Requested: Methane	Notes/Comments
LC1-06/11	6/28/11	0845	W	3	✓		10-mL purge
GT3-06/11		1010		3	✓		
GT2-06/11		1130		3	✓		
GT1-06/11		1255		3	✓	✓	
GT20-06/11	″	1350	″	3	✓		
Trip Blank	6/28/11	—	W	2		✓	

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
Vinyl chloride, 1,1-DCE, trans-1,2-DCE, cis-1,2-DCE, TCE, PCE	Printed Name: MaryLou Fox	Printed Name: A. Volgardsen	Printed Name:	Printed Name:
	Company: CDM	Company: ARI	Company:	Company:
	Date & Time: 6/28/11 1520	Date & Time: 6/28/11 1520	Date & Time:	Date & Time:

TC41.doc

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: CDM Project Name: Leathercare

COC No(s): (NA) Delivered by: Fed-Ex UPS Courier (Hand Delivered) Other: _____

Assigned ARI Job No: TC41 Tracking No: _____ (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler?	YES	(NO)
Were custody papers included with the cooler?	(YES)	NO
Were custody papers properly filled out (ink, signed, etc.)	(YES)	NO

Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry): 16.3

If cooler temperature is out of compliance fill out form 00070F Temp Gun ID#: 70941619

Cooler Accepted by: AV Date: 6/28/11 Time: 1520

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?		YES	(NO)
What kind of packing material was used? ... Bubble Wrap (Wet Ice) Gel Packs Baggies (Foam Block) Paper Other: _____			
Was sufficient ice used (if appropriate)?	NA	YES	(NO)
Were all bottles sealed in individual plastic bags?		YES	(NO)
Did all bottles arrive in good condition (unbroken)?		(YES)	NO
Were all bottle labels complete and legible?		(YES)	NO
Did the number of containers listed on COC match with the number of containers received?		(YES)	NO
Did all bottle labels and tags agree with custody papers?		(YES)	NO
Were all bottles used correct for the requested analyses?		(YES)	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)...	(NA)	YES	NO
Were all VOC vials free of air bubbles?	NA	YES	(NO)
Was sufficient amount of sample sent in each bottle?		(YES)	NO
Date VOC Trip Blank was made at ARI	NA	6/27/11	

Was Sample Split by ARI: (NA) YES Date/Time: _____ Equipment: _____ Split by: _____

Samples Logged by: AV Date: 6/28/11 Time: 1535

***** Notify Project Manager of discrepancies or concerns *****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

GT2-06/11 = 1PB GT1-06/11 = 1SM GT20-06/11 = 3SM

By: AV Date: 6/28/11

Small Air Bubbles ~2mm	Peabubbles 2-4 mm	LARGE Air Bubbles > 4 mm
		

Small → "sm"
Peabubbles → "pb"
Large → "lg"
Headspace → "hs"

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Temperature Compliance Form

TC41

Cooler#: 1	Temperature(°C): 16.3	
Sample ID	**Bottle Count**	**Bottle Type**
All samples out of temp compliance.		

Cooler#:	Temperature(°C):	
Sample ID	**Bottle Count**	**Bottle Type**

Cooler#:	Temperature(°C):	
Sample ID	**Bottle Count**	**Bottle Type**

Cooler#:	Temperature(°C):	
Sample ID	**Bottle Count**	**Bottle Type**

Completed by: AV Date: 6/23/11 Time: 1525

Sample ID Cross Reference Report

ANALYTICAL RESOURCES INCORPORATED

ARI Job No: TC41
Client: CDM, Inc.
Project Event: 56498-68247
Project Name: Leathercare

	Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1.	LC1-06/11	TC41A	11-14159	Water	06/28/11 08:45	06/28/11 15:20
2.	GT3-06/11	TC41B	11-14160	Water	06/28/11 10:10	06/28/11 15:20
3.	GT2-06/11	TC41C	11-14161	Water	06/28/11 11:30	06/28/11 15:20
4.	GT1-06/11	TC41D	11-14162	Water	06/28/11 12:55	06/28/11 15:20
5.	GT20-06/11	TC41E	11-14163	Water	06/28/11 13:50	06/28/11 15:20
6.	Trip Blanks	TC41F	11-14164	Water	06/28/11	06/28/11 15:20

Printed 06/28/11

Data Reporting Qualifiers

Effective 2/14/2011

Inorganic Data

U	Indicates that the target analyte was not detected at the reported concentration
*	Duplicate RPD is not within established control limits
B	Reported value is less than the CRDL but ≥ the Reporting Limit
N	Matrix Spike recovery not within established control limits
NA	Not Applicable, analyte not spiked
H	The natural concentration of the spiked element is so much greater than the concentration spiked that an accurate determination of spike recovery is not possible
L	Analyte concentration is ≤5 times the Reporting Limit and the replicate control limit defaults to ±1 RL instead of the normal 20% RPD

Organic Data

U	Indicates that the target analyte was not detected at the reported concentration
*	Flagged value is not within established control limits
B	Analyte detected in an associated Method Blank at a concentration greater than one-half of ARI's Reporting Limit or 5% of the regulatory limit or 5% of the analyte concentration in the sample.
J	Estimated concentration when the value is less than ARI's established reporting limits
D	The spiked compound was not detected due to sample extract dilution
E	Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
Q	Indicates a detected analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20%Drift or minimum RRF).

S	Indicates an analyte response that has saturated the detector. The calculated concentration is not valid; a dilution is required to obtain valid quantification of the analyte
NA	The flagged analyte was not analyzed for
NR	Spiked compound recovery is not reported due to chromatographic interference
NS	The flagged analyte was not spiked into the sample
M	Estimated value for an analyte detected and confirmed by an analyst but with low spectral match parameters. This flag is used only for GC-MS analyses
M2	The sample contains PCB congeners that do not match any standard Aroclor pattern. The PCBs are identified and quantified as the Aroclor whose pattern most closely matches that of the sample. The reported value is an estimate.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification"
Y	The analyte is not detected at or above the reported concentration. The reporting limit is raised due to chromatographic interference. The Y flag is equivalent to the U flag with a raised reporting limit.
EMPC	Estimated Maximum Possible Concentration (EMPC) defined in EPA Statement of Work DLM02.2 as a value "calculated for 2,3,7,8-substituted isomers for which the quantitation and /or confirmation ion(s) has signal to noise in excess of 2.5, but does not meet identification criteria" (Dioxin/Furan analysis only)
C	The analyte was positively identified on only one of two chromatographic columns. Chromatographic interference prevented a positive identification on the second column
P	The analyte was detected on both chromatographic columns but the quantified values differ by ≥40% RPD with no obvious chromatographic interference
X	Analyte signal includes interference from polychlorinated diphenyl ethers. (Dioxin/Furan analysis only)
Z	Analyte signal includes interference from the sample matrix or perfluorokerosene ions. (Dioxin/Furan analysis only)

Geotechnical Data

A	The total of all fines fractions. This flag is used to report total fines when only sieve analysis is requested and balances total grain size with sample weight.
F	Samples were frozen prior to particle size determination
SM	Sample matrix was not appropriate for the requested analysis. This normally refers to samples contaminated with an organic product that interferes with the sieving process and/or moisture content, porosity and saturation calculations
SS	Sample did not contain the proportion of "fines" required to perform the pipette portion of the grain size analysis
W	Weight of sample in some pipette aliquots was below the level required for accurate weighting

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LC1-06/11**
Page 1 of 1 **SAMPLE**

Lab Sample ID: TC41A
LIMS ID: 11-14159
Matrix: Water
Data Release Authorized:
Reported: 07/05/11

QC Report No: TC41-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 06/28/11
Date Received: 06/28/11

Instrument/Analyst: NT3/PKC
Date Analyzed: 07/02/11 03:38

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**0.2**	**0.4**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**3.6**	
79-01-6	**Trichloroethene**	**0.2**	**0.8**	
127-18-4	**Tetrachloroethene**	**0.2**	**0.2**	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	98.6%
Bromofluorobenzene	101%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: GT3-06/11**
Page 1 of 1 **SAMPLE**

Lab Sample ID: TC41B
LIMS ID: 11-14160
Matrix: Water
Data Release Authorized:
Reported: 07/05/11

QC Report No: TC41-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 06/28/11
Date Received: 06/28/11

Instrument/Analyst: NT3/PKC
Date Analyzed: 07/02/11 04:05

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**0.2**	**1.5**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**1.4**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**9.2**	
79-01-6	**Trichloroethene**	**0.2**	**0.6**	
127-18-4	Tetrachloroethene	0.2	< 0.2	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	99.2%
Bromofluorobenzene	101%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: GT2-06/11**
Page 1 of 1 **SAMPLE**

Lab Sample ID: TC41C
LIMS ID: 11-14161
Matrix: Water
Data Release Authorized:
Reported: 07/05/11

QC Report No: TC41-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 06/28/11
Date Received: 06/28/11

Instrument/Analyst: NT3/PKC
Date Analyzed: 07/02/11 04:31

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**0.2**	**3.8**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**1.9**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**24**	
79-01-6	**Trichloroethene**	**0.2**	**6.3**	
127-18-4	**Tetrachloroethene**	**0.2**	**2.1**	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.0%
d8-Toluene	98.5%
Bromofluorobenzene	102%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: GT1-06/11**
Page 1 of 1 **SAMPLE**

Lab Sample ID: TC41D
LIMS ID: 11-14162
Matrix: Water
Data Release Authorized:
Reported: 07/06/11

QC Report No: TC41-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 06/28/11
Date Received: 06/28/11

Instrument/Analyst: NT3/PKC
Date Analyzed: 07/02/11 04:57

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**0.2**	**1.0**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**0.3**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**36**	
79-01-6	**Trichloroethene**	**0.2**	**9.3**	
127-18-4	**Tetrachloroethene**	**0.2**	**1.7**	

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.8%
d8-Toluene	99.8%
Bromofluorobenzene	101%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: GT20-06/11**
Page 1 of 1 **SAMPLE**

Lab Sample ID: TC41E
LIMS ID: 11-14163
Matrix: Water
Data Release Authorized:
Reported: 07/05/11

QC Report No: TC41-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: 06/28/11
Date Received: 06/28/11

Instrument/Analyst: NT3/PKC
Date Analyzed: 07/02/11 05:24

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	**Vinyl Chloride**	**0.2**	**1.5**	
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**1.4**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**9.5**	
79-01-6	**Trichloroethene**	**0.2**	**0.7**	
127-18-4	Tetrachloroethene	0.2	< 0.2	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	101%
d8-Toluene	98.2%
Bromofluorobenzene	102%

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: TC41-CDM, Inc.
Project: Leathercare
56498-68247

ARI ID	Client ID	PV	DCE	TOL	BFB	DCB	TOT OUT
MB-070111	Method Blank	10	102%	99.1%	101%	NA	0
LCS-070111	Lab Control	10	100%	99.0%	101%	NA	0
LCSD-070111	Lab Control Dup	10	97.6%	97.8%	102%	NA	0
TC41A	LC1-06/11	10	102%	98.6%	101%	NA	0
TC41B	GT3-06/11	10	102%	99.2%	101%	NA	0
TC41C	GT2-06/11	10	99.0%	98.5%	102%	NA	0
TC41D	GT1-06/11	10	99.8%	99.8%	101%	NA	0
TC41E	GT20-06/11	10	101%	98.2%	102%	NA	0

	LCS/MB LIMITS	QC LIMITS
SW8260C		
(DCE) = d4-1,2-Dichloroethane	80-120	80-120
(TOL) = d8-Toluene	80-120	80-120
(BFB) = Bromofluorobenzene	80-120	80-120
(DCB) = d4-1,2-Dichlorobenzene	80-120	80-120

Prep Method: SW5030B
Log Number Range: 11-14159 to 11-14163

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-070111**
Page 1 of 1 **LAB CONTROL SAMPLE**

Lab Sample ID: LCS-070111
LIMS ID: 11-14159
Matrix: Water
Data Release Authorized:
Reported: 07/05/11

QC Report No: TC41-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: NT3/PKC
LCSD: NT3/PKC
Date Analyzed LCS: 07/01/11 22:16
LCSD: 07/01/11 22:42

Sample Amount LCS: 10.0 mL
LCSD: 10.0 mL
Purge Volume LCS: 10.0 mL
LCSD: 10.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Vinyl Chloride	9.2	10.0	92.0%	9.2	10.0	92.0%	0.0%
1,1-Dichloroethene	9.0	10.0	90.0%	9.1	10.0	91.0%	1.1%
trans-1,2-Dichloroethene	9.4	10.0	94.0%	9.3	10.0	93.0%	1.1%
cis-1,2-Dichloroethene	9.4	10.0	94.0%	9.5	10.0	95.0%	1.1%
Trichloroethene	9.0	10.0	90.0%	9.2	10.0	92.0%	2.2%
Tetrachloroethene	8.6	10.0	86.0%	8.8	10.0	88.0%	2.3%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	100%	97.6%
d8-Toluene	99.0%	97.8%
Bromofluorobenzene	101%	102%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-070111**
Page 1 of 1 **METHOD BLANK**

Lab Sample ID: MB-070111
LIMS ID: 11-14159
Matrix: Water
Data Release Authorized:
Reported: 07/05/11

QC Report No: TC41-CDM, Inc.
Project: Leathercare
56498-68247
Date Sampled: NA
Date Received: NA

Instrument/Analyst: NT3/PKC
Date Analyzed: 07/01/11 23:09

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	99.1%
Bromofluorobenzene	101%

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July 14, 2011

Pam Morrill
Camp Dresser & McKee
11811 Northeast First Street
Suite 201
Bellevue, WA 98005
USA

RE: **56498-68247 LEATHERCARE**
Microseeps Workorder: 1724

Dear Pam Morrill:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, June 29, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Robbin Robl 07/14/2011
rrobl@microseeps.com

Enclosures

Total Number of Pages 15

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LABORATORY ACCREDITATIONS & CERTIFICATIONS

Accreditor:	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
Accreditation ID:	02-00538
Scope:	NELAP Non-Potable Water and Solid & Hazardous Waste
Accreditor:	NELAP: State of Florida, Department of Health, Bureau of Laboratories
Accreditation ID:	E87832
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
Accreditation ID:	89009003
Scope:	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: State of Louisiana, Department of Environmental Quality
Accreditation ID:	04104
Scope:	Solid and Chemical Materials; Non-Potable Water
Accreditor:	NELAP: New Jersey, Department of Environmental Protection
Accreditation ID:	PA026
Scope:	Non-Potable Water; Solid and Chemical Materials
Accreditor:	NELAP: New York, Department of Health Wadsworth Center
Accreditation ID:	11815
Scope:	Non-Potable Water; Solid and Hazardous Waste
Accreditor:	State of Connecticut, Department of Public Health, Division of Environmental Health
Accreditation ID:	PH-0263
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
Accreditor:	NELAP: Texas, Commission on Environmental Quality
Accreditation ID:	T104704453-09-TX
Scope:	Non-Potable Water
Accreditor:	State of New Hampshire
Accreditation ID:	299409
Scope:	Non-potable water
Accreditor:	State of Georgia
Accreditation ID:	Chapter 391-3-26
Scope:	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, Microseeps is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

CERTIFICATE OF ANALYSIS

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SAMPLE SUMMARY

Workorder: 1724 56498-68247 LEATHERCARE

Lab ID	Sample ID	Matrix	Date Collected	Date Received
17240001	LC4R-06/11	Water	6/27/2011 10:30	6/29/2011 11:45
17240002	LC5R-06/11	Water	6/27/2011 12:00	6/29/2011 11:45
17240003	LC6-06/11	Water	6/27/2011 13:30	6/29/2011 11:45
17240004	LC3-06/11	Water	6/27/2011 14:30	6/29/2011 11:45
17240005	LC2-06/11	Water	6/27/2011 15:45	6/29/2011 11:45
17240006	LC1-06/11	Water	6/28/2011 08:45	6/29/2011 11:45
17240007	GT3-06/11	Water	6/28/2011 10:10	6/29/2011 11:45
17240008	GT2-06/11	Water	6/28/2011 11:30	6/29/2011 11:45
17240009	GT1-06/11	Water	6/28/2011 12:55	6/29/2011 11:45
17240010	GT20-06/11	Water	6/28/2011 13:50	6/29/2011 11:45

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ANALYTICAL RESULTS

Workorder: 1724 56498-68247 LEATHERCARE

Lab ID: **17240001** Date Received: 6/29/2011 11:45 Matrix: Water
Sample ID: **LC4R-06/11** Date Collected: 6/27/2011 10:30

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK											
Analysis Desc: AM20GAX			**Analytical Method: AM20GAX**								
Methane	1800	ug/l	0.10	0.023	1			7/9/2011 10:22	BW		
Ethane	0.54	ug/l	0.025	0.0050	1			7/9/2011 10:22	BW		
Ethene	0.15	ug/l	0.025	0.0080	1			7/9/2011 10:22	BW		

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ANALYTICAL RESULTS

Workorder: 1724 56498-68247 LEATHERCARE

Lab ID: 17240002 Date Received: 6/29/2011 11:45 Matrix: Water
Sample ID: LC5R-06/11 Date Collected: 6/27/2011 12:00

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	420	ug/l	0.10	0.023	1			7/9/2011 10:35	BW		
Ethane	0.16	ug/l	0.025	0.0050	1			7/9/2011 10:35	BW		
Ethene	0.075	ug/l	0.025	0.0080	1			7/9/2011 10:35	BW		

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ANALYTICAL RESULTS

Workorder: 1724 56498-68247 LEATHERCARE

Lab ID: **17240003** Date Received: 6/29/2011 11:45 Matrix: Water
Sample ID: **LC6-06/11** Date Collected: 6/27/2011 13:30

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK											
Analysis Desc: AM20GAX			**Analytical Method: AM20GAX**								
Methane	620	ug/l	0.10	0.023	1			7/9/2011 10:47	BW		
Ethane	0.16	ug/l	0.025	0.0050	1			7/9/2011 10:47	BW		
Ethene	<0.025	ug/l	0.025	0.0080	1			7/9/2011 10:47	BW		

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ANALYTICAL RESULTS

Workorder: 1724 56498-68247 LEATHERCARE

Lab ID: **17240004** Date Received: 6/29/2011 11:45 Matrix: Water
Sample ID: **LC3-06/11** Date Collected: 6/27/2011 14:30

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	140	ug/l	0.10	0.023	1			7/9/2011 11:00	BW		
Ethane	0.050	ug/l	0.025	0.0050	1			7/9/2011 11:00	BW		
Ethene	<0.025	ug/l	0.025	0.0080	1			7/9/2011 11:00	BW		

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ANALYTICAL RESULTS

Workorder: 1724 56498-68247 LEATHERCARE

Lab ID: **17240005** Date Received: 6/29/2011 11:45 Matrix: Water
Sample ID: **LC2-06/11** Date Collected: 6/27/2011 15:45

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	430	ug/l	0.10	0.023	1			7/9/2011 11:13	BW		
Ethane	0.11	ug/l	0.025	0.0050	1			7/9/2011 11:13	BW		
Ethene	0.037	ug/l	0.025	0.0080	1			7/9/2011 11:13	BW		

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ANALYTICAL RESULTS

Workorder: 1724 56498-68247 LEATHERCARE

Lab ID: **17240006** Date Received: 6/29/2011 11:45 Matrix: Water
Sample ID: **LC1-06/11** Date Collected: 6/28/2011 08:45

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK											
Analysis Desc: AM20GAX			**Analytical Method: AM20GAX**								
Methane	330	ug/l	0.10	0.023	1			7/9/2011 11:27	BW		
Ethane	0.16	ug/l	0.025	0.0050	1			7/9/2011 11:27	BW		
Ethene	<0.025	ug/l	0.025	0.0080	1			7/9/2011 11:27	BW		

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ANALYTICAL RESULTS

Workorder: 1724 56498-68247 LEATHERCARE

Lab ID: **17240007** Date Received: 6/29/2011 11:45 Matrix: Water

Sample ID: **GT3-06/11** Date Collected: 6/28/2011 10:10

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK											
Analysis Desc: AM20GAX			**Analytical Method: AM20GAX**								
Methane	250	ug/l	0.10	0.023	1			7/11/2011 08:35	BW		
Ethane	0.19	ug/l	0.025	0.0050	1			7/11/2011 08:35	BW		
Ethene	0.051	ug/l	0.025	0.0080	1			7/11/2011 08:35	BW		

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ANALYTICAL RESULTS

Workorder: 1724 56498-68247 LEATHERCARE

Lab ID: 17240008 Date Received: 6/29/2011 11:45 Matrix: Water
Sample ID: GT2-06/11 Date Collected: 6/28/2011 11:30

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK											
Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	340	ug/l	0.10	0.023	1			7/11/2011 08:45	BW		
Ethane	0.16	ug/l	0.025	0.0050	1			7/11/2011 08:45	BW		
Ethene	0.22	ug/l	0.025	0.0080	1			7/11/2011 08:45	BW		

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ANALYTICAL RESULTS

Workorder: 1724 56498-68247 LEATHERCARE

Lab ID: **17240009** Date Received: 6/29/2011 11:45 Matrix: Water

Sample ID: **GT1-06/11** Date Collected: 6/28/2011 12:55

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK											
Analysis Desc: AM20GAX			**Analytical Method: AM20GAX**								
Methane	140	ug/l	0.10	0.023	1			7/11/2011 08:56	BW		
Ethane	0.62	ug/l	0.025	0.0050	1			7/11/2011 08:56	BW		
Ethene	0.042	ug/l	0.025	0.0080	1			7/11/2011 08:56	BW		

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ANALYTICAL RESULTS

Workorder: 1724 56498-68247 LEATHERCARE

Lab ID: 17240010 Date Received: 6/29/2011 11:45 Matrix: Water
Sample ID: GT20-06/11 Date Collected: 6/28/2011 13:50

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK											
Analysis Desc: AM20GAX				Analytical Method: AM20GAX							
Methane	220	ug/l	0.10	0.023	1			7/11/2011 09:06	BW		
Ethane	0.17	ug/l	0.025	0.0050	1			7/11/2011 09:06	BW		
Ethene	0.086	ug/l	0.025	0.0080	1			7/11/2011 09:06	BW		

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 1724 56498-68247 LEATHERCARE

PARAMETER QUALIFIERS

U	Indicates the compound was analyzed for, but not detected.
J	Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (RDL).

Microseeps Lab. Proj. # 1724

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. #

Phone: (412) 826-5245 | Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238 | Fax No. : (412) 826-3433

Company : COM

Co. Address : 14432 SE Eastgate Way, Ste 100 Bellevue WA 98007

Phone # : 425-519-8300 Fax # :

Proj. Manager : Tom Morrill

Proj. Name/Number : Leatherczar 56498-68247

Sampler's signature : Mary Lou Fox

Cooler Temp. 3.0 | 6/29/11

Parameters Requested: Methane, Ethane, Ethene

Results to : same

Invoice to : same

Sample ID	Sample Description	Sample Type: Water	Vapor	Solid	Date	Time	# Containers	Methane, Ethane, Ethene	Remarks :
LC4R - 06/11		✓			6/27/11	1030	2	✓	Attn: Robbin Robl
LC5R - 06/11		✓				1200	2	✓	
LC6 - 06/11		✓				1330	2	✓	Shipped via Fed Ex
LC3 - 06/11		✓				1430	2	✓	priority overnight
LC2 - 06/11		✓				1545	2	✓	
LC1 - 06/11		✓			6/28/11	0845	2	✓	
GT3 - 06/11		✓				1010	2	✓	
GT2 - 06/11		✓				1130	2	✓	
GT1 - 06/11		✓				1255	2	✓	
GT20 - 06/11		✓				1350	2	✓	

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Mary Lou Fox	COM	6/29/11	1500			6/29/11	noted
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Accompany Samples YELLOW COPY : Laboratory File PINK COPY : Submitter

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