URS

March 30, 2009

Ms. Terese VanDonsel
United States Environmental Protection Agency
Office of Superfund, Region 5
SR-6J
77 West Jackson
Chicago, IL 60604-3590

Subject: Western Area Subsurface Investigation Report
Detrex Source Control Area – Fields Brook Superfund Site
Detrex Corporation, Ashtabula, Ohio
Docket No. V-W-98-C-450

Dear Ms. VanDonsel:

On behalf of Detrex Corporation (Detrex), URS Corporation (URS) submitted a proposed Scope of Work (SOW) to the United States Environmental Protection Agency (U.S. EPA) on January 9, 2009 for evaluating subsurface conditions along the western portion of the Detrex facility, and in particular to further assess the potential for DNAPL migration towards Fields Brook from on site source areas. The report provided herein, describes the results of this investigation.

As a result of conducting additional soil and groundwater investigations on the Detrex property, the following findings are important to note:

- Free DNAPL was not observed in any of the soil boring or monitoring well locations installed during this investigation;
- All groundwater samples collected from the lacustrine / till contact and till/bedrock geological contacts did not detect any volatile organic (VOC) or semi-volatile organic (SVOC) compounds; and
- Soil samples collected from two borings located in the middle of State Road and immediately north of Fields Brook did not detect any VOCs or SVOCs.

Based on the soil and groundwater analytical results obtained from recent sampling in the western property area along with observations during drilling, none of the additional data supports the concept that free DNAPL or DNAPL ganglia impacted material is migrating from the Detrex Source Area towards Fields Brook. This finding is consistent with previous sampling results from alignment borings and data collected during installation of the groundwater interceptor trench located north of Fields Brook in 2006. As previously presented to USEPA, the DNAPL impacted material observed at Fields Brook near the

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North Sewer and in EUs 6 and 8 is not related to an ongoing release of DNAPL from upland areas on Detrex property but is rather related to historical discharges from former sewers and outfalls.

If you have any questions regarding this submittal and information provided, please do not hesitate to contact either Tom Steib at 440-997-6131 or me at 216-622-2432 at your convenience.

Sincerely,

URS Corporation - Ohio

Martin L. Schmidt, Ph.D.
Vice President

Enclosure

cc: R. Currie – Detrex Corporation
T. Doll - Detrex Corporation
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REPORT

WESTERN AREA SUBSURFACE INVESTIGATION

DETREX FACILITY
DETREX SOURCE CONTROL AREA – FIELDS BROOK SUPERFUND SITE
ASHTABULA, OHIO
DOCKET NO. V-W-98-C-450

Prepared for
Detrex Corporation
Ashtabula, OH

March 2009

URS

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TABLE OF CONTENTS

Section 1 Field Summary 1-1

1.1 Scope of Work 1-1
1.2 Soil Borings 1-1
1.3 Monitoring Wells 1-2
1.4 Soil Sampling 1-2
1.5 Groundwater Sampling 1-3
1.6 Monitoring Well and Soil Boring Survey 1-3

Section 2 Summary of Investigation Results 2-1

2.1 Subsurface for Geologic and Hydrogeologic Conditions 2-1
2.2 Laboratory Results 2-1
2.2.1 Soil Analytical Results 2-1
2.2.2 Groundwater Analytical Results 2-2

Section 3 Conclusions 3-1

List of Tables

Table 1 Groundwater Elevation Data Summary

Table 2 Soil Sample Analytical Data Summary

Table 3 Groundwater Sample Analytical Data Summary

List of Figures

Figure 1 Project Site Location Map

Figure 2 Soil Boring and Monitoring Well Locations Map and Cross Section Location Map

Figure 3A Soil Sample Analytical Data and Geologic Cross Section

Figure 3B Groundwater Sample Analytical Data and Geologic Cross Section

List of Appendices

Appendix A Boring Logs

Appendix B Survey Data

Appendix C Analytical Data Validation and Review Report

Appendix D Laboratory Analytical Results and Chains-of-Custody

Detrex Corporation (Detrex) has recently conducted a subsurface investigation along the western boundary of its property parallel to State Road. Field work was performed to evaluate the potential for Dense Non-Aqueous Phase Liquid (DNAPL) migration along the lacustrine sediments and glacial till contact and also the bedrock and glacial till interface. The investigation was conducted in response to comments from the Fields Brook Action Group (FBAG) on December 12, 2008, that suggested DNAPL is migrating along the western boundary of the Detrex facility through pathways along these two main lithologic contacts. A general location map is provided as **Figure 1**.

URS Corporation (URS), on behalf of Detrex, subcontracted Stock Drilling to install soil borings and monitoring wells along the western boundary of the Detrex facility to investigate DNAPL migration. Soil borings and monitoring well locations are shown on **Figure 2**. Soil and groundwater samples were submitted to Precision Analytical under chain of custody procedures for laboratory analysis. Field work extended from January 26, 2009 through February 11, 2009.

1.1 SCOPE OF WORK

In order to evaluate subsurface conditions at the lacustrine sediments and glacial till contact as well as within the glacial till, five (5) soil borings and four (4) nested pairs of monitoring wells were drilled along the western property boundary. These borings were terminated at the bedrock surface or depths of approximately 600 feet mean sea level (ft msl). This noted elevation is below the bottom of Fields Brook channel.

During drilling, soil samples were screened with an 11.7eV Photo-Ionization Detector (PID). The sample with the highest head space screening result along with the sample from the glacial till interface was submitted for analytical testing for VOCs and SVOCs. All borings were drilled using hollow stem augers and continuously sampled to completion depth.

Upon completion of drilling, four (4) nested pairs of monitoring wells were installed to monitor shallow and deep groundwater bearing zones. Wells were constructed of PVC well material with 10-15 foot well screens. The locations of the soil borings and monitoring wells are provided on **Figure 2**. A cross-section location map is provided as **Figure 2**.

1.2 SOIL BORINGS

Soil borings were drilled with 2.75-inch inside diameter (ID) hollow stem augers driven by a CME 55 ATV drill rig. The borings were sampled inside the augers with 2-inch diameter, 2-foot long split spoons. Samples were continuously taken at two-foot intervals from the ground surface to the bottom of the boring. The split spoon sampling equipment were decontaminated between every sampling interval with an alconox-water solution and rinsed with potable water. Each five foot section of auger was steam cleaned between boring locations. The five (5) completed soil borings were denoted as DETWSB-1 through DETWSB-5 **(see Figure 2).**

Temporary PVC well casings with slotted PVC screens were placed in DETWSB-1, DETWSB-2, DETWSB-4, and DETWSB-5 to observe any DNAPL that may be present. DETWSB-3 was

also left open to gauge the water level and check for any DNAPL. All borings were gauged at least 24 hours after completion and also checked with a new disposable High Density Poly-Ethylene (HDPE) bailer for potential DNAPL. The borings were checked for DNAPL by lowering the bailer to the bottom of the boring and slowly retrieved to visually check for product at the bottom of the bailer.

Soil borings DETWSB-1, DETWSB-2, and DETWSB-3 were then decommissioned by pulling out the temporary well casings, if applicable, then pumping bentonite grout through a tremie pipe and topped with concrete. The surface of each boring was backfilled to match the surrounding grade. Soil borings DETWSB-4 and DETWSB-5 were left open with temporary well casings and a temporary plastic cover sealed with bentonite. The temporary well casings were kept to monitor for the potential presence of DNAPL in the future. (Refer to **Appendix A - Boring Logs** for details).

1.3 MONITORING WELLS

The monitoring wells were set as four (4) nested pairs of shallow and deep wells. The deep wells were continuously sampled with split spoons and terminated at shale bedrock surface to investigate any potential DNAPL migration at the bedrock and glacial till interface. The shallow wells were drilled approximately five feet from the deep wells without sampling. The shallow wells were installed to detect any potential DNAPL migration at the contact between the lacustrine sediments and glacial till**.** Each well was installed inside of 4.25-inch ID hollow stem augers driven by a CME 55 ATV drill rig. Each five foot section of auger was steam cleaned between well locations. Each split spoon was decontaminated between every sampling interval with an alconox-water solution and rinsed with potable water.

The wells were constructed with 2-inch ID PVC riser and 2-inch ID 0.010-inch slotted PVC screen packed with silica filter sand. The well was then sealed with bentonite chips and grouted to the surface with bentonite and cement (Refer to **Appendix A - Boring Logs** for details). Following the same nomenclature as the soil borings, the monitoring wells were designated as DETWMW-1D through DETWMW-4D for deep groundwater bearing zones and DETWMW-1S through DETWMW-4S for the shallow groundwater bearing zones (see **Figure 2**).

After installation of each monitoring well, the well was developed by manually bailing nine (9) well volumes or until the well was bailed dry. Each well volume was measured for specific conductivity, temperature, and pH; all measurements were recorded in a field book. The development water was temporarily placed in a 55 gallon steel drum and taken to the Detrex water treatment facility for treatment prior to discharge.

1.4 SOIL SAMPLING

Soil samples were collected at every two (2) feet until a terminal depth was reached. Each soil sample was placed in two Ziploc bags, one for field screening and one to keep on ice for potential lab submittal. The samples were field screened after at least 10 minutes and allowed to warm in the drilling crew's support vehicle. In most instances, the field screening samples were

screened on-site and then taken inside of a building to warm all samples to room temperature for approximately one to two hours. The samples were then field screened again to confirm the readings in the field. Samples were shaken vigorously in the Ziploc bag and then a tube was inserted to a small opening in the bag to collect VOC readings for at least 30 seconds. The instrument used to collect the VOC readings was a MiniRAE 2000 with an 11.7eV PID lamp. The instrument was calibrated to 100.0 ppm VOC with isobutylene daily. PID readings are provided on boring logs in **Appendix A**.

Soil samples were submitted to laboratory based upon PID readings, relation to glacial till interface, and water levels. Samples were placed under chain of custody in chilled coolers to retain a 4° Celsius temperature. Precision Analytical in Cleveland, Ohio, picked up samples from the jobsite on two occasions, January 30, 2009 and February 6, 2009; and picked up the remaining samples from the URS Cleveland office on February 12, 2009. All soil samples were analyzed for Target Compound List (TCL) VOCs and TCL SVOCs.

1.5 GROUNDWATER SAMPLING

After all wells were developed, each well was purged by manually bailing three well volumes or until the well was dry. Each well volume was measured for specific conductivity, temperature, and pH; all measurements were recorded in the field book. Purge water was placed in labeled 55 gallon drums and then staged inside the fenced area of Detrex. The monitoring wells were allowed to settle out sediments for at least two hours prior to collecting groundwater samples into three HCl preserved 40 mL VOA vials and two 1000mL unpreserved glass bottles.

The groundwater samples were placed under chain of custody in chilled coolers to retain a 4° Celsius temperature. Precision Analytical in Cleveland, Ohio, picked up samples from the URS Cleveland office on February 12, 2009. All groundwater samples were analyzed for Target Compound List (TCL) VOCs and TCL Semi-Volatile Organic Compounds (SVOCs).

A duplicate sample was taken from DETWMW-2S and a MS/MSD sample was taken from DETWMW-4S. Monitoring well DETWMW-1D could not be sampled as it remained dry during the entire span of field work.

1.6 MONITORING WELL AND SOIL BORING SURVEY

URS surveyed all monitoring wells and soil borings on March 11, 2009, with a TOPCON electronic total station. This provided ground surface elevations of each soil boring and monitoring well, along with top of casing measurements of each well for groundwater elevation measurements (**Table 1**). Soil borings and monitoring wells were also placed spatially by state plane coordinate system (**Appendix B – Survey Data**)

Upon completion of all soil borings and monitoring wells, DNAPL was not observed in any soil or groundwater sampling locations along the western boundary of Detrex. All soil borings and monitoring wells were visually checked with new disposable HDPE bailers and DNAPL was not observed. Although, while drilling soil boring DETWSB-5, there was a noted chemical odor; however, PID readings were relatively low and DNAPL was not present.

The elevated PID readings for some of the borings (DETWSB-2 and DETWMW-4) may be due to increased humidity while warming the samples for field screening. There was no odor, staining, or any other signs of DNAPL in the soil while drilling any of the remaining soil borings or monitoring wells. The interface between the lacustrine soils and the glacial till, as well as the contact between the glacial till and Shale bedrock exhibited no signs of potential DNAPL migration.

2.1 SUBSURFACE FOR GEOLOGIC AND HYDROGEOLOGIC CONDITIONS

Lacustrine sediments were encountered as three lithologic units; the first unit is a medium stiff, moist, orange-brown and gray mottled, Sandy Silty Clay. This unit was encountered just below the surface to roughly 7.0 to 15.0 feet below ground surface (ft bgs). The second unit is a medium dense, moist, brown and gray, Sandy Silt ranging from 5.0 to 19.0 feet. The third unit is a medium stiff, moist, brownish gray, Silty Clay ranging from 7.0 to 22.0 feet.

Glacial till, stiff, moist, gray, Silty Clay, with shale fragments, was generally encountered between 15-20 ft bgs. Gray shale bedrock was encountered between 28-45 ft bgs. Depths vary significantly due to each boring's distance from Fields Brook, where bedrock and overlaying lithology is relatively shallow. Bedrock gradually slopes away from Fields Brook towards the North. (For details, refer to **Geologic Cross Sections - Figures 3a and 3b; and Appendix A - Boring Logs**).

Groundwater was encountered at various intervals during drilling, with the exception of location DETWMW-1, where groundwater was not encountered. The shallow groundwater bearing zone, approximately 6-15 ft bgs, was monitored in the shallow wells at the lacustrine sediment / glacial till interface. The deep groundwater bearing zone, approximately 25-40 ft bgs was monitored in the glacial till / shale bedrock contact. Neither the shallow or deep groundwater bearing zones were observed to contain any presence of DNAPL.

2.2 LABORATORY RESULTS

2.2.1 Soil Analytical Results

During the Western Area Investigation, only two soil sampling locations displayed elevated concentrations of chemical compounds, DETWSB-4 and DETWSB-5. Soil analytical results are shown on Table 2 and **Figure 3A**.

In soil boring DETWSB-5, the sample from interval 10-12 ft bgs detected 101 ppm of 1,1,2,2-Tetrachloroethane, 10.8 ppm of Tetrachloroethene; 64.6 ppm of Trichloroethene; 0.455 ppm of

1,2-Dichlorobenzene; 1.11 ppm of Hexachlorobenzene; 2.96 ppm of Hexachlorobutadiene; and 9.0 ppm of Hexachloroethane.

The DETWSB-5 sample from interval 18-20 ft bgs detected 0.0106 ppm of 1,1,2 - Trichloroethane, 0.0321 ppm of cis-1,2, Dichloroethene; 0.130 ppm of Tetrachloroethene; 0.00783 ppm of trans-1,2-Dichloroethene; and 1.20 ppm of Trichloroethene

In soil boring DETWSB-4, the sample from interval 18-20 ft bgs detected 0.0576 ppm of 1,1,2,2-Tetrachloroethane, 0.0146 ppm of cis-1,2, Dichloroethene; 0.0342 ppm of Tetrachloroethene; and 0.769 ppm of Trichloroethene.

The interval from 20-22 ft bgs contained 0.128 ppm of 1,1,2,2-Tetrachloroethane, 0.0295 ppm of cis-1,2, Dichloroethene; 0.0905ppm of Tetrachloroethene; 0.00794 ppm of trans-1,2-Dichloroethene; and 2.35 ppm of Trichloroethene.

Other soil sample locations with any chemical concentrations detected above detection limits included the following: DETWSB-3 at interval 17-18 ft bgs - 0.0162 ppm of Trichloroethene; DETWSB-3 at interval 42-44 ft bgs - 0.0149 ppm of Trichloroethene; DETWSB-3 at interval 42-44 ft bgs - 0.0149 ppm of Trichloroethene; DETWMW-4 at interval 18-20 ft bgs - 0.0122 ppm of Trichloroethene; DETWMW-3 at interval 12-14 ft bgs - 0.0149 ppm of Trichloroethene; DETWMW-3 at interval 40-42 ft bgs - 0.0113 ppm of Trichloroethene and also 0.0295 ppm of Methylene Chloride.

All remaining sample locations did not detect VOCs or SVOCs above detection limits. Soil analytical results are summarized in **Table 2**. It should be noted that the cocnetrations of VOCs and SVOCs detected in all soil samples are below the established Clean Up Goals for sediment at the site.

2.2.2 Groundwater Analytical Results

The groundwater samples collected from monitoring wells installed along the western boundary (DETWMW1SD – DETWMW5SD) analyzed did not detect VOCs or SVOCs above detection limits. Groundwater analytical results are shown on **Figure 3B**. Groundwater analytical results are summarized in **Table 3**, the chemical compounds represented in **Table 3** are the compounds detected in soil (**Table 2**).

A copy of the analytical data validation and review report is provided in **Appendix C**. All laboratory results and chain of custodies are represented as **Appendix D.**

As a result of completing additional site investigation activities at the Detrex facility, the following conclusions have been developed:

- Free DNAPL was not observed at soil borings or monitoring well locations located along the western property including State Road north of Fields Brook.
- Elevated concentrations of VOCs and SVOCs were detected in subsurface soil at two locations in the northwest corner of the facility (DEWSB-4&5). The concentrations detected are consistent with previously sampled areas and are related to historical impacts in this area.
- Soil samples collected from borings located approximately 800 feet north of Fields Brook did not detect VOCs or SVOCs.
- Groundwater samples collected from all shallow and deep monitoring wells installed along the western property boundary did not detect any VOCs or SVOCs. Also, no free DNAPL or DNAPL ganglia was observed during drilling / sampling.
- Based on the results from western area investigation, no additional data collected provided any indication of the movement of free DNAPL or DNAPL ganglia from the Detrex DNAPL Source Area towards Fields Brook through either the lacustrine clay or glacial till.
- Since there is no confirmed pathway for DNAPL migration from upland areas on the Detrex property in EU8, the DNAPL impacted material recently excavated from the State Road bridge demolition area is not related to an ongoing source of DNAPL from the Detrex property.

Tables

Table 1
Groundwater Elevation Data
Detrex Corporation
Ashtabula, Ohio

	Location	Date	Elevation (ft)	Total Depth of Boring	Depth to Fluid	Depth to Water	Water Elevation
Monitoring Well	DETWMW-1D	2/10/2009	633.1366	40.05	NMI[a]	DRY	N/A[b]
	DETWMW-1S	2/10/2009	633.2576	27.05	NMI	23.91	609.35
	DETWMW-2D	2/10/2009	634.7558	34.64	NMI	32.43	602.33
	DETWMW-2S	2/10/2009	634.6067	19.56	NMI	3.86	630.75
	DETWMW-3D	2/10/2009	637.5046	22.75	NMI	37.29	600.21
	DETWMW-3S	2/10/2009	637.7959	42.72	NMI	5.51	632.29
	DETWMW-4D	2/10/2009	637.7879	46.50	NMI	32.06	605.73
	DETWMW-4S	2/10/2009	638.2244	25.85	NMI	10.40	627.82
Soil Boring	DETWSB-1	2/4/2009	623.1968	29.70	NMI	6.80	616.40
	DETWSB-2	2/4/2009	624.8761	30.00	NMI	5.25	619.63
	DETWSB-3	2/5/2009	635.5311	44.00	NMI	11.80	623.73
	DETWSB-4	2/9/2009	632.2994	25.20	NMI	3.50	628.80
	DETWSB-5	2/9/2009	632.6346	26.60	NMI	9.35	623.28

Notes:
Measurements taken from North side of top of casing on monitoring wells and ground surface on soil borings
a. No Measureable Interface
b. Not Applicable

Table 2
Soil Sample Analytical Data Summary
Detrex Corporation
Ashtabula, Ohio

	Analyte	Units	DETWSB-1 8-10' (1/29/09)		DETWSB-1 12-14' (1/29/09)		DETWSB-1 20-22' (1/29/09)		DETWSB-2 10-12' (1/29/09)		DETWSB-2 12-14' (1/29/09)		DETWSB-2 20-22' (1/29/09)	
			Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL
VOCs	1,1,2,2-Tetrachloroethane	mg/Kg	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	1,1,2 - Trichloroethane	mg/Kg	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	cis-1,2-Dichloroethene	mg/Kg	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	Methylene Chloride	mg/Kg	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020
	Tetrachloroethene	mg/Kg	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	trans-1,2-Dichloroethene	mg/Kg	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	Trichloroethene	mg/Kg	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
SVOCs	1,2-Dichlorobenzene	mg/Kg	ND	0.329	ND	0.329	ND	0.329	ND	0.329	ND	0.329	ND	0.330
	Hexachlorobenzene	mg/Kg	ND	0.329	ND	0.329	ND	0.329	ND	0.329	ND	0.329	ND	0.330
	Hexachlorobutadiene	mg/Kg	ND	0.329	ND	0.329	ND	0.329	ND	0.329	ND	0.329	ND	0.330
	Hexachloroethane	mg/Kg	ND	0.329	ND	0.329	ND	0.329	ND	0.329	ND	0.329	ND	0.330

Notes:
All chemical compounds not listed are below detection limits
DL - Detection Limit
ND - Not Detected above detection limits
Bold indicates sample analyte is above detection limits
a. Exceeded hold time for preparation or analysis

Table 2
Soil Sample Analytical Data Summary
Detrex Corporation
Ashtabula, Ohio

	Analyte	Units	DETWSB-3 17-18' (2/4/09)		DETWSB-3 42-44' (2/4/09)		DETWSB-4 18-20' (2/6/09)		DETWSB-4 20-22' (2/6/09)		DETWSB-5 10-12' (2/6/09)		DETWSB-5 18-20' (2/6/09)	
			Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL
VOCs	1,1,2,2-Tetrachloroethane	mg/Kg	ND	0.0075	ND	0.0069	**0.0576**	0.00750	**0.128**	0.0069	**101**	6.780	ND	0.386
	1,1,2 - Trichloroethane	mg/Kg	ND	0.0075	ND	0.0069	ND	0.00750	ND	0.0069	ND	0.678	**0.0106**	0.0066
	cis-1,2-Dichloroethene	mg/Kg	ND	0.0075	ND	0.0069	**0.0146**	0.00750	**0.0295**	0.0069	ND	0.678	**0.0321**	0.0066
	Methylene Chloride	mg/Kg	ND	0.030	ND	0.0276	ND	0.030	ND	0.0276	ND	2.710	ND	0.0264
	Tetrachloroethene	mg/Kg	ND	0.0075	ND	0.0069	**0.0342**	0.00750	**0.0905**	0.0069	**10.8**	0.678	**0.13**	0.0066
	trans-1,2-Dichloroethene	mg/Kg	ND	0.0075	ND	0.0069	ND	0.00750	**0.00794**	0.0069	ND	0.678	**0.00783**	0.0066
	Trichloroethene	mg/Kg	**0.0162**	0.0075	**0.0149**	0.0069	**0.769**	0.437	**2.35**	0.364	**64.6**	6.780	**1.2**	0.386
SVOCs	1,2-Dichlorobenzene	mg/Kg	ND	0.330	ND	0.329	ND	0.330	ND	0.330	**0.455**	0.330	ND	0.330
	Hexachlorobenzene	mg/Kg	ND	0.330	ND	0.329	ND	0.330	ND	0.330	**1.11**	0.330	ND	0.330
	Hexachlorobutadiene	mg/Kg	ND	0.330	ND	0.329	ND	0.330	ND	0.330	**2.96**	0.330	ND	0.330
	Hexachloroethane	mg/Kg	ND	0.330	ND	0.329	ND	0.330	ND	0.330	**9.0**	1.650	ND	0.330

Notes:
All chemical compounds not listed are below detection limits
DL - Detection Limit
ND - Not Detected above detection limits
Bold indicates sample analyte is above detection limits
a. Exceeded hold time for preparation or analysis

Table 2
Soil Sample Analytical Data Summary
Detrex Corporation
Ashtabula, Ohio

	Analyte	Units	DETWMW-1 12-14' (1/27/09)		DETWMW-1 20-22' (1/27/09)		DETWMW-1 34-36' (1/27/09)		DETWMW-2 12-14' (1/30/09)		DETWMW-2 22-24' (1/30/09)		DETWMW-3 12-14' (2/3/09)		DETWMW-3 40-42' (2/3/09)		DETWMW-4 10-12' (2/5/09)		DETWMW-4 18-20' (2/5/09)	
			Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL
VOCs	1,1,2,2-Tetrachloroethane	mg/Kg	ND	0.005	ND	0.005	ND	0.005	ND[a]	0.0076	ND[a]	0.007	ND[a]	0.008	ND[a]	0.00685	ND	0.0089	ND	0.007
	1,1,2 - Trichloroethane	mg/Kg	ND	0.005	ND	0.005	ND	0.005	ND[a]	0.0076	ND[a]	0.007	ND[a]	0.008	ND[a]	0.00685	ND	0.0089	ND	0.007
	cis-1,2-Dichloroethene	mg/Kg	ND	0.005	ND	0.005	ND	0.005	ND[a]	0.0076	ND[a]	0.007	ND[a]	0.008	ND[a]	0.00685	ND	0.0089	ND	0.007
	Methylene Chloride	mg/Kg	ND	0.020	ND	0.020	ND	0.020	ND[a]	0.0304	ND[a]	0.028	ND[a]	0.032	**0.0295**[a]	0.0274	ND	0.0356	ND	0.028
	Tetrachloroethene	mg/Kg	ND	0.005	ND	0.005	ND	0.005	ND[a]	0.0076	ND[a]	0.007	ND[a]	0.008	ND[a]	0.00685	ND	0.0089	ND	0.007
	trans-1,2-Dichloroethene	mg/Kg	ND	0.005	ND	0.005	ND	0.005	ND[a]	0.0076	ND[a]	0.007	ND[a]	0.008	ND[a]	0.00685	ND	0.0089	ND	0.007
	Trichloroethene	mg/Kg	ND	0.005	ND	0.005	ND	0.005	ND[a]	0.0076	ND[a]	0.007	**0.0149**[a]	0.008	**0.0113**[a]	0.00685	ND	0.0089	**0.0122**	0.007
SVOCs	1,2-Dichlorobenzene	mg/Kg	ND	0.329	ND	0.330	ND	0.329	ND	0.330	ND	0.330	ND	0.329	ND	0.330	ND	0.330	ND	0.329
	Hexachlorobenzene	mg/Kg	ND	0.329	ND	0.330	ND	0.329	ND	0.330	ND	0.330	ND	0.329	ND	0.330	ND	0.330	ND	0.329
	Hexachlorobutadiene	mg/Kg	ND	0.329	ND	0.330	ND	0.329	ND	0.330	ND	0.330	ND	0.329	ND	0.330	ND	0.330	ND	0.329
	Hexachloroethane	mg/Kg	ND	0.329	ND	0.330	ND	0.329	ND	0.330	ND	0.330	ND	0.329	ND	0.330	ND	0.330	ND	0.329

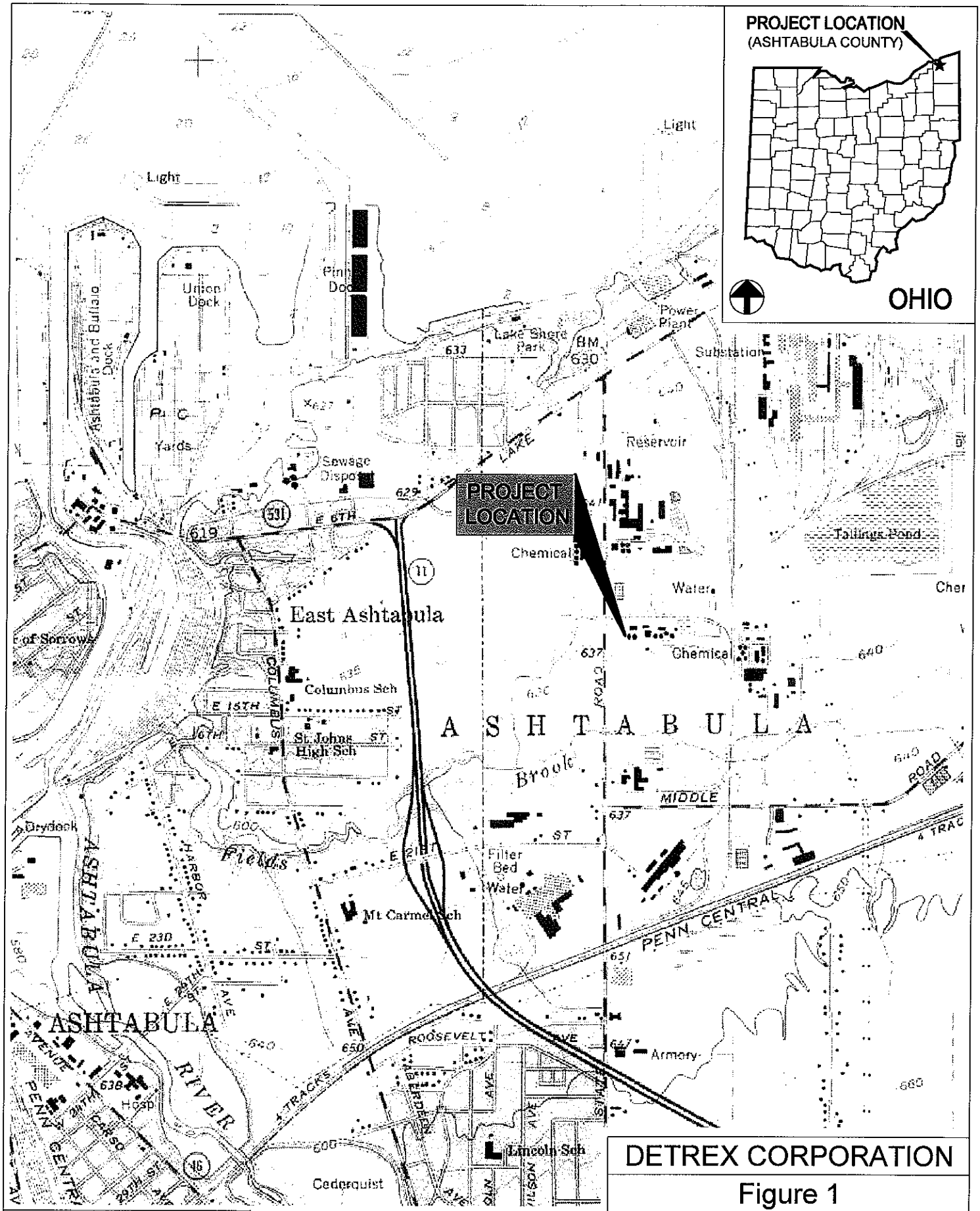
Notes:
All chemical compounds not listed are below detection limits
DL - Detection Limit
ND - Not Detected above detection limits
Bold indicates sample analyte is above detection limits
a. Exceeded hold time for preparation or analysis

Table 3
Groundwater Sample Analytical Data Summary
Detrex Corporation
Ashtabula, Ohio

	Analyte	Units	DETWMW-1S (2/11/09)		DETWMW-2D (2/11/09)		DETWMW-2S (2/11/09)		DETWMW-2S (D) (2/11/09)[b]		DETWMW-3S (2/11/09)		DETWMW-3D (2/11/09)		DETWMW-4S (2/11/09)		DETWMW-4D (2/11/09)	
			Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL
VOCs	1,1,2,2-Tetrachloroethane	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	1,1,2 - Trichloroethane	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	cis-1,2-Dichloroethene	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	Methylene Chloride	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	Tetrachloroethene	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
	trans-1,2-Dichloroethene	mg/L	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010
	Trichloroethene	mg/L	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005
SVOCs	1,2-Dichlorobenzene	mg/L	ND	0.0112	ND	0.0109	ND	0.0112	ND	0.011	ND	0.010	ND	0.011	ND	0.0112	ND	0.010
	Hexachlorobenzene	mg/L	ND	0.0112	ND	0.0109	ND	0.0112	ND	0.011	ND	0.010	ND	0.011	ND	0.0112	ND	0.010
	Hexachlorobutadiene	mg/L	ND	0.0112	ND	0.0109	ND	0.0112	ND	0.011	ND	0.010	ND	0.011	ND	0.0112	ND	0.010
	Hexachloroethane	mg/L	ND	0.0112	ND	0.0109	ND	0.0112	ND	0.011	ND	0.010	ND	0.011	ND	0.0112	ND	0.010

Notes:
Chemical compounds shown were detected in soil (Table 2 - Soil Sample Analytical Data Summary)
ND - Not Detected above detection limits
b. Duplicate Sample

Figures



DETREX CORPORATION

Figure 1
Site Location Map

URS

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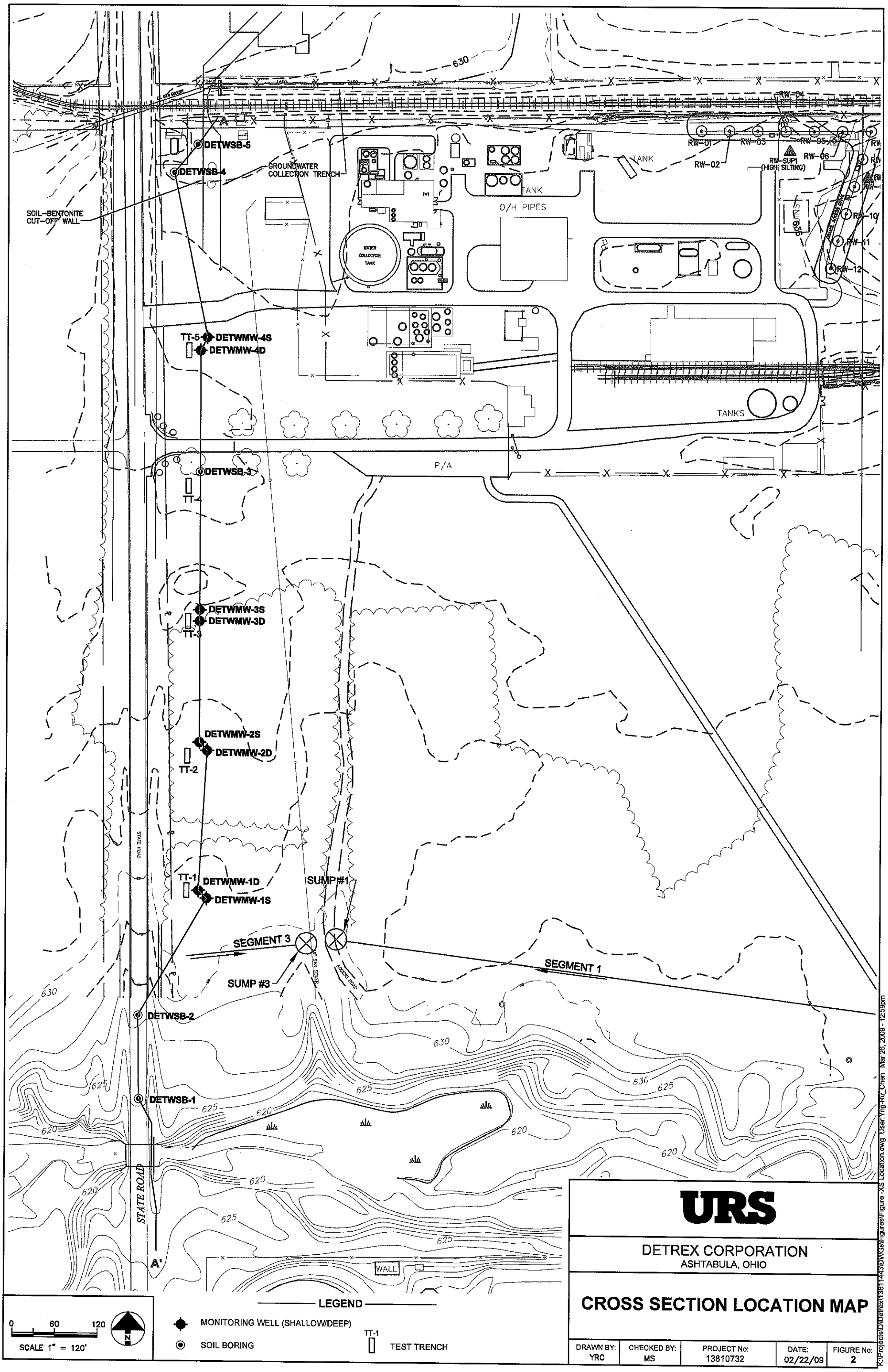
630
DETWSB-5
DETWSB-4
GROUNDWATER COLLECTION TRENCH
SOIL-BENTONITE CUT-OFF WALL
TANK
TANK
O/H PIPES
WATER COLLECTION TANK
RW-01
RW-02
RW-03
RW-04
RW-05
RW-06
RW-SUP1 (HIGH SILTING)
RW-10
RW-11
RW-12
TT-5
DETWMW-4S
DETWMW-4D
TANKS
P/A
DETWSB-3
TT-4
DETWMW-3S
DETWMW-3D
TT-3
DETWMW-2S
DETWMW-2D
TT-2
STATE ROAD
TT-1
DETWMW-1D
DETWMW-1S
SUMP #1
SEGMENT 3
SEGMENT 1
SUMP #3
DETWSB-2
DETWSB-1
625
620
STATE ROAD
A'
WALL
LEGEND
MONITORING WELL (SHALLOW/DEEP)
SOIL BORING
TT-1
TEST TRENCH
0
60
120
SCALE 1" = 120'
N
URS
DETREX CORPORATION
ASHTABULA, OHIO
CROSS SECTION LOCATION MAP
DRAWN BY: YRC
CHECKED BY: MS
PROJECT No: 13810732
DATE: 02/22/09
FIGURE No: 2
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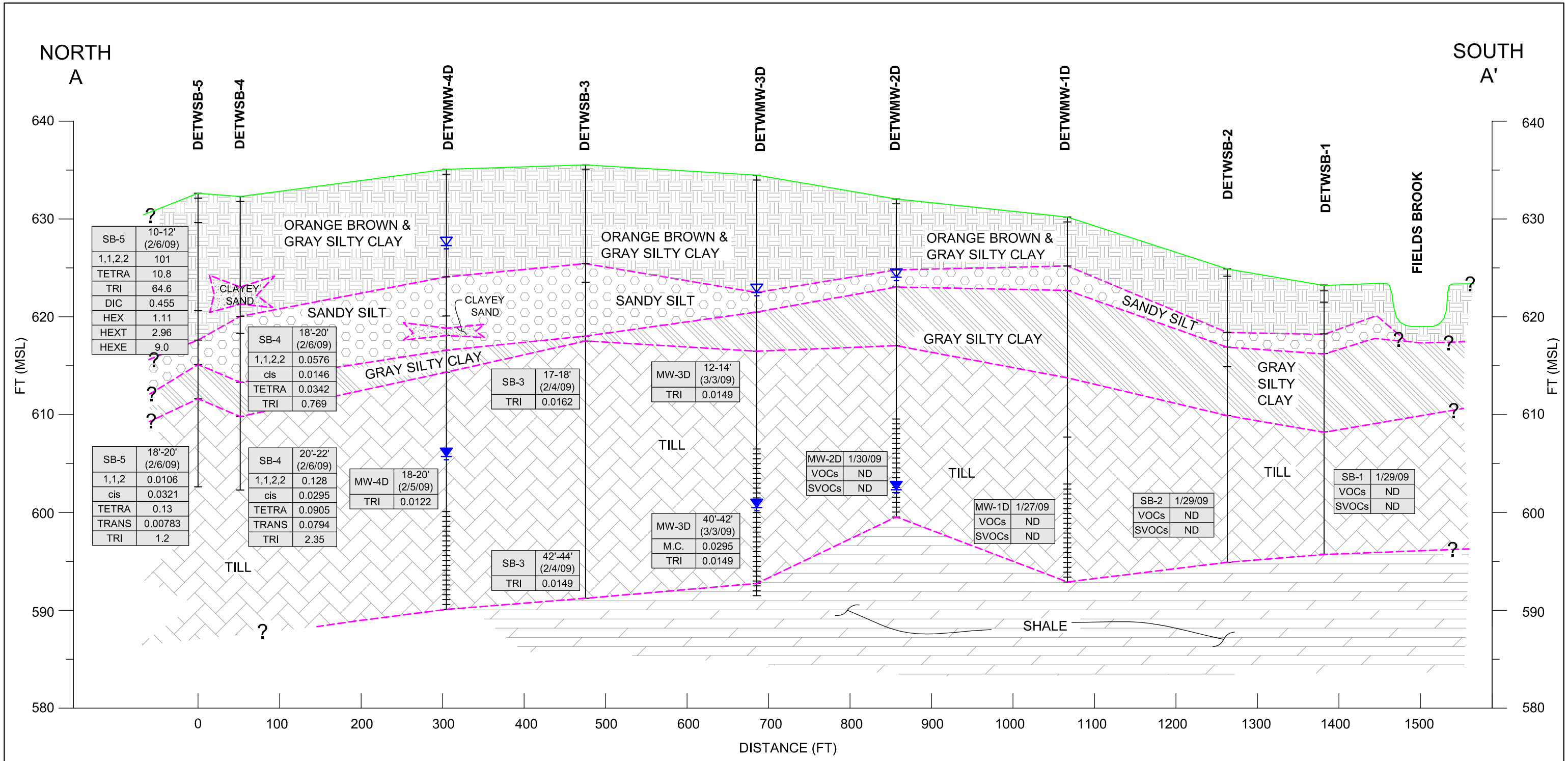

1,1,2,2	1,1,2,2-TETRACHLOROETHANE
1,1,2	1,1,2-TRICHOLORETHANE
cis	cis-1,2-DICHLOROETHENE
M.C.	METHYLENE CHLORIDE
TETRA	TETRACHLOROETHENE
TRANS	TRANS-1,2-DICHLOROETHENE
TRI	TRICHLOROETHENE
DIC	1,2-DICHLOROBENZENE
HEX	HEXACHLOROBENZENE
HEXT	HEXACHLOROBUTADIENE
HEXE	HEXACHLOROETHANE

LEGEND

WATER LEVEL (ATD)

STATIC WATER LEVEL

TILL

SILTY CLAY

SANDY SILT

DETWMW-3D BORING DESIGNATION

APPROXIMATE GEOCONTACT

SCREENED INTERVAL

0 60 120

HORIZONTAL SCALE 1" = 120'

VERTICAL SCALE 1" = 10'

NOTE:
1. ND INDICATES ANALYTES BELOW DETECTION LIMITS. REFER TO TABLE 2 FOR DETAILS.
2. RESULTS AS SHOWN IN PPM.

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DETREX CORPORATION

ASHTABULA, OHIO

SOIL SAMPLE ANALYTICAL DATA AND GEOLOGIC CROSS SECTION

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
YRC	AH	37680069	3/20/09	3A

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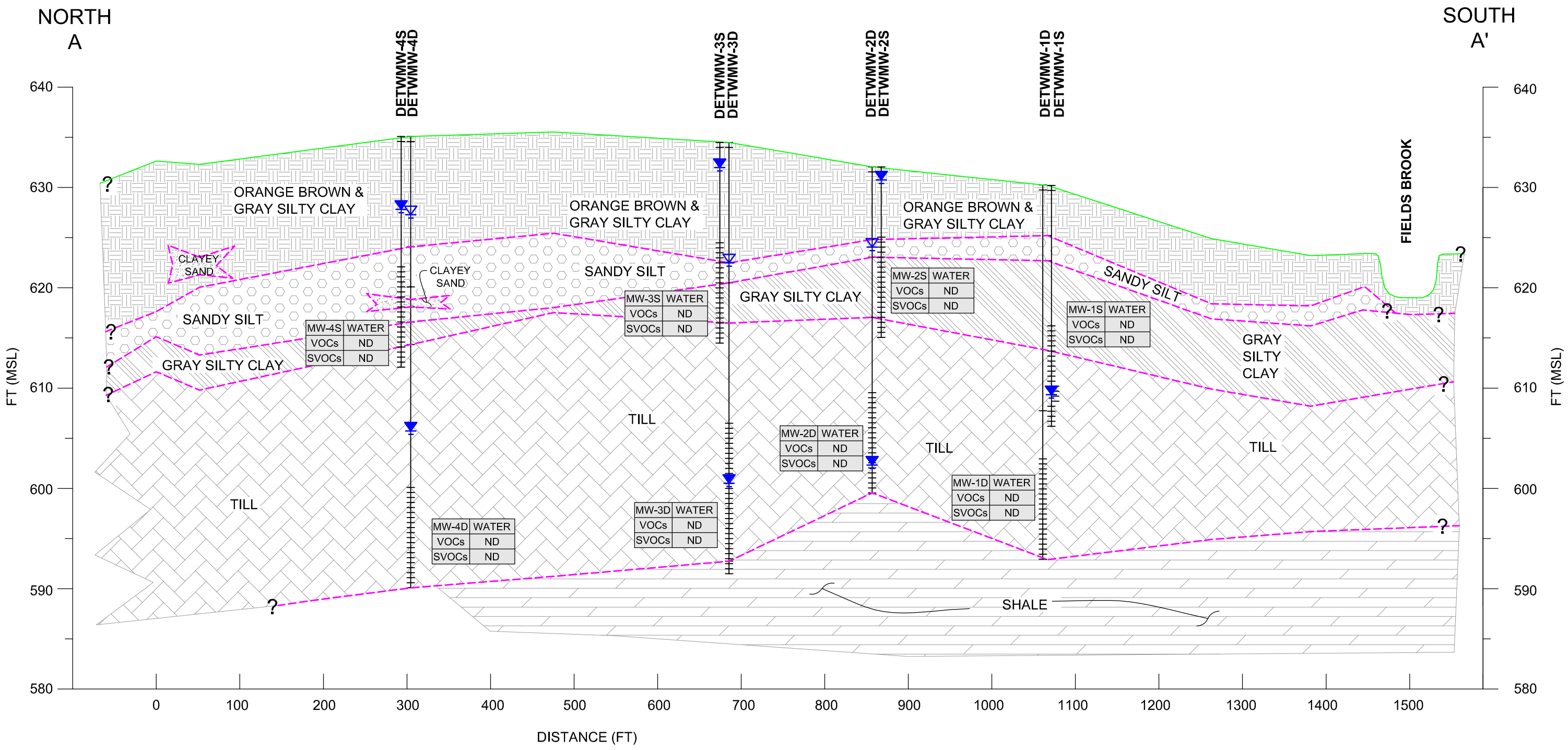

LEGEND

	WATER LEVEL (ATD)		TILL	DETWMW-3D	BORING DESIGNATION
	STATIC WATER LEVEL		SILTY CLAY		APPROXIMATE GEOCONTACT
			SANDY SILT		SCREENED INTERVAL

0 60 120
HORIZONTAL SCALE 1" = 120'
VERTICAL SCALE 1" = 10'

NOTE: ND INDICATES ANALYTES BELOW DETECTION LIMITS. REFER TO TABLE 3 FOR DETAILS.

URS

DETREX CORPORATION
ASHTABULA, OHIO

GROUNDWATER SAMPLE ANALYTICAL DATA AND GEOLOGIC CROSS SECTION

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
YRC	AH	37680069	3/20/09	3B

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Appendix A

Project: Detrex West
Project Location: 1100 State Road, Ashtabula, OH
Project Number: 13811443.07610

Key to Log of Boring

Elevation feet	Depth, feet	SAMPLES: Type	SAMPLES: Number	SAMPLES: Sampling Resistance, Blows per 6"	SAMPLES: Recovery, in	SAMPLES: Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	Well Details	FIELD NOTES AND WELL DETAILS
1	2	3	4	5	6	7	8	9	10	11

COLUMN DESCRIPTIONS

1 **Elevation:** Elevation in feet referenced to mean sea level (MSL) or site datum.

2 **Depth:** Depth in feet below the ground surface.

3 **Sample Type:** Type of soil sample collected at depth interval shown; sampler symbols are explained below.

4 **Sample Number:** Sample identification number.

5 **Sampling Resistance:** Number of blows to advance driven sampler each 6-inch drive interval, or distance noted, using a 140-lb hammer with a 30-inch drop; "NA" indicates data not recorded.

6 **Recovery:** Percentage of driven sample length actually recovered in sampler; "NA" indicates data not recorded.

7 **PID Headspace Readings (ppm):** Photo-Ionization Detector (PID) reading in headspace of sealable plastic bag after several minutes of vapor accumulation.

8 **Graphic Log:** Graphic depiction of subsurface material encountered; typical symbols are explained below.

9 **Material Description:** Description of material encountered; may include color, moisture, grain size, and density/consistency.

10 **Well Details:** Schematic of piezometer or well installation; materials are listed in header block and alongside well schematic; graphic symbols are explained below.

11 **Field Notes and Well Details:** Comments and observations regarding drilling or sampling made by driller or field personnel. Well construction materials and installation details are also listed in this column.

TYPICAL SOIL GRAPHIC SYMBOLS

ASPHALT
FILL
GRASS / TOPSOIL
Silty SAND
Clayey SAND
Sandy SILT
Sandy CLAY
Silty CLAY
Lean CLAY
SHALE

TYPICAL WELL GRAPHIC SYMBOLS

Riser in concrete
Riser in Bentonite Grout
Riser in bentonite pellets
Riser in filter sand
0.010-inch slotted screen in filter sand
Filter Sand

TYPICAL SAMPLER GRAPHIC SYMBOLS

Split spoon
Hollow Stem Auger
Sample submitted for laboratory analysis

OTHER GRAPHIC SYMBOLS

First water encountered at time of drilling and sampling (ATD)
Static water level measured using electronic water level indicator
Minor change in material properties within a lithologic stratum

GENERAL NOTES

1. Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive; actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
2. Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.

Project: Detrex West Project Location: 1100 State Road, Ashtabula, OH Project Number: 13811443.07610	**Log of Boring DETWMW-1D** Sheet 1 of 2

Date(s) Drilled	1/27/09	Logged By	A. Heitger	Checked By	M. Schmidt
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	4.25" I.D. HSA	Total Depth of Borehole	37.3 feet
Drill Rig Type	CME 55 ATV	Drilling Contractor	Stock Drilling	Surface Elevation	630.2
Groundwater Level and Date Measured	None encountered	Sampling Method(s)	2' split spoon	Backfill	Well detail
Location	N 41.894126, W -80.772191				

Elevation feet	Depth, feet	Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	MATERIAL DESCRIPTION	FIELD NOTES AND WELL DETAILS
630	0						GRASS / TOPSOIL	Protective Cover 3' AGS
			SS-01	3 3 3 3	8	0.0	Soft, moist, orange brown and gray mottled, sandy silty CLAY, trace gravel (CL-ML)	Concrete
	2						moisture decreases, with black mottling	
			SS-02	8 8 12 16	17	0.0		
	4							
			SS-03	5 7 10 13	24	0.0	sand content increases becomes brown and gray, with fine sand stringers	Bentonite grout
625	6							
			SS-04	8 8 10 12	18	0.0	moisture increases, without black mottling	
	8						Stiff, moist, brownish gray, silty CLAY (CL-ML) with fine sand and fine rounded gravel	
			SS-05	3 3 3 5	16	0.0	becomes medium stiff	
620	10							2-inch SCH 40 PVC riser
			SS-06	5 8 13 13	24	0.0		
	12							Sample from 12.0 to 14.0 feet bgs submitted for laboratory analysis.
			SS-07	6 8 9 11	23	0.0		
	14						moisture decreases	
			SS-08	6 9 8 7	19	0.0	coarse sand and fine gravel stringers	
615	16						Stiff, moist, brownish gray, silty CLAY (CL-ML) with fine sand and gravel [TILL]	
			SS-09	11 8 10 10	18	0.0		
	18						moisture increases	
			SS-10	3 3 5 9	19	0.0		
	20							

Report: AUGER_RIG_WELL_INSTALL; File: DETREX W_SB1-5-MW1-4.GPJ; 3/30/2009 DETWMW-1D

URS

Project: Detrex West
Project Location: 1100 State Road, Ashtabula, OH
Project Number: 13811443.07610

Log of Boring DETWMW-1D

Elevation feet	Depth, feet	SAMPLES Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	Well Details	FIELD NOTES AND WELL DETAILS
610	20		SS-11	3 3 8 10	19	0.2				Sample from 20.0 to 22.0 feet bgs submitted for laboratory analysis.
	22		SS-12	11 10 18 18	22	0.1		With large light gray shale fragments		
	24		SS-13	8 12 14 17	21	0.1				Bentonite pellets
605	26		SS-14	25 25 25 25	21	0.0		becomes hard, moisture decreases		
	28		SS-15	9 11 16 17	23	0.2				
600	30		SS-16	23 25 30 32	17	0.2				#5 Filter sand
	32		SS-17	16 17 25 25	21	0.9				0.010-slotted screen
595	34		SS-18	15 15 22 24	24	1.6		moisture decreases		Sample from 34.0 to 36.0 feet bgs submitted for laboratory analysis.
	36		SS-19	25 75/6"	10	0.9				
			SS-20	50/4"	4	0.3				
	38							End of Boring at 37.3' bgs Spoon refusal in dry, gray, SHALE at 37.3' BGS		
590	40									
	42									

Report: AUGER_RIG_WELL_INSTALL; File: DETREX W_SB1-5-MW1-4.GPJ; 3/30/2009 DETWMW-1D

URS

Project: Detrex West
Project Location: 1100 State Road, Ashtabula, OH
Project Number: 13811443.07610

Log of Boring DETWMW-1S

Sheet 1 of 1

Date(s) Drilled	1/27/09	Logged By	A. Heitger	Checked By	M. Schmidt
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	4.25" I.D. HSA	Total Depth of Borehole	24.0 feet
Drill Rig Type	CME 55 ATV	Drilling Contractor	Stock Drilling	Surface Elevation	630.2
Groundwater Level and Date Measured	None encountered ATD and 20.91' bgs on 2/10/09	Sampling Method(s)	2' split spoon	Backfill	Well detail
Location	N 41.894129, W -80.772179				

Elevation feet	Depth, feet	Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	MATERIAL DESCRIPTION	FIELD NOTES AND WELL DETAILS
630	0		SS-01	3 3 3 3	8	0.0	GRASS / TOPSOIL Soft, moist, orange brown and gray mottled, sandy silty CLAY, trace gravel (CL-ML)	Protective Cover 3' AGS Concrete
			SS-02	8 8 12 16	17	0.0	moisture decreases, with black mottling	
625	5		SS-03	5 7 10 13	24	0.0	sand content increases becomes brown and gray, with fine sand stringers	Bentonite grout
			SS-04	8 8 10 12	18	0.0	moisture increases, without black mottling Stiff, moist, brownish gray, silty CLAY (CL-ML) with fine sand and fine rounded gravel	2-inch SCH 40 PVC riser
620	10		SS-05	3 3 3 5	16	0.0	becomes medium stiff	
			SS-06	5 8 13 13	24	0.0		Bentonite pellets
			SS-07	6 8 9 11	23	0.0		
615	15		SS-08	6 9 8 7	19	0.0	moisture decreases coarse sand and fine gravel stringers	#5 Filter sand
			SS-09	11 8 10 10	18	0.0	Stiff, moist, brownish gray, silty CLAY (CL-ML) with fine sand and gravel [TILL]	2-inch SCH 40 PVC 0.010-slotted screen
			SS-10	3 3 5 9	19	0.0	moisture increases	
610	20		SS-11	3 3 8 10	19	0.2		
			SS-12	11 10 18 18	22	0.1	With large light gray shale fragments	
605	25						End of Boring at 24' bgs * INFORMATION FROM LOG DETWMW-1D	

Report: AUGER_RIG_WELL_INSTALL; File: DETREX W_SB1-5-MW1-4.GPJ; 3/30/2009 DETWMW-1S

URS

Project: Detrex West Project Location: 1100 State Road, Ashtabula, OH Project Number: 13811443.07610	**Log of Boring DETWMW-2D** Sheet 1 of 2

Date(s) Drilled	1/30/09	Logged By	A. Heitger	Checked By	M. Schmidt
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	4.25" I.D. HSA	Total Depth of Borehole	32.5 feet
Drill Rig Type	CME 55 ATV	Drilling Contractor	Stock Drilling	Surface Elevation	632.0
Groundwater Level and Date Measured	Approximately 8.0' bgs ATD and 29.43' bgs on 2/10/09	Sampling Method(s)	2' split spoon	Backfill	Well detail
Location	N 41.894653, W -80.772208				

Elevation feet	Depth, feet	SAMPLES Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	Well Details	FIELD NOTES AND WELL DETAILS
	0							GRASS / TOPSOIL with roots		Protective Cover 3' AGS
			SS-01	3 3 4 4	12	0.0		Medium stiff, moist, orange brown, gray and black mottled, sandy silty CLAY (CL-ML)		Concrete
630	2		SS-02	5 8 7 8	22	0.0				
	4		SS-03	3 9 4 8	24	0.0				Bentonite grout
	6		SS-04	5 6 8 9	24	0.0				
625								Medium dense, moist, brown and gray, sandy SILT (ML)		
	8		SS-05	10 6 8 9	21	0.0		wet layer		2-inch SCH 40 PVC riser
								Medium stiff, moist, brownish gray, silty CLAY (CL-ML) with varves		
	10		SS-06	3 3 4 5	11	0.0		without varves		
620	12		SS-07	7 8 11 11	24	0.0		with fine gravel		Sample from 12.0 to 14.0 feet bgs submitted for laboratory analysis.
	14		SS-08	5 5 6 7	24	0.0		Stiff, moist, brownish gray, silty CLAY (CL-ML) with fine gravel and large light gray shale fragments [TILL]		
	16							with fine sand		
615			SS-09	10 11 11 9	21	0.0				
	18							plasticity and moisture increases		
			SS-10	2 2 4 5	23	0.0				Bentonite pellets
	20									

Report: AUGER_RIG_WELL_INSTALL; File: DETREX W_SB1-5-MW1-4.GPJ; 3/30/2009 DETWMW-2D

URS

Project: Detrex West
Project Location: 1100 State Road, Ashtabula, OH
Project Number: 13811443.07610

Log of Boring DETWMW-2D

Elevation feet	Depth, feet	SAMPLES Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	Well Details	FIELD NOTES AND WELL DETAILS
	20									#5 Filter sand
			SS-11	3 3 4 5	21	0.0				
610	22							fine sand content increases, decreased plasticity, trace coarse sand		Sample from 22.0 to 24.0 feet bgs submitted for laboratory analysis.
			SS-12	8 8 9 10	24	0.0				
	24							moisture decreases, without coarse sand		
			SS-13	4 4 8 8	21	0.0				
	26									
605			SS-14	12 12 18 14	21	0.0				
	28									2-inch SCH 40 PVC 0.010-slotted screen
			SS-15	11 12 15 13	22	0.0				
	30									
			SS-16	11 12 15 17	22	0.0				
600	32		SS-17	50/4"	4	0.0				
								End of Boring at 32.5' bgs Spoon Refusal in dry, gray, SHALE at 32.5' BGS		
	34									
	36									
595										
	38									
	40									
590	42									

Report: AUGER_RIG_WELL_INSTALL; File: DETREX W_SB1-5-MW1-4.GPJ; 3/30/2009 DETWMW-2D

URS

Project: Detrex West Project Location: 1100 State Road, Ashtabula, OH Project Number: 13811443.07610	**Log of Boring DETWMW-2S** Sheet 1 of 1

Date(s) Drilled	1/30/09	Logged By	A. Heitger	Checked By	M. Schmidt
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	4.25" I.D. HSA	Total Depth of Borehole	17.0 feet
Drill Rig Type	CME 55 ATV	Drilling Contractor	Stock Drilling	Surface Elevation	632.0
Groundwater Level and Date Measured	Approximately 8.0' bgs ATD and 0.86' bgs on 2/10/09	Sampling Method(s)	2' split spoon	Backfill	Well detail
Location	N 41.894655, W -80.772194				

Elevation feet	Depth, feet	SAMPLES Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	Well Details	FIELD NOTES AND WELL DETAILS
	0							GRASS / TOPSOIL with roots		Protective Cover 3' AGS
			SS-01	3 3 4 4	12	0.0		Medium stiff, moist, orange brown, gray and black mottled, sandy silty CLAY (CL-ML)		Concrete
630	2		SS-02	5 8 7 8	22	0.0				
	4		SS-03	3 9 4 8	24	0.0				Bentonite pellets
	6		SS-04	5 6 8 9	24	0.0				2-inch SCH 40 PVC riser
625								Medium dense, moist, brown and gray, sandy SILT (ML)		
	8		SS-05	10 6 8 9	21	0.0		wet layer Medium stiff, moist, brownish gray, silty CLAY (CL-ML) with varves		#5 Filter sand
	10		SS-06	3 3 4 5	11	0.0		without varves		2-inch SCH 40 PVC 0.010-slotted screen
620	12		SS-07	7 8 11 11	24	0.0		with fine gravel		
	14		SS-08	5 5 6 7	24	0.0		Stiff, moist, brownish gray, silty CLAY (CL-ML) with fine gravel and large light gray shale fragments [TILL]		
	16		SS-09	10 11	21	0.0		with fine sand		
615								End of Boring at 17' bgs * INFORMATION FROM LOG DETWMW-2D		
	18									
	20									

URS

Report: AUGER_RIG_WELL_INSTALL; File: DETREX W_SB1-5-MW1-4.GPJ; 3/30/2009 DETWMW-2S

Project: Detrex West **Project Location: 1100 State Road, Ashtabula, OH** **Project Number: 13811443.07610**	**Log of Boring DETWMW-3D** Sheet 1 of 2

Date(s) Drilled	2/3/09	Logged By	T. Whipple	Checked By	M. Schmidt
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	4.25" I.D. HSA	Total Depth of Borehole	43.0 feet
Drill Rig Type	CME 55 ATV	Drilling Contractor	Stock Drilling	Surface Elevation	634.5
Groundwater Level and Date Measured	Approximately 12' bgs ATD and 34.29 bgs on 2/10/09	Sampling Method(s)	2' split spoon	Backfill	Well detail
Location	N 41.895212, W -80.772196				

Elevation feet	Depth, feet	SAMPLES Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	Well Details	FIELD NOTES AND WELL DETAILS
	0							GRASS / Dark gray TOPSOIL (6"), with tree roots		Protective Cover 3' AGS
			SS-01	2 2 3 3	18	<0.1		Medium stiff, moist, brown and gray mottled, lean CLAY (CL), with roots		Concrete
			SS-02	3 4 6 7	18	<0.1		becomes stiff		
630	5		SS-03	3 3 5 5	20	<0.1		becomes medium stiff		Bentonite grout
			SS-04	4 4 6 8	22	<0.1		becomes stiff, with iron oxidation		
			SS-05	6 7 15 11	22	<0.1		becomes very stiff		
625	10		SS-06	8 11 12 10	24	<0.1		becomes very moist, brown, with sand		2-inch SCH 40 PVC riser
			SS-07	4 4 8 9	24	<0.1		Medium stiff, wet, gray, silty CLAY (CL-ML)		
620	15		SS-08	4 5 7 9	24	<0.1		Stiff, moist, gray, lean CLAY (CL)		
			SS-09	6 6 7 9	24	<0.1				Sample from 16.0 to 18.0 feet bgs submitted for laboratory analysis.
			SS-10	3 3 4 5	20	<0.1		Medium stiff, moist, gray, lean CLAY (CL), trace subrounded fine gravel [TILL]		
615	20		SS-11	3 3 4 5	18	<0.1				Bentonite pellets

URS

Report: AUGER_RIG_WELL_INSTALL; File: DETREX W_SB1-5-MW1-4.GPJ; 3/30/2009 DETWMW-3D

Project: Detrex West
Project Location: 1100 State Road, Ashtabula, OH
Project Number: 13811443.07610

Log of Boring DETWMW-3D

Elevation feet	Depth, feet	SAMPLES Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	Well Details	FIELD NOTES AND WELL DETAILS
			SS-12	3 3 4 5	20	<0.1				2-inch SCH 40 PVC riser
610	25		SS-13	5 6 10 10	20	<0.1		becomes stiff		
			SS-14	10 10 15 15	22	<0.1		becomes very stiff, wet, with fine to coarse subrounded gravel		
								becomes moist, trace fine gravel		
			SS-15	8 9 11 14	22	<0.1				
605	30							moisture content decreases, with shale fragments		
			SS-16	8 10 12 15	22	<0.1				
			SS-17	20 23 30 30	22	<0.1				
600	35		SS-18	10 10 15 17	24	<0.1				2-inch SCH 40 PVC 0.010-slotted screen
			SS-19	22 25 30 33	24	<0.1				#5 Filter sand
			SS-20	12 12 20 20	24	<0.1				
595	40		SS-21	25 25 25 50	22	<0.1				Sample from 40.0 to 42.0 feet bgs submitted for laboratory analysis.
			AUGER	N/A	0	N/A		Gray SHALE		Sand
								End of Boring at 43' bgs		
590	45									

Report: AUGER_RIG_WELL_INSTALL; File: DETREX W_SB1-5-MW1-4.GPJ; 3/30/2009 DETWMW-3D

URS

Project: Detrex West
Project Location: 1100 State Road, Ashtabula, OH
Project Number: 13811443.07610

Log of Boring DETWMW-3S

Sheet 1 of 1

Date(s) Drilled	2/3/09	Logged By	T. Whipple	Checked By	M. Schmidt
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	4.25" I.D. HSA	Total Depth of Borehole	20.0 feet
Drill Rig Type	CME 55 ATV	Drilling Contractor	Stock Drilling	Surface Elevation	634.5
Groundwater Level and Date Measured	Approximately 12' bgs ATD and 2.51 bgs on 2/10/09	Sampling Method(s)	2' split spoon	Backfill	Well detail
Location	N 41.895223, W -80.772194				

Elevation feet	Depth, feet	Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	MATERIAL DESCRIPTION
	0						GRASS / Dark gray TOPSOIL (6"), with tree roots
			SS-01	2 2 3 3	18	<0.1	Medium stiff, moist, brown and gray mottled, lean CLAY (CL), with roots
			SS-02	3 4 6 7	18	<0.1	becomes stiff
630	5		SS-0	3 3 5 5	20	<0.1	becomes medium stiff
			SS-04	4 4 6 8	22	<0.1	becomes stiff, with iron oxidation
			SS-05	6 7 15 11	22	<0.1	becomes very stiff
625	10		SS-06	8 11 12 10	24	<0.1	becomes very moist, brown, with sand
			SS-07	4 4 8 9	24	<0.1	Medium stiff, wet, gray, silty CLAY (CL-ML)
620	15		SS-08	4 5 7 9	24	<0.1	Stiff, moist, gray, lean CLAY (CL)
			SS-09	6 6 7 9	24	<0.1	
615	20		SS-10	3 3 4 5	20	<0.1	Medium stiff, moist, gray, lean CLAY (CL), trace subrounded fine gravel [TILL]
							End of Boring at 20' bgs
							* INFORMATION FROM LOG DETWMW-3D

Graphic Log

Well Details

FIELD NOTES AND WELL DETAILS

- Protective Cover 3' AGS
- Concrete
- Bentonite grout
- 2-inch SCH 40 PVC riser
- Bentonite pellets
- 2-inch SCH 40 PVC 0.010-slotted screen
- #5 Filter sand

URS

Report: AUGER_RIG_WELL_INSTALL; File: DETREX W_SB1-5-MW1-4.GPJ; 3/30/2009 DETWMW-3S

Project: Detrex West Project Location: 1100 State Road, Ashtabula, OH Project Number: 13811443.07610	Log of Boring DETWMW-4D Sheet 1 of 2

Date(s) Drilled	2/5/09	Logged By	A. Heitger	Checked By	M. Schmidt
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	4.25" I.D. HSA	Total Depth of Borehole	45.0 feet
Drill Rig Type	CME 55 ATV	Drilling Contractor	Stock Drilling	Surface Elevation	635.1
Groundwater Level and Date Measured	Approximately 7.8' bgs ATD and 29.06' bgs on 2/10/09	Sampling Method(s)	2' split spoon	Backfill	Well detail
Location	N 41.896250, W -80.772192				

Elevation feet	Depth, feet	SAMPLES Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	Well Details	FIELD NOTES AND WELL DETAILS
										Protective Cover 3' AGS
635	0							GRASS / TOPSOIL		Concrete
			SS-01	2 2 2 2	9	0.0		Medium stiff, moist, orange brown and gray mottled, silty CLAY (CL-ML)		
			SS-02	3 6 6 5	20	0.0		trace gray and dark brown mottling		
630	5		SS-03	4 4 5 5	19	0.0				Bentonite grout
			SS-04	5 4 7 7	23	0.0		Medium dense, wet, brown, sandy SILT	▽	
			SS-05	6 7 11 11	20	114		wet layer		
625	10		SS-06	5 7 8 6	14	305		Medium stiff, moist, brownish gray, sandy silty CLAY (CL-ML)		Sample from 10.0 to 12.0 feet bgs submitted for laboratory analysis.
			SS-07	3 3 6 6	22	9.0		with wet fine sand stringers		
620	15		SS-08	12 11 11 12	23	0.0		Medium dense, wet, gray, sandy SILT (ML)		
			SS-09	3 3 5 6	16	297		Soft, moist, brownish gray, sandy CLAY (SC) Medium dense, moist, gray, sandy SILT (ML)		
			SS-10	3 3 5 5	21	0.0		Medium stiff, moist, gray, sandy silty CLAY (CL-ML)		Sample from 18.0 to 20.0 feet bgs submitted for laboratory analysis.
615	20		SS-11	3 5 6 8	24	99.6		becomes soft, wet Medium stiff, moist, brownish gray, silty CLAY (CL-ML), with fine sand, trace fine gravel [TILL]		

URS

Project: Detrex West
Project Location: 1100 State Road, Ashtabula, OH
Project Number: 13811443.07610

Log of Boring DETWMW-4D

Elevation feet	Depth, feet	Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	Well Details	FIELD NOTES AND WELL DETAILS
			SS-12	4 3 7 7	20	162				
								sand content increases		2-inch SCH 40 PVC riser
610	25		SS-13	12 15 10 10	21	39.1		wet, coarse sand seam moisture decreases		
			SS-14	5 9 7 7	18	0.0				
			SS-15	6 7 10 12	17	0.0		layer of large shale fragments		
605	30		SS-16	8 13 15 19	22	28.7				
								becomes stiff large shale fragment		Bentonite pellets
			SS-17	19 30 25 37	21	0.0				#5 Filter sand
600	35		SS-18	15 15 23 22	23	0.0		large shale fragment		
			SS-19	25 20 35 38	16	0.0				
								becomes medium stiff, moisture decreases		
			SS-20	5 10 16 16	24	0.0				2-inch SCH 40 PVC 0.010-slotted screen
595	40		SS-21	8 10 19 21	23	0.0		soft, wet layer		
			SS-22	20 23 30 35	24	0.0				
			SS-23	50 50/6	12	0.0				
590	45							End of Boring at 45' bgs Spoon Refusal in dry, gray, SHALE at 45.0' BGS		

Report: AUGER_RIG_WELL_INSTALL; File: DETREX W_SB1-5-MW1-4.GPJ; 3/30/2009 DETWMW-4D

URS

Project: Detrex West
Project Location: 1100 State Road, Ashtabula, OH
Project Number: 13811443.07610

Log of Boring DETWMW-4S

Sheet 1 of 1

Date(s) Drilled	2/5/09	Logged By	A. Heitger	Checked By	M. Schmidt
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	4.25" I.D. HSA	Total Depth of Borehole	23.0 feet
Drill Rig Type	CME 55 ATV	Drilling Contractor	Stock Drilling	Surface Elevation	635.1
Groundwater Level and Date Measured	Approximately 7.8' bgs ATD and 7.40' bgs on 2/10/09	Sampling Method(s)	2' split spoon	Backfill	Well detail
Location	N 41.896267, W -80.772191				

Elevation feet	Depth, feet	Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	MATERIAL DESCRIPTION	FIELD NOTES AND WELL DETAILS
635	0						GRASS / TOPSOIL	Protective Cover 3' AGS
			SS-01	2 2 2 2	9	0.0	Medium stiff, moist, orange brown and gray mottled, silty CLAY (CL-ML)	Concrete
			SS-02	3 6 6 5	20	0.0		
							trace gray and dark brown mottling	
630	5		SS-03	4 4 5 5	19	0.0		Bentonite grout
			SS-04	5 4 7 7	23	0.0		2-inch SCH 40 PVC riser
							Medium dense, wet, brown, sandy SILT	
			SS-05	6 7 11 11	20	114		
625	10						wet layer	Bentonite pellets
			SS-06	5 7 8 6	14	305	Medium stiff, moist, brownish gray, sandy silty CLAY (CL-ML)	
			SS-07	3 3 6 6	22	9.0		
							with wet fine sand stringers	
620	15		SS-08	12 11 11 12	23	0.0	Medium dense, wet, gray, sandy SILT (ML)	#5 Filter sand
			SS-09	3 3 5 6	16	297	Soft, moist, brownish gray, sandy CLAY (SC)	
							Medium dense, moist, gray, sandy SILT (ML)	
			SS-10	3 3 5 5	21	0.0	Medium stiff, moist, gray, sandy silty CLAY (CL-ML)	
615	20						becomes soft, wet	2-inch SCH 40 PVC 0.010-slotted screen
			SS-11	3 5 6 8	24	99.6	Medium stiff, moist, brownish gray, silty CLAY (CL-ML), with fine sand, trace fine gravel [TILL]	
			SS-12	4 3	20	162		
							End of Boring at 23' bgs	
							* INFORMATION FROM LOG DETWMW-4D	
	25							

URS

Report: AUGER_RIG_WELL_INSTALL; File: DETREX W_SB1-5-MW1-4.GPJ; 3/30/2009 DETWMW-4S

Project: Detrex West Project Location: 1100 State Road, Ashtabula, OH Project Number: 13811443.07610	Log of Boring DETWSB-1 Sheet 1 of 2

Date(s) Drilled	1/29/09	Logged By	A. Heitger	Checked By	M. Schmidt
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	2.75" I.D. HSA	Total Depth of Borehole	27.5 feet
Drill Rig Type	CME 55 ATV	Drilling Contractor	Stock Drilling	Approximate Surface Elevation	623.2
Groundwater Level and Date Measured	Approximately 5.75' bgs ATD and 6.80' bgs on 2/4/09	Sampling Method(s)	2' split spoon	Borehole Completion	Bentonite Grout
Location	N 41.893350, W -80.772505				

Elevation feet	Depth, feet	SAMPLES Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	0							ASPHALT	
			AUGER	N/A	0	N/A		BRICK and CONCRETE [FILL]	
			SS-01	8	6	0.0		Medium stiff, moist, brown and gray mottled, sandy silty CLAY, with fine gravel, trace rock fragments [FILL]	
620			SS-02	4 7 10 15	17	0.0			
	5		SS-03	5 4 3 2	21	0.0		Medium dense, moist, brown, sandy SILT (ML) becomes wet	
			SS-04	3 3 5 8	18	0.0		Soft, moist, brown and gray, sandy silty CLAY (CL-ML) moisture decreases, with fine gravel becomes medium stiff, moisture decreases	
615			SS-05	7 9 9 3	23	1.2			Sample from 8.0 to 10.0 feet bgs submitted for laboratory analysis.
	10		SS-06	11 15 15 15	17	0.0			
610			SS-07	7 8 12 20	21	0.1			Sample from 12.0 to 14.0 feet bgs submitted for laboratory analysis.
	15		SS-08	11 12 13 14	4	2.4		Medium stiff, moist, gray, silty CLAY (CL-ML) with shale fragments [TILL]	
			SS-09	11 17 21 15	8	4.0		moisture decreases	
605			SS-10	13 8 13 15	24	0.0			
	20		SS-11	15 15 15 15	20	0.0			Sample from 20.0 to 22.0 feet bgs submitted for laboratory analysis.

Report: AUGER_RIG_SOIL_BORING; File: DETREX W_SB1-5-MW1-4.GPJ; 3/30/2009 DETWSB-1

URS

Project: Detrex West
Project Location: 1100 State Road, Ashtabula, OH
Project Number: 13811443.07610

Log of Boring DETWSB-1

Elevation feet	Depth, feet	SAMPLES Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
600			SS-12	7 8 15 15	14	0.0			
	25		SS-13	9 9 18 17	22	0.0		← layer of large gray shale fragments ← layer of large gray shale fragments	
			SS-14	15 20 50/4"	17	0.0			
595								End of Boring at 27.5' bgs Spoon refusal in dry, gray, SHALE at 28.0' BGS	
	30								
590									
	35								
585									
	40								
580									
	45								

URS

Project: Detrex West
Project Location: 1100 State Road, Ashtabula, OH
Project Number: 13811443.07610

Log of Boring DETWSB-2

Date(s) Drilled	1/29/09	Logged By	A. Heitger	Checked By	M. Schmidt
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	2.75" I.D. HSA	Total Depth of Borehole	30.0 feet
Drill Rig Type	CME 55 ATV	Drilling Contractor	Stock Drilling	Approximate Surface Elevation	624.9
Groundwater Level and Date Measured	Approximately 13.5' bgs ATD and 5.25' bgs on 2/4/09	Sampling Method(s)	2' split spoon	Borehole Completion	Bentonite Grout
Location	N 41.893682, W -80.772499				

Elevation feet	Depth, feet	SAMPLES Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	0		AUGER	NA	NA	NA		ASPHALT	
								BRICK [FILL]	
			SS-01	10 7	12	0.0		Stiff, moist, brown and gray, silty CLAY, with gravel and rock fragments [FILL]	
	2		SS-02	5 7 7 9	13	0.0		Medium stiff, moist, brown, sandy silty CLAY (CL-ML), trace fine gravel	
	4							gravel content increases	
620			SS-03	4 5 8 4	24	0.0			
	6		SS-04	8 9 10 13	17	0.0		Medium dense, moist, brown, sandy SILT (ML)	
	8		SS-05	7 8 9 10	3	0.0		Medium stiff, moist, brown and gray, sandy silty CLAY (CL-ML), with fine gravel	
615	10		SS-06	4 4 6 6	10	63.7		Soft, moist, brownish gray, silty CLAY (CL-ML) with fine rounded gravel, trace fine sand	Sample from 10.0 to 12.0 feet bgs submitted for laboratory analysis.
	12		SS-07	9 10 10 11	18	3.9		becomes medium stiff; wet seam	Sample from 12.0 to 14.0 feet bgs submitted for laboratory analysis.
610	14		SS-08	7 11 14 14	24	0.0		Medium stiff, moist, brownish gray, silty CLAY (CL-ML) with fine rounded gravel and shale fragments, trace fine sand [TILL]	
	16		SS-09	20 20 20 20	15	1.7		becomes stiff	
	18		SS-10	12 15 17 20	24	0.0		moisture decreases, with large light gray shale fragments	
605	20								

URS

Project: Detrex West
Project Location: 1100 State Road, Ashtabula, OH
Project Number: 13811443.07610

Log of Boring DETWSB-2

Elevation feet	Depth, feet	SAMPLES Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	20		SS-11	12 15 12 12	20	57.0			Sample from 20.0 to 22.0 feet bgs submitted for laboratory analysis.
	22		SS-12	18 20 22 24	24	31.5		moisture increases, fine sand content increases	
	24		SS-13	12 10 9 20	23	3.2			
600	26		SS-14	20 20 22 17	17	8.2		moisture decreases	
	28		SS-15	10 15 22 50	23	23.2			
595	30							End of Boring at 30' bgs Spoon refusal in dry, gray, SHALE at 30.0' BGS	
	32								
	34								
590	36								
	38								
585	40								
	42								

Report: AUGER_RIG_SOIL_BORING; File: DETREX W_SB1-5-MW1-4.GPJ; 3/30/2009 DETWSB-2

URS

Project: Detrex West Project Location: 1100 State Road, Ashtabula, OH Project Number: 13811443.07610	Log of Boring DETWSB-3 Sheet 1 of 2

Date(s) Drilled	2/4/09	Logged By	A. Heitger	Checked By	M. Schmidt
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	2.75" I.D. HSA	Total Depth of Borehole	44.3 feet
Drill Rig Type	CME 55 ATV	Drilling Contractor	Stock Drilling	Approximate Surface Elevation	635.5
Groundwater Level and Date Measured	Approximately 14.0' bgs ATD and 11.80' bgs on 2/5/09	Sampling Method(s)	2' split spoon	Borehole Completion	Bentonite Grout
Location	N 41.895719, W -80.772177				

Elevation feet	Depth, feet	SAMPLES Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	0							GRASS	
635			SS-01	3 3 3 3	7	0.0		Medium stiff, moist, orange brown and gray mottled, silty CLAY (CL-ML)	
								with trace black mottling, trace fine sand	
			SS-02	5 6 7 7	16	0.0			
								with fine gravel	
	5		SS-03	4 4 6 6	20	0.0		layer of gray shale fragments	
630									
			SS-04	6 6 8 9	22	0.0		with fine sand stringers, gray mottling becomes trace	
			SS-05	6 7 9 13	24	0.0		medium dense, brown, moist, sandy SILT	
								wet seam	
	10								
625			SS-06	10 10 12 14	20	0.0		Medium dense, moist, gray and brown, sandy SILT (ML), trace fine gravel	
			SS-07	7 6 6 7	27	0.0		Medium dense, moist, gray, clayey sandy SILT (ML), trace fine gravel	
								wet, with coarse sand and fine gravel	
	15		SS-08	3 3 4 7	18	0.0		gravel content decreases	
620									
			SS-09	6 6 10 10	20	0.0		wet	Sample from 16.0 to 18.0 feet bgs submitted for laboratory analysis.
								Medium stiff, moist, gray, sandy silty CLAY (CL-ML), with fine gravel	
			SS-10	4 4 6 9	19	0.0		Medium stiff, moist, gray, sandy silty CLAY (CL-ML) with angular rock fragments and dark gray shale fragments [TILL]	
	20								
615			SS-11	4 4 6 8	21	0.0		soft consistency	

URS

Project: Detrex West
Project Location: 1100 State Road, Ashtabula, OH
Project Number: 13811443.07610

Log of Boring DETWSB-3

Elevation feet	Depth, feet	Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
			SS-12	10 10 10 12	23	0.0		with large rock and shale fragments	
610	25		SS-13	5 5 8 8	24	0.0		becomes brownish gray, trace coarse sand	
			SS-14	9 9 13 16	24	0.0			
			SS-15	7 7 8 8	19	0.0			
605	30		SS-16	6 8 11 13	21	0.0		becomes stiff	
			SS-17	9 22 23 24	18	0.0		large dark gray shale fragment	
600	35		SS-18	8 15 18 20	23	0.0		layer of large dark gray shale fragemnts	
			SS-19	20 22 25 20	18	0.0			
			SS-20	13 14 20 20	21	0.0		layer of large dark gray shale fragemnts	
595	40		SS-21	12 12 20 22	22	0.0			
			SS-22	38 32 28 26	20	0.0		becomes hard	Sample from 42.0 to 44.0 feet bgs submitted for laboratory analysis.
			SS-23	50/4"	4	0.0			
590	45							End of Boring at 44.3' bgs Spoon Refusal in dry, gray, SHALE at 44.3' BGS	

URS

Project: Detrex West Project Location: 1100 State Road, Ashtabula, OH Project Number: 13811443.07610	Log of Boring DETWSB-4 Sheet 1 of 2

Date(s) Drilled	2/6/09	Logged By	A. Heitger	Checked By	M. Schmidt
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	2.75" I.D. HSA	Total Depth of Borehole	30.0 feet
Drill Rig Type	CME 55 ATV	Drilling Contractor	Stock Drilling	Surface Elevation	632.3
Groundwater Level and Date Measured	Approximately 12.25' bgs ATD and 3.50' bgs on 2/9/09	Sampling Method(s)	2' split spoon	Backfill	Temporary well casing
Location	N 41.896931, W -80.772482				

Elevation feet	Depth, feet	SAMPLES Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	Well Details	FIELD NOTES AND WELL DETAILS
	0							GRASS, topsoil		
			SS-01	3 3 3 3	10	0.0		Soft, moist, orange brown and gray mottled, sandy silty CLAY (CL-ML)		
630	2		SS-02	4 7 7 7	16	0.0		large rock fragments		
	4		SS-03	4 4 6 6	20	0.0		with oxidation staining		2-inch SCH 40 PVC riser
	6		SS-04	6 7 8 8	24	0.0		without gray mottling		
625	8		SS-05	6 7 8 9	24	0.0				
	10		SS-06	2 3 4 6	21	0.0		Medium dense, moist, brown, clayey SAND (SC)		
								Medium stiff, moist, brown and gray, sandy silty CLAY (CL-ML)		
								becomes gray		
620	12		SS-07	4 4 4 6	24	0.0		Medium dense, wet, gray, sandy SILT (ML)		
	14		SS-08	3 3 4 6	23	0.0		Medium dense, wet, gray, silty SAND (SM)		
	16		SS-09	3 4 7 7	22	0.0		with clay		
615	18		SS-10	3 4 4 6	21	0.0		silt content increases		Sample from 18.0 to 20.0 feet bgs submitted for laboratory analysis.
								Soft, moist, gray, silty CLAY (CL-ML), trace sand		
	20									

Report: AUGER_RIG_WELL_INSTALL; File: DETREX W_SB1-5-MW1-4.GPJ; 3/30/2009 DETWSB-4

URS

Project: Detrex West
Project Location: 1100 State Road, Ashtabula, OH
Project Number: 13811443.07610

Log of Boring DETWSB-4

Elevation feet	Depth, feet	SAMPLES Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	Well Details	FIELD NOTES AND WELL DETAILS
	20		SS-11	3 3 3 6	24	0.0				Sample from 20.0 to 22.0 feet bgs submitted for laboratory analysis.
610	22		SS-12	3 12 7 7	24	0.0		Medium stiff, moist, gray, silty CLAY (CL-ML), with shale fragments, trace sand [TILL]		
	24		SS-13	3 4 6 6	19	0.0		4" wet sandy layer		
605	26		SS-14	5 9 10 10	24	0.0				2-inch SCH 40 PVC 0.010-slotted screen
	28		SS-15	5 6 9 12	23	0.0				
	30							End of Boring at 30' bgs		
600	32									
	34									
595	36									
	38									
590	40									
	42									

Report: AUGER_RIG_WELL_INSTALL; File: DETREX W_SB1-5-MW1-4.GPJ; 3/30/2009 DETWSB-4

URS

Project: Detrex West Project Location: 1100 State Road, Ashtabula, OH Project Number: 13811443.07610	**Log of Boring DETWSB-5** Sheet 1 of 2

Date(s) Drilled	2/6/09	Logged By	A. Heitger	Checked By	M. Schmidt
Drilling Method	Hollow Stem Auger	Drill Bit Size/Type	2.75" I.D. HSA	Total Depth of Borehole	30.0 feet
Drill Rig Type	CME 55 ATV	Drilling Contractor	Stock Drilling	Surface Elevation	632.6
Groundwater Level and Date Measured	Approximately 14.75' bgs ATD and 9.35' bgs on 2/9/09	Sampling Method(s)	2' split spoon	Backfill	Temporary well casing
Location	N 41.896959, W -80.772140				

Elevation feet	Depth, feet	SAMPLES Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	Well Details	FIELD NOTES AND WELL DETAILS
	0							GRASS, topsoil		
			SS-01	3 3 3 4	17	41.9		Soft, moist, brown, clayey SILT, with gravel [FILL]		
	2									
630			SS-02	3 3 3 6	14	42.1		Medium stiff, moist, orange brown and gray mottled, sandy silty CLAY (CL-ML)		
	4		SS-03	5 4 5 6	19	50.1				
	6		SS-04	6 6 6 9	20	46.2		with oxidation staining, gray mottling becomes trace layer of black shale fragments		
625	8		SS-05	5 5 6 9	24	82.8		with rust brown coloration		2-inch SCH 40 PVC riser Odor from 9.75' BGS to 30' BGS
	10		SS-06	4 4 6 9	24	145.0		wet seam		Sample from 10.0 to 12.0 feet bgs submitted for laboratory analysis.
	12							Soft, moist, gray, sandy silty CLAY (CL-ML)		
620			SS-07	5 6 6 9	19	140.0		medium dense, wet, brown, sandy SILT		
	14		SS-08	3 4 4 4	22	63.7		Medium dense, wet, gray, sandy SILT (ML)		
	16		SS-09	4 4 4 4	24	30.1		with clay		
615	18		SS-10	6 2 2 4	23	0.0		Soft, moist, gray, silty CLAY (CL-ML), with sand		Sample from 18.0 to 20.0 feet bgs submitted for laboratory analysis.
	20									

Report: AUGER_RIG_WELL_INSTALL; File: DETREX W_SB1-5-MW1-4.GPJ; 3/30/2009 DETWSB-5

URS

Project: Detrex West
Project Location: 1100 State Road, Ashtabula, OH
Project Number: 13811443.07610

Log of Boring DETWSB-5

Elevation feet	Depth, feet	SAMPLES Type	Number	Sampling resistance blows per 6"	Recovery, in	Headspace, ppm	Graphic Log	MATERIAL DESCRIPTION	Well Details	FIELD NOTES AND WELL DETAILS
	20									
			SS-11	4 4 4 6	20	13.7		Medium stiff, moist, gray, silty CLAY (CL-ML), with sand and shale fragments [TILL]		
	22									
610			SS-12	6 6 8 8	24	28.0				
	24									
			SS-13	5 5 6 6	21	14.6				
	26									
			SS-14	3 3 5 5	23	20.2				2-inch SCH 40 PVC 0.010-slotted screen
605	28									
			SS-15	5 5 9 11	22	23.8				
	30							End of Boring at 30' bgs		
	32									
600										
	34									
	36									
595	38									
	40									
	42									
590										

Report: AUGER_RIG_WELL_INSTALL; File: DETREX W_SB1-5-MW1-4.GPJ; 3/30/2009 DETWSB-5

URS

Appendix B

Survey Data

Point#	Northing	Easting	Elevation	Description
5022	817260.5276	2438812.9273	635.8156	IPF(traverse point)
5023	817370.0798	2438807.1248	634.6382	MAGF(traverse point)
5024	817349.6208	2438852.6953	635.5592	IPF(traverse point)
5025	817220.6000	2438867.6576	634.1609	MH
5026	817211.4833	2438878.4247	632.3716	DPT-13
5027	817211.2001	2438878.6837	633.7174	DPT-13-G
5028	817204.4249	2438888.5811	632.2994	DETWSB-4
5029	816995.4539	2438909.0706	638.2244	DETMWS-4S
5030	816990.2993	2438908.8849	637.7879	DETMWS-4D
5031	816991.7649	2438910.6240	635.0923	G(ground shot)
5032	816991.1930	2438909.0501	635.0860	G(ground shot)
5033	817076.6937	2438946.1524	635.7560	DPT-18
5034	817150.6515	2439044.8492	636.4123	DPT-22
5035	817247.8558	2438917.8059	632.6346	DETWSB-5
5036	816795.9842	2438916.6206	635.5311	DETWSB-3
5037	816689.6123	2438875.8161	635.0210	Iron Pin Found
5038	816613.9560	2438859.7760	634.4919	HUB(traverse point)
5039	817017.9596	2438856.4309	636.0716	MAGF
5040	816799.6768	2438853.2473	635.9320	CEI-VAULT
5041	816689.6596	2438875.5963	635.0267	Iron pin Found
5042	816615.1770	2438915.6932	637.7959	DETWMW-3S
5043	816611.2532	2438915.0955	637.5046	DETWMW-3D
5044	816423.7020	2438855.9160	632.9731	MAGS
5045	816408.1105	2438919.6435	634.6067	DETWMW-2S
5046	816407.2799	2438916.0365	634.7558	DETWMW-2D
5047	816408.6392	2438916.5607	632.0463	G
5048	816208.8469	2438858.2210	628.5511	MAGS(traverse point)
5049	816188.8596	2438860.6963	627.7711	CEI-VAULT
5050	816051.6737	2438843.8917	624.8761	DETWSB-2
5051	815931.1424	2438844.5956	623.1968	DETWSB-1
5052	815981.0098	2438849.6341	623.7609	CL
5053	816325.0314	2438845.8872	631.3394	CL
5054	816216.5935	2438927.7438	633.2576	DETMW-1S
5055	816215.5335	2438924.5592	633.1366	DETMW-1D

Appendix C

Data Review Report
January/February 2009 Sampling Event
Detrex Corporation

Reviewer: P. Schuler
Date: March 23, 2009

Twenty-one soil samples and eight water samples were collected at the Detrex Corporation site from January 27 to February 11, 2007. The samples were submitted to Precision Analytical in Cleveland, Ohio for analysis of the parameters listed in Table 1.

Table 1
Sample and Analysis Summary

Laboratory ID	Sample ID	Sample Date	Matrix	Requested Analyses[1]	
				VOC	SVOC
0902004-001	DETWMW-1:12-14	01/27/09	Soil	X	X
0902004-002	DETWMW-1:20-22	01/27/09	Soil	X	X
0902004-003	DETWMW-1:34-36	01/27/09	Soil	X	X
0902004-004	DETWSB-1:12-14	01/29/09	Soil	X	X
0902004-005	DETWSB-1:20-22	01/29/09	Soil	X	X
0902004-006	DETWSB-1:8-10	01/29/09	Soil	X	X
0902004-007	DETWSB-2:10-12	01/29/09	Soil	X	X
0902004-008	DETWSB-2:12-14	01/29/09	Soil	X	X
0902004-009	DETWSB-2:20-22	01/29/09	Soil	X	X
0902170-001	DETWMW-2:12-14	01/30/09	Soil	X	X
0902170-002	DETWMW-2:22-24	01/30/09	Soil	X	X
0902170-003	DETWMW-3:12-14	02/03/09	Soil	X	X
0902170-004	DETWMW-3:40-42	02/03/09	Soil	X	X
0902170-005	DETWSB-3:17-18	02/04/09	Soil	X	X
0902170-006	DETWSB-3:42-44	02/04/09	Soil	X	X
0902170-007	DETWMW-4:10-12	02/05/09	Soil	X	X
0902170-008	DETWMW-4:18-20	02/05/09	Soil	X	X
0902309-001	DETWSB-4: 18-20	02/06/09	Soil	X	X
0902309-002	DETWSB-4: 20-22	02/06/09	Soil	X	X
0902309-003	DETWSB-5: 10-12	02/06/09	Soil	X	X
0902309-004	DETWSB-5: 18-20	02/06/09	Soil	X	X
0902313-001	DETWMW-1S	02/11/09	Water	X	X
0902313-002	DETWMW-2D	02/11/09	Water	X	X
0902313-003	DETWMW-2S	02/11/09	Water	X	X
0902313-004	DETWMW-2S (D)	02/11/09	Water	X	X
0902313-005	DETWMW-3D	02/11/09	Water	X	X
0902313-006	DETWMW-3S	02/11/09	Water	X	X

Laboratory ID	Sample ID	Sample Date	Matrix	Requested Analyses(1)	
				VOC	SVOC
0902313-007	DETWMW-4D	02/11/09	Water	X	X
0902313-008	DETWMW-4S	02/11/09	Water	X	X

(1) VOC = Volatile Organic Compounds [SW-846 Method 8260B]
SVOC = Semivolatile Organic Compounds [SW-846 Method 8270C]

A standard review for analytical data quality was performed by URS Corporation (URS) for the above referenced samples. A standard review includes assessment of supporting quality control (QC) parameters such as associated laboratory control sample (LCS) recoveries, laboratory blank results, matrix spike/matrix spike duplicate (MS/MSD) recoveries, surrogate recoveries, field duplicate results, detection limits, and holding times. A standard review does not include examination of the raw data or reconstruction of the analytical results.

The significant findings (findings that resulted in qualification of data or otherwise affected data quality) were as follows:

- Four samples were analyzed for volatile organics by Method 8260B 1 to 5 days after the 14-day holding time for the analysis had expired. Consequently, all of the volatile results for samples DETWMW-2:12-14, DETWMW-2:22-24, DETWMW-3:12-14, and DETWMW-3:40-42 were qualified as estimated (flagged "J" or "UJ") and may be biased low.
- The non-detect results for 4-nitrophenol and pentachlorophenol in sample DETWSB-2:20-22 were rejected (flagged "R") due to MS/MSD recoveries below 10%. The excessively low recoveries of the analytes from the sample indicate that the presence or absence of the analytes can not be determined. The results are not usable.

No other significant findings were identified. All data are considered usable, with the exception of 4-nitrophenol and pentachlorophenol in sample DETWSB-2:20-22. Neither of the two rejected chemicals was detected in other samples and their presence is not expected at the site. Therefore, the loss of these two data points does not have a significant adverse effect on the project.

The final data set, with qualifiers, is summarized in Tables 2-1 through 2-4.

Table 2-1
Analytical Data Summary - Volatile Organics in Soil
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0902004-001 DETWMW-1 12-14 01/27/09	0902004-002 DETWMW-1 20-22 01/27/09	0902004-003 DETWMW-1 34-36 01/27/09	0902004-004 DETWSB-1 12-14 01/29/09	0902004-005 DETWSB-1 20-22 01/29/09	0902004-006 DETWSB-1 8-10 01/29/09
1,1,1-Trichloroethane	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/Kg	100 U	100 U	100 U	100 U	100 U	100 U
4-Methyl-2-pentanone	µg/Kg	20 U	20 U	20 U	20 U	20 U	20 U
Acetone	µg/Kg	100 U	100 U	100 U	100 U	100 U	100 U
Benzene	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	µg/Kg	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
m,p-Xylene	µg/Kg	10 U	10 U	10 U	10 U	10 U	10 U
Methyl ethyl ketone	µg/Kg	20 U	20 U	20 U	20 U	20 U	20 U
Methylene chloride	µg/Kg	20 U	20 U	20 U	20 U	20 U	20 U
o-Xylene	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl acetate	µg/Kg	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	µg/Kg	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

Bold = Positive detection.

Table 2-1
Analytical Data Summary - Volatile Organics in Soil
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0902004-007 DETWSB-2 10-12 01/29/09	0902004-008 DETWSB-2 12-14 01/29/09	0902004-009 DETWSB-2 20-22 01/29/09	0902170-001 DETWMW-2 12-14 01/30/09	0902170-002 DETWMW-2 22-24 01/30/09	0902170-003 DETWMW-3 12-14 02/03/09
1,1,1-Trichloroethane	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
1,1,2,2-Tetrachloroethane	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
1,1,2-Trichloroethane	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
1,1-Dichloroethane	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
1,1-Dichloroethene	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
1,2-Dichloroethane	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
1,2-Dichloropropane	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
2-Hexanone	µg/Kg	100 U	100 U	100 U	152 UJ	140 UJ	160 UJ
4-Methyl-2-pentanone	µg/Kg	20 U	20 U	20 U	30.4 UJ	28.0 UJ	32.0 UJ
Acetone	µg/Kg	100 U	100 U	100 U	152 UJ	140 UJ	160 UJ
Benzene	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
Bromodichloromethane	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
Bromoform	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
Bromomethane	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
Carbon disulfide	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
Carbon tetrachloride	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
Chlorobenzene	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
Chloroethane	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
Chloroform	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
Chloromethane	µg/Kg	10 U	10 U	10 U	15.2 UJ	14.0 UJ	16.0 UJ
cis-1,2-Dichloroethene	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
cis-1,3-Dichloropropene	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
Dibromochloromethane	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
Ethylbenzene	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
m,p-Xylene	µg/Kg	10 U	10 U	10 U	15.2 UJ	14.0 UJ	16.0 UJ
Methyl ethyl ketone	µg/Kg	20 U	20 U	20 U	30.4 UJ	28.0 UJ	32.0 UJ
Methylene chloride	µg/Kg	20 U	20 U	20 U	30.4 UJ	28.0 UJ	32.0 UJ
o-Xylene	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
Styrene	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
Tetrachloroethene	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
Toluene	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
trans-1,2-Dichloroethene	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
trans-1,3-Dichloropropene	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
Trichloroethene	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ
Vinyl acetate	µg/Kg	10 U	10 U	10 U	15.2 UJ	14.0 UJ	16.0 UJ
Vinyl chloride	µg/Kg	5.0 U	5.0 U	5.0 U	7.60 UJ	7.00 UJ	8.00 UJ

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

Bold = Positive detection.

Table 2-1
Analytical Data Summary - Volatile Organics in Soil
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0902170-004 DETWMW-3 40-42 02/03/09	0902170-005 DETWSB-3 17-18 02/04/09	0902170-006 DETWSB-3 42-44 02/04/09	0902170-007 DETWMW-4 10-12 02/05/09	0902170-008 DETWMW-4 18-20 02/05/09	0902309-001 DETWSB-4 18-20 02/06/09
1,1,1-Trichloroethane	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
1,1,2,2-Tetrachloroethane	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	**57.6**
1,1,2-Trichloroethane	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
1,1-Dichloroethane	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
1,1-Dichloroethene	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
1,2-Dichloroethane	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
1,2-Dichloropropane	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
2-Hexanone	µg/Kg	137 UJ	150 U	138 U	178 U	140 U	150 U
4-Methyl-2-pentanone	µg/Kg	27.4 UJ	30.0 U	27.6 U	35.6 U	28.0 U	30 U
Acetone	µg/Kg	137 UJ	150 U	138 U	178 U	140 U	150 U
Benzene	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
Bromodichloromethane	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
Bromoform	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
Bromomethane	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
Carbon disulfide	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
Carbon tetrachloride	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
Chlorobenzene	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
Chloroethane	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
Chloroform	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
Chloromethane	µg/Kg	13.7 UJ	15.0 U	13.8 U	17.8 U	14.0 U	15 U
cis-1,2-Dichloroethene	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	**14.6**
cis-1,3-Dichloropropene	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
Dibromochloromethane	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
Ethylbenzene	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
m,p-Xylene	µg/Kg	13.7 UJ	15.0 U	13.8 U	17.8 U	14.0 U	15 U
Methyl ethyl ketone	µg/Kg	27.4 UJ	30.0 U	27.6 U	35.6 U	28.0 U	30 U
Methylene chloride	µg/Kg	**29.5 J**	30.0 U	27.6 U	35.6 U	28.0 U	30 U
o-Xylene	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
Styrene	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
Tetrachloroethene	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	**34.2**
Toluene	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
trans-1,2-Dichloroethene	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
trans-1,3-Dichloropropene	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U
Trichloroethene	µg/Kg	**11.3 J**	**16.2**	**14.9**	8.90 U	**12.2**	**769**
Vinyl acetate	µg/Kg	13.7 UJ	15.0 U	13.8 U	17.8 U	14.0 U	15 U
Vinyl chloride	µg/Kg	6.85 UJ	7.50 U	6.90 U	8.90 U	7.00 U	7.5 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

Bold = Positive detection.

Table 2-1
Analytical Data Summary - Volatile Organics in Soil
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0902309-002 DETWSB-4 20-22 02/06/09	0902309-003 DETWSB-5 10-12 02/06/09	0902309-004 DETWSB-5 18-20 02/06/09
1,1,1-Trichloroethane	µg/Kg	6.9 U	678 U	6.6 U
1,1,2,2-Tetrachloroethane	µg/Kg	**128**	**101000**	386 U
1,1,2-Trichloroethane	µg/Kg	6.9 U	678 U	**10.6**
1,1-Dichloroethane	µg/Kg	6.9 U	678 U	6.6 U
1,1-Dichloroethene	µg/Kg	6.9 U	678 U	6.6 U
1,2-Dichloroethane	µg/Kg	6.9 U	678 U	6.6 U
1,2-Dichloropropane	µg/Kg	6.9 U	678 U	6.6 U
2-Hexanone	µg/Kg	138 U	13600 U	132 U
4-Methyl-2-pentanone	µg/Kg	27.6 U	2710 U	26.4 U
Acetone	µg/Kg	138 U	136000 U	132 U
Benzene	µg/Kg	6.9 U	6780 U	6.6 U
Bromodichloromethane	µg/Kg	6.9 U	678 U	6.6 U
Bromoform	µg/Kg	6.9 U	678 U	6.6 U
Bromomethane	µg/Kg	6.9 U	6780 U	6.6 U
Carbon disulfide	µg/Kg	6.9 U	6780 U	6.6 U
Carbon tetrachloride	µg/Kg	6.9 U	678 U	6.6 U
Chlorobenzene	µg/Kg	6.9 U	6780 U	6.6 U
Chloroethane	µg/Kg	6.9 U	6780 U	6.6 U
Chloroform	µg/Kg	6.9 U	678 U	6.6 U
Chloromethane	µg/Kg	13.8 U	1360 U	13.2 U
cis-1,2-Dichloroethene	µg/Kg	**29.5**	6780 U	**32.1**
cis-1,3-Dichloropropene	µg/Kg	6.9 U	678 U	6.6 U
Dibromochloromethane	µg/Kg	6.9 U	678 U	6.6 U
Ethylbenzene	µg/Kg	6.9 U	6780 U	6.6 U
m,p-Xylene	µg/Kg	13.8 U	13600 U	13.2 U
Methyl ethyl ketone	µg/Kg	27.6 U	2710 U	26.4 U
Methylene chloride	µg/Kg	27.6 U	2710 U	26.4 U
o-Xylene	µg/Kg	6.9 U	678 U	6.6 U
Styrene	µg/Kg	6.9 U	6780 U	6.6 U
Tetrachloroethene	µg/Kg	**90.5**	**10800**	**130**
Toluene	µg/Kg	6.9 U	6780 U	6.6 U
trans-1,2-Dichloroethene	µg/Kg	**7.94**	6780 U	**7.83**
trans-1,3-Dichloropropene	µg/Kg	6.9 U	6780 U	6.6 U
Trichloroethene	µg/Kg	**2350**	**64600**	**1200**
Vinyl acetate	µg/Kg	13.8 U	1360 U	13.2 U
Vinyl chloride	µg/Kg	6.9 U	6780 U	6.6 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

Bold = Positive detection.

Table 2-2
Analytical Data Summary - Semivolatile Organics in Soil
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0902004-001 DETWMW-1 12-14 01/27/09	0902004-002 DETWMW-1 20-22 01/27/09	0902004-003 DETWMW-1 34-36 01/27/09	0902004-004 DETWSB-1 12-14 01/29/09	0902004-005 DETWSB-1 20-22 01/29/09	0902004-006 DETWSB-1 8-10 01/29/09	0902004-007 DETWSB-2 10-12 01/29/09	0902004-008 DETWSB-2 12-14 01/29/09	0902004-009 DETWSB-2 20-22 01/29/09
1,2,4-Trichlorobenzene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
1,2-Dichlorobenzene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
1,3-Dichlorobenzene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
1,4-Dichlorobenzene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
2,4,5-Trichlorophenol	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
2,4,6-Trichlorophenol	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
2,4-Dichlorophenol	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
2,4-Dimethylphenol	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
2,4-Dinitrophenol	mg/Kg	1.70 U	1.70 U	1.70 U	1.69 U	1.70 U	1.69 U	1.69 U	1.70 U	1.70 U
2,4-Dinitrotoluene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
2,6-Dinitrotoluene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
2-Chloronaphthalene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
2-Chlorophenol	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
2-Methylnaphthalene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
2-Methylphenol	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
2-Nitroaniline	mg/Kg	1.70 U	1.70 U	1.70 U	1.69 U	1.70 U	1.69 U	1.69 U	1.70 U	1.70 U
2-Nitrophenol	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
3&4 Methylphenol	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
3,3'-Dichlorobenzidine	mg/Kg	0.659 U	0.660 U	0.659 U	0.658 U	0.658 U	0.658 U	0.658 U	0.658 U	0.660 U
3-Nitroaniline	mg/Kg	1.70 U	1.70 U	1.70 U	1.69 U	1.70 U	1.69 U	1.69 U	1.70 U	1.70 U
4,6-Dinitro-2-methylphenol	mg/Kg	1.70 U	1.70 U	1.70 U	1.69 U	1.70 U	1.69 U	1.69 U	1.70 U	1.70 U
4-Bromophenyl phenyl ether	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
4-Chloro-3-methylphenol	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
4-Chloroaniline	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
4-Chlorophenyl phenyl ether	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
4-Nitroaniline	mg/Kg	0.659 U	0.660 U	0.659 U	0.658 U	0.658 U	0.658 U	0.658 U	0.658 U	0.660 U
4-Nitrophenol	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	R
Acenaphthene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Acenaphthylene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Anthracene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Benzo (a) anthracene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Benzo(a)pyrene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Benzo(b)fluoranthene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Benzo(g,h,i)perylene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Benzo(k)fluoranthene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Benzoic acid	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U

Table 2-2
Analytical Data Summary - Semivolatile Organics in Soil
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0902004-001 DETWMW-1 12-14 01/27/09	0902004-002 DETWMW-1 20-22 01/27/09	0902004-003 DETWMW-1 34-36 01/27/09	0902004-004 DETWSB-1 12-14 01/29/09	0902004-005 DETWSB-1 20-22 01/29/09	0902004-006 DETWSB-1 8-10 01/29/09	0902004-007 DETWSB-2 10-12 01/29/09	0902004-008 DETWSB-2 12-14 01/29/09	0902004-009 DETWSB-2 20-22 01/29/09
Benzyl alcohol	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Bis(2-chloroethoxy)methane	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Bis(2-chloroethyl) ether	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Bis(2-chloroisopropyl) ether	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Bis(2-ethylhexyl) phthalate	a	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Butyl benzyl phthalate	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Chrysene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Dibenz(a,h)anthracene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Dibenzofuran	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Diethyl phthalate	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Dimethyl phthalate	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Di-n-butyl phthalate	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Di-n-octyl phthalate	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Fluoranthene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Fluorene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Hexachlorobenzene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Hexachlorobutadiene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Hexachlorocyclopentadiene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Hexachloroethane	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Indeno(1,2,3-cd)pyrene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Isophorone	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Naphthalene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Nitrobenzene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
N-Nitrosodi-n-propylamine	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
N-Nitrosodiphenylamine	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Pentachlorophenol	mg/Kg	1.70 U	1.70 U	1.70 U	1.69 U	1.70 U	1.69 U	1.69 U	1.70 U	R
Phenanthrene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Phenol	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Pyrene	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U
Pyridine	mg/Kg	0.329 U	0.330 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.329 U	0.330 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

R = The sample result was rejected due to serious deficiencies in the ability to meet holding time criteria and/or quality control criteria. The presence or absence of the analyte could not be verified. The result is not usable.

Bold = Positive detection.

Table 2-2
Analytical Data Summary - Semivolatile Organics in Soil
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0902170-001 DETWMW-2 12-14 01/30/09	0902170-002 DETWMW-2 22-24 01/30/09	0902170-003 DETWMW-3 12-14 02/03/09	0902170-004 DETWMW-3 40-42 02/03/09	0902170-005 DETWSB-3 17-18 02/04/09	0902170-006 DETWSB-3 42-44 02/04/09	0902170-007 DETWMW-4 10-12 02/05/09	0902170-008 DETWMW-4 18-20 02/05/09	0902309-001 DETWSB-4 18-20 02/06/09
1,2,4-Trichlorobenzene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
1,2-Dichlorobenzene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
1,3-Dichlorobenzene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
1,4-Dichlorobenzene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
2,4,5-Trichlorophenol	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
2,4,6-Trichlorophenol	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
2,4-Dichlorophenol	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
2,4-Dimethylphenol	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
2,4-Dinitrophenol	mg/Kg	1.70 U	1.70 U	1.69 U	1.70 U	1.70 U	1.69 U	1.70 U	1.70 U	1.70 U
2,4-Dinitrotoluene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
2,6-Dinitrotoluene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
2-Chloronaphthalene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
2-Chlorophenol	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
2-Methylnaphthalene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
2-Methylphenol	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
2-Nitroaniline	mg/Kg	1.70 U	1.70 U	1.69 U	1.70 U	1.70 U	1.69 U	1.70 U	1.70 U	1.70 U
2-Nitrophenol	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
3&4 Methylphenol	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
3,3'-Dichlorobenzidine	mg/Kg	0.659 U	0.659 U	0.658 U	0.659 U	0.660 U	0.657 U	0.660 U	0.658 U	0.660 U
3-Nitroaniline	mg/Kg	1.70 U	1.70 U	1.69 U	1.70 U	1.70 U	1.69 U	1.70 U	1.70 U	1.70 U
4,6-Dinitro-2-methylphenol	mg/Kg	1.70 U	1.70 U	1.69 U	1.70 U	1.70 U	1.69 U	1.70 U	1.70 U	1.70 U
4-Bromophenyl phenyl ether	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
4-Chloro-3-methylphenol	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
4-Chloroaniline	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
4-Chlorophenyl phenyl ether	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
4-Nitroaniline	mg/Kg	0.659 U	0.659 U	0.658 U	0.659 U	0.660 U	0.657 U	0.660 U	0.658 U	0.660 U
4-Nitrophenol	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Acenaphthene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Acenaphthylene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Anthracene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Benzo (a) anthracene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Benzo(a)pyrene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Benzo(b)fluoranthene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Benzo(g,h,i)perylene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Benzo(k)fluoranthene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Benzoic acid	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U

Table 2-2
Analytical Data Summary - Semivolatile Organics in Soil
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0902170-001 DETWMW-2 12-14 01/30/09	0902170-002 DETWMW-2 22-24 01/30/09	0902170-003 DETWMW-3 12-14 02/03/09	0902170-004 DETWMW-3 40-42 02/03/09	0902170-005 DETWSB-3 17-18 02/04/09	0902170-006 DETWSB-3 42-44 02/04/09	0902170-007 DETWMW-4 10-12 02/05/09	0902170-008 DETWMW-4 18-20 02/05/09	0902309-001 DETWSB-4 18-20 02/06/09
Benzyl alcohol	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Bis(2-chloroethoxy)methane	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Bis(2-chloroethyl) ether	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Bis(2-chloroisopropyl) ether	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Bis(2-ethylhexyl) phthalate	a	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Butyl benzyl phthalate	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Chrysene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Dibenz(a,h)anthracene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Dibenzofuran	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Diethyl phthalate	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Dimethyl phthalate	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Di-n-butyl phthalate	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Di-n-octyl phthalate	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Fluoranthene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Fluorene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Hexachlorobenzene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Hexachlorobutadiene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Hexachlorocyclopentadiene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Hexachloroethane	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Indeno(1,2,3-cd)pyrene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Isophorone	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Naphthalene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Nitrobenzene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
N-Nitrosodi-n-propylamine	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
N-Nitrosodiphenylamine	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Pentachlorophenol	mg/Kg	1.70 U	1.70 U	1.69 U	1.70 U	1.70 U	1.69 U	1.70 U	1.70 U	1.70 U
Phenanthrene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Phenol	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Pyrene	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U
Pyridine	mg/Kg	0.330 U	0.330 U	0.329 U	0.330 U	0.330 U	0.329 U	0.330 U	0.329 U	0.330 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

R = The sample result was rejected due to serious deficiencies in the ability to meet holding time criteria and/or quality control criteria. The presence or absence of the analyte could not be verified. The result is not usable.

Bold = Positive detection.

Table 2-2
Analytical Data Summary - Semivolatile Organics in Soil
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0902309-002 DETWSB-4 20-22 02/06/09	0902309-003 DETWSB-5 10-12 02/06/09	0902309-004 DETWSB-5 18-20 02/06/09
1,2,4-Trichlorobenzene	mg/Kg	0.330 U	0.330 U	0.330 U
1,2-Dichlorobenzene	mg/Kg	0.330 U	**0.455**	0.330 U
1,3-Dichlorobenzene	mg/Kg	0.330 U	0.330 U	0.330 U
1,4-Dichlorobenzene	mg/Kg	0.330 U	0.330 U	0.330 U
2,4,5-Trichlorophenol	mg/Kg	0.330 U	0.330 U	0.330 U
2,4,6-Trichlorophenol	mg/Kg	0.330 U	0.330 U	0.330 U
2,4-Dichlorophenol	mg/Kg	0.330 U	0.330 U	0.330 U
2,4-Dimethylphenol	mg/Kg	0.330 U	0.330 U	0.330 U
2,4-Dinitrophenol	mg/Kg	1.70 U	1.70 U	1.70 U
2,4-Dinitrotoluene	mg/Kg	0.330 U	0.330 U	0.330 U
2,6-Dinitrotoluene	mg/Kg	0.330 U	0.330 U	0.330 U
2-Chloronaphthalene	mg/Kg	0.330 U	0.330 U	0.330 U
2-Chlorophenol	mg/Kg	0.330 U	0.330 U	0.330 U
2-Methylnaphthalene	mg/Kg	0.330 U	0.330 U	0.330 U
2-Methylphenol	mg/Kg	0.330 U	0.330 U	0.330 U
2-Nitroaniline	mg/Kg	1.70 U	1.70 U	1.70 U
2-Nitrophenol	mg/Kg	0.330 U	0.330 U	0.330 U
3&4 Methylphenol	mg/Kg	0.330 U	0.330 U	0.330 U
3,3'-Dichlorobenzidine	mg/Kg	0.659 U	0.659 U	0.660 U
3-Nitroaniline	mg/Kg	1.70 U	1.70 U	1.70 U
4,6-Dinitro-2-methylphenol	mg/Kg	1.70 U	1.70 U	1.70 U
4-Bromophenyl phenyl ether	mg/Kg	0.330 U	0.330 U	0.330 U
4-Chloro-3-methylphenol	mg/Kg	0.330 U	0.330 U	0.330 U
4-Chloroaniline	mg/Kg	0.330 U	0.330 U	0.330 U
4-Chlorophenyl phenyl ether	mg/Kg	0.330 U	0.330 U	0.330 U
4-Nitroaniline	mg/Kg	0.659 U	0.659 U	0.660 U
4-Nitrophenol	mg/Kg	0.330 U	0.330 U	0.330 U
Acenaphthene	mg/Kg	0.330 U	0.330 U	0.330 U
Acenaphthylene	mg/Kg	0.330 U	0.330 U	0.330 U
Anthracene	mg/Kg	0.330 U	0.330 U	0.330 U
Benzo (a) anthracene	mg/Kg	0.330 U	0.330 U	0.330 U
Benzo(a)pyrene	mg/Kg	0.330 U	0.330 U	0.330 U
Benzo(b)fluoranthene	mg/Kg	0.330 U	0.330 U	0.330 U
Benzo(g,h,i)perylene	mg/Kg	0.330 U	0.330 U	0.330 U
Benzo(k)fluoranthene	mg/Kg	0.330 U	0.330 U	0.330 U
Benzoic acid	mg/Kg	0.330 U	0.330 U	0.330 U

Table 2-2
Analytical Data Summary - Semivolatile Organics in Soil
Detrex Corporation
Ashtabula, Ohio

Analyte	Units	0902309-002 DETWSB-4 20-22 02/06/09	0902309-003 DETWSB-5 10-12 02/06/09	0902309-004 DETWSB-5 18-20 02/06/09
Benzyl alcohol	mg/Kg	0.330 U	0.330 U	0.330 U
Bis(2-chloroethoxy)methane	mg/Kg	0.330 U	0.330 U	0.330 U
Bis(2-chloroethyl) ether	mg/Kg	0.330 U	0.330 U	0.330 U
Bis(2-chloroisopropyl) ether	mg/Kg	0.330 U	0.330 U	0.330 U
Bis(2-ethylhexyl) phthalate	a	0.330 U	0.330 U	0.330 U
Butyl benzyl phthalate	mg/Kg	0.330 U	0.330 U	0.330 U
Chrysene	mg/Kg	0.330 U	0.330 U	0.330 U
Dibenz(a,h)anthracene	mg/Kg	0.330 U	0.330 U	0.330 U
Dibenzofuran	mg/Kg	0.330 U	0.330 U	0.330 U
Diethyl phthalate	mg/Kg	0.330 U	0.330 U	0.330 U
Dimethyl phthalate	mg/Kg	0.330 U	0.330 U	0.330 U
Di-n-butyl phthalate	mg/Kg	0.330 U	0.330 U	0.330 U
Di-n-octyl phthalate	mg/Kg	0.330 U	0.330 U	0.330 U
Fluoranthene	mg/Kg	0.330 U	0.330 U	0.330 U
Fluorene	mg/Kg	0.330 U	0.330 U	0.330 U
Hexachlorobenzene	mg/Kg	0.330 U	**1.11**	0.330 U
Hexachlorobutadiene	mg/Kg	0.330 U	**2.96**	0.330 U
Hexachlorocyclopentadiene	mg/Kg	0.330 U	0.330 U	0.330 U
Hexachloroethane	mg/Kg	0.330 U	**9.0**	0.330 U
Indeno(1,2,3-cd)pyrene	mg/Kg	0.330 U	0.330 U	0.330 U
Isophorone	mg/Kg	0.330 U	0.330 U	0.330 U
Naphthalene	mg/Kg	0.330 U	0.330 U	0.330 U
Nitrobenzene	mg/Kg	0.330 U	0.330 U	0.330 U
N-Nitrosodi-n-propylamine	mg/Kg	0.330 U	0.330 U	0.330 U
N-Nitrosodiphenylamine	mg/Kg	0.330 U	0.330 U	0.330 U
Pentachlorophenol	mg/Kg	1.70 U	1.70 U	1.70 U
Phenanthrene	mg/Kg	0.330 U	0.330 U	0.330 U
Phenol	mg/Kg	0.330 U	0.330 U	0.330 U
Pyrene	mg/Kg	0.330 U	0.330 U	0.330 U
Pyridine	mg/Kg	0.330 U	0.330 U	0.330 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

UJ = The analyte was not detected at or above the sample reporting limit. However, the reporting limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

J = Estimated concentration because the result was below the sample reporting limit or quality control criteria were not met.

R = The sample result was rejected due to serious deficiencies in the ability to meet holding time criteria and/or quality control criteria. The presence or absence of the analyte could not be verified. The result is not usable.

Bold = Positive detection.

Table 2-3
Analytical Data Summary - Volatile Organics in Water
Detrex Corporation
Ashtabula, Ohio

		0902313-001 DETWMW-1S 02/11/09	0902313-002 DETWMW-2D 02/11/09	0902313-003 DETWMW-2S 02/11/09	0902313-004 DETWMW-2S Dup 02/11/09	0902313-005 DETWMW-3D 02/11/09	0902313-006 DETWMW-3S 02/11/09	0902313-007 DETWMW-4D 02/11/09	0902313-008 DETWMW-4S 02/11/09
1,1,1-Trichloroethane	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1,2,2-Tetrachloroethane	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1,2-Trichloroethane	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1-Dichloroethane	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1-Dichloroethene	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,2-Dichloroethane	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,2-Dichloropropane	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2-Hexanone	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone	µg/L	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Acetone	µg/L	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Benzene	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Bromodichloromethane	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Bromoform	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Bromomethane	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Carbon disulfide	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Carbon tetrachloride	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Chlorobenzene	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Chloroethane	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chloroform	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Chloromethane	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
cis-1,2-Dichloroethene	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
cis-1,3-Dichloropropene	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Dibromochloromethane	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Ethylbenzene	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
m,p-Xylene	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Methyl ethyl ketone	µg/L	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Methylene chloride	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
o-Xylene	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Styrene	µg/L	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Tetrachloroethene	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Toluene	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
trans-1,2-Dichloroethene	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
trans-1,3-Dichloropropene	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Trichloroethene	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Vinyl acetate	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Vinyl chloride	µg/L	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U

Note: U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

Table 2-4
Analytical Data Summary - Semivolatile Organics in Water
Detrex Corporation
Ashtabula, Ohio

		0902313-001 DETWMW-1S 02/11/09	0902313-002 DETWMW-2D 02/11/09	0902313-003 DETWMW-2S 02/11/09	0902313-004 DETWMW-2S Dup 02/11/09	0902313-005 DETWMW-3D 02/11/09	0902313-006 DETWMW-3S 02/11/09	0902313-007 DETWMW-4D 02/11/09	0902313-008 DETWMW-4S 02/11/09
1,2,4-Trichlorobenzene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
1,2-Dichlorobenzene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
1,3-Dichlorobenzene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
1,4-Dichlorobenzene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
2,4,5-Trichlorophenol	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
2,4,6-Trichlorophenol	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
2,4-Dichlorophenol	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
2,4-Dimethylphenol	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
2,4-Dinitrophenol	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
2,4-Dinitrotoluene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
2,6-Dinitrotoluene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
2-Chloronaphthalene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
2-Chlorophenol	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
2-Methylnaphthalene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
2-Methylphenol	µg/L	22.5 U	21.7 U	22.5 U	22.0 U	22.0 U	20.0 U	20.0 U	22.5 U
2-Nitroaniline	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
2-Nitrophenol	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
3&4 Methylphenol	µg/L	22.5 U	21.7 U	22.5 U	22.0 U	22.0 U	20.0 U	20.0 U	22.5 U
3,3'-Dichlorobenzidine	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
3-Nitroaniline	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
4,6-Dinitro-2-methylphenol	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
4-Bromophenyl phenyl ether	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
4-Chloro-3-methylphenol	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
4-Chloroaniline	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
4-Chlorophenyl phenyl ether	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
4-Nitroaniline	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
4-Nitrophenol	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Acenaphthene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Acenaphthylene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Anthracene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Benz(a)anthracene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Benzo(a)pyrene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Benzo(b)fluoranthene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Benzo(g,h,i)perylene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Benzo(k)fluoranthene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Benzoic acid	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Benzyl alcohol	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U

Table 2-4
Analytical Data Summary - Semivolatile Organics in Water
Detrex Corporation
Ashtabula, Ohio

		0902313-001 DETWMW-1S 02/11/09	0902313-002 DETWMW-2D 02/11/09	0902313-003 DETWMW-2S 02/11/09	0902313-004 DETWMW-2S Dup 02/11/09	0902313-005 DETWMW-3D 02/11/09	0902313-006 DETWMW-3S 02/11/09	0902313-007 DETWMW-4D 02/11/09	0902313-008 DETWMW-4S 02/11/09
Bis(2-chloroethoxy)methane	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Bis(2-chloroethyl) ether	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Bis(2-chloroisopropyl) ether	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Bis(2-ethylhexyl) phthalate	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Butyl benzyl phthalate	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Chrysene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Dibenz(a,h)anthracene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Dibenzofuran	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Diethyl phthalate	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Dimethyl phthalate	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Di-n-butyl phthalate	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Di-n-octyl phthalate	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Fluoranthene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Fluorene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Hexachlorobenzene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Hexachlorobutadiene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Hexachlorocyclopentadiene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Hexachloroethane	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Indeno(1,2,3-cd)pyrene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Isophorone	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Naphthalene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Nitrobenzene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
N-Nitrosodi-n-propylamine	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
N-Nitrosodiphenylamine	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Pentachlorophenol	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Phenanthrene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Phenol	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Pyrene	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U
Pyridine	µg/L	11.2 U	10.9 U	11.2 U	11.0 U	11.0 U	10.0 U	10.0 U	11.2 U

aaa The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

Appendix D

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

February 18, 2009

Martin Schmidt
URS Corp.
1375 Euclid Avenue
Cleveland, OH 44115

TEL: (216) 622-2400
FAX: (216) 622-2464

RE: Detrex West

Order No.: 0902004

Dear Martin Schmidt:

Precision Analytical, Inc. received 9 sample(s) on 1/30/2009 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in an attached Case Narrative. Quality control data is within laboratory defined or method specified acceptance limits except if noted.

Solid samples are reported in ug/Kg or mg/Kg as received, unless specified in the units as dry weight. Unless otherwise noted, results have not been background or blank corrected.

If you have any questions regarding these tests results, please feel free to call.

Certifications: Ohio EPA - 4041; NELAC NY - 11167; NELAC PA - 68-00434;
NELAC IL - 001922; W.Va DEP - 245; KY UST - 69

Sincerely,

Scott Bolam

Scott Bolam
QA/QC Manager

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Case Narrative

WO#: **0902004**
Date: **2/18/2009**

CLIENT: URS Corp.
Project: Detrex West

Sample 0902004-009 for Semi-Volatiles (Method 8270):

Low MS/MSD recovery for 4-nitrophenol and pentachlorophenol due to sample matrix.

PRECISION ANALYTICAL, INC.

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Cleveland, OH 44128
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FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/27/2009 4:00:00 PM

Project: Detrex West

Lab ID: 0902004-001

Matrix: SOLID

Client Sample ID DETWMW-1:12-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
1,2-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
1,3-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
1,4-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
2,4,5-Trichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
2,4,6-Trichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
2,4-Dichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
2,4-Dimethylphenol	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
2,4-Dinitrophenol	ND	1.70		mg/Kg	1	2/5/2009 1:09:00 PM
2,4-Dinitrotoluene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
2,6-Dinitrotoluene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
2-Chloronaphthalene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
2-Chlorophenol	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
2-Methylnaphthalene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
2-Methylphenol	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
2-Nitroaniline	ND	1.70		mg/Kg	1	2/5/2009 1:09:00 PM
2-Nitrophenol	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
3&4 Methylphenol	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
3,3´-Dichlorobenzidine	ND	0.659		mg/Kg	1	2/5/2009 1:09:00 PM
3-Nitroaniline	ND	1.70		mg/Kg	1	2/5/2009 1:09:00 PM
4,6-Dinitro-2-methylphenol	ND	1.70		mg/Kg	1	2/5/2009 1:09:00 PM
4-Bromophenyl phenyl ether	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
4-Chloro-3-methylphenol	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
4-Chloroaniline	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
4-Chlorophenyl phenyl ether	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
4-Nitroaniline	ND	0.659		mg/Kg	1	2/5/2009 1:09:00 PM
4-Nitrophenol	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Acenaphthene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Acenaphthylene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Anthracene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Benzo (a) anthracene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Benzo(a)pyrene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Benzo(b)fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Benzo(g,h,i)perylene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: 0902004

Date Reported: 2/18/2009

CLIENT: URS Corp.

Project: Detrex West

Lab ID: 0902004-001

Client Sample ID DETWMW-1:12-14

Collection Date: 1/27/2009 4:00:00 PM

Matrix: SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Benzoic acid	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Benzyl alcohol	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Bis(2-chloroethoxy)methane	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Bis(2-chloroethyl) ether	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Bis(2-chloroisopropyl) ether	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Butyl benzyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Chrysene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Dibenz(a,h)anthracene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Dibenzofuran	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Diethyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Dimethyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Di-n-butyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Di-n-octyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Fluorene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Hexachlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Hexachlorobutadiene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Hexachlorocyclopentadiene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Hexachloroethane	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Isophorone	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Naphthalene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Nitrobenzene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
N-Nitrosodi-n-propylamine	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
N-Nitrosodiphenylamine	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Pentachlorophenol	ND	1.70		mg/Kg	1	2/5/2009 1:09:00 PM
Phenanthrene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Phenol	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Pyrene	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Pyridine	ND	0.329		mg/Kg	1	2/5/2009 1:09:00 PM
Surr: 2,4,6-Tribromophenol	41.4	19-122		%REC	1	2/5/2009 1:09:00 PM
Surr: 2-Fluorobiphenyl	84.8	30-115		%REC	1	2/5/2009 1:09:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 0902004

Date Reported: 2/18/2009

CLIENT: URS Corp.

Project: Detrex West

Lab ID: 0902004-001

Client Sample ID DETWMW-1:12-14

Collection Date: 1/27/2009 4:00:00 PM

Matrix: SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	40.6	25-121		%REC	1	2/5/2009 1:09:00 PM
Surr: Nitrobenzene-d5	56.2	23-120		%REC	1	2/5/2009 1:09:00 PM
Surr: Phenol-d6	50.6	24-113		%REC	1	2/5/2009 1:09:00 PM
Surr: Terphenyl-d14	92.6	18-137		%REC	1	2/5/2009 1:09:00 PM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
2-Hexanone	ND	100		µg/Kg	1	2/5/2009 12:20:00 PM
4-Methyl-2-pentanone	ND	20		µg/Kg	1	2/5/2009 12:20:00 PM
Acetone	ND	100		µg/Kg	1	2/5/2009 12:20:00 PM
Benzene	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
Bromoform	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
Bromomethane	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
Carbon disulfide	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
Chlorobenzene	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
Chloroethane	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
Chloroform	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
Chloromethane	ND	10		µg/Kg	1	2/5/2009 12:20:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
Ethylbenzene	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
m,p-Xylene	ND	10		µg/Kg	1	2/5/2009 12:20:00 PM
Methyl ethyl ketone	ND	20		µg/Kg	1	2/5/2009 12:20:00 PM
Methylene chloride	ND	20		µg/Kg	1	2/5/2009 12:20:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/27/2009 4:00:00 PM

Project: Detrex West

Lab ID: 0902004-001

Matrix: SOLID

Client Sample ID DETWMW-1:12-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
Styrene	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
Toluene	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
Trichloroethene	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
Vinyl acetate	ND	10		µg/Kg	1	2/5/2009 12:20:00 PM
Vinyl chloride	ND	5.0		µg/Kg	1	2/5/2009 12:20:00 PM
Surr: 4-Bromofluorobenzene	85.5	64-115		%REC	1	2/5/2009 12:20:00 PM
Surr: Dibromofluoromethane	103	84-142		%REC	1	2/5/2009 12:20:00 PM
Surr: Toluene-d8	96.3	75-117		%REC	1	2/5/2009 12:20:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/27/2009 4:20:00 PM

Project: Detrex West

Lab ID: 0902004-002

Matrix: SOLID

Client Sample ID DETWMW-1:20-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
1,2,4-Trichlorobenzene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
1,2-Dichlorobenzene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
1,3-Dichlorobenzene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
1,4-Dichlorobenzene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
2,4,5-Trichlorophenol	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
2,4,6-Trichlorophenol	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
2,4-Dichlorophenol	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
2,4-Dimethylphenol	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
2,4-Dinitrophenol	ND	1.70		mg/Kg	1	2/5/2009 1:52:00 PM
2,4-Dinitrotoluene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
2,6-Dinitrotoluene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
2-Chloronaphthalene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
2-Chlorophenol	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
2-Methylnaphthalene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
2-Methylphenol	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
2-Nitroaniline	ND	1.70		mg/Kg	1	2/5/2009 1:52:00 PM
2-Nitrophenol	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
3&4 Methylphenol	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
3,3'-Dichlorobenzidine	ND	0.660		mg/Kg	1	2/5/2009 1:52:00 PM
3-Nitroaniline	ND	1.70		mg/Kg	1	2/5/2009 1:52:00 PM
4,6-Dinitro-2-methylphenol	ND	1.70		mg/Kg	1	2/5/2009 1:52:00 PM
4-Bromophenyl phenyl ether	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
4-Chloro-3-methylphenol	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
4-Chloroaniline	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
4-Chlorophenyl phenyl ether	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
4-Nitroaniline	ND	0.660		mg/Kg	1	2/5/2009 1:52:00 PM
4-Nitrophenol	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Acenaphthene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Acenaphthylene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Anthracene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Benzo (a) anthracene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Benzo(a)pyrene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Benzo(b)fluoranthene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Benzo(g,h,i)perylene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/27/2009 4:20:00 PM

Project: Detrex West

Lab ID: 0902004-002

Matrix: SOLID

Client Sample ID DETWMW-1:20-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Benzoic acid	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Benzyl alcohol	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Bis(2-chloroethoxy)methane	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Bis(2-chloroethyl) ether	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Bis(2-chloroisopropyl) ether	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Butyl benzyl phthalate	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Chrysene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Dibenz(a,h)anthracene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Dibenzofuran	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Diethyl phthalate	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Dimethyl phthalate	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Di-n-butyl phthalate	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Di-n-octyl phthalate	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Fluoranthene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Fluorene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Hexachlorobenzene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Hexachlorobutadiene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Hexachlorocyclopentadiene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Hexachloroethane	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Isophorone	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Naphthalene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Nitrobenzene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
N-Nitrosodi-n-propylamine	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
N-Nitrosodiphenylamine	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Pentachlorophenol	ND	1.70		mg/Kg	1	2/5/2009 1:52:00 PM
Phenanthrene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Phenol	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Pyrene	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Pyridine	ND	0.330		mg/Kg	1	2/5/2009 1:52:00 PM
Surr: 2,4,6-Tribromophenol	25.5	19-122		%REC	1	2/5/2009 1:52:00 PM
Surr: 2-Fluorobiphenyl	56.2	30-115		%REC	1	2/5/2009 1:52:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/27/2009 4:20:00 PM

Project: Detrex West

Lab ID: 0902004-002

Matrix: SOLID

Client Sample ID DETWMW-1:20-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	29.6	25-121		%REC	1	2/5/2009 1:52:00 PM
Surr: Nitrobenzene-d5	35.9	23-120		%REC	1	2/5/2009 1:52:00 PM
Surr: Phenol-d6	34.4	24-113		%REC	1	2/5/2009 1:52:00 PM
Surr: Terphenyl-d14	53.3	18-137		%REC	1	2/5/2009 1:52:00 PM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
2-Hexanone	ND	100		µg/Kg	1	2/5/2009 12:44:00 PM
4-Methyl-2-pentanone	ND	20		µg/Kg	1	2/5/2009 12:44:00 PM
Acetone	ND	100		µg/Kg	1	2/5/2009 12:44:00 PM
Benzene	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
Bromoform	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
Bromomethane	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
Carbon disulfide	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
Chlorobenzene	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
Chloroethane	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
Chloroform	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
Chloromethane	ND	10		µg/Kg	1	2/5/2009 12:44:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
Ethylbenzene	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
m,p-Xylene	ND	10		µg/Kg	1	2/5/2009 12:44:00 PM
Methyl ethyl ketone	ND	20		µg/Kg	1	2/5/2009 12:44:00 PM
Methylene chloride	ND	20		µg/Kg	1	2/5/2009 12:44:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/27/2009 4:20:00 PM

Project: Detrex West

Lab ID: 0902004-002

Matrix: SOLID

Client Sample ID DETWMW-1:20-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
Styrene	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
Toluene	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
Trichloroethene	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
Vinyl acetate	ND	10		µg/Kg	1	2/5/2009 12:44:00 PM
Vinyl chloride	ND	5.0		µg/Kg	1	2/5/2009 12:44:00 PM
Surr: 4-Bromofluorobenzene	86.7	64-115		%REC	1	2/5/2009 12:44:00 PM
Surr: Dibromofluoromethane	103	84-142		%REC	1	2/5/2009 12:44:00 PM
Surr: Toluene-d8	98.1	75-117		%REC	1	2/5/2009 12:44:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 0902004

Date Reported: 2/18/2009

CLIENT: URS Corp.

Collection Date: 1/27/2009 5:20:00 PM

Project: Detrex West

Lab ID: 0902004-003

Matrix: SOLID

Client Sample ID DETWMW-1:34-36

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
1,2-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
1,3-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
1,4-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
2,4,5-Trichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
2,4,6-Trichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
2,4-Dichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
2,4-Dimethylphenol	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
2,4-Dinitrophenol	ND	1.70		mg/Kg	1	2/5/2009 2:35:00 PM
2,4-Dinitrotoluene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
2,6-Dinitrotoluene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
2-Chloronaphthalene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
2-Chlorophenol	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
2-Methylnaphthalene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
2-Methylphenol	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
2-Nitroaniline	ND	1.70		mg/Kg	1	2/5/2009 2:35:00 PM
2-Nitrophenol	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
3&4 Methylphenol	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
3,3'-Dichlorobenzidine	ND	0.659		mg/Kg	1	2/5/2009 2:35:00 PM
3-Nitroaniline	ND	1.70		mg/Kg	1	2/5/2009 2:35:00 PM
4,6-Dinitro-2-methylphenol	ND	1.70		mg/Kg	1	2/5/2009 2:35:00 PM
4-Bromophenyl phenyl ether	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
4-Chloro-3-methylphenol	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
4-Chloroaniline	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
4-Chlorophenyl phenyl ether	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
4-Nitroaniline	ND	0.659		mg/Kg	1	2/5/2009 2:35:00 PM
4-Nitrophenol	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Acenaphthene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Acenaphthylene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Anthracene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Benzo (a) anthracene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Benzo(a)pyrene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Benzo(b)fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Benzo(g,h,i)perylene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/27/2009 5:20:00 PM

Project: Detrex West

Lab ID: 0902004-003

Matrix: SOLID

Client Sample ID DETWMW-1:34-36

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Benzoic acid	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Benzyl alcohol	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Bis(2-chloroethoxy)methane	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Bis(2-chloroethyl) ether	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Bis(2-chloroisopropyl) ether	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Butyl benzyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Chrysene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Dibenz(a,h)anthracene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Dibenzofuran	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Diethyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Dimethyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Di-n-butyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Di-n-octyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Fluorene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Hexachlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Hexachlorobutadiene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Hexachlorocyclopentadiene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Hexachloroethane	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Isophorone	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Naphthalene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Nitrobenzene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
N-Nitrosodi-n-propylamine	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
N-Nitrosodiphenylamine	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Pentachlorophenol	ND	1.70		mg/Kg	1	2/5/2009 2:35:00 PM
Phenanthrene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Phenol	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Pyrene	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Pyridine	ND	0.329		mg/Kg	1	2/5/2009 2:35:00 PM
Surr: 2,4,6-Tribromophenol	33.5	19-122		%REC	1	2/5/2009 2:35:00 PM
Surr: 2-Fluorobiphenyl	77.1	30-115		%REC	1	2/5/2009 2:35:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/27/2009 5:20:00 PM

Project: Detrex West

Lab ID: 0902004-003

Matrix: SOLID

Client Sample ID DETWMW-1:34-36

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	38.7	25-121		%REC	1	2/5/2009 2:35:00 PM
Surr: Nitrobenzene-d5	39.0	23-120		%REC	1	2/5/2009 2:35:00 PM
Surr: Phenol-d6	45.6	24-113		%REC	1	2/5/2009 2:35:00 PM
Surr: Terphenyl-d14	77.6	18-137		%REC	1	2/5/2009 2:35:00 PM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
2-Hexanone	ND	100		µg/Kg	1	2/5/2009 1:09:00 PM
4-Methyl-2-pentanone	ND	20		µg/Kg	1	2/5/2009 1:09:00 PM
Acetone	ND	100		µg/Kg	1	2/5/2009 1:09:00 PM
Benzene	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
Bromoform	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
Bromomethane	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
Carbon disulfide	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
Chlorobenzene	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
Chloroethane	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
Chloroform	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
Chloromethane	ND	10		µg/Kg	1	2/5/2009 1:09:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
Ethylbenzene	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
m,p-Xylene	ND	10		µg/Kg	1	2/5/2009 1:09:00 PM
Methyl ethyl ketone	ND	20		µg/Kg	1	2/5/2009 1:09:00 PM
Methylene chloride	ND	20		µg/Kg	1	2/5/2009 1:09:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: 0902004

Date Reported: 2/18/2009

CLIENT: URS Corp.

Collection Date: 1/27/2009 5:20:00 PM

Project: Detrex West

Lab ID: 0902004-003

Matrix: SOLID

Client Sample ID DETWMW-1:34-36

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
Styrene	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
Toluene	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
Trichloroethene	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
Vinyl acetate	ND	10		µg/Kg	1	2/5/2009 1:09:00 PM
Vinyl chloride	ND	5.0		µg/Kg	1	2/5/2009 1:09:00 PM
Surr: 4-Bromofluorobenzene	84.9	64-115		%REC	1	2/5/2009 1:09:00 PM
Surr: Dibromofluoromethane	105	84-142		%REC	1	2/5/2009 1:09:00 PM
Surr: Toluene-d8	96.0	75-117		%REC	1	2/5/2009 1:09:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: 0902004

Date Reported: 2/18/2009

CLIENT: URS Corp.

Collection Date: 1/29/2009 4:14:00 PM

Project: Detrex West

Lab ID: 0902004-004

Matrix: SOLID

Client Sample ID DETWSB-1:12-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
1,2-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
1,3-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
1,4-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
2,4,5-Trichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
2,4,6-Trichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
2,4-Dichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
2,4-Dimethylphenol	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
2,4-Dinitrophenol	ND	1.69		mg/Kg	1	2/5/2009 5:48:00 PM
2,4-Dinitrotoluene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
2,6-Dinitrotoluene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
2-Chloronaphthalene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
2-Chlorophenol	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
2-Methylnaphthalene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
2-Methylphenol	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
2-Nitroaniline	ND	1.69		mg/Kg	1	2/5/2009 5:48:00 PM
2-Nitrophenol	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
3&4 Methylphenol	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
3,3'-Dichlorobenzidine	ND	0.658		mg/Kg	1	2/5/2009 5:48:00 PM
3-Nitroaniline	ND	1.69		mg/Kg	1	2/5/2009 5:48:00 PM
4,6-Dinitro-2-methylphenol	ND	1.69		mg/Kg	1	2/5/2009 5:48:00 PM
4-Bromophenyl phenyl ether	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
4-Chloro-3-methylphenol	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
4-Chloroaniline	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
4-Chlorophenyl phenyl ether	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
4-Nitroaniline	ND	0.658		mg/Kg	1	2/5/2009 5:48:00 PM
4-Nitrophenol	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Acenaphthene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Acenaphthylene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Anthracene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Benzo (a) anthracene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Benzo(a)pyrene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Benzo(b)fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Benzo(g,h,i)perylene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: 0902004

Date Reported: 2/18/2009

CLIENT: URS Corp.

Collection Date: 1/29/2009 4:14:00 PM

Project: Detrex West

Lab ID: 0902004-004

Matrix: SOLID

Client Sample ID DETWSB-1:12-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Benzoic acid	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Benzyl alcohol	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Bis(2-chloroethoxy)methane	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Bis(2-chloroethyl) ether	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Bis(2-chloroisopropyl) ether	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Butyl benzyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Chrysene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Dibenz(a,h)anthracene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Dibenzofuran	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Diethyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Dimethyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Di-n-butyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Di-n-octyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Fluorene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Hexachlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Hexachlorobutadiene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Hexachlorocyclopentadiene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Hexachloroethane	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Isophorone	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Naphthalene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Nitrobenzene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
N-Nitrosodi-n-propylamine	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
N-Nitrosodiphenylamine	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Pentachlorophenol	ND	1.69		mg/Kg	1	2/5/2009 5:48:00 PM
Phenanthrene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Phenol	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Pyrene	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Pyridine	ND	0.329		mg/Kg	1	2/5/2009 5:48:00 PM
Surr: 2,4,6-Tribromophenol	42.5	19-122		%REC	1	2/5/2009 5:48:00 PM
Surr: 2-Fluorobiphenyl	72.5	30-115		%REC	1	2/5/2009 5:48:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: 0902004

Date Reported: 2/18/2009

CLIENT: URS Corp.

Collection Date: 1/29/2009 4:14:00 PM

Project: Detrex West

Lab ID: 0902004-004

Matrix: SOLID

Client Sample ID DETWSB-1:12-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	40.4	25-121		%REC	1	2/5/2009 5:48:00 PM
Surr: Nitrobenzene-d5	53.4	23-120		%REC	1	2/5/2009 5:48:00 PM
Surr: Phenol-d6	47.1	24-113		%REC	1	2/5/2009 5:48:00 PM
Surr: Terphenyl-d14	72.0	18-137		%REC	1	2/5/2009 5:48:00 PM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
2-Hexanone	ND	100		µg/Kg	1	2/5/2009 1:34:00 PM
4-Methyl-2-pentanone	ND	20		µg/Kg	1	2/5/2009 1:34:00 PM
Acetone	ND	100		µg/Kg	1	2/5/2009 1:34:00 PM
Benzene	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
Bromoform	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
Bromomethane	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
Carbon disulfide	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
Chlorobenzene	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
Chloroethane	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
Chloroform	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
Chloromethane	ND	10		µg/Kg	1	2/5/2009 1:34:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
Ethylbenzene	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
m,p-Xylene	ND	10		µg/Kg	1	2/5/2009 1:34:00 PM
Methyl ethyl ketone	ND	20		µg/Kg	1	2/5/2009 1:34:00 PM
Methylene chloride	ND	20		µg/Kg	1	2/5/2009 1:34:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/29/2009 4:14:00 PM

Project: Detrex West

Lab ID: 0902004-004

Matrix: SOLID

Client Sample ID DETWSB-1:12-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
Styrene	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
Toluene	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
Trichloroethene	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
Vinyl acetate	ND	10		µg/Kg	1	2/5/2009 1:34:00 PM
Vinyl chloride	ND	5.0		µg/Kg	1	2/5/2009 1:34:00 PM
Surr: 4-Bromofluorobenzene	92.6	64-115		%REC	1	2/5/2009 1:34:00 PM
Surr: Dibromofluoromethane	102	84-142		%REC	1	2/5/2009 1:34:00 PM
Surr: Toluene-d8	98.2	75-117		%REC	1	2/5/2009 1:34:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
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FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/29/2009 4:32:00 PM

Project: Detrex West

Lab ID: 0902004-005

Matrix: SOLID

Client Sample ID DETWSB-1:20-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
1,2,4-Trichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
1,2-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
1,3-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
1,4-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
2,4,5-Trichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
2,4,6-Trichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
2,4-Dichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
2,4-Dimethylphenol	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
2,4-Dinitrophenol	ND	1.70		mg/Kg	1	2/5/2009 6:30:00 PM
2,4-Dinitrotoluene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
2,6-Dinitrotoluene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
2-Chloronaphthalene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
2-Chlorophenol	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
2-Methylnaphthalene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
2-Methylphenol	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
2-Nitroaniline	ND	1.70		mg/Kg	1	2/5/2009 6:30:00 PM
2-Nitrophenol	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
3&4 Methylphenol	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
3,3'-Dichlorobenzidine	ND	0.658		mg/Kg	1	2/5/2009 6:30:00 PM
3-Nitroaniline	ND	1.70		mg/Kg	1	2/5/2009 6:30:00 PM
4,6-Dinitro-2-methylphenol	ND	1.70		mg/Kg	1	2/5/2009 6:30:00 PM
4-Bromophenyl phenyl ether	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
4-Chloro-3-methylphenol	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
4-Chloroaniline	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
4-Chlorophenyl phenyl ether	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
4-Nitroaniline	ND	0.658		mg/Kg	1	2/5/2009 6:30:00 PM
4-Nitrophenol	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Acenaphthene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Acenaphthylene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Anthracene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Benzo (a) anthracene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Benzo(a)pyrene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Benzo(b)fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Benzo(g,h,i)perylene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/29/2009 4:32:00 PM

Project: Detrex West

Lab ID: 0902004-005

Matrix: SOLID

Client Sample ID DETWSB-1:20-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Benzoic acid	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Benzyl alcohol	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Bis(2-chloroethoxy)methane	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Bis(2-chloroethyl) ether	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Bis(2-chloroisopropyl) ether	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Butyl benzyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Chrysene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Dibenz(a,h)anthracene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Dibenzofuran	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Diethyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Dimethyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Di-n-butyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Di-n-octyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Fluorene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Hexachlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Hexachlorobutadiene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Hexachlorocyclopentadiene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Hexachloroethane	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Isophorone	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Naphthalene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Nitrobenzene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
N-Nitrosodi-n-propylamine	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
N-Nitrosodiphenylamine	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Pentachlorophenol	ND	1.70		mg/Kg	1	2/5/2009 6:30:00 PM
Phenanthrene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Phenol	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Pyrene	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Pyridine	ND	0.329		mg/Kg	1	2/5/2009 6:30:00 PM
Surr: 2,4,6-Tribromophenol	21.1	19-122		%REC	1	2/5/2009 6:30:00 PM
Surr: 2-Fluorobiphenyl	54.8	30-115		%REC	1	2/5/2009 6:30:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/29/2009 4:32:00 PM

Project: Detrex West

Lab ID: 0902004-005

Matrix: SOLID

Client Sample ID DETWSB-1:20-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
Surr: 2-Fluorophenol	29.5	25-121		%REC	1	2/5/2009 6:30:00 PM
Surr: Nitrobenzene-d5	30.7	23-120		%REC	1	2/5/2009 6:30:00 PM
Surr: Phenol-d6	33.5	24-113		%REC	1	2/5/2009 6:30:00 PM
Surr: Terphenyl-d14	55.3	18-137		%REC	1	2/5/2009 6:30:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
2-Hexanone	ND	100		µg/Kg	1	2/5/2009 1:58:00 PM
4-Methyl-2-pentanone	ND	20		µg/Kg	1	2/5/2009 1:58:00 PM
Acetone	ND	100		µg/Kg	1	2/5/2009 1:58:00 PM
Benzene	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
Bromoform	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
Bromomethane	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
Carbon disulfide	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
Chlorobenzene	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
Chloroethane	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
Chloroform	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
Chloromethane	ND	10		µg/Kg	1	2/5/2009 1:58:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
Ethylbenzene	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
m,p-Xylene	ND	10		µg/Kg	1	2/5/2009 1:58:00 PM
Methyl ethyl ketone	ND	20		µg/Kg	1	2/5/2009 1:58:00 PM
Methylene chloride	ND	20		µg/Kg	1	2/5/2009 1:58:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/29/2009 4:32:00 PM

Project: Detrex West

Lab ID: 0902004-005

Matrix: SOLID

Client Sample ID DETWSB-1:20-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
o-Xylene	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
Styrene	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
Toluene	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
Trichloroethene	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
Vinyl acetate	ND	10		µg/Kg	1	2/5/2009 1:58:00 PM
Vinyl chloride	ND	5.0		µg/Kg	1	2/5/2009 1:58:00 PM
Surr: 4-Bromofluorobenzene	85.4	64-115		%REC	1	2/5/2009 1:58:00 PM
Surr: Dibromofluoromethane	105	84-142		%REC	1	2/5/2009 1:58:00 PM
Surr: Toluene-d8	95.7	75-117		%REC	1	2/5/2009 1:58:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/29/2009 4:04:00 PM

Project: Detrex West

Lab ID: 0902004-006

Matrix: SOLID

Client Sample ID DETWSB-1:8-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
1,2,4-Trichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
1,2-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
1,3-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
1,4-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
2,4,5-Trichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
2,4,6-Trichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
2,4-Dichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
2,4-Dimethylphenol	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
2,4-Dinitrophenol	ND	1.69		mg/Kg	1	2/5/2009 7:11:00 PM
2,4-Dinitrotoluene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
2,6-Dinitrotoluene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
2-Chloronaphthalene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
2-Chlorophenol	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
2-Methylnaphthalene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
2-Methylphenol	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
2-Nitroaniline	ND	1.69		mg/Kg	1	2/5/2009 7:11:00 PM
2-Nitrophenol	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
3&4 Methylphenol	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
3,3'-Dichlorobenzidine	ND	0.658		mg/Kg	1	2/5/2009 7:11:00 PM
3-Nitroaniline	ND	1.69		mg/Kg	1	2/5/2009 7:11:00 PM
4,6-Dinitro-2-methylphenol	ND	1.69		mg/Kg	1	2/5/2009 7:11:00 PM
4-Bromophenyl phenyl ether	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
4-Chloro-3-methylphenol	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
4-Chloroaniline	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
4-Chlorophenyl phenyl ether	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
4-Nitroaniline	ND	0.658		mg/Kg	1	2/5/2009 7:11:00 PM
4-Nitrophenol	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Acenaphthene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Acenaphthylene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Anthracene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Benzo (a) anthracene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Benzo(a)pyrene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Benzo(b)fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Benzo(g,h,i)perylene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/29/2009 4:04:00 PM

Project: Detrex West

Lab ID: 0902004-006

Matrix: SOLID

Client Sample ID DETWSB-1:8-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Benzoic acid	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Benzyl alcohol	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Bis(2-chloroethoxy)methane	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Bis(2-chloroethyl) ether	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Bis(2-chloroisopropyl) ether	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Butyl benzyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Chrysene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Dibenz(a,h)anthracene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Dibenzofuran	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Diethyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Dimethyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Di-n-butyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Di-n-octyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Fluorene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Hexachlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Hexachlorobutadiene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Hexachlorocyclopentadiene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Hexachloroethane	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Isophorone	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Naphthalene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Nitrobenzene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
N-Nitrosodi-n-propylamine	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
N-Nitrosodiphenylamine	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Pentachlorophenol	ND	1.69		mg/Kg	1	2/5/2009 7:11:00 PM
Phenanthrene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Phenol	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Pyrene	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Pyridine	ND	0.329		mg/Kg	1	2/5/2009 7:11:00 PM
Surr: 2,4,6-Tribromophenol	48.8	19-122		%REC	1	2/5/2009 7:11:00 PM
Surr: 2-Fluorobiphenyl	64.1	30-115		%REC	1	2/5/2009 7:11:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp. **Collection Date:** 1/29/2009 4:04:00 PM

Project: Detrex West

Lab ID: 0902004-006 **Matrix:** SOLID

Client Sample ID DETWSB-1:8-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
Surr: 2-Fluorophenol	31.5	25-121		%REC	1	2/5/2009 7:11:00 PM
Surr: Nitrobenzene-d5	42.1	23-120		%REC	1	2/5/2009 7:11:00 PM
Surr: Phenol-d6	37.0	24-113		%REC	1	2/5/2009 7:11:00 PM
Surr: Terphenyl-d14	76.3	18-137		%REC	1	2/5/2009 7:11:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
2-Hexanone	ND	100		µg/Kg	1	2/5/2009 2:23:00 PM
4-Methyl-2-pentanone	ND	20		µg/Kg	1	2/5/2009 2:23:00 PM
Acetone	ND	100		µg/Kg	1	2/5/2009 2:23:00 PM
Benzene	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
Bromoform	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
Bromomethane	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
Carbon disulfide	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
Chlorobenzene	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
Chloroethane	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
Chloroform	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
Chloromethane	ND	10		µg/Kg	1	2/5/2009 2:23:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
Ethylbenzene	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
m,p-Xylene	ND	10		µg/Kg	1	2/5/2009 2:23:00 PM
Methyl ethyl ketone	ND	20		µg/Kg	1	2/5/2009 2:23:00 PM
Methylene chloride	ND	20		µg/Kg	1	2/5/2009 2:23:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/29/2009 4:04:00 PM

Project: Detrex West

Lab ID: 0902004-006

Matrix: SOLID

Client Sample ID DETWSB-1:8-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
o-Xylene	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
Styrene	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
Toluene	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
Trichloroethene	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
Vinyl acetate	ND	10		µg/Kg	1	2/5/2009 2:23:00 PM
Vinyl chloride	ND	5.0		µg/Kg	1	2/5/2009 2:23:00 PM
Surr: 4-Bromofluorobenzene	94.6	64-115		%REC	1	2/5/2009 2:23:00 PM
Surr: Dibromofluoromethane	101	84-142		%REC	1	2/5/2009 2:23:00 PM
Surr: Toluene-d8	99.0	75-117		%REC	1	2/5/2009 2:23:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: 0902004

Date Reported: 2/18/2009

CLIENT: URS Corp.

Collection Date: 1/29/2009 1:03:00 PM

Project: Detrex West

Lab ID: 0902004-007

Matrix: SOLID

Client Sample ID DETWSB-2:10-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
1,2,4-Trichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
1,2-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
1,3-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
1,4-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
2,4,5-Trichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
2,4,6-Trichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
2,4-Dichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
2,4-Dimethylphenol	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
2,4-Dinitrophenol	ND	1.69		mg/Kg	1	2/5/2009 7:53:00 PM
2,4-Dinitrotoluene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
2,6-Dinitrotoluene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
2-Chloronaphthalene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
2-Chlorophenol	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
2-Methylnaphthalene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
2-Methylphenol	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
2-Nitroaniline	ND	1.69		mg/Kg	1	2/5/2009 7:53:00 PM
2-Nitrophenol	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
3&4 Methylphenol	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
3,3'-Dichlorobenzidine	ND	0.658		mg/Kg	1	2/5/2009 7:53:00 PM
3-Nitroaniline	ND	1.69		mg/Kg	1	2/5/2009 7:53:00 PM
4,6-Dinitro-2-methylphenol	ND	1.69		mg/Kg	1	2/5/2009 7:53:00 PM
4-Bromophenyl phenyl ether	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
4-Chloro-3-methylphenol	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
4-Chloroaniline	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
4-Chlorophenyl phenyl ether	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
4-Nitroaniline	ND	0.658		mg/Kg	1	2/5/2009 7:53:00 PM
4-Nitrophenol	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Acenaphthene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Acenaphthylene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Anthracene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Benzo (a) anthracene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Benzo(a)pyrene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Benzo(b)fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Benzo(g,h,i)perylene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/29/2009 1:03:00 PM

Project: Detrex West

Lab ID: 0902004-007

Matrix: SOLID

Client Sample ID DETWSB-2:10-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Benzoic acid	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Benzyl alcohol	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Bis(2-chloroethoxy)methane	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Bis(2-chloroethyl) ether	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Bis(2-chloroisopropyl) ether	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Butyl benzyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Chrysene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Dibenz(a,h)anthracene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Dibenzofuran	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Diethyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Dimethyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Di-n-butyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Di-n-octyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Fluorene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Hexachlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Hexachlorobutadiene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Hexachlorocyclopentadiene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Hexachloroethane	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Isophorone	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Naphthalene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Nitrobenzene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
N-Nitrosodi-n-propylamine	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
N-Nitrosodiphenylamine	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Pentachlorophenol	ND	1.69		mg/Kg	1	2/5/2009 7:53:00 PM
Phenanthrene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Phenol	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Pyrene	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Pyridine	ND	0.329		mg/Kg	1	2/5/2009 7:53:00 PM
Surr: 2,4,6-Tribromophenol	42.7	19-122		%REC	1	2/5/2009 7:53:00 PM
Surr: 2-Fluorobiphenyl	80.6	30-115		%REC	1	2/5/2009 7:53:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: 0902004

Date Reported: 2/18/2009

CLIENT: URS Corp.
Collection Date: 1/29/2009 1:03:00 PM
Project: Detrex West
Lab ID: 0902004-007
Matrix: SOLID
Client Sample ID DETWSB-2:10-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
Surr: 2-Fluorophenol	45.4	25-121		%REC	1	2/5/2009 7:53:00 PM
Surr: Nitrobenzene-d5	55.9	23-120		%REC	1	2/5/2009 7:53:00 PM
Surr: Phenol-d6	51.4	24-113		%REC	1	2/5/2009 7:53:00 PM
Surr: Terphenyl-d14	75.4	18-137		%REC	1	2/5/2009 7:53:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
2-Hexanone	ND	100		µg/Kg	1	2/5/2009 4:02:00 PM
4-Methyl-2-pentanone	ND	20		µg/Kg	1	2/5/2009 4:02:00 PM
Acetone	ND	100		µg/Kg	1	2/5/2009 4:02:00 PM
Benzene	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
Bromoform	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
Bromomethane	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
Carbon disulfide	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
Chlorobenzene	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
Chloroethane	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
Chloroform	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
Chloromethane	ND	10		µg/Kg	1	2/5/2009 4:02:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
Ethylbenzene	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
m,p-Xylene	ND	10		µg/Kg	1	2/5/2009 4:02:00 PM
Methyl ethyl ketone	ND	20		µg/Kg	1	2/5/2009 4:02:00 PM
Methylene chloride	ND	20		µg/Kg	1	2/5/2009 4:02:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.
Project: Detrex West
Lab ID: 0902004-007
Client Sample ID DETWSB-2:10-12

Collection Date: 1/29/2009 1:03:00 PM
Matrix: SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
o-Xylene	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
Styrene	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
Toluene	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
Trichloroethene	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
Vinyl acetate	ND	10		µg/Kg	1	2/5/2009 4:02:00 PM
Vinyl chloride	ND	5.0		µg/Kg	1	2/5/2009 4:02:00 PM
Surr: 4-Bromofluorobenzene	87.0	64-115		%REC	1	2/5/2009 4:02:00 PM
Surr: Dibromofluoromethane	103	84-142		%REC	1	2/5/2009 4:02:00 PM
Surr: Toluene-d8	95.9	75-117		%REC	1	2/5/2009 4:02:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 0902004

Date Reported: 2/18/2009

CLIENT: URS Corp. **Collection Date:** 1/29/2009 1:07:00 PM

Project: Detrex West

Lab ID: 0902004-008 **Matrix:** SOLID

Client Sample ID DETWSB-2:12-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
1,2,4-Trichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
1,2-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
1,3-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
1,4-Dichlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
2,4,5-Trichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
2,4,6-Trichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
2,4-Dichlorophenol	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
2,4-Dimethylphenol	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
2,4-Dinitrophenol	ND	1.70		mg/Kg	1	2/5/2009 8:34:00 PM
2,4-Dinitrotoluene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
2,6-Dinitrotoluene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
2-Chloronaphthalene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
2-Chlorophenol	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
2-Methylnaphthalene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
2-Methylphenol	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
2-Nitroaniline	ND	1.70		mg/Kg	1	2/5/2009 8:34:00 PM
2-Nitrophenol	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
3&4 Methylphenol	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
3,3'-Dichlorobenzidine	ND	0.658		mg/Kg	1	2/5/2009 8:34:00 PM
3-Nitroaniline	ND	1.70		mg/Kg	1	2/5/2009 8:34:00 PM
4,6-Dinitro-2-methylphenol	ND	1.70		mg/Kg	1	2/5/2009 8:34:00 PM
4-Bromophenyl phenyl ether	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
4-Chloro-3-methylphenol	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
4-Chloroaniline	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
4-Chlorophenyl phenyl ether	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
4-Nitroaniline	ND	0.658		mg/Kg	1	2/5/2009 8:34:00 PM
4-Nitrophenol	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Acenaphthene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Acenaphthylene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Anthracene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Benzo (a) anthracene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Benzo(a)pyrene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Benzo(b)fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Benzo(g,h,i)perylene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/29/2009 1:07:00 PM

Project: Detrex West

Lab ID: 0902004-008

Matrix: SOLID

Client Sample ID DETWSB-2:12-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
Benzo(k)fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Benzoic acid	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Benzyl alcohol	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Bis(2-chloroethoxy)methane	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Bis(2-chloroethyl) ether	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Bis(2-chloroisopropyl) ether	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Butyl benzyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Chrysene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Dibenz(a,h)anthracene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Dibenzofuran	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Diethyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Dimethyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Di-n-butyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Di-n-octyl phthalate	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Fluoranthene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Fluorene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Hexachlorobenzene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Hexachlorobutadiene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Hexachlorocyclopentadiene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Hexachloroethane	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Isophorone	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Naphthalene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Nitrobenzene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
N-Nitrosodi-n-propylamine	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
N-Nitrosodiphenylamine	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Pentachlorophenol	ND	1.70		mg/Kg	1	2/5/2009 8:34:00 PM
Phenanthrene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Phenol	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Pyrene	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Pyridine	ND	0.329		mg/Kg	1	2/5/2009 8:34:00 PM
Surr: 2,4,6-Tribromophenol	19.9	19-122		%REC	1	2/5/2009 8:34:00 PM
Surr: 2-Fluorobiphenyl	56.2	30-115		%REC	1	2/5/2009 8:34:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 0902004

Date Reported: 2/18/2009

CLIENT: URS Corp.
Collection Date: 1/29/2009 1:07:00 PM
Project: Detrex West
Lab ID: 0902004-008
Matrix: SOLID
Client Sample ID DETWSB-2:12-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	31.1	25-121		%REC	1	2/5/2009 8:34:00 PM
Surr: Nitrobenzene-d5	40.8	23-120		%REC	1	2/5/2009 8:34:00 PM
Surr: Phenol-d6	35.6	24-113		%REC	1	2/5/2009 8:34:00 PM
Surr: Terphenyl-d14	53.8	18-137		%REC	1	2/5/2009 8:34:00 PM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
2-Hexanone	ND	100		µg/Kg	1	2/5/2009 4:26:00 PM
4-Methyl-2-pentanone	ND	20		µg/Kg	1	2/5/2009 4:26:00 PM
Acetone	ND	100		µg/Kg	1	2/5/2009 4:26:00 PM
Benzene	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
Bromoform	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
Bromomethane	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
Carbon disulfide	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
Chlorobenzene	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
Chloroethane	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
Chloroform	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
Chloromethane	ND	10		µg/Kg	1	2/5/2009 4:26:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
Ethylbenzene	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
m,p-Xylene	ND	10		µg/Kg	1	2/5/2009 4:26:00 PM
Methyl ethyl ketone	ND	20		µg/Kg	1	2/5/2009 4:26:00 PM
Methylene chloride	ND	20		µg/Kg	1	2/5/2009 4:26:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/29/2009 1:07:00 PM

Project: Detrex West

Lab ID: 0902004-008

Matrix: SOLID

Client Sample ID DETWSB-2:12-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
Styrene	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
Toluene	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
Trichloroethene	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
Vinyl acetate	ND	10		µg/Kg	1	2/5/2009 4:26:00 PM
Vinyl chloride	ND	5.0		µg/Kg	1	2/5/2009 4:26:00 PM
Surr: 4-Bromofluorobenzene	85.3	64-115		%REC	1	2/5/2009 4:26:00 PM
Surr: Dibromofluoromethane	105	84-142		%REC	1	2/5/2009 4:26:00 PM
Surr: Toluene-d8	96.0	75-117		%REC	1	2/5/2009 4:26:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/29/2009 1:30:00 PM

Project: Detrex West

Lab ID: 0902004-009

Matrix: SOLID

Client Sample ID DETWSB-2:20-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
1,2,4-Trichlorobenzene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
1,2-Dichlorobenzene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
1,3-Dichlorobenzene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
1,4-Dichlorobenzene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
2,4,5-Trichlorophenol	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
2,4,6-Trichlorophenol	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
2,4-Dichlorophenol	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
2,4-Dimethylphenol	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
2,4-Dinitrophenol	ND	1.70		mg/Kg	1	2/5/2009 3:18:00 PM
2,4-Dinitrotoluene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
2,6-Dinitrotoluene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
2-Chloronaphthalene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
2-Chlorophenol	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
2-Methylnaphthalene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
2-Methylphenol	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
2-Nitroaniline	ND	1.70		mg/Kg	1	2/5/2009 3:18:00 PM
2-Nitrophenol	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
3&4 Methylphenol	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
3,3'-Dichlorobenzidine	ND	0.660		mg/Kg	1	2/5/2009 3:18:00 PM
3-Nitroaniline	ND	1.70		mg/Kg	1	2/5/2009 3:18:00 PM
4,6-Dinitro-2-methylphenol	ND	1.70		mg/Kg	1	2/5/2009 3:18:00 PM
4-Bromophenyl phenyl ether	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
4-Chloro-3-methylphenol	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
4-Chloroaniline	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
4-Chlorophenyl phenyl ether	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
4-Nitroaniline	ND	0.660		mg/Kg	1	2/5/2009 3:18:00 PM
4-Nitrophenol	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Acenaphthene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Acenaphthylene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Anthracene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Benzo (a) anthracene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Benzo(a)pyrene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Benzo(b)fluoranthene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Benzo(g,h,i)perylene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: 0902004

Date Reported: 2/18/2009

CLIENT: URS Corp.
Collection Date: 1/29/2009 1:30:00 PM
Project: Detrex West
Lab ID: 0902004-009
Matrix: SOLID
Client Sample ID DETWSB-2:20-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Benzoic acid	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Benzyl alcohol	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Bis(2-chloroethoxy)methane	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Bis(2-chloroethyl) ether	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Bis(2-chloroisopropyl) ether	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Butyl benzyl phthalate	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Chrysene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Dibenz(a,h)anthracene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Dibenzofuran	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Diethyl phthalate	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Dimethyl phthalate	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Di-n-butyl phthalate	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Di-n-octyl phthalate	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Fluoranthene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Fluorene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Hexachlorobenzene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Hexachlorobutadiene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Hexachlorocyclopentadiene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Hexachloroethane	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Isophorone	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Naphthalene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Nitrobenzene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
N-Nitrosodi-n-propylamine	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
N-Nitrosodiphenylamine	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Pentachlorophenol	ND	1.70		mg/Kg	1	2/5/2009 3:18:00 PM
Phenanthrene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Phenol	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Pyrene	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Pyridine	ND	0.330		mg/Kg	1	2/5/2009 3:18:00 PM
Surr: 2,4,6-Tribromophenol	20.3	19-122		%REC	1	2/5/2009 3:18:00 PM
Surr: 2-Fluorobiphenyl	43.0	30-115		%REC	1	2/5/2009 3:18:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp. **Collection Date:** 1/29/2009 1:30:00 PM

Project: Detrex West

Lab ID: 0902004-009 **Matrix:** SOLID

Client Sample ID DETWSB-2:20-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	23.8	25-121	S	%REC	1	2/5/2009 3:18:00 PM
Surr: Nitrobenzene-d5	23.4	23-120		%REC	1	2/5/2009 3:18:00 PM
Surr: Phenol-d6	26.2	24-113		%REC	1	2/5/2009 3:18:00 PM
Surr: Terphenyl-d14	45.5	18-137		%REC	1	2/5/2009 3:18:00 PM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
1,2-Dichloropropane	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
2-Hexanone	ND	100		µg/Kg	1	2/5/2009 4:51:00 PM
4-Methyl-2-pentanone	ND	20		µg/Kg	1	2/5/2009 4:51:00 PM
Acetone	ND	100		µg/Kg	1	2/5/2009 4:51:00 PM
Benzene	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
Bromodichloromethane	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
Bromoform	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
Bromomethane	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
Carbon disulfide	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
Carbon tetrachloride	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
Chlorobenzene	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
Chloroethane	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
Chloroform	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
Chloromethane	ND	10		µg/Kg	1	2/5/2009 4:51:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
Dibromochloromethane	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
Ethylbenzene	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
m,p-Xylene	ND	10		µg/Kg	1	2/5/2009 4:51:00 PM
Methyl ethyl ketone	ND	20		µg/Kg	1	2/5/2009 4:51:00 PM
Methylene chloride	ND	20		µg/Kg	1	2/5/2009 4:51:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **0902004**

Date Reported: **2/18/2009**

CLIENT: URS Corp.

Collection Date: 1/29/2009 1:30:00 PM

Project: Detrex West

Lab ID: 0902004-009

Matrix: SOLID

Client Sample ID DETWSB-2:20-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
o-Xylene	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
Styrene	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
Tetrachloroethene	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
Toluene	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
Trichloroethene	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
Vinyl acetate	ND	10		µg/Kg	1	2/5/2009 4:51:00 PM
Vinyl chloride	ND	5.0		µg/Kg	1	2/5/2009 4:51:00 PM
Surr: 4-Bromofluorobenzene	80.6	64-115		%REC	1	2/5/2009 4:51:00 PM
Surr: Dibromofluoromethane	103	84-142		%REC	1	2/5/2009 4:51:00 PM
Surr: Toluene-d8	95.3	75-117		%REC	1	2/5/2009 4:51:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

CLIENT: URS Corp.
Work Order: 0902004
Project: Detrex West

QC SUMMARY REPORT

BatchID: 1884

Sample ID: **MB-1884** SampType: **MBLK** TestCode: **SW_8270SOL** Units: **mg/Kg** Prep Date: **2/2/2009** RunNo: **4528**
Client ID: **PBS** Batch ID: **1884** TestNo: **SW8270C** Analysis Date: **2/2/2009** SeqNo: **50608**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.330									
1,2-Dichlorobenzene	ND	0.330									
1,3-Dichlorobenzene	ND	0.330									
1,4-Dichlorobenzene	ND	0.330									
2,4,5-Trichlorophenol	ND	0.330									
2,4,6-Trichlorophenol	ND	0.330									
2,4-Dichlorophenol	ND	0.330									
2,4-Dimethylphenol	ND	0.330									
2,4-Dinitrophenol	ND	1.70									
2,4-Dinitrotoluene	ND	0.330									
2,6-Dinitrotoluene	ND	0.330									
2-Chloronaphthalene	ND	0.330									
2-Chlorophenol	ND	0.330									
2-Methylnaphthalene	ND	0.330									
2-Methylphenol	ND	0.330									
2-Nitroaniline	ND	1.70									
2-Nitrophenol	ND	0.330									
3&4 Methylphenol	ND	0.330									
3,3'-Dichlorobenzidine	ND	0.660									
3-Nitroaniline	ND	1.70									
4,6-Dinitro-2-methylphenol	ND	1.70									
4-Bromophenyl phenyl ether	ND	0.330									
4-Chloro-3-methylphenol	ND	0.330									
4-Chloroaniline	ND	0.330									
4-Chlorophenyl phenyl ether	ND	0.330									
4-Nitroaniline	ND	0.660									
4-Nitrophenol	ND	0.330									
Acenaphthene	ND	0.330									
Acenaphthylene	ND	0.330									
Anthracene	ND	0.330									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902004
Project: Detrex West

QC SUMMARY REPORT

BatchID: 1884

Sample ID: **MB-1884** SampType: **MBLK** TestCode: **SW_8270SOL** Units: **mg/Kg** Prep Date: **2/2/2009** RunNo: **4528**
Client ID: **PBS** Batch ID: **1884** TestNo: **SW8270C** Analysis Date: **2/2/2009** SeqNo: **50608**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo (a) anthracene	ND	0.330									
Benzo(a)pyrene	ND	0.330									
Benzo(b)fluoranthene	ND	0.330									
Benzo(g,h,i)perylene	ND	0.330									
Benzo(k)fluoranthene	ND	0.330									
Benzoic acid	ND	0.330									
Benzyl alcohol	ND	0.330									
Bis(2-chloroethoxy)methane	ND	0.330									
Bis(2-chloroethyl) ether	ND	0.330									
Bis(2-chloroisopropyl) ether	ND	0.330									
Bis(2-ethylhexyl) phthalate	ND	0.330									
Butyl benzyl phthalate	ND	0.330									
Chrysene	ND	0.330									
Dibenz(a,h)anthracene	ND	0.330									
Dibenzofuran	ND	0.330									
Diethyl phthalate	ND	0.330									
Dimethyl phthalate	ND	0.330									
Di-n-butyl phthalate	ND	0.330									
Di-n-octyl phthalate	ND	0.330									
Fluoranthene	ND	0.330									
Fluorene	ND	0.330									
Hexachlorobenzene	ND	0.330									
Hexachlorobutadiene	ND	0.330									
Hexachlorocyclopentadiene	ND	0.330									
Hexachloroethane	ND	0.330									
Indeno(1,2,3-cd)pyrene	ND	0.330									
Isophorone	ND	0.330									
Naphthalene	ND	0.330									
Nitrobenzene	ND	0.330									
N-Nitrosodi-n-propylamine	ND	0.330									
N-Nitrosodiphenylamine	ND	0.330									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902004
Project: Detrex West

QC SUMMARY REPORT

BatchID: 1884

Sample ID: **MB-1884** SampType: **MBLK** TestCode: **SW_8270SOL** Units: **mg/Kg** Prep Date: **2/2/2009** RunNo: **4528**
Client ID: **PBS** Batch ID: **1884** TestNo: **SW8270C** Analysis Date: **2/2/2009** SeqNo: **50608**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	1.70									
Phenanthrene	ND	0.330									
Phenol	ND	0.330									
Pyrene	ND	0.330									
Pyridine	ND	0.330									
Surr: 2,4,6-Tribromophenol	1.96		3.330		58.8	19	122				
Surr: 2-Fluorobiphenyl	2.63		3.330		78.9	30	115				
Surr: 2-Fluorophenol	1.78		3.330		53.3	25	121				
Surr: Nitrobenzene-d5	2.15		3.330		64.5	23	120				
Surr: Phenol-d6	1.89		3.330		56.8	24	113				
Surr: Terphenyl-d14	2.94		3.330		88.4	18	137				

Sample ID: **LCS-1884** SampType: **LCS** TestCode: **SW_8270SOL** Units: **mg/Kg** Prep Date: **2/2/2009** RunNo: **4528**
Client ID: **LCSS** Batch ID: **1884** TestNo: **SW8270C** Analysis Date: **2/2/2009** SeqNo: **50609**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1.85	0.330	3.330	0	55.5	44	142				
1,4-Dichlorobenzene	1.68	0.330	3.330	0	50.4	20	124				
2,4-Dinitrotoluene	2.70	0.330	3.330	0	81.2	39	139				
2-Chlorophenol	1.76	0.330	3.330	0	52.9	23	134				
4-Chloro-3-methylphenol	2.39	0.330	3.330	0	71.6	22	147				
4-Nitrophenol	2.18	0.330	3.330	0	65.4	1	132				
Acenaphthene	2.27	0.330	3.330	0	68.1	47	145				
N-Nitrosodi-n-propylamine	1.87	0.330	3.330	0	56.3	10	200				
Pentachlorophenol	1.97	1.70	3.330	0	59.2	14	176				
Phenol	1.80	0.330	3.330	0	53.9	5	112				
Pyrene	2.98	0.330	3.330	0	89.4	52	115				
Surr: 2,4,6-Tribromophenol	2.53		3.330		75.9	19	122				
Surr: 2-Fluorobiphenyl	3.27		3.330		98.2	30	115				
Surr: 2-Fluorophenol	1.84		3.330		55.2	25	121				
Surr: Nitrobenzene-d5	2.38		3.330		71.6	23	120				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902004
Project: Detrex West

QC SUMMARY REPORT

BatchID: 1884

Sample ID: **LCS-1884** SampType: **LCS** TestCode: **SW_8270SOL** Units: **mg/Kg** Prep Date: **2/2/2009** RunNo: **4528**
Client ID: **LCSS** Batch ID: **1884** TestNo: **SW8270C** Analysis Date: **2/2/2009** SeqNo: **50609**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Phenol-d6	2.15		3.330		64.5	24	113				
Surr: Terphenyl-d14	3.38		3.330		102	18	137				

Sample ID: **LCSD-1884** SampType: **LCSD** TestCode: **SW_8270SOL** Units: **mg/Kg** Prep Date: **2/2/2009** RunNo: **4528**
Client ID: **LCSS02** Batch ID: **1884** TestNo: **SW8270C** Analysis Date: **2/2/2009** SeqNo: **50610**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1.67	0.330	3.330	0	50.1	44	142	1.848	10.2	20	
1,4-Dichlorobenzene	1.53	0.330	3.330	0	46.0	20	124	1.677	9.15	20	
2,4-Dinitrotoluene	2.66	0.330	3.330	0	79.9	39	139	2.704	1.64	20	
2-Chlorophenol	1.62	0.330	3.330	0	48.7	23	134	1.763	8.39	20	
4-Chloro-3-methylphenol	2.32	0.330	3.330	0	69.5	22	147	2.385	2.98	20	
4-Nitrophenol	2.20	0.330	3.330	0	66.1	1	132	2.179	0.959	20	
Acenaphthene	2.19	0.330	3.330	0	65.7	47	145	2.267	3.55	20	
N-Nitrosodi-n-propylamine	1.72	0.330	3.330	0	51.8	10	200	1.874	8.34	20	
Pentachlorophenol	1.95	1.70	3.330	0	58.5	14	176	1.970	1.21	20	
Phenol	1.65	0.330	3.330	0	49.6	5	112	1.795	8.36	20	
Pyrene	2.93	0.330	3.330	0	88.0	52	115	2.976	1.56	20	
Surr: 2,4,6-Tribromophenol	2.39		3.330		71.8	19	122		0	0	
Surr: 2-Fluorobiphenyl	2.98		3.330		89.6	30	115		0	0	
Surr: 2-Fluorophenol	1.71		3.330		51.5	25	121		0	0	
Surr: Nitrobenzene-d5	2.17		3.330		65.3	23	120		0	0	
Surr: Phenol-d6	1.97		3.330		59.3	24	113		0	0	
Surr: Terphenyl-d14	3.27		3.330		98.3	18	137		0	0	

Sample ID: **0902004-009bms** SampType: **ms** TestCode: **sw_8270sol** Units: **mg/Kg** Prep Date: **2/2/2009** RunNo: **4528**
Client ID: **DETWSB-2:20-22** Batch ID: **1884** TestNo: **SW8270C** Analysis Date: **2/5/2009** SeqNo: **52724**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1.81	0.329	3.321	0	54.4	44	142				
1,4-Dichlorobenzene	1.43	0.329	3.321	0	43.2	20	124				

Qualifiers:
- */X Value exceeds Maximum Contaminant Level
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit (PQL)
- H Holding times for preparation or analys
- P Second column confirmation exceeds
- S Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902004
Project: Detrex West

QC SUMMARY REPORT

BatchID: 1884

Sample ID: **0902004-009bms** SampType: **ms** TestCode: **sw_8270sol** Units: **mg/Kg** Prep Date: **2/2/2009** RunNo: **4528**
Client ID: **DETWSB-2:20-22** Batch ID: **1884** TestNo: **SW8270C** Analysis Date: **2/5/2009** SeqNo: **52724**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	2.07	0.329	3.321	0	62.4	39	139				
2-Chlorophenol	1.58	0.329	3.321	0	47.7	23	134				
4-Chloro-3-methylphenol	2.16	0.329	3.321	0	65.1	22	147				
4-Nitrophenol	ND	0.329	3.321	0	0	1	132				S
Acenaphthene	2.22	0.329	3.321	0	67.0	47	145				
N-Nitrosodi-n-propylamine	1.70	0.329	3.321	0	51.2	10	200				
Pentachlorophenol	ND	1.70	3.321	0	7.23	14	176				S
Phenol	1.59	0.329	3.321	0	48.0	5	112				
Pyrene	2.71	0.329	3.321	0	81.6	52	115				
Surr: 2,4,6-Tribromophenol	1.70		3.321		51.2	19	122				
Surr: 2-Fluorobiphenyl	2.73		3.321		82.1	30	115				
Surr: 2-Fluorophenol	1.44		3.321		43.5	25	121				
Surr: Nitrobenzene-d5	1.88		3.321		56.6	23	120				
Surr: Phenol-d6	1.72		3.321		51.9	24	113				
Surr: Terphenyl-d14	2.58		3.321		77.7	18	137				

Sample ID: **0902004-009bmsd** SampType: **msd** TestCode: **sw_8270sol** Units: **mg/Kg** Prep Date: **2/2/2009** RunNo: **4528**
Client ID: **DETWSB-2:20-22** Batch ID: **1884** TestNo: **SW8270C** Analysis Date: **2/5/2009** SeqNo: **52725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1.64	0.330	3.328	0	49.4	44	142	1.807	9.42	20	
1,4-Dichlorobenzene	1.33	0.330	3.328	0	39.9	20	124	1.433	7.56	20	
2,4-Dinitrotoluene	1.78	0.330	3.328	0	53.5	39	139	2.073	15.2	20	
2-Chlorophenol	1.51	0.330	3.328	0	45.3	23	134	1.583	4.91	20	
4-Chloro-3-methylphenol	1.89	0.330	3.328	0	56.8	22	147	2.164	13.5	20	
4-Nitrophenol	ND	0.330	3.328	0	0	1	132	0	0	20	S
Acenaphthene	1.94	0.330	3.328	0	58.4	47	145	2.224	13.4	20	
N-Nitrosodi-n-propylamine	1.59	0.330	3.328	0	47.9	10	200	1.701	6.53	20	
Pentachlorophenol	ND	1.70	3.328	0	4.57	14	176	0.2400	0	20	S
Phenol	1.49	0.330	3.328	0	44.8	5	112	1.595	6.72	20	
Pyrene	2.28	0.330	3.328	0	68.4	52	115	2.709	17.3	20	

Qualifiers:
- */X Value exceeds Maximum Contaminant Level
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit (PQL)
- H Holding times for preparation or analys
- P Second column confirmation exceeds
- S Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902004
Project: Detrex West

QC SUMMARY REPORT

BatchID: 1884

Sample ID: **0902004-009bmsd** SampType: **msd** TestCode: **sw_8270sol** Units: **mg/Kg** Prep Date: **2/2/2009** RunNo: **4528**
Client ID: **DETWSB-2:20-22** Batch ID: **1884** TestNo: **SW8270C** Analysis Date: **2/5/2009** SeqNo: **52725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	1.45		3.328		43.7	19	122		0	0	
Surr: 2-Fluorobiphenyl	2.47		3.328		74.1	30	115		0	0	
Surr: 2-Fluorophenol	1.44		3.328		43.2	25	121		0	0	
Surr: Nitrobenzene-d5	1.80		3.328		54.1	23	120		0	0	
Surr: Phenol-d6	1.65		3.328		49.6	24	113		0	0	
Surr: Terphenyl-d14	2.18		3.328		65.5	18	137		0	0	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902004
Project: Detrex West

QC SUMMARY REPORT

BatchID: R4695

Sample ID: **blk**	SampType: **mblk**	TestCode: **sw_8260sol**	Units: **µg/Kg**	Prep Date:	RunNo: **4695**
Client ID: **PBS**	Batch ID: **R4695**	TestNo: **SW8260B**		Analysis Date: **2/5/2009**	SeqNo: **52872**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	5.00									
1,1,2,2-Tetrachloroethane	ND	5.00									
1,1,2-Trichloroethane	ND	5.00									
1,1-Dichloroethane	ND	5.00									
1,1-Dichloroethene	ND	5.00									
1,2-Dichloroethane	ND	5.00									
1,2-Dichloropropane	ND	5.00									
2-Hexanone	ND	100									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	100									
Benzene	ND	5.00									
Bromodichloromethane	ND	5.00									
Bromoform	ND	5.00									
Bromomethane	ND	5.00									
Carbon disulfide	ND	5.00									
Carbon tetrachloride	ND	5.00									
Chlorobenzene	ND	5.00									
Chloroethane	ND	5.00									
Chloroform	ND	5.00									
Chloromethane	ND	10.0									
cis-1,2-Dichloroethene	ND	5.00									
cis-1,3-Dichloropropene	ND	5.00									
Dibromochloromethane	ND	5.00									
Ethylbenzene	ND	5.00									
m,p-Xylene	ND	10.0									
Methyl ethyl ketone	ND	20.0									
Methylene chloride	ND	20.0									
o-Xylene	ND	5.00									
Styrene	ND	5.00									
Tetrachloroethene	ND	5.00									
Toluene	ND	5.00									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902004
Project: Detrex West

QC SUMMARY REPORT

BatchID: R4695

Sample ID: **blk** SampType: **mblk** TestCode: **sw_8260sol** Units: **µg/Kg** Prep Date: RunNo: **4695**
Client ID: **PBS** Batch ID: **R4695** TestNo: **SW8260B** Analysis Date: **2/5/2009** SeqNo: **52872**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	5.00									
trans-1,3-Dichloropropene	ND	5.00									
Trichloroethene	ND	5.00									
Vinyl acetate	ND	10.0									
Vinyl chloride	ND	5.00									
Surr: 4-Bromofluorobenzene	94.1		100.0		94.1	64	115				
Surr: Dibromofluoromethane	138		100.0		138	84	142				
Surr: Toluene-d8	102		100.0		102	75	117				

Sample ID: **lcs** SampType: **lcs** TestCode: **sw_8260sol** Units: **µg/Kg** Prep Date: RunNo: **4695**
Client ID: **LCSS** Batch ID: **R4695** TestNo: **SW8260B** Analysis Date: **2/5/2009** SeqNo: **52874**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23.4	5.00	20.00	0	117	67	147				
Benzene	20.7	5.00	20.00	0	104	64	122				
Chlorobenzene	20.2	5.00	20.00	0	101	68	136				
Toluene	20.3	5.00	20.00	0	102	67	134				
Trichloroethene	21.4	5.00	20.00	0	107	60	139				
Surr: 4-Bromofluorobenzene	102		100.0		102	64	115				
Surr: Dibromofluoromethane	101		100.0		101	84	142				
Surr: Toluene-d8	99.7		100.0		99.7	75	117				

Sample ID: **lcsd** SampType: **lcsd** TestCode: **sw_8260sol** Units: **µg/Kg** Prep Date: RunNo: **4695**
Client ID: **LCSS02** Batch ID: **R4695** TestNo: **SW8260B** Analysis Date: **2/5/2009** SeqNo: **52875**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22.3	5.00	20.00	0	111	67	147	23.42	4.94	20	
Benzene	20.3	5.00	20.00	0	102	64	122	20.74	1.95	20	
Chlorobenzene	19.9	5.00	20.00	0	99.4	68	136	20.24	1.74	20	
Toluene	20.0	5.00	20.00	0	99.8	67	134	20.30	1.69	20	
Trichloroethene	20.5	5.00	20.00	0	103	60	139	21.39	4.10	20	

Qualifiers:
- */X Value exceeds Maximum Contaminant Level
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit (PQL)
- H Holding times for preparation or analys
- P Second column confirmation exceeds
- S Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902004
Project: Detrex West

QC SUMMARY REPORT

BatchID: R4695

Sample ID: **lcsd** SampType: **lcsd** TestCode: **sw_8260sol** Units: **µg/Kg** Prep Date: RunNo: **4695**
Client ID: **LCSS02** Batch ID: **R4695** TestNo: **SW8260B** Analysis Date: **2/5/2009** SeqNo: **52875**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	101		100.0		101	64	115		0	20	
Surr: Dibromofluoromethane	99.6		100.0		99.6	84	142		0	20	
Surr: Toluene-d8	99.8		100.0		99.8	75	117		0	20	

Sample ID: **0902004-006ams** SampType: **ms** TestCode: **sw_8260sol** Units: **µg/Kg** Prep Date: RunNo: **4695**
Client ID: **DETWSB-1:8-10** Batch ID: **R4695** TestNo: **SW8260B** Analysis Date: **2/5/2009** SeqNo: **55050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	25	5.0	20.00	0	127	1	234				
Benzene	22	5.0	20.00	0	111	37	151				
Chlorobenzene	21	5.0	20.00	0	107	37	160				
Toluene	22	5.0	20.00	0	110	47	150				
Trichloroethene	22	5.0	20.00	0	109	71	157				
Surr: 4-Bromofluorobenzene	95		100.0		94.8	74	121				
Surr: Dibromofluoromethane	110		100.0		106	80	120				
Surr: Toluene-d8	100		100.0		99.7	81	117				

Sample ID: **0902004-006amsd** SampType: **msd** TestCode: **sw_8260sol** Units: **µg/Kg** Prep Date: RunNo: **4695**
Client ID: **DETWSB-1:8-10** Batch ID: **R4695** TestNo: **SW8260B** Analysis Date: **2/5/2009** SeqNo: **55051**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	24	5.0	20.00	0	119	1	234				
Benzene	21	5.0	20.00	0	104	37	151				
Chlorobenzene	19	5.0	20.00	0	95.8	37	160				
Toluene	20	5.0	20.00	0	101	47	150				
Trichloroethene	19	5.0	20.00	0	96.5	71	157				
Surr: 4-Bromofluorobenzene	96		100.0		95.9	74	121				
Surr: Dibromofluoromethane	110		100.0		107	80	120				
Surr: Toluene-d8	100		100.0		99.8	81	117				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

February 25, 2009

Martin Schmidt
URS Corp.
1375 Euclid Avenue
Cleveland, OH 44115

TEL: (216) 622-2400
FAX: (216) 622-2464

RE: Detrex

Order No.: 0902170

Dear Martin Schmidt:

Precision Analytical, Inc. received 8 sample(s) on 2/6/2009 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in an attached Case Narrative. Quality control data is within laboratory defined or method specified acceptance limits except if noted.

Solid samples are reported in ug/Kg or mg/Kg as received, unless specified in the units as dry weight. Unless otherwise noted, results have not been background or blank corrected.

If you have any questions regarding these tests results, please feel free to call.

Certifications: Ohio EPA - 4041; NELAC NY - 11167; NELAC PA - 68-00434;
NELAC IL - 001922; W.Va DEP - 245; KY UST - 69

Sincerely,

Scott Bolam

Scott Bolam
QA/QC Manager

PRECISION ANALYTICAL, INC.
4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp.
Project: Detrex
Lab ID: 0902170-001
Client Sample ID DETWMW-2:12-14

Collection Date: 1/30/2009 11:36:00 AM
Matrix: SOLID

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
1,2,4-Trichlorobenzene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
1,2-Dichlorobenzene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
1,3-Dichlorobenzene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
1,4-Dichlorobenzene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
2,4,5-Trichlorophenol	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
2,4,6-Trichlorophenol	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
2,4-Dichlorophenol	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
2,4-Dimethylphenol	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
2,4-Dinitrophenol	ND	1.70		mg/Kg	1	2/24/2009 11:01:00 PM
2,4-Dinitrotoluene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
2,6-Dinitrotoluene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
2-Chloronaphthalene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
2-Chlorophenol	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
2-Methylnaphthalene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
2-Methylphenol	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
2-Nitroaniline	ND	1.70		mg/Kg	1	2/24/2009 11:01:00 PM
2-Nitrophenol	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
3&4 Methylphenol	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
3,3'-Dichlorobenzidine	ND	0.659		mg/Kg	1	2/24/2009 11:01:00 PM
3-Nitroaniline	ND	1.70		mg/Kg	1	2/24/2009 11:01:00 PM
4,6-Dinitro-2-methylphenol	ND	1.70		mg/Kg	1	2/24/2009 11:01:00 PM
4-Bromophenyl phenyl ether	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
4-Chloro-3-methylphenol	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
4-Chloroaniline	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
4-Chlorophenyl phenyl ether	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
4-Nitroaniline	ND	0.659		mg/Kg	1	2/24/2009 11:01:00 PM
4-Nitrophenol	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Acenaphthene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Acenaphthylene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Anthracene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Benzo (a) anthracene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Benzo(a)pyrene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Benzo(b)fluoranthene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Benzo(g,h,i)perylene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp.

Collection Date: 1/30/2009 11:36:00 AM

Project: Detrex

Lab ID: 0902170-001

Matrix: SOLID

Client Sample ID DETWMW-2:12-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
Benzo(k)fluoranthene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Benzoic acid	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Benzyl alcohol	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Bis(2-chloroethoxy)methane	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Bis(2-chloroethyl) ether	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Bis(2-chloroisopropyl) ether	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Butyl benzyl phthalate	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Chrysene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Dibenz(a,h)anthracene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Dibenzofuran	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Diethyl phthalate	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Dimethyl phthalate	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Di-n-butyl phthalate	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Di-n-octyl phthalate	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Fluoranthene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Fluorene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Hexachlorobenzene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Hexachlorobutadiene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Hexachlorocyclopentadiene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Hexachloroethane	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Isophorone	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Naphthalene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Nitrobenzene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
N-Nitrosodi-n-propylamine	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
N-Nitrosodiphenylamine	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Pentachlorophenol	ND	1.70		mg/Kg	1	2/24/2009 11:01:00 PM
Phenanthrene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Phenol	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Pyrene	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Pyridine	ND	0.330		mg/Kg	1	2/24/2009 11:01:00 PM
Surr: 2,4,6-Tribromophenol	26.2	19-122		%REC	1	2/24/2009 11:01:00 PM
Surr: 2-Fluorobiphenyl	42.9	30-115		%REC	1	2/24/2009 11:01:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp. **Collection Date:** 1/30/2009 11:36:00 AM

Project: Detrex

Lab ID: 0902170-001 **Matrix:** SOLID

Client Sample ID DETWMW-2:12-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	38.2	25-121		%REC	1	2/24/2009 11:01:00 PM
Surr: Nitrobenzene-d5	29.1	23-120		%REC	1	2/24/2009 11:01:00 PM
Surr: Phenol-d6	44.0	24-113		%REC	1	2/24/2009 11:01:00 PM
Surr: Terphenyl-d14	28.0	18-137		%REC	1	2/24/2009 11:01:00 PM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
1,1,2,2-Tetrachloroethane	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
1,1,2-Trichloroethane	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
1,1-Dichloroethane	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
1,1-Dichloroethene	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
1,2-Dichloroethane	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
1,2-Dichloropropane	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
2-Hexanone	ND	152	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
4-Methyl-2-pentanone	ND	30.4	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Acetone	ND	152	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Benzene	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Bromodichloromethane	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Bromoform	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Bromomethane	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Carbon disulfide	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Carbon tetrachloride	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Chlorobenzene	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Chloroethane	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Chloroform	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Chloromethane	ND	15.2	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
cis-1,2-Dichloroethene	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
cis-1,3-Dichloropropene	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Dibromochloromethane	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Ethylbenzene	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
m,p-Xylene	ND	15.2	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Methyl ethyl ketone	ND	30.4	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Methylene chloride	ND	30.4	H	µg/Kg	1.52	2/18/2009 11:50:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp.

Collection Date: 1/30/2009 11:36:00 AM

Project: Detrex

Lab ID: 0902170-001

Matrix: SOLID

Client Sample ID DETWMW-2:12-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
o-Xylene	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Styrene	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Tetrachloroethene	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Toluene	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
trans-1,2-Dichloroethene	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
trans-1,3-Dichloropropene	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Trichloroethene	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Vinyl acetate	ND	15.2	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Vinyl chloride	ND	7.60	H	µg/Kg	1.52	2/18/2009 11:50:00 AM
Surr: 4-Bromofluorobenzene	77.5	64-115	H	%REC	1.52	2/18/2009 11:50:00 AM
Surr: Dibromofluoromethane	93.0	84-142	H	%REC	1.52	2/18/2009 11:50:00 AM
Surr: Toluene-d8	91.5	75-117	H	%REC	1.52	2/18/2009 11:50:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.
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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp.
Collection Date: 1/30/2009 1:31:00 PM
Project: Detrex
Lab ID: 0902170-002
Matrix: SOLID
Client Sample ID DETWMW-2:22-24

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
1,2,4-Trichlorobenzene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
1,2-Dichlorobenzene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
1,3-Dichlorobenzene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
1,4-Dichlorobenzene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
2,4,5-Trichlorophenol	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
2,4,6-Trichlorophenol	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
2,4-Dichlorophenol	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
2,4-Dimethylphenol	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
2,4-Dinitrophenol	ND	1.70		mg/Kg	1	2/24/2009 11:40:00 PM
2,4-Dinitrotoluene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
2,6-Dinitrotoluene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
2-Chloronaphthalene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
2-Chlorophenol	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
2-Methylnaphthalene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
2-Methylphenol	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
2-Nitroaniline	ND	1.70		mg/Kg	1	2/24/2009 11:40:00 PM
2-Nitrophenol	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
3&4 Methylphenol	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
3,3'-Dichlorobenzidine	ND	0.659		mg/Kg	1	2/24/2009 11:40:00 PM
3-Nitroaniline	ND	1.70		mg/Kg	1	2/24/2009 11:40:00 PM
4,6-Dinitro-2-methylphenol	ND	1.70		mg/Kg	1	2/24/2009 11:40:00 PM
4-Bromophenyl phenyl ether	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
4-Chloro-3-methylphenol	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
4-Chloroaniline	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
4-Chlorophenyl phenyl ether	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
4-Nitroaniline	ND	0.659		mg/Kg	1	2/24/2009 11:40:00 PM
4-Nitrophenol	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Acenaphthene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Acenaphthylene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Anthracene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Benzo (a) anthracene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Benzo(a)pyrene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Benzo(b)fluoranthene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Benzo(g,h,i)perylene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Website:
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Analytical Report

(consolidated)

WO#: 0902170

Date Reported: 2/25/2009

CLIENT: URS Corp. **Collection Date:** 1/30/2009 1:31:00 PM

Project: Detrex

Lab ID: 0902170-002 **Matrix:** SOLID

Client Sample ID DETWMW-2:22-24

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
Benzo(k)fluoranthene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Benzoic acid	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Benzyl alcohol	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Bis(2-chloroethoxy)methane	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Bis(2-chloroethyl) ether	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Bis(2-chloroisopropyl) ether	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Butyl benzyl phthalate	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Chrysene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Dibenz(a,h)anthracene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Dibenzofuran	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Diethyl phthalate	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Dimethyl phthalate	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Di-n-butyl phthalate	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Di-n-octyl phthalate	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Fluoranthene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Fluorene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Hexachlorobenzene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Hexachlorobutadiene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Hexachlorocyclopentadiene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Hexachloroethane	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Isophorone	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Naphthalene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Nitrobenzene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
N-Nitrosodi-n-propylamine	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
N-Nitrosodiphenylamine	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Pentachlorophenol	ND	1.70		mg/Kg	1	2/24/2009 11:40:00 PM
Phenanthrene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Phenol	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Pyrene	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Pyridine	ND	0.330		mg/Kg	1	2/24/2009 11:40:00 PM
Surr: 2,4,6-Tribromophenol	34.6	19-122		%REC	1	2/24/2009 11:40:00 PM
Surr: 2-Fluorobiphenyl	44.4	30-115		%REC	1	2/24/2009 11:40:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp. **Collection Date:** 1/30/2009 1:31:00 PM

Project: Detrex

Lab ID: 0902170-002 **Matrix:** SOLID

Client Sample ID DETWMW-2:22-24

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
Surr: 2-Fluorophenol	38.6	25-121		%REC	1	2/24/2009 11:40:00 PM
Surr: Nitrobenzene-d5	31.2	23-120		%REC	1	2/24/2009 11:40:00 PM
Surr: Phenol-d6	46.7	24-113		%REC	1	2/24/2009 11:40:00 PM
Surr: Terphenyl-d14	31.7	18-137		%REC	1	2/24/2009 11:40:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
1,1,2,2-Tetrachloroethane	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
1,1,2-Trichloroethane	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
1,1-Dichloroethane	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
1,1-Dichloroethene	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
1,2-Dichloroethane	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
1,2-Dichloropropane	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
2-Hexanone	ND	140	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
4-Methyl-2-pentanone	ND	28.0	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Acetone	ND	140	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Benzene	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Bromodichloromethane	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Bromoform	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Bromomethane	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Carbon disulfide	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Carbon tetrachloride	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Chlorobenzene	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Chloroethane	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Chloroform	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Chloromethane	ND	14.0	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
cis-1,2-Dichloroethene	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
cis-1,3-Dichloropropene	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Dibromochloromethane	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Ethylbenzene	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
m,p-Xylene	ND	14.0	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Methyl ethyl ketone	ND	28.0	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Methylene chloride	ND	28.0	H	µg/Kg	1.4	2/18/2009 12:15:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp.

Collection Date: 1/30/2009 1:31:00 PM

Project: Detrex

Lab ID: 0902170-002

Matrix: SOLID

Client Sample ID DETWMW-2:22-24

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Styrene	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Tetrachloroethene	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Toluene	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
trans-1,2-Dichloroethene	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
trans-1,3-Dichloropropene	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Trichloroethene	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Vinyl acetate	ND	14.0	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Vinyl chloride	ND	7.00	H	µg/Kg	1.4	2/18/2009 12:15:00 PM
Surr: 4-Bromofluorobenzene	80.5	64-115	H	%REC	1.4	2/18/2009 12:15:00 PM
Surr: Dibromofluoromethane	90.4	84-142	H	%REC	1.4	2/18/2009 12:15:00 PM
Surr: Toluene-d8	96.0	75-117	H	%REC	1.4	2/18/2009 12:15:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp.
Collection Date: 2/3/2009 11:00:00 AM
Project: Detrex
Lab ID: 0902170-003
Matrix: SOLID
Client Sample ID DETWMW-3:12-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
1,2,4-Trichlorobenzene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
1,2-Dichlorobenzene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
1,3-Dichlorobenzene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
1,4-Dichlorobenzene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
2,4,5-Trichlorophenol	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
2,4,6-Trichlorophenol	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
2,4-Dichlorophenol	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
2,4-Dimethylphenol	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
2,4-Dinitrophenol	ND	1.69		mg/Kg	1	2/25/2009 12:20:00 AM
2,4-Dinitrotoluene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
2,6-Dinitrotoluene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
2-Chloronaphthalene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
2-Chlorophenol	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
2-Methylnaphthalene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
2-Methylphenol	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
2-Nitroaniline	ND	1.69		mg/Kg	1	2/25/2009 12:20:00 AM
2-Nitrophenol	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
3&4 Methylphenol	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
3,3'-Dichlorobenzidine	ND	0.658		mg/Kg	1	2/25/2009 12:20:00 AM
3-Nitroaniline	ND	1.69		mg/Kg	1	2/25/2009 12:20:00 AM
4,6-Dinitro-2-methylphenol	ND	1.69		mg/Kg	1	2/25/2009 12:20:00 AM
4-Bromophenyl phenyl ether	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
4-Chloro-3-methylphenol	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
4-Chloroaniline	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
4-Chlorophenyl phenyl ether	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
4-Nitroaniline	ND	0.658		mg/Kg	1	2/25/2009 12:20:00 AM
4-Nitrophenol	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Acenaphthene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Acenaphthylene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Anthracene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Benzo (a) anthracene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Benzo(a)pyrene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Benzo(b)fluoranthene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Benzo(g,h,i)perylene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp.

Collection Date: 2/3/2009 11:00:00 AM

Project: Detrex

Lab ID: 0902170-003

Matrix: SOLID

Client Sample ID DETWMW-3:12-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
Benzo(k)fluoranthene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Benzoic acid	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Benzyl alcohol	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Bis(2-chloroethoxy)methane	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Bis(2-chloroethyl) ether	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Bis(2-chloroisopropyl) ether	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Bis(2-ethylhexyl) phthalate	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Butyl benzyl phthalate	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Chrysene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Dibenz(a,h)anthracene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Dibenzofuran	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Diethyl phthalate	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Dimethyl phthalate	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Di-n-butyl phthalate	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Di-n-octyl phthalate	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Fluoranthene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Fluorene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Hexachlorobenzene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Hexachlorobutadiene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Hexachlorocyclopentadiene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Hexachloroethane	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Isophorone	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Naphthalene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Nitrobenzene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
N-Nitrosodi-n-propylamine	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
N-Nitrosodiphenylamine	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Pentachlorophenol	ND	1.69		mg/Kg	1	2/25/2009 12:20:00 AM
Phenanthrene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Phenol	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Pyrene	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Pyridine	ND	0.329		mg/Kg	1	2/25/2009 12:20:00 AM
Surr: 2,4,6-Tribromophenol	56.3	19-122		%REC	1	2/25/2009 12:20:00 AM
Surr: 2-Fluorobiphenyl	46.5	30-115		%REC	1	2/25/2009 12:20:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.
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FAX: (216) 663-0656
Website:
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Analytical Report

(consolidated)

WO#: 0902170

Date Reported: 2/25/2009

CLIENT: URS Corp.
Collection Date: 2/3/2009 11:00:00 AM
Project: Detrex
Lab ID: 0902170-003
Matrix: SOLID
Client Sample ID DETWMW-3:12-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	43.0	25-121		%REC	1	2/25/2009 12:20:00 AM
Surr: Nitrobenzene-d5	32.0	23-120		%REC	1	2/25/2009 12:20:00 AM
Surr: Phenol-d6	51.2	24-113		%REC	1	2/25/2009 12:20:00 AM
Surr: Terphenyl-d14	36.6	18-137		%REC	1	2/25/2009 12:20:00 AM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
1,1,2,2-Tetrachloroethane	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
1,1,2-Trichloroethane	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
1,1-Dichloroethane	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
1,1-Dichloroethene	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
1,2-Dichloroethane	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
1,2-Dichloropropane	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
2-Hexanone	ND	160	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
4-Methyl-2-pentanone	ND	32.0	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Acetone	ND	160	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Benzene	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Bromodichloromethane	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Bromoform	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Bromomethane	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Carbon disulfide	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Carbon tetrachloride	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Chlorobenzene	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Chloroethane	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Chloroform	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Chloromethane	ND	16.0	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
cis-1,2-Dichloroethene	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
cis-1,3-Dichloropropene	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Dibromochloromethane	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Ethylbenzene	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
m,p-Xylene	ND	16.0	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Methyl ethyl ketone	ND	32.0	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Methylene chloride	ND	32.0	H	µg/Kg	1.6	2/18/2009 12:39:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp.

Collection Date: 2/3/2009 11:00:00 AM

Project: Detrex

Lab ID: 0902170-003

Matrix: SOLID

Client Sample ID DETWMW-3:12-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Styrene	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Tetrachloroethene	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Toluene	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
trans-1,2-Dichloroethene	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
trans-1,3-Dichloropropene	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Trichloroethene	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Vinyl acetate	ND	16.0	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Vinyl chloride	ND	8.00	H	µg/Kg	1.6	2/18/2009 12:39:00 PM
Surr: 4-Bromofluorobenzene	78.0	64-115	H	%REC	1.6	2/18/2009 12:39:00 PM
Surr: Dibromofluoromethane	91.0	84-142	H	%REC	1.6	2/18/2009 12:39:00 PM
Surr: Toluene-d8	94.3	75-117	H	%REC	1.6	2/18/2009 12:39:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp. **Collection Date:** 2/3/2009 1:50:00 PM

Project: Detrex

Lab ID: 0902170-004 **Matrix:** SOLID

Client Sample ID DETWMW-3:40-42

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
1,2,4-Trichlorobenzene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
1,2-Dichlorobenzene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
1,3-Dichlorobenzene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
1,4-Dichlorobenzene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
2,4,5-Trichlorophenol	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
2,4,6-Trichlorophenol	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
2,4-Dichlorophenol	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
2,4-Dimethylphenol	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
2,4-Dinitrophenol	ND	1.70		mg/Kg	1	2/25/2009 12:59:00 AM
2,4-Dinitrotoluene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
2,6-Dinitrotoluene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
2-Chloronaphthalene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
2-Chlorophenol	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
2-Methylnaphthalene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
2-Methylphenol	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
2-Nitroaniline	ND	1.70		mg/Kg	1	2/25/2009 12:59:00 AM
2-Nitrophenol	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
3&4 Methylphenol	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
3,3'-Dichlorobenzidine	ND	0.659		mg/Kg	1	2/25/2009 12:59:00 AM
3-Nitroaniline	ND	1.70		mg/Kg	1	2/25/2009 12:59:00 AM
4,6-Dinitro-2-methylphenol	ND	1.70		mg/Kg	1	2/25/2009 12:59:00 AM
4-Bromophenyl phenyl ether	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
4-Chloro-3-methylphenol	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
4-Chloroaniline	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
4-Chlorophenyl phenyl ether	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
4-Nitroaniline	ND	0.659		mg/Kg	1	2/25/2009 12:59:00 AM
4-Nitrophenol	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Acenaphthene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Acenaphthylene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Anthracene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Benzo (a) anthracene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Benzo(a)pyrene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Benzo(b)fluoranthene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Benzo(g,h,i)perylene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp.

Collection Date: 2/3/2009 1:50:00 PM

Project: Detrex

Lab ID: 0902170-004

Matrix: SOLID

Client Sample ID DETWMW-3:40-42

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Benzoic acid	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Benzyl alcohol	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Bis(2-chloroethoxy)methane	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Bis(2-chloroethyl) ether	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Bis(2-chloroisopropyl) ether	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Bis(2-ethylhexyl) phthalate	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Butyl benzyl phthalate	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Chrysene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Dibenz(a,h)anthracene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Dibenzofuran	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Diethyl phthalate	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Dimethyl phthalate	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Di-n-butyl phthalate	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Di-n-octyl phthalate	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Fluoranthene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Fluorene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Hexachlorobenzene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Hexachlorobutadiene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Hexachlorocyclopentadiene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Hexachloroethane	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Isophorone	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Naphthalene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Nitrobenzene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
N-Nitrosodi-n-propylamine	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
N-Nitrosodiphenylamine	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Pentachlorophenol	ND	1.70		mg/Kg	1	2/25/2009 12:59:00 AM
Phenanthrene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Phenol	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Pyrene	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Pyridine	ND	0.330		mg/Kg	1	2/25/2009 12:59:00 AM
Surr: 2,4,6-Tribromophenol	30.1	19-122		%REC	1	2/25/2009 12:59:00 AM
Surr: 2-Fluorobiphenyl	42.1	30-115		%REC	1	2/25/2009 12:59:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp. **Collection Date:** 2/3/2009 1:50:00 PM

Project: Detrex

Lab ID: 0902170-004 **Matrix:** SOLID

Client Sample ID DETWMW-3:40-42

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	39.0	25-121		%REC	1	2/25/2009 12:59:00 AM
Surr: Nitrobenzene-d5	29.2	23-120		%REC	1	2/25/2009 12:59:00 AM
Surr: Phenol-d6	45.1	24-113		%REC	1	2/25/2009 12:59:00 AM
Surr: Terphenyl-d14	30.8	18-137		%REC	1	2/25/2009 12:59:00 AM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
1,1,2,2-Tetrachloroethane	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
1,1,2-Trichloroethane	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
1,1-Dichloroethane	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
1,1-Dichloroethene	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
1,2-Dichloroethane	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
1,2-Dichloropropane	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
2-Hexanone	ND	137	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
4-Methyl-2-pentanone	ND	27.4	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Acetone	ND	137	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Benzene	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Bromodichloromethane	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Bromoform	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Bromomethane	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Carbon disulfide	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Carbon tetrachloride	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Chlorobenzene	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Chloroethane	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Chloroform	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Chloromethane	ND	13.7	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
cis-1,2-Dichloroethene	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
cis-1,3-Dichloropropene	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Dibromochloromethane	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Ethylbenzene	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
m,p-Xylene	ND	13.7	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Methyl ethyl ketone	ND	27.4	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Methylene chloride	29.5	27.4	H	µg/Kg	1.37	2/18/2009 1:04:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp.
Collection Date: 2/3/2009 1:50:00 PM
Project: Detrex
Lab ID: 0902170-004
Matrix: SOLID
Client Sample ID DETWMW-3:40-42

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Styrene	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Tetrachloroethene	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Toluene	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
trans-1,2-Dichloroethene	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
trans-1,3-Dichloropropene	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Trichloroethene	11.3	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Vinyl acetate	ND	13.7	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Vinyl chloride	ND	6.85	H	µg/Kg	1.37	2/18/2009 1:04:00 PM
Surr: 4-Bromofluorobenzene	77.9	64-115	H	%REC	1.37	2/18/2009 1:04:00 PM
Surr: Dibromofluoromethane	93.9	84-142	H	%REC	1.37	2/18/2009 1:04:00 PM
Surr: Toluene-d8	92.9	75-117	H	%REC	1.37	2/18/2009 1:04:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.
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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp.
Collection Date: 2/4/2009 2:50:00 PM
Project: Detrex
Lab ID: 0902170-005
Matrix: SOLID
Client Sample ID DETWSB-3:17-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
1,2,4-Trichlorobenzene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
1,2-Dichlorobenzene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
1,3-Dichlorobenzene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
1,4-Dichlorobenzene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
2,4,5-Trichlorophenol	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
2,4,6-Trichlorophenol	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
2,4-Dichlorophenol	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
2,4-Dimethylphenol	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
2,4-Dinitrophenol	ND	1.70		mg/Kg	1	2/25/2009 1:39:00 AM
2,4-Dinitrotoluene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
2,6-Dinitrotoluene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
2-Chloronaphthalene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
2-Chlorophenol	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
2-Methylnaphthalene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
2-Methylphenol	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
2-Nitroaniline	ND	1.70		mg/Kg	1	2/25/2009 1:39:00 AM
2-Nitrophenol	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
3&4 Methylphenol	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
3,3'-Dichlorobenzidine	ND	0.660		mg/Kg	1	2/25/2009 1:39:00 AM
3-Nitroaniline	ND	1.70		mg/Kg	1	2/25/2009 1:39:00 AM
4,6-Dinitro-2-methylphenol	ND	1.70		mg/Kg	1	2/25/2009 1:39:00 AM
4-Bromophenyl phenyl ether	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
4-Chloro-3-methylphenol	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
4-Chloroaniline	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
4-Chlorophenyl phenyl ether	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
4-Nitroaniline	ND	0.660		mg/Kg	1	2/25/2009 1:39:00 AM
4-Nitrophenol	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Acenaphthene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Acenaphthylene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Anthracene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Benzo (a) anthracene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Benzo(a)pyrene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Benzo(b)fluoranthene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Benzo(g,h,i)perylene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 0902170

Date Reported: 2/25/2009

CLIENT: URS Corp.
Collection Date: 2/4/2009 2:50:00 PM
Project: Detrex
Lab ID: 0902170-005
Matrix: SOLID
Client Sample ID DETWSB-3:17-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
Benzo(k)fluoranthene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Benzoic acid	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Benzyl alcohol	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Bis(2-chloroethoxy)methane	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Bis(2-chloroethyl) ether	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Bis(2-chloroisopropyl) ether	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Bis(2-ethylhexyl) phthalate	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Butyl benzyl phthalate	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Chrysene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Dibenz(a,h)anthracene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Dibenzofuran	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Diethyl phthalate	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Dimethyl phthalate	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Di-n-butyl phthalate	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Di-n-octyl phthalate	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Fluoranthene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Fluorene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Hexachlorobenzene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Hexachlorobutadiene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Hexachlorocyclopentadiene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Hexachloroethane	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Isophorone	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Naphthalene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Nitrobenzene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
N-Nitrosodi-n-propylamine	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
N-Nitrosodiphenylamine	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Pentachlorophenol	ND	1.70		mg/Kg	1	2/25/2009 1:39:00 AM
Phenanthrene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Phenol	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Pyrene	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Pyridine	ND	0.330		mg/Kg	1	2/25/2009 1:39:00 AM
Surr: 2,4,6-Tribromophenol	33.4	19-122		%REC	1	2/25/2009 1:39:00 AM
Surr: 2-Fluorobiphenyl	45.6	30-115		%REC	1	2/25/2009 1:39:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp.

Collection Date: 2/4/2009 2:50:00 PM

Project: Detrex

Lab ID: 0902170-005

Matrix: SOLID

Client Sample ID DETWSB-3:17-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	38.4	25-121		%REC	1	2/25/2009 1:39:00 AM
Surr: Nitrobenzene-d5	31.9	23-120		%REC	1	2/25/2009 1:39:00 AM
Surr: Phenol-d6	46.7	24-113		%REC	1	2/25/2009 1:39:00 AM
Surr: Terphenyl-d14	30.8	18-137		%REC	1	2/25/2009 1:39:00 AM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
1,1,2,2-Tetrachloroethane	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
1,1,2-Trichloroethane	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
1,1-Dichloroethane	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
1,1-Dichloroethene	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
1,2-Dichloroethane	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
1,2-Dichloropropane	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
2-Hexanone	ND	150		µg/Kg	1.5	2/18/2009 1:29:00 PM
4-Methyl-2-pentanone	ND	30.0		µg/Kg	1.5	2/18/2009 1:29:00 PM
Acetone	ND	150		µg/Kg	1.5	2/18/2009 1:29:00 PM
Benzene	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
Bromodichloromethane	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
Bromoform	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
Bromomethane	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
Carbon disulfide	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
Carbon tetrachloride	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
Chlorobenzene	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
Chloroethane	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
Chloroform	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
Chloromethane	ND	15.0		µg/Kg	1.5	2/18/2009 1:29:00 PM
cis-1,2-Dichloroethene	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
cis-1,3-Dichloropropene	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
Dibromochloromethane	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
Ethylbenzene	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
m,p-Xylene	ND	15.0		µg/Kg	1.5	2/18/2009 1:29:00 PM
Methyl ethyl ketone	ND	30.0		µg/Kg	1.5	2/18/2009 1:29:00 PM
Methylene chloride	ND	30.0		µg/Kg	1.5	2/18/2009 1:29:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp.
Collection Date: 2/4/2009 2:50:00 PM
Project: Detrex
Lab ID: 0902170-005
Matrix: SOLID
Client Sample ID DETWSB-3:17-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
o-Xylene	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
Styrene	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
Tetrachloroethene	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
Toluene	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
trans-1,2-Dichloroethene	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
trans-1,3-Dichloropropene	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
Trichloroethene	16.2	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
Vinyl acetate	ND	15.0		µg/Kg	1.5	2/18/2009 1:29:00 PM
Vinyl chloride	ND	7.50		µg/Kg	1.5	2/18/2009 1:29:00 PM
Surr: 4-Bromofluorobenzene	85.1	64-115		%REC	1.5	2/18/2009 1:29:00 PM
Surr: Dibromofluoromethane	90.3	84-142		%REC	1.5	2/18/2009 1:29:00 PM
Surr: Toluene-d8	95.9	75-117		%REC	1.5	2/18/2009 1:29:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 0902170

Date Reported: 2/25/2009

CLIENT: URS Corp.

Collection Date: 2/4/2009 4:57:00 PM

Project: Detrex

Lab ID: 0902170-006

Matrix: SOLID

Client Sample ID DETWSB-3:42-44

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
1,2,4-Trichlorobenzene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
1,2-Dichlorobenzene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
1,3-Dichlorobenzene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
1,4-Dichlorobenzene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
2,4,5-Trichlorophenol	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
2,4,6-Trichlorophenol	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
2,4-Dichlorophenol	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
2,4-Dimethylphenol	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
2,4-Dinitrophenol	ND	1.69		mg/Kg	1	2/24/2009 10:21:00 PM
2,4-Dinitrotoluene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
2,6-Dinitrotoluene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
2-Chloronaphthalene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
2-Chlorophenol	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
2-Methylnaphthalene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
2-Methylphenol	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
2-Nitroaniline	ND	1.69		mg/Kg	1	2/24/2009 10:21:00 PM
2-Nitrophenol	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
3&4 Methylphenol	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
3,3'-Dichlorobenzidine	ND	0.657		mg/Kg	1	2/24/2009 10:21:00 PM
3-Nitroaniline	ND	1.69		mg/Kg	1	2/24/2009 10:21:00 PM
4,6-Dinitro-2-methylphenol	ND	1.69		mg/Kg	1	2/24/2009 10:21:00 PM
4-Bromophenyl phenyl ether	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
4-Chloro-3-methylphenol	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
4-Chloroaniline	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
4-Chlorophenyl phenyl ether	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
4-Nitroaniline	ND	0.657		mg/Kg	1	2/24/2009 10:21:00 PM
4-Nitrophenol	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Acenaphthene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Acenaphthylene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Anthracene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Benzo (a) anthracene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Benzo(a)pyrene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Benzo(b)fluoranthene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Benzo(g,h,i)perylene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp. **Collection Date:** 2/4/2009 4:57:00 PM

Project: Detrex

Lab ID: 0902170-006 **Matrix:** SOLID

Client Sample ID DETWSB-3:42-44

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Benzoic acid	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Benzyl alcohol	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Bis(2-chloroethoxy)methane	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Bis(2-chloroethyl) ether	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Bis(2-chloroisopropyl) ether	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Butyl benzyl phthalate	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Chrysene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Dibenz(a,h)anthracene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Dibenzofuran	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Diethyl phthalate	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Dimethyl phthalate	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Di-n-butyl phthalate	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Di-n-octyl phthalate	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Fluoranthene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Fluorene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Hexachlorobenzene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Hexachlorobutadiene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Hexachlorocyclopentadiene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Hexachloroethane	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Isophorone	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Naphthalene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Nitrobenzene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
N-Nitrosodi-n-propylamine	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
N-Nitrosodiphenylamine	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Pentachlorophenol	ND	1.69		mg/Kg	1	2/24/2009 10:21:00 PM
Phenanthrene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Phenol	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Pyrene	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Pyridine	ND	0.329		mg/Kg	1	2/24/2009 10:21:00 PM
Surr: 2,4,6-Tribromophenol	30.1	19-122		%REC	1	2/24/2009 10:21:00 PM
Surr: 2-Fluorobiphenyl	49.4	30-115		%REC	1	2/24/2009 10:21:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp. **Collection Date:** 2/4/2009 4:57:00 PM

Project: Detrex

Lab ID: 0902170-006 **Matrix:** SOLID

Client Sample ID DETWSB-3:42-44

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
Surr: 2-Fluorophenol	41.0	25-121		%REC	1	2/24/2009 10:21:00 PM
Surr: Nitrobenzene-d5	37.0	23-120		%REC	1	2/24/2009 10:21:00 PM
Surr: Phenol-d6	51.3	24-113		%REC	1	2/24/2009 10:21:00 PM
Surr: Terphenyl-d14	36.3	18-137		%REC	1	2/24/2009 10:21:00 PM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
1,1,2,2-Tetrachloroethane	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
1,1,2-Trichloroethane	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
1,1-Dichloroethane	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
1,1-Dichloroethene	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
1,2-Dichloroethane	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
1,2-Dichloropropane	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
2-Hexanone	ND	138		µg/Kg	1.38	2/18/2009 1:54:00 PM
4-Methyl-2-pentanone	ND	27.6		µg/Kg	1.38	2/18/2009 1:54:00 PM
Acetone	ND	138		µg/Kg	1.38	2/18/2009 1:54:00 PM
Benzene	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
Bromodichloromethane	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
Bromoform	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
Bromomethane	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
Carbon disulfide	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
Carbon tetrachloride	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
Chlorobenzene	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
Chloroethane	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
Chloroform	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
Chloromethane	ND	13.8		µg/Kg	1.38	2/18/2009 1:54:00 PM
cis-1,2-Dichloroethene	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
cis-1,3-Dichloropropene	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
Dibromochloromethane	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
Ethylbenzene	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
m,p-Xylene	ND	13.8		µg/Kg	1.38	2/18/2009 1:54:00 PM
Methyl ethyl ketone	ND	27.6		µg/Kg	1.38	2/18/2009 1:54:00 PM
Methylene chloride	ND	27.6		µg/Kg	1.38	2/18/2009 1:54:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Website:
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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp.

Collection Date: 2/4/2009 4:57:00 PM

Project: Detrex

Lab ID: 0902170-006

Matrix: SOLID

Client Sample ID DETWSB-3:42-44

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
Styrene	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
Tetrachloroethene	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
Toluene	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
trans-1,2-Dichloroethene	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
trans-1,3-Dichloropropene	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
Trichloroethene	14.9	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
Vinyl acetate	ND	13.8		µg/Kg	1.38	2/18/2009 1:54:00 PM
Vinyl chloride	ND	6.90		µg/Kg	1.38	2/18/2009 1:54:00 PM
Surr: 4-Bromofluorobenzene	75.1	64-115		%REC	1.38	2/18/2009 1:54:00 PM
Surr: Dibromofluoromethane	93.9	84-142		%REC	1.38	2/18/2009 1:54:00 PM
Surr: Toluene-d8	92.6	75-117		%REC	1.38	2/18/2009 1:54:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp.

Collection Date: 2/5/2009 10:56:00 AM

Project: Detrex

Lab ID: 0902170-007

Matrix: SOLID

Client Sample ID DETWMW-4:10-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
1,2,4-Trichlorobenzene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
1,2-Dichlorobenzene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
1,3-Dichlorobenzene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
1,4-Dichlorobenzene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
2,4,5-Trichlorophenol	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
2,4,6-Trichlorophenol	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
2,4-Dichlorophenol	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
2,4-Dimethylphenol	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
2,4-Dinitrophenol	ND	1.70		mg/Kg	1	2/25/2009 2:19:00 AM
2,4-Dinitrotoluene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
2,6-Dinitrotoluene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
2-Chloronaphthalene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
2-Chlorophenol	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
2-Methylnaphthalene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
2-Methylphenol	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
2-Nitroaniline	ND	1.70		mg/Kg	1	2/25/2009 2:19:00 AM
2-Nitrophenol	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
3&4 Methylphenol	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
3,3'-Dichlorobenzidine	ND	0.660		mg/Kg	1	2/25/2009 2:19:00 AM
3-Nitroaniline	ND	1.70		mg/Kg	1	2/25/2009 2:19:00 AM
4,6-Dinitro-2-methylphenol	ND	1.70		mg/Kg	1	2/25/2009 2:19:00 AM
4-Bromophenyl phenyl ether	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
4-Chloro-3-methylphenol	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
4-Chloroaniline	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
4-Chlorophenyl phenyl ether	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
4-Nitroaniline	ND	0.660		mg/Kg	1	2/25/2009 2:19:00 AM
4-Nitrophenol	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Acenaphthene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Acenaphthylene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Anthracene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Benzo (a) anthracene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Benzo(a)pyrene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Benzo(b)fluoranthene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Benzo(g,h,i)perylene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM

Qualifiers:

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Analytical Report

(consolidated)

WO#: 0902170

Date Reported: 2/25/2009

CLIENT: URS Corp.
Collection Date: 2/5/2009 10:56:00 AM
Project: Detrex
Lab ID: 0902170-007
Matrix: SOLID
Client Sample ID DETWMW-4:10-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Benzoic acid	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Benzyl alcohol	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Bis(2-chloroethoxy)methane	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Bis(2-chloroethyl) ether	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Bis(2-chloroisopropyl) ether	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Bis(2-ethylhexyl) phthalate	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Butyl benzyl phthalate	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Chrysene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Dibenz(a,h)anthracene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Dibenzofuran	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Diethyl phthalate	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Dimethyl phthalate	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Di-n-butyl phthalate	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Di-n-octyl phthalate	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Fluoranthene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Fluorene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Hexachlorobenzene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Hexachlorobutadiene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Hexachlorocyclopentadiene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Hexachloroethane	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Isophorone	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Naphthalene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Nitrobenzene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
N-Nitrosodi-n-propylamine	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
N-Nitrosodiphenylamine	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Pentachlorophenol	ND	1.70		mg/Kg	1	2/25/2009 2:19:00 AM
Phenanthrene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Phenol	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Pyrene	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Pyridine	ND	0.330		mg/Kg	1	2/25/2009 2:19:00 AM
Surr: 2,4,6-Tribromophenol	27.5	19-122		%REC	1	2/25/2009 2:19:00 AM
Surr: 2-Fluorobiphenyl	31.3	30-115		%REC	1	2/25/2009 2:19:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp.

Collection Date: 2/5/2009 10:56:00 AM

Project: Detrex

Lab ID: 0902170-007

Matrix: SOLID

Client Sample ID DETWMW-4:10-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
Surr: 2-Fluorophenol	18.9	25-121	S	%REC	1	2/25/2009 2:19:00 AM
Surr: Nitrobenzene-d5	17.2	23-120	S	%REC	1	2/25/2009 2:19:00 AM
Surr: Phenol-d6	24.8	24-113		%REC	1	2/25/2009 2:19:00 AM
Surr: Terphenyl-d14	26.4	18-137		%REC	1	2/25/2009 2:19:00 AM
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
1,1,2,2-Tetrachloroethane	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
1,1,2-Trichloroethane	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
1,1-Dichloroethane	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
1,1-Dichloroethene	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
1,2-Dichloroethane	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
1,2-Dichloropropane	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
2-Hexanone	ND	178		µg/Kg	1.78	2/18/2009 2:43:00 PM
4-Methyl-2-pentanone	ND	35.6		µg/Kg	1.78	2/18/2009 2:43:00 PM
Acetone	ND	178		µg/Kg	1.78	2/18/2009 2:43:00 PM
Benzene	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
Bromodichloromethane	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
Bromoform	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
Bromomethane	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
Carbon disulfide	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
Carbon tetrachloride	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
Chlorobenzene	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
Chloroethane	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
Chloroform	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
Chloromethane	ND	17.8		µg/Kg	1.78	2/18/2009 2:43:00 PM
cis-1,2-Dichloroethene	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
cis-1,3-Dichloropropene	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
Dibromochloromethane	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
Ethylbenzene	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
m,p-Xylene	ND	17.8		µg/Kg	1.78	2/18/2009 2:43:00 PM
Methyl ethyl ketone	ND	35.6		µg/Kg	1.78	2/18/2009 2:43:00 PM
Methylene chloride	ND	35.6		µg/Kg	1.78	2/18/2009 2:43:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp. **Collection Date:** 2/5/2009 10:56:00 AM

Project: Detrex

Lab ID: 0902170-007 **Matrix:** SOLID

Client Sample ID DETWMW-4:10-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
o-Xylene	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
Styrene	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
Tetrachloroethene	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
Toluene	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
trans-1,2-Dichloroethene	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
trans-1,3-Dichloropropene	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
Trichloroethene	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
Vinyl acetate	ND	17.8		µg/Kg	1.78	2/18/2009 2:43:00 PM
Vinyl chloride	ND	8.90		µg/Kg	1.78	2/18/2009 2:43:00 PM
Surr: 4-Bromofluorobenzene	87.3	64-115		%REC	1.78	2/18/2009 2:43:00 PM
Surr: Dibromofluoromethane	88.0	84-142		%REC	1.78	2/18/2009 2:43:00 PM
Surr: Toluene-d8	97.7	75-117		%REC	1.78	2/18/2009 2:43:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: 0902170

Date Reported: 2/25/2009

CLIENT: URS Corp. **Collection Date:** 2/5/2009 11:28:00 AM

Project: Detrex

Lab ID: 0902170-008 **Matrix:** SOLID

Client Sample ID DETWMW-4:18-20

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
1,2,4-Trichlorobenzene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
1,2-Dichlorobenzene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
1,3-Dichlorobenzene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
1,4-Dichlorobenzene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
2,4,5-Trichlorophenol	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
2,4,6-Trichlorophenol	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
2,4-Dichlorophenol	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
2,4-Dimethylphenol	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
2,4-Dinitrophenol	ND	1.70		mg/Kg	1	2/25/2009 2:58:00 AM
2,4-Dinitrotoluene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
2,6-Dinitrotoluene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
2-Chloronaphthalene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
2-Chlorophenol	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
2-Methylnaphthalene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
2-Methylphenol	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
2-Nitroaniline	ND	1.70		mg/Kg	1	2/25/2009 2:58:00 AM
2-Nitrophenol	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
3&4 Methylphenol	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
3,3'-Dichlorobenzidine	ND	0.658		mg/Kg	1	2/25/2009 2:58:00 AM
3-Nitroaniline	ND	1.70		mg/Kg	1	2/25/2009 2:58:00 AM
4,6-Dinitro-2-methylphenol	ND	1.70		mg/Kg	1	2/25/2009 2:58:00 AM
4-Bromophenyl phenyl ether	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
4-Chloro-3-methylphenol	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
4-Chloroaniline	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
4-Chlorophenyl phenyl ether	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
4-Nitroaniline	ND	0.658		mg/Kg	1	2/25/2009 2:58:00 AM
4-Nitrophenol	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Acenaphthene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Acenaphthylene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Anthracene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Benzo (a) anthracene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Benzo(a)pyrene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Benzo(b)fluoranthene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Benzo(g,h,i)perylene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
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TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: 0902170

Date Reported: 2/25/2009

CLIENT: URS Corp. **Collection Date:** 2/5/2009 11:28:00 AM

Project: Detrex

Lab ID: 0902170-008 **Matrix:** SOLID

Client Sample ID DETWMW-4:18-20

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
Benzo(k)fluoranthene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Benzoic acid	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Benzyl alcohol	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Bis(2-chloroethoxy)methane	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Bis(2-chloroethyl) ether	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Bis(2-chloroisopropyl) ether	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Bis(2-ethylhexyl) phthalate	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Butyl benzyl phthalate	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Chrysene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Dibenz(a,h)anthracene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Dibenzofuran	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Diethyl phthalate	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Dimethyl phthalate	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Di-n-butyl phthalate	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Di-n-octyl phthalate	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Fluoranthene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Fluorene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Hexachlorobenzene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Hexachlorobutadiene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Hexachlorocyclopentadiene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Hexachloroethane	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Isophorone	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Naphthalene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Nitrobenzene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
N-Nitrosodi-n-propylamine	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
N-Nitrosodiphenylamine	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Pentachlorophenol	ND	1.70		mg/Kg	1	2/25/2009 2:58:00 AM
Phenanthrene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Phenol	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Pyrene	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Pyridine	ND	0.329		mg/Kg	1	2/25/2009 2:58:00 AM
Surr: 2,4,6-Tribromophenol	35.4	19-122		%REC	1	2/25/2009 2:58:00 AM
Surr: 2-Fluorobiphenyl	38.4	30-115		%REC	1	2/25/2009 2:58:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp. **Collection Date:** 2/5/2009 11:28:00 AM

Project: Detrex

Lab ID: 0902170-008 **Matrix:** SOLID

Client Sample ID DETWMW-4:18-20

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	30.3	25-121		%REC	1	2/25/2009 2:58:00 AM
Surr: Nitrobenzene-d5	24.1	23-120		%REC	1	2/25/2009 2:58:00 AM
Surr: Phenol-d6	37.2	24-113		%REC	1	2/25/2009 2:58:00 AM
Surr: Terphenyl-d14	28.2	18-137		%REC	1	2/25/2009 2:58:00 AM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
1,1,2,2-Tetrachloroethane	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
1,1,2-Trichloroethane	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
1,1-Dichloroethane	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
1,1-Dichloroethene	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
1,2-Dichloroethane	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
1,2-Dichloropropane	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
2-Hexanone	ND	140		µg/Kg	1.4	2/18/2009 2:18:00 PM
4-Methyl-2-pentanone	ND	28.0		µg/Kg	1.4	2/18/2009 2:18:00 PM
Acetone	ND	140		µg/Kg	1.4	2/18/2009 2:18:00 PM
Benzene	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
Bromodichloromethane	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
Bromoform	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
Bromomethane	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
Carbon disulfide	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
Carbon tetrachloride	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
Chlorobenzene	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
Chloroethane	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
Chloroform	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
Chloromethane	ND	14.0		µg/Kg	1.4	2/18/2009 2:18:00 PM
cis-1,2-Dichloroethene	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
cis-1,3-Dichloropropene	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
Dibromochloromethane	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
Ethylbenzene	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
m,p-Xylene	ND	14.0		µg/Kg	1.4	2/18/2009 2:18:00 PM
Methyl ethyl ketone	ND	28.0		µg/Kg	1.4	2/18/2009 2:18:00 PM
Methylene chloride	ND	28.0		µg/Kg	1.4	2/18/2009 2:18:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
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Analytical Report

(consolidated)

WO#: **0902170**

Date Reported: **2/25/2009**

CLIENT: URS Corp.

Collection Date: 2/5/2009 11:28:00 AM

Project: Detrex

Lab ID: 0902170-008

Matrix: SOLID

Client Sample ID DETWMW-4:18-20

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
Styrene	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
Tetrachloroethene	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
Toluene	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
trans-1,2-Dichloroethene	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
trans-1,3-Dichloropropene	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
Trichloroethene	12.2	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
Vinyl acetate	ND	14.0		µg/Kg	1.4	2/18/2009 2:18:00 PM
Vinyl chloride	ND	7.00		µg/Kg	1.4	2/18/2009 2:18:00 PM
Surr: 4-Bromofluorobenzene	77.1	64-115		%REC	1.4	2/18/2009 2:18:00 PM
Surr: Dibromofluoromethane	91.2	84-142		%REC	1.4	2/18/2009 2:18:00 PM
Surr: Toluene-d8	93.8	75-117		%REC	1.4	2/18/2009 2:18:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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February 27, 2009

Martin Schmidt
URS Corp.
1375 Euclid Avenue
Cleveland, OH 44115

TEL: (216) 622-2400
FAX: (216) 622-2464

RE: Detrex

Order No.: 0902309

Dear Martin Schmidt:

Precision Analytical, Inc. received 4 sample(s) on 2/12/2009 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in an attached Case Narrative. Quality control data is within laboratory defined or method specified acceptance limits except if noted.

Solid samples are reported in ug/Kg or mg/Kg as received, unless specified in the units as dry weight. Unless otherwise noted, results have not been background or blank corrected.

If you have any questions regarding these tests results, please feel free to call.

Certifications: Ohio EPA - 4041; NELAC NY - 11167; NELAC PA - 68-00434;
NELAC IL - 001922; W.Va DEP - 245; KY UST - 69

Sincerely,

Scott Bolam

Scott Bolam
QA/QC Manager

PRECISION ANALYTICAL, INC.

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Cleveland, OH 44128
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Case Narrative

WO#: **0902309**

Date: **2/27/2009**

CLIENT: URS Corp.
Project: Detrex

QC Exceptions:

Semi-Volatiles

Pentachlorophenol was low in the batch MS/MSD; batch accepted based on good recovery of pentachlorophenol in the LCS/LCS Dup.

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Analytical Report

(consolidated)

WO#: **0902309**

Date Reported: **2/27/2009**

CLIENT: URS Corp. **Collection Date:** 2/6/2009 10:30:00 AM

Project: Detrex

Lab ID: 0902309-001 **Matrix:** SOLID

Client Sample ID DETWSB-4: 18-20

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
1,2-Dichlorobenzene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
1,3-Dichlorobenzene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
1,4-Dichlorobenzene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
2,4,5-Trichlorophenol	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
2,4,6-Trichlorophenol	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
2,4-Dichlorophenol	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
2,4-Dimethylphenol	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
2,4-Dinitrophenol	ND	1.70		mg/Kg	1	2/26/2009 5:10:00 PM
2,4-Dinitrotoluene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
2,6-Dinitrotoluene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
2-Chloronaphthalene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
2-Chlorophenol	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
2-Methylnaphthalene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
2-Methylphenol	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
2-Nitroaniline	ND	1.70		mg/Kg	1	2/26/2009 5:10:00 PM
2-Nitrophenol	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
3&4 Methylphenol	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
3,3'-Dichlorobenzidine	ND	0.660		mg/Kg	1	2/26/2009 5:10:00 PM
3-Nitroaniline	ND	1.70		mg/Kg	1	2/26/2009 5:10:00 PM
4,6-Dinitro-2-methylphenol	ND	1.70		mg/Kg	1	2/26/2009 5:10:00 PM
4-Bromophenyl phenyl ether	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
4-Chloro-3-methylphenol	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
4-Chloroaniline	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
4-Chlorophenyl phenyl ether	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
4-Nitroaniline	ND	0.660		mg/Kg	1	2/26/2009 5:10:00 PM
4-Nitrophenol	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Acenaphthene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Acenaphthylene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Anthracene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Benzo (a) anthracene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Benzo(a)pyrene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Benzo(b)fluoranthene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Benzo(g,h,i)perylene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0902309**

Date Reported: **2/27/2009**

CLIENT: URS Corp. **Collection Date:** 2/6/2009 10:30:00 AM

Project: Detrex

Lab ID: 0902309-001 **Matrix:** SOLID

Client Sample ID DETWSB-4: 18-20

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Benzoic acid	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Benzyl alcohol	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Bis(2-chloroethoxy)methane	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Bis(2-chloroethyl) ether	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Bis(2-chloroisopropyl) ether	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Butyl benzyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Chrysene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Dibenz(a,h)anthracene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Dibenzofuran	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Diethyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Dimethyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Di-n-butyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Di-n-octyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Fluoranthene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Fluorene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Hexachlorobenzene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Hexachlorobutadiene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Hexachlorocyclopentadiene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Hexachloroethane	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Isophorone	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Naphthalene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Nitrobenzene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
N-Nitrosodi-n-propylamine	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
N-Nitrosodiphenylamine	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Pentachlorophenol	ND	1.70		mg/Kg	1	2/26/2009 5:10:00 PM
Phenanthrene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Phenol	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Pyrene	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Pyridine	ND	0.330		mg/Kg	1	2/26/2009 5:10:00 PM
Surr: 2,4,6-Tribromophenol	36.0	19-122		%REC	1	2/26/2009 5:10:00 PM
Surr: 2-Fluorobiphenyl	44.9	30-115		%REC	1	2/26/2009 5:10:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
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Analytical Report

(consolidated)

WO#: **0902309**

Date Reported: **2/27/2009**

CLIENT: URS Corp. **Collection Date:** 2/6/2009 10:30:00 AM

Project: Detrex

Lab ID: 0902309-001 **Matrix:** SOLID

Client Sample ID DETWSB-4: 18-20

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	33.3	25-121		%REC	1	2/26/2009 5:10:00 PM
Surr: Nitrobenzene-d5	38.1	23-120		%REC	1	2/26/2009 5:10:00 PM
Surr: Phenol-d6	35.6	24-113		%REC	1	2/26/2009 5:10:00 PM
Surr: Terphenyl-d14	42.0	18-137		%REC	1	2/26/2009 5:10:00 PM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
1,1,2,2-Tetrachloroethane	57.6	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
1,1,2-Trichloroethane	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
1,1-Dichloroethane	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
1,1-Dichloroethene	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
1,2-Dichloroethane	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
1,2-Dichloropropane	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
2-Hexanone	ND	150		µg/Kg	1.5	2/13/2009 9:12:00 PM
4-Methyl-2-pentanone	ND	30.0		µg/Kg	1.5	2/13/2009 9:12:00 PM
Acetone	ND	150		µg/Kg	1.5	2/13/2009 9:12:00 PM
Benzene	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
Bromodichloromethane	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
Bromoform	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
Bromomethane	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
Carbon disulfide	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
Carbon tetrachloride	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
Chlorobenzene	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
Chloroethane	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
Chloroform	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
Chloromethane	ND	15.0		µg/Kg	1.5	2/13/2009 9:12:00 PM
cis-1,2-Dichloroethene	14.6	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
cis-1,3-Dichloropropene	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
Dibromochloromethane	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
Ethylbenzene	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
m,p-Xylene	ND	15.0		µg/Kg	1.5	2/13/2009 9:12:00 PM
Methyl ethyl ketone	ND	30.0		µg/Kg	1.5	2/13/2009 9:12:00 PM
Methylene chloride	ND	30.0		µg/Kg	1.5	2/13/2009 9:12:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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FAX: (216) 663-0656
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Analytical Report

(consolidated)

WO#: **0902309**

Date Reported: **2/27/2009**

CLIENT: URS Corp. **Collection Date:** 2/6/2009 10:30:00 AM

Project: Detrex

Lab ID: 0902309-001 **Matrix:** SOLID

Client Sample ID DETWSB-4: 18-20

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
o-Xylene	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
Styrene	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
Tetrachloroethene	34.2	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
Toluene	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
trans-1,2-Dichloroethene	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
trans-1,3-Dichloropropene	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
Trichloroethene	769	437		µg/Kg	87.34	2/18/2009 4:22:00 PM
Vinyl acetate	ND	15.0		µg/Kg	1.5	2/13/2009 9:12:00 PM
Vinyl chloride	ND	7.50		µg/Kg	1.5	2/13/2009 9:12:00 PM
Surr: 4-Bromofluorobenzene	84.9	64-115		%REC	1.5	2/13/2009 9:12:00 PM
Surr: Dibromofluoromethane	91.9	84-142		%REC	1.5	2/13/2009 9:12:00 PM
Surr: Toluene-d8	95.3	75-117		%REC	1.5	2/13/2009 9:12:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0902309**

Date Reported: **2/27/2009**

CLIENT: URS Corp.

Collection Date: 2/6/2009 10:40:00 AM

Project: Detrex

Lab ID: 0902309-002

Matrix: SOLID

Client Sample ID DETWSB-4: 20-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
1,2-Dichlorobenzene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
1,3-Dichlorobenzene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
1,4-Dichlorobenzene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
2,4,5-Trichlorophenol	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
2,4,6-Trichlorophenol	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
2,4-Dichlorophenol	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
2,4-Dimethylphenol	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
2,4-Dinitrophenol	ND	1.70		mg/Kg	1	2/26/2009 5:51:00 PM
2,4-Dinitrotoluene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
2,6-Dinitrotoluene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
2-Chloronaphthalene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
2-Chlorophenol	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
2-Methylnaphthalene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
2-Methylphenol	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
2-Nitroaniline	ND	1.70		mg/Kg	1	2/26/2009 5:51:00 PM
2-Nitrophenol	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
3&4 Methylphenol	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
3,3'-Dichlorobenzidine	ND	0.659		mg/Kg	1	2/26/2009 5:51:00 PM
3-Nitroaniline	ND	1.70		mg/Kg	1	2/26/2009 5:51:00 PM
4,6-Dinitro-2-methylphenol	ND	1.70		mg/Kg	1	2/26/2009 5:51:00 PM
4-Bromophenyl phenyl ether	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
4-Chloro-3-methylphenol	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
4-Chloroaniline	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
4-Chlorophenyl phenyl ether	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
4-Nitroaniline	ND	0.659		mg/Kg	1	2/26/2009 5:51:00 PM
4-Nitrophenol	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Acenaphthene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Acenaphthylene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Anthracene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Benzo (a) anthracene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Benzo(a)pyrene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Benzo(b)fluoranthene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Benzo(g,h,i)perylene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0902309**

Date Reported: **2/27/2009**

CLIENT: URS Corp. **Collection Date:** 2/6/2009 10:40:00 AM

Project: Detrex

Lab ID: 0902309-002 **Matrix:** SOLID

Client Sample ID DETWSB-4: 20-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Benzoic acid	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Benzyl alcohol	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Bis(2-chloroethoxy)methane	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Bis(2-chloroethyl) ether	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Bis(2-chloroisopropyl) ether	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Butyl benzyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Chrysene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Dibenz(a,h)anthracene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Dibenzofuran	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Diethyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Dimethyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Di-n-butyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Di-n-octyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Fluoranthene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Fluorene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Hexachlorobenzene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Hexachlorobutadiene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Hexachlorocyclopentadiene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Hexachloroethane	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Isophorone	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Naphthalene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Nitrobenzene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
N-Nitrosodi-n-propylamine	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
N-Nitrosodiphenylamine	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Pentachlorophenol	ND	1.70		mg/Kg	1	2/26/2009 5:51:00 PM
Phenanthrene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Phenol	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Pyrene	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Pyridine	ND	0.330		mg/Kg	1	2/26/2009 5:51:00 PM
Surr: 2,4,6-Tribromophenol	36.9	19-122		%REC	1	2/26/2009 5:51:00 PM
Surr: 2-Fluorobiphenyl	59.1	30-115		%REC	1	2/26/2009 5:51:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0902309**

Date Reported: **2/27/2009**

CLIENT: URS Corp. **Collection Date:** 2/6/2009 10:40:00 AM

Project: Detrex

Lab ID: 0902309-002 **Matrix:** SOLID

Client Sample ID DETWSB-4: 20-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	40.5	25-121		%REC	1	2/26/2009 5:51:00 PM
Surr: Nitrobenzene-d5	49.9	23-120		%REC	1	2/26/2009 5:51:00 PM
Surr: Phenol-d6	46.1	24-113		%REC	1	2/26/2009 5:51:00 PM
Surr: Terphenyl-d14	55.1	18-137		%REC	1	2/26/2009 5:51:00 PM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
1,1,2,2-Tetrachloroethane	128	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
1,1,2-Trichloroethane	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
1,1-Dichloroethane	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
1,1-Dichloroethene	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
1,2-Dichloroethane	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
1,2-Dichloropropane	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
2-Hexanone	ND	138		µg/Kg	1.38	2/13/2009 9:36:00 PM
4-Methyl-2-pentanone	ND	27.6		µg/Kg	1.38	2/13/2009 9:36:00 PM
Acetone	ND	138		µg/Kg	1.38	2/13/2009 9:36:00 PM
Benzene	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
Bromodichloromethane	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
Bromoform	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
Bromomethane	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
Carbon disulfide	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
Carbon tetrachloride	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
Chlorobenzene	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
Chloroethane	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
Chloroform	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
Chloromethane	ND	13.8		µg/Kg	1.38	2/13/2009 9:36:00 PM
cis-1,2-Dichloroethene	29.5	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
cis-1,3-Dichloropropene	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
Dibromochloromethane	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
Ethylbenzene	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
m,p-Xylene	ND	13.8		µg/Kg	1.38	2/13/2009 9:36:00 PM
Methyl ethyl ketone	ND	27.6		µg/Kg	1.38	2/13/2009 9:36:00 PM
Methylene chloride	ND	27.6		µg/Kg	1.38	2/13/2009 9:36:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0902309**

Date Reported: **2/27/2009**

CLIENT: URS Corp. **Collection Date:** 2/6/2009 10:40:00 AM

Project: Detrex

Lab ID: 0902309-002 **Matrix:** SOLID

Client Sample ID DETWSB-4: 20-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
o-Xylene	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
Styrene	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
Tetrachloroethene	90.5	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
Toluene	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
trans-1,2-Dichloroethene	7.94	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
trans-1,3-Dichloropropene	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
Trichloroethene	2,350	364		µg/Kg	72.8	2/18/2009 4:46:00 PM
Vinyl acetate	ND	13.8		µg/Kg	1.38	2/13/2009 9:36:00 PM
Vinyl chloride	ND	6.90		µg/Kg	1.38	2/13/2009 9:36:00 PM
Surr: 4-Bromofluorobenzene	78.8	64-115		%REC	1.38	2/13/2009 9:36:00 PM
Surr: Dibromofluoromethane	93.9	84-142		%REC	1.38	2/13/2009 9:36:00 PM
Surr: Toluene-d8	93.4	75-117		%REC	1.38	2/13/2009 9:36:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
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TEL: (216) 663-0808
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Website:
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Analytical Report

(consolidated)

WO#: 0902309

Date Reported: 2/27/2009

CLIENT: URS Corp. **Collection Date:** 2/6/2009 2:32:00 PM

Project: Detrex

Lab ID: 0902309-003 **Matrix:** SOLID

Client Sample ID DETWSB-5: 10-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
1,2-Dichlorobenzene	0.455	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
1,3-Dichlorobenzene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
1,4-Dichlorobenzene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
2,4,5-Trichlorophenol	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
2,4,6-Trichlorophenol	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
2,4-Dichlorophenol	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
2,4-Dimethylphenol	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
2,4-Dinitrophenol	ND	1.70		mg/Kg	1	2/26/2009 6:33:00 PM
2,4-Dinitrotoluene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
2,6-Dinitrotoluene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
2-Chloronaphthalene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
2-Chlorophenol	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
2-Methylnaphthalene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
2-Methylphenol	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
2-Nitroaniline	ND	1.70		mg/Kg	1	2/26/2009 6:33:00 PM
2-Nitrophenol	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
3&4 Methylphenol	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
3,3'-Dichlorobenzidine	ND	0.659		mg/Kg	1	2/26/2009 6:33:00 PM
3-Nitroaniline	ND	1.70		mg/Kg	1	2/26/2009 6:33:00 PM
4,6-Dinitro-2-methylphenol	ND	1.70		mg/Kg	1	2/26/2009 6:33:00 PM
4-Bromophenyl phenyl ether	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
4-Chloro-3-methylphenol	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
4-Chloroaniline	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
4-Chlorophenyl phenyl ether	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
4-Nitroaniline	ND	0.659		mg/Kg	1	2/26/2009 6:33:00 PM
4-Nitrophenol	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Acenaphthene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Acenaphthylene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Anthracene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Benzo (a) anthracene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Benzo(a)pyrene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Benzo(b)fluoranthene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Benzo(g,h,i)perylene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **0902309**

Date Reported: **2/27/2009**

CLIENT: URS Corp.

Collection Date: 2/6/2009 2:32:00 PM

Project: Detrex

Lab ID: 0902309-003

Matrix: SOLID

Client Sample ID DETWSB-5: 10-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Benzoic acid	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Benzyl alcohol	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Bis(2-chloroethoxy)methane	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Bis(2-chloroethyl) ether	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Bis(2-chloroisopropyl) ether	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Butyl benzyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Chrysene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Dibenz(a,h)anthracene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Dibenzofuran	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Diethyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Dimethyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Di-n-butyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Di-n-octyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Fluoranthene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Fluorene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Hexachlorobenzene	1.11	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Hexachlorobutadiene	2.96	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Hexachlorocyclopentadiene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Hexachloroethane	9.00	1.65		mg/Kg	5	2/27/2009 9:42:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Isophorone	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Naphthalene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Nitrobenzene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
N-Nitrosodi-n-propylamine	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
N-Nitrosodiphenylamine	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Pentachlorophenol	ND	1.70		mg/Kg	1	2/26/2009 6:33:00 PM
Phenanthrene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Phenol	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Pyrene	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Pyridine	ND	0.330		mg/Kg	1	2/26/2009 6:33:00 PM
Surr: 2,4,6-Tribromophenol	58.7	19-122		%REC	1	2/26/2009 6:33:00 PM
Surr: 2-Fluorobiphenyl	40.3	30-115		%REC	1	2/26/2009 6:33:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0902309**

Date Reported: **2/27/2009**

CLIENT: URS Corp. **Collection Date:** 2/6/2009 2:32:00 PM

Project: Detrex

Lab ID: 0902309-003 **Matrix:** SOLID

Client Sample ID DETWSB-5: 10-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	39.7	25-121		%REC	1	2/26/2009 6:33:00 PM
Surr: Nitrobenzene-d5	49.5	23-120		%REC	1	2/26/2009 6:33:00 PM
Surr: Phenol-d6	44.3	24-113		%REC	1	2/26/2009 6:33:00 PM
Surr: Terphenyl-d14	48.6	18-137		%REC	1	2/26/2009 6:33:00 PM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
1,1,1-Trichloroethane	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
1,1,2,2-Tetrachloroethane	101,000	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
1,1,2-Trichloroethane	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
1,1,2-Trichloroethane	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
1,1-Dichloroethane	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
1,1-Dichloroethane	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
1,1-Dichloroethene	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
1,1-Dichloroethene	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
1,2-Dichloroethane	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
1,2-Dichloroethane	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
1,2-Dichloropropane	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
1,2-Dichloropropane	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
2-Hexanone	ND	13,600		µg/Kg	135.69	2/18/2009 5:36:00 PM
2-Hexanone	ND	136,000		µg/Kg	1356.85	2/19/2009 7:56:00 PM
4-Methyl-2-pentanone	ND	2,710		µg/Kg	135.69	2/18/2009 5:36:00 PM
4-Methyl-2-pentanone	ND	27,100		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Acetone	ND	13,600		µg/Kg	135.69	2/18/2009 5:36:00 PM
Acetone	ND	136,000		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Benzene	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
Benzene	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Bromodichloromethane	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
Bromodichloromethane	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Bromoform	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
Bromoform	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Bromomethane	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
Bromomethane	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: 0902309

Date Reported: 2/27/2009

CLIENT: URS Corp. **Collection Date:** 2/6/2009 2:32:00 PM

Project: Detrex

Lab ID: 0902309-003 **Matrix:** SOLID

Client Sample ID DETWSB-5: 10-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
Carbon disulfide	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
Carbon disulfide	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Carbon tetrachloride	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
Carbon tetrachloride	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Chlorobenzene	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
Chlorobenzene	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Chloroethane	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
Chloroethane	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Chloroform	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
Chloroform	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Chloromethane	ND	1,360		µg/Kg	135.69	2/18/2009 5:36:00 PM
Chloromethane	ND	13,600		µg/Kg	1356.85	2/19/2009 7:56:00 PM
cis-1,2-Dichloroethene	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
cis-1,2-Dichloroethene	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
cis-1,3-Dichloropropene	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
cis-1,3-Dichloropropene	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Dibromochloromethane	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
Dibromochloromethane	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Ethylbenzene	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Ethylbenzene	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
m,p-Xylene	ND	1,360		µg/Kg	135.69	2/18/2009 5:36:00 PM
m,p-Xylene	ND	13,600		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Methyl ethyl ketone	ND	2,710		µg/Kg	135.69	2/18/2009 5:36:00 PM
Methyl ethyl ketone	ND	27,100		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Methylene chloride	ND	27,100		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Methylene chloride	ND	2,710		µg/Kg	135.69	2/18/2009 5:36:00 PM
o-Xylene	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
o-Xylene	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Styrene	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
Styrene	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Tetrachloroethene	10,800	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
Toluene	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Toluene	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
trans-1,2-Dichloroethene	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0902309**

Date Reported: **2/27/2009**

CLIENT: URS Corp. **Collection Date:** 2/6/2009 2:32:00 PM

Project: Detrex

Lab ID: 0902309-003 **Matrix:** SOLID

Client Sample ID DETWSB-5: 10-12

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
trans-1,2-Dichloroethene	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
trans-1,3-Dichloropropene	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
trans-1,3-Dichloropropene	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
Trichloroethene	64,600	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Vinyl acetate	ND	1,360		µg/Kg	135.69	2/18/2009 5:36:00 PM
Vinyl acetate	ND	13,600		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Vinyl chloride	ND	6,780		µg/Kg	1356.85	2/19/2009 7:56:00 PM
Vinyl chloride	ND	678		µg/Kg	135.69	2/18/2009 5:36:00 PM
Surr: 4-Bromofluorobenzene	95.1	64-115		%REC	135.69	2/18/2009 5:36:00 PM
Surr: Dibromofluoromethane	78.9	84-142	S	%REC	135.69	2/18/2009 5:36:00 PM
Surr: Toluene-d8	98.8	75-117		%REC	135.69	2/18/2009 5:36:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902309**

Date Reported: **2/27/2009**

CLIENT: URS Corp.

Collection Date: 2/6/2009 2:50:00 PM

Project: Detrex

Lab ID: 0902309-004

Matrix: SOLID

Client Sample ID DETWSB-5: 18-20

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
1,2-Dichlorobenzene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
1,3-Dichlorobenzene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
1,4-Dichlorobenzene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
2,4,5-Trichlorophenol	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
2,4,6-Trichlorophenol	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
2,4-Dichlorophenol	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
2,4-Dimethylphenol	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
2,4-Dinitrophenol	ND	1.70		mg/Kg	1	2/26/2009 7:13:00 PM
2,4-Dinitrotoluene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
2,6-Dinitrotoluene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
2-Chloronaphthalene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
2-Chlorophenol	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
2-Methylnaphthalene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
2-Methylphenol	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
2-Nitroaniline	ND	1.70		mg/Kg	1	2/26/2009 7:13:00 PM
2-Nitrophenol	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
3&4 Methylphenol	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
3,3'-Dichlorobenzidine	ND	0.660		mg/Kg	1	2/26/2009 7:13:00 PM
3-Nitroaniline	ND	1.70		mg/Kg	1	2/26/2009 7:13:00 PM
4,6-Dinitro-2-methylphenol	ND	1.70		mg/Kg	1	2/26/2009 7:13:00 PM
4-Bromophenyl phenyl ether	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
4-Chloro-3-methylphenol	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
4-Chloroaniline	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
4-Chlorophenyl phenyl ether	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
4-Nitroaniline	ND	0.660		mg/Kg	1	2/26/2009 7:13:00 PM
4-Nitrophenol	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Acenaphthene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Acenaphthylene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Anthracene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Benzo (a) anthracene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Benzo(a)pyrene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Benzo(b)fluoranthene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Benzo(g,h,i)perylene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **0902309**

Date Reported: **2/27/2009**

CLIENT: URS Corp.

Collection Date: 2/6/2009 2:50:00 PM

Project: Detrex

Lab ID: 0902309-004

Matrix: SOLID

Client Sample ID DETWSB-5: 18-20

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Benzoic acid	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Benzyl alcohol	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Bis(2-chloroethoxy)methane	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Bis(2-chloroethyl) ether	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Bis(2-chloroisopropyl) ether	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Bis(2-ethylhexyl) phthalate	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Butyl benzyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Chrysene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Dibenz(a,h)anthracene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Dibenzofuran	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Diethyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Dimethyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Di-n-butyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Di-n-octyl phthalate	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Fluoranthene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Fluorene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Hexachlorobenzene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Hexachlorobutadiene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Hexachlorocyclopentadiene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Hexachloroethane	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Isophorone	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Naphthalene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Nitrobenzene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
N-Nitrosodi-n-propylamine	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
N-Nitrosodiphenylamine	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Pentachlorophenol	ND	1.70		mg/Kg	1	2/26/2009 7:13:00 PM
Phenanthrene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Phenol	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Pyrene	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Pyridine	ND	0.330		mg/Kg	1	2/26/2009 7:13:00 PM
Surr: 2,4,6-Tribromophenol	31.5	19-122		%REC	1	2/26/2009 7:13:00 PM
Surr: 2-Fluorobiphenyl	60.1	30-115		%REC	1	2/26/2009 7:13:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
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MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **0902309**

Date Reported: **2/27/2009**

CLIENT: URS Corp. **Collection Date:** 2/6/2009 2:50:00 PM

Project: Detrex

Lab ID: 0902309-004 **Matrix:** SOLID

Client Sample ID DETWSB-5: 18-20

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, SOLID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	44.4	25-121		%REC	1	2/26/2009 7:13:00 PM
Surr: Nitrobenzene-d5	52.6	23-120		%REC	1	2/26/2009 7:13:00 PM
Surr: Phenol-d6	48.6	24-113		%REC	1	2/26/2009 7:13:00 PM
Surr: Terphenyl-d14	51.8	18-137		%REC	1	2/26/2009 7:13:00 PM
TCL VOC, SOLID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
1,1,2,2-Tetrachloroethane	ND	386		µg/Kg	77.16	2/18/2009 5:11:00 PM
1,1,2-Trichloroethane	10.6	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
1,1-Dichloroethane	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
1,1-Dichloroethene	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
1,2-Dichloroethane	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
1,2-Dichloropropane	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
2-Hexanone	ND	132		µg/Kg	1.32	2/13/2009 10:26:00 PM
4-Methyl-2-pentanone	ND	26.4		µg/Kg	1.32	2/13/2009 10:26:00 PM
Acetone	ND	132		µg/Kg	1.32	2/13/2009 10:26:00 PM
Benzene	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
Bromodichloromethane	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
Bromoform	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
Bromomethane	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
Carbon disulfide	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
Carbon tetrachloride	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
Chlorobenzene	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
Chloroethane	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
Chloroform	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
Chloromethane	ND	13.2		µg/Kg	1.32	2/13/2009 10:26:00 PM
cis-1,2-Dichloroethene	32.1	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
cis-1,3-Dichloropropene	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
Dibromochloromethane	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
Ethylbenzene	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
m,p-Xylene	ND	13.2		µg/Kg	1.32	2/13/2009 10:26:00 PM
Methyl ethyl ketone	ND	26.4		µg/Kg	1.32	2/13/2009 10:26:00 PM
Methylene chloride	ND	26.4		µg/Kg	1.32	2/13/2009 10:26:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
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Analytical Report

(consolidated)

WO#: **0902309**

Date Reported: **2/27/2009**

CLIENT: URS Corp. **Collection Date:** 2/6/2009 2:50:00 PM

Project: Detrex

Lab ID: 0902309-004 **Matrix:** SOLID

Client Sample ID DETWSB-5: 18-20

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, SOLID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
Styrene	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
Tetrachloroethene	130	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
Toluene	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
trans-1,2-Dichloroethene	7.83	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
trans-1,3-Dichloropropene	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
Trichloroethene	1,200	386		µg/Kg	77.16	2/18/2009 5:11:00 PM
Vinyl acetate	ND	13.2		µg/Kg	1.32	2/13/2009 10:26:00 PM
Vinyl chloride	ND	6.60		µg/Kg	1.32	2/13/2009 10:26:00 PM
Surr: 4-Bromofluorobenzene	87.0	64-115		%REC	1.32	2/13/2009 10:26:00 PM
Surr: Dibromofluoromethane	94.6	84-142		%REC	1.32	2/13/2009 10:26:00 PM
Surr: Toluene-d8	95.9	75-117		%REC	1.32	2/13/2009 10:26:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: 2019

Sample ID: **MB-2019** SampType: **MBLK** TestCode: **SW_8270SOL** Units: **mg/Kg** Prep Date: **2/13/2009** RunNo: **4970**
Client ID: **PBS** Batch ID: **2019** TestNo: **SW8270C** Analysis Date: **2/18/2009** SeqNo: **56146**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.330									
1,2-Dichlorobenzene	ND	0.330									
1,3-Dichlorobenzene	ND	0.330									
1,4-Dichlorobenzene	ND	0.330									
2,4,5-Trichlorophenol	ND	0.330									
2,4,6-Trichlorophenol	ND	0.330									
2,4-Dichlorophenol	ND	0.330									
2,4-Dimethylphenol	ND	0.330									
2,4-Dinitrophenol	ND	1.70									
2,4-Dinitrotoluene	ND	0.330									
2,6-Dinitrotoluene	ND	0.330									
2-Chloronaphthalene	ND	0.330									
2-Chlorophenol	ND	0.330									
2-Methylnaphthalene	ND	0.330									
2-Methylphenol	ND	0.330									
2-Nitroaniline	ND	1.70									
2-Nitrophenol	ND	0.330									
3&4 Methylphenol	ND	0.330									
3,3'-Dichlorobenzidine	ND	0.659									
3-Nitroaniline	ND	1.70									
4,6-Dinitro-2-methylphenol	ND	1.70									
4-Bromophenyl phenyl ether	ND	0.330									
4-Chloro-3-methylphenol	ND	0.330									
4-Chloroaniline	ND	0.330									
4-Chlorophenyl phenyl ether	ND	0.330									
4-Nitroaniline	ND	0.659									
4-Nitrophenol	ND	0.330									
Acenaphthene	ND	0.330									
Acenaphthylene	ND	0.330									
Anthracene	ND	0.330									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: 2019

Sample ID: MB-2019	SampType: MBLK	TestCode: SW_8270SOL Units: mg/Kg	Prep Date: 2/13/2009	RunNo: 4970
Client ID: PBS	Batch ID: 2019	TestNo: SW8270C	Analysis Date: 2/18/2009	SeqNo: 56146

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo (a) anthracene	ND	0.330									
Benzo(a)pyrene	ND	0.330									
Benzo(b)fluoranthene	ND	0.330									
Benzo(g,h,i)perylene	ND	0.330									
Benzo(k)fluoranthene	ND	0.330									
Benzoic acid	ND	0.330									
Benzyl alcohol	ND	0.330									
Bis(2-chloroethoxy)methane	ND	0.330									
Bis(2-chloroethyl) ether	ND	0.330									
Bis(2-chloroisopropyl) ether	ND	0.330									
Bis(2-ethylhexyl) phthalate	ND	0.330									
Butyl benzyl phthalate	ND	0.330									
Chrysene	ND	0.330									
Dibenz(a,h)anthracene	ND	0.330									
Dibenzofuran	ND	0.330									
Diethyl phthalate	ND	0.330									
Dimethyl phthalate	ND	0.330									
Di-n-butyl phthalate	ND	0.330									
Di-n-octyl phthalate	ND	0.330									
Fluoranthene	ND	0.330									
Fluorene	ND	0.330									
Hexachlorobenzene	ND	0.330									
Hexachlorobutadiene	ND	0.330									
Hexachlorocyclopentadiene	ND	0.330									
Hexachloroethane	ND	0.330									
Indeno(1,2,3-cd)pyrene	ND	0.330									
Isophorone	ND	0.330									
Naphthalene	ND	0.330									
Nitrobenzene	ND	0.330									
N-Nitrosodi-n-propylamine	ND	0.330									
N-Nitrosodiphenylamine	ND	0.330									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: 2019

Sample ID: **MB-2019** SampType: **MBLK** TestCode: **SW_8270SOL** Units: **mg/Kg** Prep Date: **2/13/2009** RunNo: **4970**
Client ID: **PBS** Batch ID: **2019** TestNo: **SW8270C** Analysis Date: **2/18/2009** SeqNo: **56146**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	1.70									
Phenanthrene	ND	0.330									
Phenol	ND	0.330									
Pyrene	ND	0.330									
Pyridine	ND	0.330									
Surr: 2,4,6-Tribromophenol	2.67		3.326		80.4	19	122				
Surr: 2-Fluorobiphenyl	2.30		3.326		69.2	30	115				
Surr: 2-Fluorophenol	1.83		3.326		55.1	25	121				
Surr: Nitrobenzene-d5	1.25		3.326		37.7	23	120				
Surr: Phenol-d6	2.11		3.326		63.4	24	113				
Surr: Terphenyl-d14	2.32		3.326		69.7	18	137				

Sample ID: **LCS-2019** SampType: **LCS** TestCode: **SW_8270SOL** Units: **mg/Kg** Prep Date: **2/13/2009** RunNo: **4970**
Client ID: **LCSS** Batch ID: **2019** TestNo: **SW8270C** Analysis Date: **2/18/2009** SeqNo: **56199**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2.53	0.329	3.324	0	76.0	44	142				
1,4-Dichlorobenzene	2.17	0.329	3.324	0	65.2	20	124				
2,4-Dinitrotoluene	3.19	0.329	3.324	0	96.0	39	139				
2-Chlorophenol	2.32	0.329	3.324	0	69.7	23	134				
4-Chloro-3-methylphenol	2.83	0.329	3.324	0	85.0	22	147				
4-Nitrophenol	2.73	0.329	3.324	0	82.2	1	132				
Acenaphthene	2.71	0.329	3.324	0	81.4	47	145				
N-Nitrosodi-n-propylamine	2.57	0.329	3.324	0	77.3	10	200				
Pentachlorophenol	2.76	1.70	3.324	0	83.1	14	176				
Phenol	2.66	0.329	3.324	0	80.0	5	112				
Pyrene	2.93	0.329	3.324	0	88.3	52	115				
Surr: 2,4,6-Tribromophenol	3.14		3.324		94.6	19	122				
Surr: 2-Fluorobiphenyl	2.77		3.324		83.3	30	115				
Surr: 2-Fluorophenol	2.04		3.324		61.4	25	121				
Surr: Nitrobenzene-d5	1.48		3.324		44.4	23	120				

Qualifiers:
- */X Value exceeds Maximum Contaminant Level
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit (PQL)
- H Holding times for preparation or analys
- P Second column confirmation exceeds
- S Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: 2019

Sample ID: **LCS-2019** SampType: **LCS** TestCode: **SW_8270SOL** Units: **mg/Kg** Prep Date: **2/13/2009** RunNo: **4970**
Client ID: **LCSS** Batch ID: **2019** TestNo: **SW8270C** Analysis Date: **2/18/2009** SeqNo: **56199**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Phenol-d6	2.53		3.324		76.0	24	113				
Surr: Terphenyl-d14	2.29		3.324		69.0	18	137				

Sample ID: **LCSD-2019** SampType: **LCSD** TestCode: **SW_8270SOL** Units: **mg/Kg** Prep Date: **2/13/2009** RunNo: **4970**
Client ID: **LCSS02** Batch ID: **2019** TestNo: **SW8270C** Analysis Date: **2/18/2009** SeqNo: **56200**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2.44	0.329	3.321	0	73.3	44	142	2.527	3.68	20	
1,4-Dichlorobenzene	2.04	0.329	3.321	0	61.5	20	124	2.169	6.09	20	
2,4-Dinitrotoluene	2.92	0.329	3.321	0	88.0	39	139	3.190	8.73	20	
2-Chlorophenol	2.22	0.329	3.321	0	66.9	23	134	2.317	4.14	20	
4-Chloro-3-methylphenol	2.57	0.329	3.321	0	77.4	22	147	2.826	9.42	20	
4-Nitrophenol	2.55	0.329	3.321	0	76.9	1	132	2.731	6.73	20	
Acenaphthene	2.49	0.329	3.321	0	75.0	47	145	2.706	8.26	20	
N-Nitrosodi-n-propylamine	2.46	0.329	3.321	0	74.0	10	200	2.569	4.44	20	
Pentachlorophenol	2.54	1.70	3.321	0	76.3	14	176	2.763	8.60	20	
Phenol	2.55	0.329	3.321	0	76.9	5	112	2.660	4.11	20	
Pyrene	2.67	0.329	3.321	0	80.5	52	115	2.934	9.26	20	
Surr: 2,4,6-Tribromophenol	2.87		3.321		86.3	19	122		0	0	
Surr: 2-Fluorobiphenyl	2.58		3.321		77.7	30	115		0	0	
Surr: 2-Fluorophenol	1.71		3.321		51.5	25	121		0	0	
Surr: Nitrobenzene-d5	1.36		3.321		40.8	23	120		0	0	
Surr: Phenol-d6	2.39		3.321		71.8	24	113		0	0	
Surr: Terphenyl-d14	2.10		3.321		63.2	18	137		0	0	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: R5003

Sample ID: blk	SampType: mblk	TestCode: sw_8260sol	Units: µg/Kg	Prep Date:	RunNo: 5003
Client ID: PBS	Batch ID: R5003	TestNo: SW8260B		Analysis Date: 2/13/2009	SeqNo: 56639

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	5.00									
1,1,2,2-Tetrachloroethane	ND	5.00									
1,1,2-Trichloroethane	ND	5.00									
1,1-Dichloroethane	ND	5.00									
1,1-Dichloroethene	ND	5.00									
1,2-Dichloroethane	ND	5.00									
1,2-Dichloropropane	ND	5.00									
2-Hexanone	ND	100									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	100									
Benzene	ND	5.00									
Bromodichloromethane	ND	5.00									
Bromoform	ND	5.00									
Bromomethane	ND	5.00									
Carbon disulfide	ND	5.00									
Carbon tetrachloride	ND	5.00									
Chlorobenzene	ND	5.00									
Chloroethane	ND	5.00									
Chloroform	ND	5.00									
Chloromethane	ND	10.0									
cis-1,2-Dichloroethene	ND	5.00									
cis-1,3-Dichloropropene	ND	5.00									
Dibromochloromethane	ND	5.00									
Ethylbenzene	ND	5.00									
m,p-Xylene	ND	10.0									
Methyl ethyl ketone	ND	20.0									
Methylene chloride	ND	20.0									
o-Xylene	ND	5.00									
Styrene	ND	5.00									
Tetrachloroethene	ND	5.00									
Toluene	ND	5.00									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: R5003

Sample ID: **blk** SampType: **mblk** TestCode: **sw_8260sol** Units: **µg/Kg** Prep Date: RunNo: **5003**
Client ID: **PBS** Batch ID: **R5003** TestNo: **SW8260B** Analysis Date: **2/13/2009** SeqNo: **56639**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	5.00									
trans-1,3-Dichloropropene	ND	5.00									
Trichloroethene	ND	5.00									
Vinyl acetate	ND	10.0									
Vinyl chloride	ND	5.00									
Surr: 4-Bromofluorobenzene	0		100.0		0	64	115				S
Surr: Dibromofluoromethane	0		100.0		0	84	142				S
Surr: Toluene-d8	0		100.0		0	75	117				S

Sample ID: **blk** SampType: **mblk** TestCode: **sw_8260sol** Units: **µg/Kg** Prep Date: RunNo: **5003**
Client ID: **PBS** Batch ID: **R5003** TestNo: **SW8260B** Analysis Date: **2/13/2009** SeqNo: **56642**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	5.00									
1,1,2,2-Tetrachloroethane	ND	5.00									
1,1,2-Trichloroethane	ND	5.00									
1,1-Dichloroethane	ND	5.00									
1,1-Dichloroethene	ND	5.00									
1,2-Dichloroethane	ND	5.00									
1,2-Dichloropropane	ND	5.00									
2-Hexanone	ND	100									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	100									
Benzene	ND	5.00									
Bromodichloromethane	ND	5.00									
Bromoform	ND	5.00									
Bromomethane	ND	5.00									
Carbon disulfide	ND	5.00									
Carbon tetrachloride	ND	5.00									
Chlorobenzene	ND	5.00									
Chloroethane	ND	5.00									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: R5003

Sample ID: **blk** SampType: **mblk** TestCode: **sw_8260sol** Units: **µg/Kg** Prep Date: RunNo: **5003**
Client ID: **PBS** Batch ID: **R5003** TestNo: **SW8260B** Analysis Date: **2/13/2009** SeqNo: **56642**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	ND	5.00									
Chloromethane	ND	10.0									
cis-1,2-Dichloroethene	ND	5.00									
cis-1,3-Dichloropropene	ND	5.00									
Dibromochloromethane	ND	5.00									
Ethylbenzene	ND	5.00									
m,p-Xylene	ND	10.0									
Methyl ethyl ketone	ND	20.0									
Methylene chloride	ND	20.0									
o-Xylene	ND	5.00									
Styrene	ND	5.00									
Tetrachloroethene	ND	5.00									
Toluene	ND	5.00									
trans-1,2-Dichloroethene	ND	5.00									
trans-1,3-Dichloropropene	ND	5.00									
Trichloroethene	ND	5.00									
Vinyl acetate	ND	10.0									
Vinyl chloride	ND	5.00									
Surr: 4-Bromofluorobenzene	0		100.0		0	64	115				S
Surr: Dibromofluoromethane	0		100.0		0	84	142				S
Surr: Toluene-d8	0		100.0		0	75	117				S

Sample ID: **blk** SampType: **mblk** TestCode: **sw_8260sol** Units: **µg/Kg** Prep Date: RunNo: **5003**
Client ID: **PBS** Batch ID: **R5003** TestNo: **SW8260B** Analysis Date: **2/13/2009** SeqNo: **56646**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	5.00									
1,1,2,2-Tetrachloroethane	ND	5.00									
1,1,2-Trichloroethane	ND	5.00									
1,1-Dichloroethane	ND	5.00									
1,1-Dichloroethene	ND	5.00									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: **R5003**

Sample ID: **blk**	SampType: **mblk**	TestCode: **sw_8260sol**	Units: **µg/Kg**	Prep Date:	RunNo: **5003**
Client ID: **PBS**	Batch ID: **R5003**	TestNo: **SW8260B**		Analysis Date: **2/13/2009**	SeqNo: **56646**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	ND	5.00									
1,2-Dichloropropane	ND	5.00									
2-Hexanone	ND	100									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	100									
Benzene	ND	5.00									
Bromodichloromethane	ND	5.00									
Bromoform	ND	5.00									
Bromomethane	ND	5.00									
Carbon disulfide	ND	5.00									
Carbon tetrachloride	ND	5.00									
Chlorobenzene	ND	5.00									
Chloroethane	ND	5.00									
Chloroform	ND	5.00									
Chloromethane	ND	10.0									
cis-1,2-Dichloroethene	ND	5.00									
cis-1,3-Dichloropropene	ND	5.00									
Dibromochloromethane	ND	5.00									
Ethylbenzene	ND	5.00									
m,p-Xylene	ND	10.0									
Methyl ethyl ketone	ND	20.0									
Methylene chloride	ND	20.0									
o-Xylene	ND	5.00									
Styrene	ND	5.00									
Tetrachloroethene	ND	5.00									
Toluene	ND	5.00									
trans-1,2-Dichloroethene	ND	5.00									
trans-1,3-Dichloropropene	ND	5.00									
Trichloroethene	ND	5.00									
Vinyl acetate	ND	10.0									
Vinyl chloride	ND	5.00									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: R5003

Sample ID: **blk**	SampType: **mblk**	TestCode: **sw_8260sol**	Units: **µg/Kg**	Prep Date:	RunNo: **5003**
Client ID: **PBS**	Batch ID: **R5003**	TestNo: **SW8260B**		Analysis Date: **2/13/2009**	SeqNo: **56646**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0		100.0		0	64	115				S
Surr: Dibromofluoromethane	0		100.0		0	84	142				S
Surr: Toluene-d8	0		100.0		0	75	117				S

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: R5012

Sample ID: **blk**	SampType: **mblk**	TestCode: **sw_8260sol**	Units: **µg/Kg**	Prep Date:	RunNo: **5012**
Client ID: **PBS**	Batch ID: **R5012**	TestNo: **SW8260B**		Analysis Date: **2/18/2009**	SeqNo: **56749**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	5.00									
1,1,2,2-Tetrachloroethane	ND	5.00									
1,1,2-Trichloroethane	ND	5.00									
1,1-Dichloroethane	ND	5.00									
1,1-Dichloroethene	ND	5.00									
1,2-Dichloroethane	ND	5.00									
1,2-Dichloropropane	ND	5.00									
2-Hexanone	ND	100									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	100									
Benzene	ND	5.00									
Bromodichloromethane	ND	5.00									
Bromoform	ND	5.00									
Bromomethane	ND	5.00									
Carbon disulfide	ND	5.00									
Carbon tetrachloride	ND	5.00									
Chlorobenzene	ND	5.00									
Chloroethane	ND	5.00									
Chloroform	ND	5.00									
Chloromethane	ND	10.0									
cis-1,2-Dichloroethene	ND	5.00									
cis-1,3-Dichloropropene	ND	5.00									
Dibromochloromethane	ND	5.00									
Ethylbenzene	ND	5.00									
m,p-Xylene	ND	10.0									
Methyl ethyl ketone	ND	20.0									
Methylene chloride	ND	20.0									
o-Xylene	ND	5.00									
Styrene	ND	5.00									
Tetrachloroethene	ND	5.00									
Toluene	ND	5.00									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: R5012

Sample ID: **blk** SampType: **mblk** TestCode: **sw_8260sol** Units: **µg/Kg** Prep Date: RunNo: **5012**
Client ID: **PBS** Batch ID: **R5012** TestNo: **SW8260B** Analysis Date: **2/18/2009** SeqNo: **56749**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	5.00									
trans-1,3-Dichloropropene	ND	5.00									
Trichloroethene	ND	5.00									
Vinyl acetate	ND	10.0									
Vinyl chloride	ND	5.00									
Surr: 4-Bromofluorobenzene	90.9		100.0		90.9	64	115				
Surr: Dibromofluoromethane	101		100.0		101	84	142				
Surr: Toluene-d8	99.5		100.0		99.5	75	117				

Sample ID: **lcs 20 ug/l** SampType: **lcs** TestCode: **sw_8260sol** Units: **µg/Kg** Prep Date: RunNo: **5012**
Client ID: **LCSS** Batch ID: **R5012** TestNo: **SW8260B** Analysis Date: **2/18/2009** SeqNo: **56751**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	21.1	5.00	20.00	0	105	67	147				
Benzene	20.8	5.00	20.00	0	104	64	122				
Chlorobenzene	21.4	5.00	20.00	0	107	68	136				
Toluene	21.8	5.00	20.00	0	109	67	134				
Trichloroethene	22.1	5.00	20.00	0	110	60	139				
Surr: 4-Bromofluorobenzene	92.8		100.0		92.8	64	115				
Surr: Dibromofluoromethane	92.5		100.0		92.5	84	142				
Surr: Toluene-d8	101		100.0		101	75	117				

Sample ID: **lcsd 20 ug/l** SampType: **lcsd** TestCode: **sw_8260sol** Units: **µg/Kg** Prep Date: RunNo: **5012**
Client ID: **LCSS02** Batch ID: **R5012** TestNo: **SW8260B** Analysis Date: **2/18/2009** SeqNo: **56752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.1	5.00	20.00	0	101	67	147	21.07	4.71	20	
Benzene	20.7	5.00	20.00	0	103	64	122	20.84	0.819	20	
Chlorobenzene	21.5	5.00	20.00	0	107	68	136	21.36	0.560	20	
Toluene	21.6	5.00	20.00	0	108	67	134	21.77	0.784	20	
Trichloroethene	21.4	5.00	20.00	0	107	60	139	22.08	2.94	20	

Qualifiers:
- */X Value exceeds Maximum Contaminant Level
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit (PQL)
- H Holding times for preparation or analys
- P Second column confirmation exceeds
- S Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: R5012

Sample ID: **lcsd 20 ug/l** SampType: **lcsd** TestCode: **sw_8260sol** Units: **µg/Kg** Prep Date: RunNo: **5012**
Client ID: **LCSS02** Batch ID: **R5012** TestNo: **SW8260B** Analysis Date: **2/18/2009** SeqNo: **56752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	94.5		100.0		94.5	64	115		0	20	
Surr: Dibromofluoromethane	91.6		100.0		91.6	84	142		0	20	
Surr: Toluene-d8	101		100.0		101	75	117		0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: R5014

Sample ID: blk	SampType: mblk	TestCode: sw_8260liq	Units: µg/L	Prep Date:	RunNo: 5014
Client ID: ZZZZZZ	Batch ID: R5014	TestNo: SW8260B		Analysis Date: 2/19/2009	SeqNo: 56797

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	5.00									
1,1,2,2-Tetrachloroethane	ND	5.00									
1,1,2-Trichloroethane	ND	5.00									
1,1-Dichloroethane	ND	5.00									
1,1-Dichloroethene	ND	5.00									
1,2-Dichloroethane	ND	5.00									
1,2-Dichloropropane	ND	5.00									
2-Hexanone	ND	10.0									
4-Methyl-2-pentanone	ND	100									
Acetone	ND	50.0									
Benzene	ND	5.00									
Bromodichloromethane	ND	5.00									
Bromoform	ND	5.00									
Bromomethane	ND	5.00									
Carbon disulfide	ND	5.00									
Carbon tetrachloride	ND	5.00									
Chlorobenzene	ND	5.00									
Chloroethane	ND	10.0									
Chloroform	ND	5.00									
Chloromethane	ND	5.00									
cis-1,2-Dichloroethene	ND	5.00									
cis-1,3-Dichloropropene	ND	5.00									
Dibromochloromethane	ND	5.00									
Ethylbenzene	ND	5.00									
m,p-Xylene	ND	5.00									
Methyl ethyl ketone	ND	50.0									
Methylene chloride	ND	5.00									
o-Xylene	ND	5.00									
Styrene	ND	20.0									
Tetrachloroethene	ND	5.00									
Toluene	ND	5.00									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: R5014

Sample ID: **blk** SampType: **mblk** TestCode: **sw_8260liq** Units: **µg/L** Prep Date: RunNo: **5014**
Client ID: **ZZZZZZ** Batch ID: **R5014** TestNo: **SW8260B** Analysis Date: **2/19/2009** SeqNo: **56797**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	10.0									
trans-1,3-Dichloropropene	ND	5.00									
Trichloroethene	ND	5.00									
Vinyl acetate	ND	10.0									
Vinyl chloride	ND	5.00									
Surr: 4-Bromofluorobenzene	93.6		100.0		93.6	86	115				
Surr: Dibromofluoromethane	90.7		100.0		90.7	86	118				
Surr: Toluene-d8	98.9		100.0		98.9	88	110				

Sample ID: **lcs** SampType: **lcs** TestCode: **sw_8260liq** Units: **µg/L** Prep Date: RunNo: **5014**
Client ID: **ZZZZZZ** Batch ID: **R5014** TestNo: **SW8260B** Analysis Date: **2/19/2009** SeqNo: **56799**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	19.1	5.00	50.00	0	38.2	52	162				S
1,1,2,2-Tetrachloroethane	18.4	5.00	50.00	0	36.9	46	157				S
1,1,2-Trichloroethane	20.1	5.00	50.00	0	40.1	52	150				S
1,1-Dichloroethane	17.7	5.00	50.00	0	35.3	59	155				S
1,1-Dichloroethene	16.5	5.00	50.00	0	32.9	1	234				
1,2-Dichloroethane	18.3	5.00	50.00	0	36.5	49	155				S
1,2-Dichloropropane	19.4	5.00	50.00	0	38.8	1	210				
Benzene	17.9	5.00	50.00	0	35.8	37	151				S
Bromodichloromethane	19.9	5.00	50.00	0	39.7	35	155				
Bromoform	18.7	5.00	50.00	0	37.5	45	169				S
Bromomethane	24.2	5.00	50.00	0	48.4	1	242				
Carbon tetrachloride	17.5	5.00	50.00	0	35.0	70	140				S
Chlorobenzene	19.0	5.00	50.00	0	38.0	37	160				
Chloroethane	17.8	10.0	50.00	0	35.7	14	230				
Chloroform	18.7	5.00	50.00	0	37.4	51	138				S
Chloromethane	18.0	5.00	50.00	0	35.9	1	273				
cis-1,3-Dichloropropene	ND	5.00	50.00	0	0	1	227				S
Dibromochloromethane	18.7	5.00	50.00	0	37.5	53	149				S

Qualifiers:
- */X Value exceeds Maximum Contaminant Level
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit (PQL)
- H Holding times for preparation or analys
- P Second column confirmation exceeds
- S Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: R5014

Sample ID: **lcs** SampType: **lcs** TestCode: **sw_8260liq** Units: **µg/L** Prep Date: RunNo: **5014**
Client ID: **ZZZZZZ** Batch ID: **R5014** TestNo: **SW8260B** Analysis Date: **2/19/2009** SeqNo: **56799**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	18.5	5.00	50.00	0	36.9	37	162				S
Methylene chloride	17.4	5.00	50.00	0	34.7	1	221				
Tetrachloroethene	18.1	5.00	50.00	0	36.3	64	148				S
Toluene	18.6	5.00	50.00	0	37.1	47	150				S
trans-1,2-Dichloroethene	17.3	10.0	50.00	0	34.7	54	156				S
trans-1,3-Dichloropropene	ND	5.00	50.00	0	0	17	183				S
Trichloroethene	18.1	5.00	50.00	0	36.2	71	157				S
Vinyl chloride	18.0	5.00	50.00	0	36.0	1	251				
Surr: 4-Bromofluorobenzene	91.8		100.0		91.8	86	115				
Surr: Dibromofluoromethane	97.2		100.0		97.2	86	118				
Surr: Toluene-d8	101		100.0		101	88	110				

Sample ID: **lcsd** SampType: **lcsd** TestCode: **sw_8260liq** Units: **µg/L** Prep Date: RunNo: **5014**
Client ID: **ZZZZZZ** Batch ID: **R5014** TestNo: **SW8260B** Analysis Date: **2/19/2009** SeqNo: **56800**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	18.9	5.00	50.00	0	37.9	52	162	19.09	0.789	20	S
1,1,2,2-Tetrachloroethane	19.2	5.00	50.00	0	38.5	46	157	18.45	4.14	20	S
1,1,2-Trichloroethane	20.2	5.00	50.00	0	40.4	52	150	20.06	0.794	20	S
1,1-Dichloroethane	22.4	5.00	50.00	0	44.9	59	155	17.66	23.8	20	RS
1,1-Dichloroethene	16.8	5.00	50.00	0	33.5	1	234	16.47	1.75	20	
1,2-Dichloroethane	18.6	5.00	50.00	0	37.1	49	155	18.27	1.52	20	S
1,2-Dichloropropane	19.4	5.00	50.00	0	38.8	1	210	19.40	0.103	20	
Benzene	17.7	5.00	50.00	0	35.4	37	151	17.91	1.07	20	S
Bromodichloromethane	20.0	5.00	50.00	0	40.0	35	155	19.86	0.652	20	
Bromoform	19.5	5.00	50.00	0	39.0	45	169	18.74	3.97	20	S
Bromomethane	22.2	5.00	50.00	0	44.5	1	242	24.20	8.40	20	
Carbon tetrachloride	17.7	5.00	50.00	0	35.5	70	140	17.52	1.19	20	S
Chlorobenzene	18.4	5.00	50.00	0	36.7	37	160	18.99	3.32	20	S
Chloroethane	18.4	10.0	50.00	0	36.8	14	230	17.83	3.20	20	
Chloroform	18.7	5.00	50.00	0	37.5	51	138	18.71	0.160	20	S

Qualifiers:
- */X Value exceeds Maximum Contaminant Level
- M Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit (PQL)
- H Holding times for preparation or analys
- P Second column confirmation exceeds
- S Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: R5014

Sample ID: lcsd | SampType: lcsd | TestCode: sw_8260liq | Units: µg/L | Prep Date: | RunNo: 5014
Client ID: ZZZZZZ | Batch ID: R5014 | TestNo: SW8260B | Analysis Date: 2/19/2009 | SeqNo: 56800

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	18.8	5.00	50.00	0	37.5	1	273	17.95	4.36	20	
cis-1,3-Dichloropropene	ND	5.00	50.00	0	0	1	227	0	0	20	S
Dibromochloromethane	18.9	5.00	50.00	0	37.9	53	149	18.74	1.01	20	S
Ethylbenzene	17.8	5.00	50.00	0	35.7	37	162	18.47	3.53	20	S
Methylene chloride	17.6	5.00	50.00	0	35.3	1	221	17.37	1.54	20	
Tetrachloroethene	17.7	5.00	50.00	0	35.4	64	148	18.14	2.40	20	S
Toluene	18.2	5.00	50.00	0	36.3	47	150	18.56	2.23	20	S
trans-1,2-Dichloroethene	18.0	10.0	50.00	0	35.9	54	156	17.34	3.57	20	S
trans-1,3-Dichloropropene	ND	5.00	50.00	0	0	17	183	0	0	20	S
Trichloroethene	17.9	5.00	50.00	0	35.9	71	157	18.12	1.05	20	S
Vinyl chloride	19.0	5.00	50.00	0	38.1	1	251	17.98	5.67	20	
Surr: 4-Bromofluorobenzene	93.7		100.0		93.7	86	115		0	20	
Surr: Dibromofluoromethane	98.2		100.0		98.2	86	118		0	20	
Surr: Toluene-d8	99.3		100.0		99.3	88	110		0	20	

Sample ID: blk | SampType: mblk | TestCode: sw_8260liq | Units: µg/L | Prep Date: | RunNo: 5014
Client ID: ZZZZZZ | Batch ID: R5014 | TestNo: SW8260B | Analysis Date: 2/19/2009 | SeqNo: 56801

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	5.00									
1,1,2,2-Tetrachloroethane	ND	5.00									
1,1,2-Trichloroethane	ND	5.00									
1,1-Dichloroethane	ND	5.00									
1,1-Dichloroethene	ND	5.00									
1,2-Dichloroethane	ND	5.00									
1,2-Dichloropropane	ND	5.00									
2-Hexanone	ND	10.0									
4-Methyl-2-pentanone	ND	100									
Acetone	ND	50.0									
Benzene	ND	5.00									
Bromodichloromethane	ND	5.00									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: R5014

Sample ID: blk	SampType: mblk	TestCode: sw_8260liq	Units: µg/L	Prep Date:	RunNo: 5014
Client ID: ZZZZZZ	Batch ID: R5014	TestNo: SW8260B		Analysis Date: 2/19/2009	SeqNo: 56801

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	ND	5.00									
Bromomethane	ND	5.00									
Carbon disulfide	ND	5.00									
Carbon tetrachloride	ND	5.00									
Chlorobenzene	ND	5.00									
Chloroethane	ND	10.0									
Chloroform	ND	5.00									
Chloromethane	ND	5.00									
cis-1,2-Dichloroethene	ND	5.00									
cis-1,3-Dichloropropene	ND	5.00									
Dibromochloromethane	ND	5.00									
Ethylbenzene	ND	5.00									
m,p-Xylene	ND	5.00									
Methyl ethyl ketone	ND	50.0									
Methylene chloride	ND	5.00									
o-Xylene	ND	5.00									
Styrene	ND	20.0									
Tetrachloroethene	ND	5.00									
Toluene	ND	5.00									
trans-1,2-Dichloroethene	ND	10.0									
trans-1,3-Dichloropropene	ND	5.00									
Trichloroethene	ND	5.00									
Vinyl acetate	ND	10.0									
Vinyl chloride	ND	5.00									
Surr: 4-Bromofluorobenzene	90.0		100.0		90.0	86	115				
Surr: Dibromofluoromethane	93.4		100.0		93.4	86	118				
Surr: Toluene-d8	98.8		100.0		98.8	88	110				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: R5014

Sample ID: blk	SampType: mblk	TestCode: sw_8260liq	Units: µg/L	Prep Date:	RunNo: 5014
Client ID: ZZZZZZ	Batch ID: R5014	TestNo: SW8260B		Analysis Date: 2/19/2009	SeqNo: 56805

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	5.00									
1,1,2,2-Tetrachloroethane	ND	5.00									
1,1,2-Trichloroethane	ND	5.00									
1,1-Dichloroethane	ND	5.00									
1,1-Dichloroethene	ND	5.00									
1,2-Dichloroethane	ND	5.00									
1,2-Dichloropropane	ND	5.00									
2-Hexanone	ND	10.0									
4-Methyl-2-pentanone	ND	100									
Acetone	ND	50.0									
Benzene	ND	5.00									
Bromodichloromethane	ND	5.00									
Bromoform	ND	5.00									
Bromomethane	ND	5.00									
Carbon disulfide	ND	5.00									
Carbon tetrachloride	ND	5.00									
Chlorobenzene	ND	5.00									
Chloroethane	ND	10.0									
Chloroform	ND	5.00									
Chloromethane	ND	5.00									
cis-1,2-Dichloroethene	ND	5.00									
cis-1,3-Dichloropropene	ND	5.00									
Dibromochloromethane	ND	5.00									
Ethylbenzene	ND	5.00									
m,p-Xylene	ND	5.00									
Methyl ethyl ketone	ND	50.0									
Methylene chloride	ND	5.00									
o-Xylene	ND	5.00									
Styrene	ND	20.0									
Tetrachloroethene	ND	5.00									
Toluene	ND	5.00									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: R5014

Sample ID: blk	SampType: mblk	TestCode: sw_8260liq	Units: µg/L	Prep Date:	RunNo: 5014
Client ID: ZZZZZZ	Batch ID: R5014	TestNo: SW8260B		Analysis Date: 2/19/2009	SeqNo: 56805

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	10.0									
trans-1,3-Dichloropropene	ND	5.00									
Trichloroethene	ND	5.00									
Vinyl acetate	ND	10.0									
Vinyl chloride	ND	5.00									
Surr: 4-Bromofluorobenzene	91.4		100.0		91.4	86	115				
Surr: Dibromofluoromethane	93.0		100.0		93.0	86	118				
Surr: Toluene-d8	99.6		100.0		99.6	88	110				

Sample ID: blk	SampType: mblk	TestCode: sw_8260sol	Units: µg/Kg	Prep Date:	RunNo: 5014
Client ID: PBS	Batch ID: R5014	TestNo: SW8260B		Analysis Date: 2/19/2009	SeqNo: 56828

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	5.00									
1,1,2,2-Tetrachloroethane	ND	5.00									
1,1,2-Trichloroethane	ND	5.00									
1,1-Dichloroethane	ND	5.00									
1,1-Dichloroethene	ND	5.00									
1,2-Dichloroethane	ND	5.00									
1,2-Dichloropropane	ND	5.00									
2-Hexanone	ND	100									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	100									
Benzene	ND	5.00									
Bromodichloromethane	ND	5.00									
Bromoform	ND	5.00									
Bromomethane	ND	5.00									
Carbon disulfide	ND	5.00									
Carbon tetrachloride	ND	5.00									
Chlorobenzene	ND	5.00									
Chloroethane	ND	5.00									

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

CLIENT: URS Corp.
Work Order: 0902309
Project: Detrex

QC SUMMARY REPORT

BatchID: **R5014**

Sample ID: **blk**	SampType: **mblk**	TestCode: **sw_8260sol**	Units: **µg/Kg**	Prep Date:	RunNo: **5014**
Client ID: **PBS**	Batch ID: **R5014**	TestNo: **SW8260B**		Analysis Date: **2/19/2009**	SeqNo: **56828**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	ND	5.00									
Chloromethane	ND	10.0									
cis-1,2-Dichloroethene	ND	5.00									
cis-1,3-Dichloropropene	ND	5.00									
Dibromochloromethane	ND	5.00									
Ethylbenzene	ND	5.00									
m,p-Xylene	ND	10.0									
Methyl ethyl ketone	ND	20.0									
Methylene chloride	ND	20.0									
o-Xylene	ND	5.00									
Styrene	ND	5.00									
Tetrachloroethene	ND	5.00									
Toluene	ND	5.00									
trans-1,2-Dichloroethene	ND	5.00									
trans-1,3-Dichloropropene	ND	5.00									
Trichloroethene	ND	5.00									
Vinyl acetate	ND	10.0									
Vinyl chloride	ND	5.00									
Surr: 4-Bromofluorobenzene	91.2		100.0		91.2	64	115				
Surr: Dibromofluoromethane	92.5		100.0		92.5	84	142				
Surr: Toluene-d8	98.9		100.0		98.9	75	117				

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	E	Value above quantitation range	H	Holding times for preparation or analys
M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit	P	Second column confirmation exceeds
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit (PQL)	S	Spike outside acceptance limits

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

March 02, 2009

Brian Egan
URS Corp.
1375 Euclid Avenue
Cleveland, OH 44115

TEL: (216) 622-2400
FAX: (216) 622-2464

RE: Detrex

Order No.: 0902313

Dear Brian Egan:

Precision Analytical, Inc. received 8 sample(s) on 2/12/2009 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in an attached Case Narrative. Quality control data is within laboratory defined or method specified acceptance limits except if noted.

Solid samples are reported in ug/Kg or mg/Kg as received, unless specified in the units as dry weight. Unless otherwise noted, results have not been background or blank corrected.

If you have any questions regarding these tests results, please feel free to call.

Certifications: Ohio EPA - 4041; NELAC NY - 11167; NELAC PA - 68-00434;
NELAC IL - 001922; W.Va DEP - 245; KY UST - 69

Sincerely,

Scott Bolam

Scott Bolam
QA/QC Manager

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: 0902313

Date Reported: 3/2/2009

CLIENT: URS Corp.

Collection Date: 2/11/2009 11:52:00 AM

Project: Detrex

Lab ID: 0902313-001

Matrix: LIQUID

Client Sample ID DETWMW-1S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
1,2-Dichlorobenzene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
1,3-Dichlorobenzene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
1,4-Dichlorobenzene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
2,4,5-Trichlorophenol	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
2,4,6-Trichlorophenol	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
2,4-Dichlorophenol	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
2,4-Dimethylphenol	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
2,4-Dinitrophenol	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
2,4-Dinitrotoluene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
2,6-Dinitrotoluene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
2-Chloronaphthalene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
2-Chlorophenol	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
2-Methylnaphthalene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
2-Methylphenol	ND	22.5		µg/L	1	2/25/2009 3:14:00 PM
2-Nitroaniline	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
2-Nitrophenol	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
3&4 Methylphenol	ND	22.5		µg/L	1	2/25/2009 3:14:00 PM
3,3´-Dichlorobenzidine	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
3-Nitroaniline	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
4,6-Dinitro-2-methylphenol	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
4-Bromophenyl phenyl ether	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
4-Chloro-3-methylphenol	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
4-Chloroaniline	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
4-Chlorophenyl phenyl ether	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
4-Nitroaniline	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
4-Nitrophenol	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Acenaphthene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Acenaphthylene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Anthracene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Benz(a)anthracene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Benzo(a)pyrene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Benzo(b)fluoranthene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Benzo(g,h,i)perylene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.
4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp. **Collection Date:** 2/11/2009 11:52:00 AM

Project: Detrex

Lab ID: 0902313-001 **Matrix:** LIQUID

Client Sample ID DETWMW-1S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Benzoic acid	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Benzyl alcohol	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Bis(2-chloroethoxy)methane	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Bis(2-chloroethyl) ether	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Bis(2-chloroisopropyl) ether	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Bis(2-ethylhexyl) phthalate	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Butyl benzyl phthalate	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Chrysene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Dibenz(a,h)anthracene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Dibenzofuran	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Diethyl phthalate	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Dimethyl phthalate	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Di-n-butyl phthalate	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Di-n-octyl phthalate	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Fluoranthene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Fluorene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Hexachlorobenzene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Hexachlorobutadiene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Hexachlorocyclopentadiene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Hexachloroethane	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Indeno(1,2,3-cd)pyrene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Isophorone	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Naphthalene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Nitrobenzene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
N-Nitrosodi-n-propylamine	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
N-Nitrosodiphenylamine	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Pentachlorophenol	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Phenanthrene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Phenol	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Pyrene	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Pyridine	ND	11.2		µg/L	1	2/25/2009 3:14:00 PM
Surr: 2,4,6-Tribromophenol	83.2	10-123		%REC	1	2/25/2009 3:14:00 PM
Surr: 2-Fluorobiphenyl	49.4	43-116		%REC	1	2/25/2009 3:14:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp. **Collection Date:** 2/11/2009 11:52:00 AM

Project: Detrex

Lab ID: 0902313-001 **Matrix:** LIQUID

Client Sample ID DETWMW-1S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
Surr: 2-Fluorophenol	24.6	21-100		%REC	1	2/25/2009 3:14:00 PM
Surr: Nitrobenzene-d5	47.9	35-114		%REC	1	2/25/2009 3:14:00 PM
Surr: Phenol-d6	21.9	10-100		%REC	1	2/25/2009 3:14:00 PM
Surr: Terphenyl-d14	78.5	33-141		%REC	1	2/25/2009 3:14:00 PM
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
1,1,2,2-Tetrachloroethane	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
1,2-Dichloroethane	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
1,2-Dichloropropane	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
2-Hexanone	ND	10.0		µg/L	1	2/19/2009 1:15:00 PM
4-Methyl-2-pentanone	ND	100		µg/L	1	2/19/2009 1:15:00 PM
Acetone	ND	50.0		µg/L	1	2/19/2009 1:15:00 PM
Benzene	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
Bromodichloromethane	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
Bromoform	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
Bromomethane	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
Carbon disulfide	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
Carbon tetrachloride	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
Chlorobenzene	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
Chloroethane	ND	10.0		µg/L	1	2/19/2009 1:15:00 PM
Chloroform	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
Chloromethane	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
cis-1,2-Dichloroethene	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
cis-1,3-Dichloropropene	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
Dibromochloromethane	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
Ethylbenzene	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
m,p-Xylene	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
Methyl ethyl ketone	ND	50.0		µg/L	1	2/19/2009 1:15:00 PM
Methylene chloride	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp.

Collection Date: 2/11/2009 11:52:00 AM

Project: Detrex

Lab ID: 0902313-001

Matrix: LIQUID

Client Sample ID DETWMW-1S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
Styrene	ND	20.0		µg/L	1	2/19/2009 1:15:00 PM
Tetrachloroethene	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
Toluene	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
trans-1,2-Dichloroethene	ND	10.0		µg/L	1	2/19/2009 1:15:00 PM
trans-1,3-Dichloropropene	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
Trichloroethene	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
Vinyl acetate	ND	10.0		µg/L	1	2/19/2009 1:15:00 PM
Vinyl chloride	ND	5.00		µg/L	1	2/19/2009 1:15:00 PM
Surr: 4-Bromofluorobenzene	91.8	86-115		%REC	1	2/19/2009 1:15:00 PM
Surr: Dibromofluoromethane	94.0	86-118		%REC	1	2/19/2009 1:15:00 PM
Surr: Toluene-d8	99.1	88-110		%REC	1	2/19/2009 1:15:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp. **Collection Date:** 2/11/2009 12:12:00 PM

Project: Detrex

Lab ID: 0902313-002 **Matrix:** LIQUID

Client Sample ID DETWMW-2D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
1,2-Dichlorobenzene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
1,3-Dichlorobenzene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
1,4-Dichlorobenzene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
2,4,5-Trichlorophenol	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
2,4,6-Trichlorophenol	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
2,4-Dichlorophenol	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
2,4-Dimethylphenol	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
2,4-Dinitrophenol	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
2,4-Dinitrotoluene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
2,6-Dinitrotoluene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
2-Chloronaphthalene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
2-Chlorophenol	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
2-Methylnaphthalene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
2-Methylphenol	ND	21.7		µg/L	1	2/25/2009 5:59:00 PM
2-Nitroaniline	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
2-Nitrophenol	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
3&4 Methylphenol	ND	21.7		µg/L	1	2/25/2009 5:59:00 PM
3,3'-Dichlorobenzidine	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
3-Nitroaniline	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
4,6-Dinitro-2-methylphenol	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
4-Bromophenyl phenyl ether	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
4-Chloro-3-methylphenol	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
4-Chloroaniline	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
4-Chlorophenyl phenyl ether	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
4-Nitroaniline	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
4-Nitrophenol	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Acenaphthene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Acenaphthylene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Anthracene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Benz(a)anthracene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Benzo(a)pyrene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Benzo(b)fluoranthene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Benzo(g,h,i)perylene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp.

Collection Date: 2/11/2009 12:12:00 PM

Project: Detrex

Lab ID: 0902313-002

Matrix: LIQUID

Client Sample ID DETWMW-2D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
Benzo(k)fluoranthene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Benzoic acid	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Benzyl alcohol	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Bis(2-chloroethoxy)methane	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Bis(2-chloroethyl) ether	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Bis(2-chloroisopropyl) ether	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Bis(2-ethylhexyl) phthalate	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Butyl benzyl phthalate	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Chrysene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Dibenz(a,h)anthracene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Dibenzofuran	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Diethyl phthalate	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Dimethyl phthalate	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Di-n-butyl phthalate	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Di-n-octyl phthalate	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Fluoranthene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Fluorene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Hexachlorobenzene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Hexachlorobutadiene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Hexachlorocyclopentadiene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Hexachloroethane	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Indeno(1,2,3-cd)pyrene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Isophorone	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Naphthalene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Nitrobenzene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
N-Nitrosodi-n-propylamine	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
N-Nitrosodiphenylamine	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Pentachlorophenol	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Phenanthrene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Phenol	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Pyrene	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Pyridine	ND	10.9		µg/L	1	2/25/2009 5:59:00 PM
Surr: 2,4,6-Tribromophenol	97.3	10-123		%REC	1	2/25/2009 5:59:00 PM
Surr: 2-Fluorobiphenyl	53.8	43-116		%REC	1	2/25/2009 5:59:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: 0902313

Date Reported: 3/2/2009

CLIENT: URS Corp.

Collection Date: 2/11/2009 12:12:00 PM

Project: Detrex

Lab ID: 0902313-002

Matrix: LIQUID

Client Sample ID DETWMW-2D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	28.8	21-100		%REC	1	2/25/2009 5:59:00 PM
Surr: Nitrobenzene-d5	50.7	35-114		%REC	1	2/25/2009 5:59:00 PM
Surr: Phenol-d6	21.9	10-100		%REC	1	2/25/2009 5:59:00 PM
Surr: Terphenyl-d14	77.2	33-141		%REC	1	2/25/2009 5:59:00 PM
TCL VOC, LIQUID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
1,1,2,2-Tetrachloroethane	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
1,2-Dichloroethane	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
1,2-Dichloropropane	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
2-Hexanone	ND	10.0		µg/L	1	2/19/2009 1:40:00 PM
4-Methyl-2-pentanone	ND	100		µg/L	1	2/19/2009 1:40:00 PM
Acetone	ND	50.0		µg/L	1	2/19/2009 1:40:00 PM
Benzene	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
Bromodichloromethane	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
Bromoform	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
Bromomethane	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
Carbon disulfide	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
Carbon tetrachloride	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
Chlorobenzene	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
Chloroethane	ND	10.0		µg/L	1	2/19/2009 1:40:00 PM
Chloroform	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
Chloromethane	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
cis-1,2-Dichloroethene	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
cis-1,3-Dichloropropene	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
Dibromochloromethane	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
Ethylbenzene	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
m,p-Xylene	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
Methyl ethyl ketone	ND	50.0		µg/L	1	2/19/2009 1:40:00 PM
Methylene chloride	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp. **Collection Date:** 2/11/2009 12:12:00 PM

Project: Detrex

Lab ID: 0902313-002 **Matrix:** LIQUID

Client Sample ID DETWMW-2D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
Styrene	ND	20.0		µg/L	1	2/19/2009 1:40:00 PM
Tetrachloroethene	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
Toluene	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
trans-1,2-Dichloroethene	ND	10.0		µg/L	1	2/19/2009 1:40:00 PM
trans-1,3-Dichloropropene	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
Trichloroethene	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
Vinyl acetate	ND	10.0		µg/L	1	2/19/2009 1:40:00 PM
Vinyl chloride	ND	5.00		µg/L	1	2/19/2009 1:40:00 PM
Surr: 4-Bromofluorobenzene	91.3	86-115		%REC	1	2/19/2009 1:40:00 PM
Surr: Dibromofluoromethane	94.6	86-118		%REC	1	2/19/2009 1:40:00 PM
Surr: Toluene-d8	99.0	88-110		%REC	1	2/19/2009 1:40:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 0902313

Date Reported: 3/2/2009

CLIENT: URS Corp.

Collection Date: 2/11/2009 12:20:00 PM

Project: Detrex

Lab ID: 0902313-003

Matrix: LIQUID

Client Sample ID DETWMW-2S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
1,2-Dichlorobenzene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
1,3-Dichlorobenzene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
1,4-Dichlorobenzene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
2,4,5-Trichlorophenol	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
2,4,6-Trichlorophenol	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
2,4-Dichlorophenol	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
2,4-Dimethylphenol	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
2,4-Dinitrophenol	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
2,4-Dinitrotoluene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
2,6-Dinitrotoluene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
2-Chloronaphthalene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
2-Chlorophenol	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
2-Methylnaphthalene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
2-Methylphenol	ND	22.5		µg/L	1	2/25/2009 6:40:00 PM
2-Nitroaniline	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
2-Nitrophenol	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
3&4 Methylphenol	ND	22.5		µg/L	1	2/25/2009 6:40:00 PM
3,3'-Dichlorobenzidine	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
3-Nitroaniline	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
4,6-Dinitro-2-methylphenol	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
4-Bromophenyl phenyl ether	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
4-Chloro-3-methylphenol	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
4-Chloroaniline	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
4-Chlorophenyl phenyl ether	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
4-Nitroaniline	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
4-Nitrophenol	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Acenaphthene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Acenaphthylene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Anthracene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Benz(a)anthracene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Benzo(a)pyrene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Benzo(b)fluoranthene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Benzo(g,h,i)perylene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
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TEL: (216) 663-0808
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Website:
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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp. **Collection Date:** 2/11/2009 12:20:00 PM

Project: Detrex

Lab ID: 0902313-003 **Matrix:** LIQUID

Client Sample ID DETWMW-2S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Benzoic acid	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Benzyl alcohol	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Bis(2-chloroethoxy)methane	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Bis(2-chloroethyl) ether	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Bis(2-chloroisopropyl) ether	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Bis(2-ethylhexyl) phthalate	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Butyl benzyl phthalate	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Chrysene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Dibenz(a,h)anthracene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Dibenzofuran	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Diethyl phthalate	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Dimethyl phthalate	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Di-n-butyl phthalate	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Di-n-octyl phthalate	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Fluoranthene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Fluorene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Hexachlorobenzene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Hexachlorobutadiene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Hexachlorocyclopentadiene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Hexachloroethane	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Indeno(1,2,3-cd)pyrene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Isophorone	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Naphthalene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Nitrobenzene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
N-Nitrosodi-n-propylamine	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
N-Nitrosodiphenylamine	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Pentachlorophenol	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Phenanthrene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Phenol	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Pyrene	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Pyridine	ND	11.2		µg/L	1	2/25/2009 6:40:00 PM
Surr: 2,4,6-Tribromophenol	71.7	10-123		%REC	1	2/25/2009 6:40:00 PM
Surr: 2-Fluorobiphenyl	36.0	43-116	S	%REC	1	2/25/2009 6:40:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp. **Collection Date:** 2/11/2009 12:20:00 PM

Project: Detrex

Lab ID: 0902313-003 **Matrix:** LIQUID

Client Sample ID DETWMW-2S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	27.6	21-100		%REC	1	2/25/2009 6:40:00 PM
Surr: Nitrobenzene-d5	54.6	35-114		%REC	1	2/25/2009 6:40:00 PM
Surr: Phenol-d6	20.6	10-100		%REC	1	2/25/2009 6:40:00 PM
Surr: Terphenyl-d14	80.1	33-141		%REC	1	2/25/2009 6:40:00 PM
TCL VOC, LIQUID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
1,1,2,2-Tetrachloroethane	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
1,2-Dichloroethane	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
1,2-Dichloropropane	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
2-Hexanone	ND	10.0		µg/L	1	2/19/2009 2:05:00 PM
4-Methyl-2-pentanone	ND	100		µg/L	1	2/19/2009 2:05:00 PM
Acetone	ND	50.0		µg/L	1	2/19/2009 2:05:00 PM
Benzene	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
Bromodichloromethane	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
Bromoform	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
Bromomethane	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
Carbon disulfide	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
Carbon tetrachloride	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
Chlorobenzene	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
Chloroethane	ND	10.0		µg/L	1	2/19/2009 2:05:00 PM
Chloroform	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
Chloromethane	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
cis-1,2-Dichloroethene	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
cis-1,3-Dichloropropene	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
Dibromochloromethane	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
Ethylbenzene	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
m,p-Xylene	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
Methyl ethyl ketone	ND	50.0		µg/L	1	2/19/2009 2:05:00 PM
Methylene chloride	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp.

Collection Date: 2/11/2009 12:20:00 PM

Project: Detrex

Lab ID: 0902313-003

Matrix: LIQUID

Client Sample ID DETWMW-2S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
Styrene	ND	20.0		µg/L	1	2/19/2009 2:05:00 PM
Tetrachloroethene	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
Toluene	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
trans-1,2-Dichloroethene	ND	10.0		µg/L	1	2/19/2009 2:05:00 PM
trans-1,3-Dichloropropene	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
Trichloroethene	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
Vinyl acetate	ND	10.0		µg/L	1	2/19/2009 2:05:00 PM
Vinyl chloride	ND	5.00		µg/L	1	2/19/2009 2:05:00 PM
Surr: 4-Bromofluorobenzene	93.2	86-115		%REC	1	2/19/2009 2:05:00 PM
Surr: Dibromofluoromethane	92.0	86-118		%REC	1	2/19/2009 2:05:00 PM
Surr: Toluene-d8	99.4	88-110		%REC	1	2/19/2009 2:05:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 0902313

Date Reported: 3/2/2009

CLIENT: URS Corp. **Collection Date:** 2/11/2009 12:30:00 PM

Project: Detrex

Lab ID: 0902313-004 **Matrix:** LIQUID

Client Sample ID DETWMW-2S (D)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
1,2-Dichlorobenzene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
1,3-Dichlorobenzene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
1,4-Dichlorobenzene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
2,4,5-Trichlorophenol	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
2,4,6-Trichlorophenol	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
2,4-Dichlorophenol	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
2,4-Dimethylphenol	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
2,4-Dinitrophenol	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
2,4-Dinitrotoluene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
2,6-Dinitrotoluene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
2-Chloronaphthalene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
2-Chlorophenol	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
2-Methylnaphthalene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
2-Methylphenol	ND	22.0		µg/L	1	2/26/2009 1:43:00 PM
2-Nitroaniline	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
2-Nitrophenol	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
3&4 Methylphenol	ND	22.0		µg/L	1	2/26/2009 1:43:00 PM
3,3'-Dichlorobenzidine	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
3-Nitroaniline	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
4,6-Dinitro-2-methylphenol	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
4-Bromophenyl phenyl ether	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
4-Chloro-3-methylphenol	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
4-Chloroaniline	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
4-Chlorophenyl phenyl ether	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
4-Nitroaniline	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
4-Nitrophenol	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Acenaphthene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Acenaphthylene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Anthracene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Benz(a)anthracene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Benzo(a)pyrene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Benzo(b)fluoranthene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Benzo(g,h,i)perylene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp. **Collection Date:** 2/11/2009 12:30:00 PM

Project: Detrex

Lab ID: 0902313-004 **Matrix:** LIQUID

Client Sample ID DETWMW-2S (D)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Benzoic acid	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Benzyl alcohol	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Bis(2-chloroethoxy)methane	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Bis(2-chloroethyl) ether	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Bis(2-chloroisopropyl) ether	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Bis(2-ethylhexyl) phthalate	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Butyl benzyl phthalate	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Chrysene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Dibenz(a,h)anthracene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Dibenzofuran	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Diethyl phthalate	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Dimethyl phthalate	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Di-n-butyl phthalate	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Di-n-octyl phthalate	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Fluoranthene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Fluorene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Hexachlorobenzene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Hexachlorobutadiene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Hexachlorocyclopentadiene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Hexachloroethane	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Indeno(1,2,3-cd)pyrene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Isophorone	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Naphthalene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Nitrobenzene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
N-Nitrosodi-n-propylamine	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
N-Nitrosodiphenylamine	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Pentachlorophenol	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Phenanthrene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Phenol	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Pyrene	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Pyridine	ND	11.0		µg/L	1	2/26/2009 1:43:00 PM
Surr: 2,4,6-Tribromophenol	70.0	10-123		%REC	1	2/26/2009 1:43:00 PM
Surr: 2-Fluorobiphenyl	53.6	43-116		%REC	1	2/26/2009 1:43:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 0902313

Date Reported: 3/2/2009

CLIENT: URS Corp.

Collection Date: 2/11/2009 12:30:00 PM

Project: Detrex

Lab ID: 0902313-004

Matrix: LIQUID

Client Sample ID DETWMW-2S (D)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	27.0	21-100		%REC	1	2/26/2009 1:43:00 PM
Surr: Nitrobenzene-d5	58.2	35-114		%REC	1	2/26/2009 1:43:00 PM
Surr: Phenol-d6	18.7	10-100		%REC	1	2/26/2009 1:43:00 PM
Surr: Terphenyl-d14	79.9	33-141		%REC	1	2/26/2009 1:43:00 PM
TCL VOC, LIQUID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
1,1,2,2-Tetrachloroethane	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
1,2-Dichloroethane	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
1,2-Dichloropropane	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
2-Hexanone	ND	10.0		µg/L	1	2/19/2009 2:30:00 PM
4-Methyl-2-pentanone	ND	100		µg/L	1	2/19/2009 2:30:00 PM
Acetone	ND	50.0		µg/L	1	2/19/2009 2:30:00 PM
Benzene	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
Bromodichloromethane	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
Bromoform	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
Bromomethane	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
Carbon disulfide	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
Carbon tetrachloride	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
Chlorobenzene	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
Chloroethane	ND	10.0		µg/L	1	2/19/2009 2:30:00 PM
Chloroform	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
Chloromethane	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
cis-1,2-Dichloroethene	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
cis-1,3-Dichloropropene	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
Dibromochloromethane	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
Ethylbenzene	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
m,p-Xylene	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
Methyl ethyl ketone	ND	50.0		µg/L	1	2/19/2009 2:30:00 PM
Methylene chloride	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
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TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp. **Collection Date:** 2/11/2009 12:30:00 PM

Project: Detrex

Lab ID: 0902313-004 **Matrix:** LIQUID

Client Sample ID DETWMW-2S (D)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
o-Xylene	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
Styrene	ND	20.0		µg/L	1	2/19/2009 2:30:00 PM
Tetrachloroethene	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
Toluene	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
trans-1,2-Dichloroethene	ND	10.0		µg/L	1	2/19/2009 2:30:00 PM
trans-1,3-Dichloropropene	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
Trichloroethene	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
Vinyl acetate	ND	10.0		µg/L	1	2/19/2009 2:30:00 PM
Vinyl chloride	ND	5.00		µg/L	1	2/19/2009 2:30:00 PM
Surr: 4-Bromofluorobenzene	91.3	86-115		%REC	1	2/19/2009 2:30:00 PM
Surr: Dibromofluoromethane	92.9	86-118		%REC	1	2/19/2009 2:30:00 PM
Surr: Toluene-d8	99.4	88-110		%REC	1	2/19/2009 2:30:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp.

Collection Date: 2/11/2009 1:00:00 PM

Project: Detrex

Lab ID: 0902313-005

Matrix: LIQUID

Client Sample ID DETWMW-3D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
1,2-Dichlorobenzene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
1,3-Dichlorobenzene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
1,4-Dichlorobenzene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
2,4,5-Trichlorophenol	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
2,4,6-Trichlorophenol	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
2,4-Dichlorophenol	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
2,4-Dimethylphenol	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
2,4-Dinitrophenol	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
2,4-Dinitrotoluene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
2,6-Dinitrotoluene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
2-Chloronaphthalene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
2-Chlorophenol	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
2-Methylnaphthalene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
2-Methylphenol	ND	22.0		µg/L	1	2/26/2009 11:39:00 AM
2-Nitroaniline	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
2-Nitrophenol	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
3&4 Methylphenol	ND	22.0		µg/L	1	2/26/2009 11:39:00 AM
3,3´-Dichlorobenzidine	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
3-Nitroaniline	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
4,6-Dinitro-2-methylphenol	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
4-Bromophenyl phenyl ether	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
4-Chloro-3-methylphenol	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
4-Chloroaniline	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
4-Chlorophenyl phenyl ether	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
4-Nitroaniline	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
4-Nitrophenol	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Acenaphthene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Acenaphthylene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Anthracene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Benz(a)anthracene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Benzo(a)pyrene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Benzo(b)fluoranthene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Benzo(g,h,i)perylene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp.

Collection Date: 2/11/2009 1:00:00 PM

Project: Detrex

Lab ID: 0902313-005

Matrix: LIQUID

Client Sample ID DETWMW-3D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Benzoic acid	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Benzyl alcohol	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Bis(2-chloroethoxy)methane	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Bis(2-chloroethyl) ether	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Bis(2-chloroisopropyl) ether	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Bis(2-ethylhexyl) phthalate	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Butyl benzyl phthalate	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Chrysene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Dibenz(a,h)anthracene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Dibenzofuran	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Diethyl phthalate	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Dimethyl phthalate	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Di-n-butyl phthalate	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Di-n-octyl phthalate	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Fluoranthene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Fluorene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Hexachlorobenzene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Hexachlorobutadiene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Hexachlorocyclopentadiene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Hexachloroethane	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Indeno(1,2,3-cd)pyrene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Isophorone	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Naphthalene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Nitrobenzene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
N-Nitrosodi-n-propylamine	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
N-Nitrosodiphenylamine	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Pentachlorophenol	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Phenanthrene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Phenol	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Pyrene	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Pyridine	ND	11.0		µg/L	1	2/26/2009 11:39:00 AM
Surr: 2,4,6-Tribromophenol	66.3	10-123		%REC	1	2/26/2009 11:39:00 AM
Surr: 2-Fluorobiphenyl	46.4	43-116		%REC	1	2/26/2009 11:39:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

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Analytical Report

(consolidated)

WO#: 0902313

Date Reported: 3/2/2009

CLIENT: URS Corp.

Collection Date: 2/11/2009 1:00:00 PM

Project: Detrex

Lab ID: 0902313-005

Matrix: LIQUID

Client Sample ID DETWMW-3D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Surr: 2-Fluorophenol	24.5	21-100		%REC	1	2/26/2009 11:39:00 AM
Surr: Nitrobenzene-d5	50.4	35-114		%REC	1	2/26/2009 11:39:00 AM
Surr: Phenol-d6	20.2	10-100		%REC	1	2/26/2009 11:39:00 AM
Surr: Terphenyl-d14	71.9	33-141		%REC	1	2/26/2009 11:39:00 AM
TCL VOC, LIQUID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
1,1,1-Trichloroethane	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
1,1,2,2-Tetrachloroethane	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
1,2-Dichloroethane	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
1,2-Dichloropropane	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
2-Hexanone	ND	10.0		µg/L	1	2/19/2009 2:55:00 PM
4-Methyl-2-pentanone	ND	100		µg/L	1	2/19/2009 2:55:00 PM
Acetone	ND	50.0		µg/L	1	2/19/2009 2:55:00 PM
Benzene	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
Bromodichloromethane	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
Bromoform	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
Bromomethane	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
Carbon disulfide	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
Carbon tetrachloride	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
Chlorobenzene	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
Chloroethane	ND	10.0		µg/L	1	2/19/2009 2:55:00 PM
Chloroform	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
Chloromethane	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
cis-1,2-Dichloroethene	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
cis-1,3-Dichloropropene	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
Dibromochloromethane	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
Ethylbenzene	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
m,p-Xylene	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
Methyl ethyl ketone	ND	50.0		µg/L	1	2/19/2009 2:55:00 PM
Methylene chloride	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp.

Collection Date: 2/11/2009 1:00:00 PM

Project: Detrex

Lab ID: 0902313-005

Matrix: LIQUID

Client Sample ID DETWMW-3D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
Styrene	ND	20.0		µg/L	1	2/19/2009 2:55:00 PM
Tetrachloroethene	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
Toluene	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
trans-1,2-Dichloroethene	ND	10.0		µg/L	1	2/19/2009 2:55:00 PM
trans-1,3-Dichloropropene	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
Trichloroethene	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
Vinyl acetate	ND	10.0		µg/L	1	2/19/2009 2:55:00 PM
Vinyl chloride	ND	5.00		µg/L	1	2/19/2009 2:55:00 PM
Surr: 4-Bromofluorobenzene	93.1	86-115		%REC	1	2/19/2009 2:55:00 PM
Surr: Dibromofluoromethane	92.3	86-118		%REC	1	2/19/2009 2:55:00 PM
Surr: Toluene-d8	99.7	88-110		%REC	1	2/19/2009 2:55:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp. **Collection Date:** 2/11/2009 1:10:00 PM

Project: Detrex

Lab ID: 0902313-006 **Matrix:** LIQUID

Client Sample ID DETWMW-3S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
1,2,4-Trichlorobenzene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
1,2-Dichlorobenzene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
1,3-Dichlorobenzene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
1,4-Dichlorobenzene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
2,4,5-Trichlorophenol	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
2,4,6-Trichlorophenol	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
2,4-Dichlorophenol	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
2,4-Dimethylphenol	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
2,4-Dinitrophenol	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
2,4-Dinitrotoluene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
2,6-Dinitrotoluene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
2-Chloronaphthalene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
2-Chlorophenol	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
2-Methylnaphthalene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
2-Methylphenol	ND	20.0		µg/L	1	2/26/2009 12:20:00 PM
2-Nitroaniline	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
2-Nitrophenol	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
3&4 Methylphenol	ND	20.0		µg/L	1	2/26/2009 12:20:00 PM
3,3´-Dichlorobenzidine	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
3-Nitroaniline	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
4,6-Dinitro-2-methylphenol	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
4-Bromophenyl phenyl ether	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
4-Chloro-3-methylphenol	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
4-Chloroaniline	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
4-Chlorophenyl phenyl ether	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
4-Nitroaniline	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
4-Nitrophenol	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Acenaphthene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Acenaphthylene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Anthracene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Benz(a)anthracene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Benzo(a)pyrene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Benzo(b)fluoranthene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Benzo(g,h,i)perylene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: 0902313

Date Reported: 3/2/2009

CLIENT: URS Corp. **Collection Date:** 2/11/2009 1:10:00 PM

Project: Detrex

Lab ID: 0902313-006 **Matrix:** LIQUID

Client Sample ID DETWMW-3S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Benzoic acid	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Benzyl alcohol	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Bis(2-chloroethoxy)methane	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Bis(2-chloroethyl) ether	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Bis(2-chloroisopropyl) ether	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Bis(2-ethylhexyl) phthalate	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Butyl benzyl phthalate	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Chrysene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Dibenz(a,h)anthracene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Dibenzofuran	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Diethyl phthalate	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Dimethyl phthalate	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Di-n-butyl phthalate	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Di-n-octyl phthalate	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Fluoranthene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Fluorene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Hexachlorobenzene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Hexachlorobutadiene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Hexachlorocyclopentadiene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Hexachloroethane	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Indeno(1,2,3-cd)pyrene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Isophorone	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Naphthalene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Nitrobenzene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
N-Nitrosodi-n-propylamine	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
N-Nitrosodiphenylamine	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Pentachlorophenol	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Phenanthrene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Phenol	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Pyrene	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Pyridine	ND	10.0		µg/L	1	2/26/2009 12:20:00 PM
Surr: 2,4,6-Tribromophenol	77.9	10-123		%REC	1	2/26/2009 12:20:00 PM
Surr: 2-Fluorobiphenyl	48.8	43-116		%REC	1	2/26/2009 12:20:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp. **Collection Date:** 2/11/2009 1:10:00 PM

Project: Detrex

Lab ID: 0902313-006 **Matrix:** LIQUID

Client Sample ID DETWMW-3S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
Surr: 2-Fluorophenol	33.1	21-100		%REC	1	2/26/2009 12:20:00 PM
Surr: Nitrobenzene-d5	61.4	35-114		%REC	1	2/26/2009 12:20:00 PM
Surr: Phenol-d6	21.1	10-100		%REC	1	2/26/2009 12:20:00 PM
Surr: Terphenyl-d14	78.1	33-141		%REC	1	2/26/2009 12:20:00 PM
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
1,1,2,2-Tetrachloroethane	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
1,2-Dichloroethane	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
1,2-Dichloropropane	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
2-Hexanone	ND	10.0		µg/L	1	2/19/2009 3:20:00 PM
4-Methyl-2-pentanone	ND	100		µg/L	1	2/19/2009 3:20:00 PM
Acetone	ND	50.0		µg/L	1	2/19/2009 3:20:00 PM
Benzene	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
Bromodichloromethane	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
Bromoform	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
Bromomethane	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
Carbon disulfide	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
Carbon tetrachloride	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
Chlorobenzene	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
Chloroethane	ND	10.0		µg/L	1	2/19/2009 3:20:00 PM
Chloroform	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
Chloromethane	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
cis-1,2-Dichloroethene	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
cis-1,3-Dichloropropene	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
Dibromochloromethane	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
Ethylbenzene	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
m,p-Xylene	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
Methyl ethyl ketone	ND	50.0		µg/L	1	2/19/2009 3:20:00 PM
Methylene chloride	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp. **Collection Date:** 2/11/2009 1:10:00 PM

Project: Detrex

Lab ID: 0902313-006 **Matrix:** LIQUID

Client Sample ID DETWMW-3S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
Styrene	ND	20.0		µg/L	1	2/19/2009 3:20:00 PM
Tetrachloroethene	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
Toluene	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
trans-1,2-Dichloroethene	ND	10.0		µg/L	1	2/19/2009 3:20:00 PM
trans-1,3-Dichloropropene	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
Trichloroethene	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
Vinyl acetate	ND	10.0		µg/L	1	2/19/2009 3:20:00 PM
Vinyl chloride	ND	5.00		µg/L	1	2/19/2009 3:20:00 PM
Surr: 4-Bromofluorobenzene	91.8	86-115		%REC	1	2/19/2009 3:20:00 PM
Surr: Dibromofluoromethane	93.0	86-118		%REC	1	2/19/2009 3:20:00 PM
Surr: Toluene-d8	99.6	88-110		%REC	1	2/19/2009 3:20:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp. **Collection Date:** 2/11/2009 1:30:00 PM

Project: Detrex

Lab ID: 0902313-007 **Matrix:** LIQUID

Client Sample ID DETWMW-4D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
1,2-Dichlorobenzene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
1,3-Dichlorobenzene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
1,4-Dichlorobenzene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
2,4,5-Trichlorophenol	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
2,4,6-Trichlorophenol	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
2,4-Dichlorophenol	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
2,4-Dimethylphenol	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
2,4-Dinitrophenol	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
2,4-Dinitrotoluene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
2,6-Dinitrotoluene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
2-Chloronaphthalene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
2-Chlorophenol	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
2-Methylnaphthalene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
2-Methylphenol	ND	20.0		µg/L	1	2/26/2009 1:02:00 PM
2-Nitroaniline	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
2-Nitrophenol	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
3&4 Methylphenol	ND	20.0		µg/L	1	2/26/2009 1:02:00 PM
3,3'-Dichlorobenzidine	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
3-Nitroaniline	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
4,6-Dinitro-2-methylphenol	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
4-Bromophenyl phenyl ether	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
4-Chloro-3-methylphenol	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
4-Chloroaniline	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
4-Chlorophenyl phenyl ether	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
4-Nitroaniline	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
4-Nitrophenol	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Acenaphthene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Acenaphthylene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Anthracene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Benz(a)anthracene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Benzo(a)pyrene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Benzo(b)fluoranthene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Benzo(g,h,i)perylene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp.

Collection Date: 2/11/2009 1:30:00 PM

Project: Detrex

Lab ID: 0902313-007

Matrix: LIQUID

Client Sample ID DETWMW-4D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Benzoic acid	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Benzyl alcohol	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Bis(2-chloroethoxy)methane	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Bis(2-chloroethyl) ether	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Bis(2-chloroisopropyl) ether	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Bis(2-ethylhexyl) phthalate	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Butyl benzyl phthalate	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Chrysene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Dibenz(a,h)anthracene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Dibenzofuran	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Diethyl phthalate	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Dimethyl phthalate	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Di-n-butyl phthalate	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Di-n-octyl phthalate	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Fluoranthene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Fluorene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Hexachlorobenzene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Hexachlorobutadiene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Hexachlorocyclopentadiene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Hexachloroethane	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Indeno(1,2,3-cd)pyrene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Isophorone	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Naphthalene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Nitrobenzene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
N-Nitrosodi-n-propylamine	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
N-Nitrosodiphenylamine	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Pentachlorophenol	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Phenanthrene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Phenol	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Pyrene	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Pyridine	ND	10.0		µg/L	1	2/26/2009 1:02:00 PM
Surr: 2,4,6-Tribromophenol	91.3	10-123		%REC	1	2/26/2009 1:02:00 PM
Surr: 2-Fluorobiphenyl	54.0	43-116		%REC	1	2/26/2009 1:02:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

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Analytical Report

(consolidated)

WO#: 0902313

Date Reported: 3/2/2009

CLIENT: URS Corp.

Collection Date: 2/11/2009 1:30:00 PM

Project: Detrex

Lab ID: 0902313-007

Matrix: LIQUID

Client Sample ID DETWMW-4D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
Surr: 2-Fluorophenol	39.8	21-100		%REC	1	2/26/2009 1:02:00 PM
Surr: Nitrobenzene-d5	58.8	35-114		%REC	1	2/26/2009 1:02:00 PM
Surr: Phenol-d6	29.1	10-100		%REC	1	2/26/2009 1:02:00 PM
Surr: Terphenyl-d14	85.8	33-141		%REC	1	2/26/2009 1:02:00 PM
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
1,1,2,2-Tetrachloroethane	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
1,2-Dichloroethane	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
1,2-Dichloropropane	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
2-Hexanone	ND	10.0		µg/L	1	2/19/2009 3:45:00 PM
4-Methyl-2-pentanone	ND	100		µg/L	1	2/19/2009 3:45:00 PM
Acetone	ND	50.0		µg/L	1	2/19/2009 3:45:00 PM
Benzene	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
Bromodichloromethane	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
Bromoform	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
Bromomethane	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
Carbon disulfide	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
Carbon tetrachloride	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
Chlorobenzene	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
Chloroethane	ND	10.0		µg/L	1	2/19/2009 3:45:00 PM
Chloroform	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
Chloromethane	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
cis-1,2-Dichloroethene	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
cis-1,3-Dichloropropene	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
Dibromochloromethane	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
Ethylbenzene	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
m,p-Xylene	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
Methyl ethyl ketone	ND	50.0		µg/L	1	2/19/2009 3:45:00 PM
Methylene chloride	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 Johnston Parkway Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website:
www.precisionanalytical.com

Analytical Report

(consolidated)

WO#: 0902313

Date Reported: 3/2/2009

CLIENT: URS Corp.

Collection Date: 2/11/2009 1:30:00 PM

Project: Detrex

Lab ID: 0902313-007

Matrix: LIQUID

Client Sample ID DETWMW-4D

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID				**SW8260B**		Analyst: **AC**
VOLATILE ORGANIC COMPOUNDS						
o-Xylene	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
Styrene	ND	20.0		µg/L	1	2/19/2009 3:45:00 PM
Tetrachloroethene	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
Toluene	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
trans-1,2-Dichloroethene	ND	10.0		µg/L	1	2/19/2009 3:45:00 PM
trans-1,3-Dichloropropene	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
Trichloroethene	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
Vinyl acetate	ND	10.0		µg/L	1	2/19/2009 3:45:00 PM
Vinyl chloride	ND	5.00		µg/L	1	2/19/2009 3:45:00 PM
Surr: 4-Bromofluorobenzene	91.6	86-115		%REC	1	2/19/2009 3:45:00 PM
Surr: Dibromofluoromethane	93.9	86-118		%REC	1	2/19/2009 3:45:00 PM
Surr: Toluene-d8	101	88-110		%REC	1	2/19/2009 3:45:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp.

Collection Date: 2/11/2009 1:42:00 PM

Project: Detrex

Lab ID: 0902313-008

Matrix: LIQUID

Client Sample ID DETWMW-4S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
1,2,4-Trichlorobenzene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
1,2-Dichlorobenzene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
1,3-Dichlorobenzene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
1,4-Dichlorobenzene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
2,4,5-Trichlorophenol	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
2,4,6-Trichlorophenol	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
2,4-Dichlorophenol	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
2,4-Dimethylphenol	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
2,4-Dinitrophenol	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
2,4-Dinitrotoluene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
2,6-Dinitrotoluene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
2-Chloronaphthalene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
2-Chlorophenol	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
2-Methylnaphthalene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
2-Methylphenol	ND	22.5		µg/L	1	2/25/2009 3:55:00 PM
2-Nitroaniline	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
2-Nitrophenol	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
3&4 Methylphenol	ND	22.5		µg/L	1	2/25/2009 3:55:00 PM
3,3´-Dichlorobenzidine	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
3-Nitroaniline	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
4,6-Dinitro-2-methylphenol	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
4-Bromophenyl phenyl ether	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
4-Chloro-3-methylphenol	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
4-Chloroaniline	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
4-Chlorophenyl phenyl ether	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
4-Nitroaniline	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
4-Nitrophenol	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Acenaphthene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Acenaphthylene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Anthracene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Benz(a)anthracene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Benzo(a)pyrene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Benzo(b)fluoranthene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Benzo(g,h,i)perylene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.
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Cleveland, OH 44128
TEL: (216) 663-0808
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Website:
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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp.

Collection Date: 2/11/2009 1:42:00 PM

Project: Detrex

Lab ID: 0902313-008

Matrix: LIQUID

Client Sample ID DETWMW-4S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID				**SW8270C**		Analyst: **AC**
SEMI-VOLATILE ORGANIC COMPOUNDS						
Benzo(k)fluoranthene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Benzoic acid	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Benzyl alcohol	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Bis(2-chloroethoxy)methane	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Bis(2-chloroethyl) ether	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Bis(2-chloroisopropyl) ether	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Bis(2-ethylhexyl) phthalate	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Butyl benzyl phthalate	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Chrysene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Dibenz(a,h)anthracene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Dibenzofuran	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Diethyl phthalate	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Dimethyl phthalate	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Di-n-butyl phthalate	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Di-n-octyl phthalate	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Fluoranthene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Fluorene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Hexachlorobenzene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Hexachlorobutadiene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Hexachlorocyclopentadiene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Hexachloroethane	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Indeno(1,2,3-cd)pyrene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Isophorone	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Naphthalene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Nitrobenzene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
N-Nitrosodi-n-propylamine	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
N-Nitrosodiphenylamine	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Pentachlorophenol	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Phenanthrene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Phenol	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Pyrene	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Pyridine	ND	11.2		µg/L	1	2/25/2009 3:55:00 PM
Surr: 2,4,6-Tribromophenol	68.9	10-123		%REC	1	2/25/2009 3:55:00 PM
Surr: 2-Fluorobiphenyl	46.8	43-116		%REC	1	2/25/2009 3:55:00 PM

Qualifiers:

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Analytical Report

(consolidated)

WO#: 0902313

Date Reported: 3/2/2009

CLIENT: URS Corp.

Collection Date: 2/11/2009 1:42:00 PM

Project: Detrex

Lab ID: 0902313-008

Matrix: LIQUID

Client Sample ID DETWMW-4S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL SEMI-VOLATILES, LIQUID SEMI-VOLATILE ORGANIC COMPOUNDS				**SW8270C**		Analyst: **AC**
Surr: 2-Fluorophenol	24.4	21-100		%REC	1	2/25/2009 3:55:00 PM
Surr: Nitrobenzene-d5	46.3	35-114		%REC	1	2/25/2009 3:55:00 PM
Surr: Phenol-d6	17.8	10-100		%REC	1	2/25/2009 3:55:00 PM
Surr: Terphenyl-d14	72.0	33-141		%REC	1	2/25/2009 3:55:00 PM
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
1,1,1-Trichloroethane	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
1,1,2,2-Tetrachloroethane	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
1,1-Dichloroethane	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
1,1-Dichloroethene	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
1,2-Dichloroethane	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
1,2-Dichloropropane	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
2-Hexanone	ND	10.0		µg/L	1	2/19/2009 11:34:00 AM
4-Methyl-2-pentanone	ND	100		µg/L	1	2/19/2009 11:34:00 AM
Acetone	ND	50.0		µg/L	1	2/19/2009 11:34:00 AM
Benzene	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
Bromodichloromethane	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
Bromoform	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
Bromomethane	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
Carbon disulfide	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
Carbon tetrachloride	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
Chlorobenzene	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
Chloroethane	ND	10.0		µg/L	1	2/19/2009 11:34:00 AM
Chloroform	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
Chloromethane	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
cis-1,2-Dichloroethene	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
cis-1,3-Dichloropropene	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
Dibromochloromethane	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
Ethylbenzene	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
m,p-Xylene	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
Methyl ethyl ketone	ND	50.0		µg/L	1	2/19/2009 11:34:00 AM
Methylene chloride	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
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Analytical Report

(consolidated)

WO#: **0902313**

Date Reported: **3/2/2009**

CLIENT: URS Corp.

Collection Date: 2/11/2009 1:42:00 PM

Project: Detrex

Lab ID: 0902313-008

Matrix: LIQUID

Client Sample ID DETWMW-4S

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TCL VOC, LIQUID VOLATILE ORGANIC COMPOUNDS				**SW8260B**		Analyst: **AC**
o-Xylene	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
Styrene	ND	20.0		µg/L	1	2/19/2009 11:34:00 AM
Tetrachloroethene	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
Toluene	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
trans-1,2-Dichloroethene	ND	10.0		µg/L	1	2/19/2009 11:34:00 AM
trans-1,3-Dichloropropene	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
Trichloroethene	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
Vinyl acetate	ND	10.0		µg/L	1	2/19/2009 11:34:00 AM
Vinyl chloride	ND	5.00		µg/L	1	2/19/2009 11:34:00 AM
Surr: 4-Bromofluorobenzene	92.5	86-115		%REC	1	2/19/2009 11:34:00 AM
Surr: Dibromofluoromethane	92.3	86-118		%REC	1	2/19/2009 11:34:00 AM
Surr: Toluene-d8	100	88-110		%REC	1	2/19/2009 11:34:00 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
DF	Dilution Factor	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
MDL	Method Detection Limit	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit (PQL)

PRECISION ANALYTICAL, INC.

4450 JOHNSTON PARKWAY, UNIT B • CLEVELAND, OH 44128
(216) 663-0808 • FAX (216) 663-0656

LABORATORY WORK ORDER #: 0902004

☒ Check if same as Report To

REPORT TO: CONTACT & COMPANY: Martin Schmidt, URS Corporation	INVOICE TO: NAME
ADDRESS: 1375 Euclid Ave., Suite 600	ADDRESS
CITY: Cleveland STATE: OH ZIP CODE: 44115	CITY STATE ZIP CODE
PHONE NO.: 216-622-2432 FAX NO.: 216-622-2464	PHONE NO. FAX NO.
EMAIL: Martin_Schmidt@URSCorp.com PROJECT NAME/NUMBER: Detrex West	PO#: QUOTE #:

Turnaround Time: ☒ Std. Rush: ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. Authorizing signature _____

Special Instructions & QC Requirements (additional charge for QC):

TEMP (°C) 8

VISIBLE ICE (circle) YES NO

Sample Disposal (A fee will be assessed if samples are retained longer than 1 month & disposed of by lab)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

ANALYSIS REQUESTED

NO.	CUSTOMER SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	Comp	Grab	NO. OF CONT.	MATRIX	TCL	VOC	SVOC											
1	DETWMW-1:12-14	1/27/09	1600		X	2	S	X	X	X			-1								
2	DETWMW-1:20-22	1/27/09	1620		X	2	S	X	X	X			-2								
3	DETWMW-1:34-36	1/27/09	1720		X	2	S	X	X	X			-3								
4	DETWSB-1:12-14	1/29/09	1614		X	2	S	X	X	X			-4								
5	DETWSB-1:20-22	1/29/09	1632		X	2	S	X	X	X			-5								
6	DETWSB-1:8-10	1/29/09	1604		X	2	S	X	X	X			-6								
7	DETWSB-2:10-12	1/29/09	1303		X	2	S	X	X	X			-7								
8	DETWSB-2:12-14	1/29/09	1307		X	2	S	X	X	X			-8								
9	DETWSB-2:20-22	1/29/09	1330		X	2	S	X	X	X			-9								
10																					
11																					
12																					
13																					

Samplers: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time
[signature]	[signature]	1/30/09	0900	[signature]	[signature]	1/30/09	1520

Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received in laboratory by: (Signature)	Date	Time
				[signature]	1/30/09	15:20

samplereceivinglog.xls

Precision Analytical, Inc.

Sample Receiving Summary Log

Work Order #: 0902004 Sample Custodian: DGP

Date & Time Received: 1/30/09 15:20 Date & Time Logged-In: 2/2/09 1021

Samples Dropped Off By: (✓) PAI ( ) UPS ( ) FedEx ( ) Client ( ) Airborne ( ) DHL ( ) Other _____

Samples Analyzed In-House: (✓) yes ( ) no

Subcontract Laboratory:

( ) Brookside ( ) BioSolutions ( ) Chemtron ( ) Envaritage ( ) J.&H ( ) DHC ( ) CCSE ( ) Other _____

Sample Matrix: ( ) Aqueous ( ) Liquid ( ) Soil/Sludge (✓) Solid ( ) Oil ( ) Gas ( ) Ash ( ) Potable H2O ( ) Air Cartridge ( ) Other _____

Chain-of-Custody (COC): Present (✓) yes ( ) no; Properly Filled Out (✓) yes ( ) no

Sample Containers: (✓) Glass ( ) VOA ( ) Plastic ( ) Baggie ( ) Fecal ( ) Tedlar Bag ( ) D.O. Bottle ( ) Sterile Bottle no pres.

All Present	(✓) yes	( ) no	( ) na
Intact	(✓) yes	( ) no	( ) na
Salvagable	( ) yes	( ) no	(✓) na

# of containers: 18

Sample Labels:

Legible	(✓) yes	( ) no	( ) na
Match COC	(✓) yes	( ) no	

Misc. Information:

Preserved	( ) yes	( ) no	(✓) na
On Ice/Cooling 8 °C	(✓) yes	( ) no	( ) na
Past Hold Time	( ) yes	(✓) no	( ) na
Contain Headspace **	( ) yes	( ) no	(✓) na
pH w/in range	( ) yes	( ) no	(✓) na

** Acidity, Alkalinity and volatiles should contain no headspace

pH Results: Metals _____ CN _____ NH3 _____ COD _____ NO3NO2 _____ Phenol _____ TOC _____ TKN _____ Phos _____ Hardness _____ TON _____ Sulfide _____ Other _____

Field Tests: ( ) pH ( ) Flow ( ) Temp ( ) Total Residual Chlorine

Explanation of Comments & Problems:

per Phil enter all for TCL VOC + SVOC (TCL)

If client is called provided information in the section above

Form Approved By:

Mark Kalmeyer: MKK

Scott Bolom: SCB

Form#: 244

Rev#: 0

Eff. Date: 1/2/08

PRECISION ANALYTICAL, INC.

4450 JOHNSTON PARKWAY, UNIT B • CLEVELAND, OH 44128
(216) 663-0808 • FAX (216) 663-0656

LABORATORY WORK ORDER # 0902170

☒ Check if same as Report To

REPORT TO: CONTACT & COMPANY: Martin Schmidt, URS Corporation-Cleveland	INVOICE TO: NAME
ADDRESS: 1375 Euclid Avenue, suite 600	ADDRESS
CITY: Cleveland; STATE: OH; ZIP CODE: 44115	CITY; STATE; ZIP CODE
PHONE NO.: 216-622-2400; FAX NO.: 216-622-2464	PHONE NO.; FAX NO.
EMAIL: Martin_Schmidt@URSCorp.com; PROJECT NAME/NUMBER: DETREX WEST	PO#:; QUOTE #:

Turnaround Time: ☒ Std. Rush: ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. Authorizing signature _____

Special Instructions & QC Requirements (additional charge for QC):

TEMP (°C) 3

VISIBLE ICE (circle) YES NO

Sample Disposal (A fee will be assessed if samples are retained longer than 1 month & disposed of by lab)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

ANALYSIS REQUESTED

NO.	CUSTOMER SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	Comp	Grab	NO. OF CONT.	MATRIX	TCL	VOC	SVOC	
1	DETWmw-2: 12-14	1/30/09	1136		X	2	S	X	X	X	-1
2	DETW MW-2: 22-24	1/30/09	1331		X	2	S	X	X	X	-2
3	DETWMW-3: ~~16-18~~ 12-14 USED ON JAR 16	2/3/09	1100		X	2	S	X	X	X	-3
4	DETW MW-3: 40-42	2/3/09	1350		X	2	S	X	X	X	-4
5	DETWSB-3: 17-18	2/4/09	1450		X	2	S	X	X	X	-5
6	DETWSB-3: 42-44	2/4/09	1657		X	2	S	X	X	X	-6
7	DETWMW-4: 10-12	2/5/09	1056		X	2	S	X	X	X	-7
8	DETWMW-4: 18-20	2/5/09	1128		X	2	S	X	X	X	-8
9											
10											
11											
12											
13											

Samplers: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time
[signature]	[signature]	2/6/09	0940	[signature]	[signature]	2/6/09	1300
Received by: (Signature)	**Relinquished by: (Signature)**	**Date**	**Time**	**Received in laboratory by: (Signature)**		**Date**	**Time**
				[signature]		2/6/09	13:00

PAL

samplereceivinglog.xls

Precision Analytical, Inc.

Sample Receiving Summary Log

Work Order #: 0902170 Sample Custodian: CRL

Date & Time Received: 2/6/09 13:00 Date & Time Logged-In: 2/6/09 16:06

Samples Dropped Off By: (✓) PAI ( ) UPS ( ) FedEx ( ) Client ( ) Airborne ( ) DHL ( ) Other _____

Samples Analyzed In-House: (✓) yes ( ) no

Subcontract Laboratory:

( ) Brookside ( ) BioSolutions ( ) Chemtron ( ) Envaritage ( ) J.&H ( ) DHC ( ) CCSE ( ) Other _____

Sample Matrix: ( ) Aqueous ( ) Liquid ( ) Soil/Sludge (✓) Solid ( ) Oil ( ) Gas ( ) Ash ( ) Potable H2O ( ) Air Cartridge ( ) Other _____

Chain-of-Custody (COC): Present (✓) yes ( ) no; Properly Filled Out (✓) yes ( ) no

Sample Containers: (✓) Glass ( ) VOA ( ) Plastic ( ) Baggie ( ) Fecal ( ) Tedlar Bag ( ) D.O. Bottle ( ) Sterile Bottle no pres.

All Present	(✓) yes	( ) no	( ) na
Intact	(✓) yes	( ) no	( ) na
Salvagable	( ) yes	( ) no	(✓) na

# of containers: 16

Sample Labels:

Legible	(✓) yes	( ) no	( ) na
Match COC	(✓) yes	( ) no	

Misc. Information:

Preserved	( ) yes	( ) no	(✓) na
On Ice/Cooling 3 °C	(✓) yes	( ) no	( ) na
Past Hold Time	( ) yes	(✓) no	( ) na
Contain Headspace **	( ) yes	( ) no	(✓) na
pH w/in range	( ) yes	( ) no	(✓) na

** Acidity, Alkalinity and volatiles should contain no headspace

pH Results: Metals _____ CN _____ NH3 _____ COD _____ NO3NO2 _____ Phenol _____ TOC _____ TKN _____ Phos _____ Hardness _____ TON _____ Sulfide _____ Other _____

Field Tests: ( ) pH ( ) Flow ( ) Temp ( ) Total Residual Chlorine

Explanation of Comments & Problems:

if client is called provided information in the section above

Form Approved By:

Mark Kalmeyer: MK

Scott Bolam: SCB

Form#: 244

Rev#: 0

Eff. Date: 1/2/08

PRECISION ANALYTICAL, INC.

4450 JOHNSTON PARKWAY, UNIT B • CLEVELAND, OH 44128
(216) 663-0808 • FAX (216) 663-0656

LABORATORY WORK ORDER # 0902309

☒ Check if same as Report To

REPORT TO: CONTACT & COMPANY: Martin Schmidt / URS Corporation-Cleveland	INVOICE TO: NAME
ADDRESS: 1375 Euclid Avenue, Suite 600	ADDRESS
CITY: Cleveland; STATE: OH; ZIP CODE: 44115	CITY; STATE; ZIP CODE
PHONE NO.: 216-622-2400; FAX NO.: 216-622-2464	PHONE NO.; FAX NO.
EMAIL: Martin_Schmidt@URSCorp.com; PROJECT NAME/NUMBER: DETREX WEST	PO#; QUOTE #:

Turnaround Time: ☒ Std. Rush: ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. Authorizing signature _____

Special Instructions & QC Requirements (additional charge for QC):

TEMP (°C) 4

VISIBLE ICE (circle) YES NO

Sample Disposal (A fee will be assessed if samples are retained longer than 1 month & disposed of by lab)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For _____ Months*

ANALYSIS REQUESTED

NO.	CUSTOMER SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	Comp	Grab	NO. OF CONT.	MATRIX	TCL	VOC	SVOC	
1	DETWSB-4: 18-20	2/6/09	1030		X	2	S	X	X	X	-1
2	DETWSB-4: 20-22	↓	1040		X	2	S	X	X	X	-2
3	DETWSB-5: 10-12		1432		X	2	S	X	X	X	-3
4	DETWSB-5: 18-20	↓	1450		X	2	S	X	X	X	-4
5											
6											
7											
8											
9											
10											
11											
12											
13											

Samplers: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time
[signature]	[signature]	2/11/09	1700	[signature]	[signature]	2/12/09	1020
Received by: (Signature)	**Relinquished by: (Signature)**	**Date**	**Time**	**Received in laboratory by: (Signature)**		**Date**	**Time**
				[signature]		2/12/09	10:20

samplereceivinglog.xls

Precision Analytical, Inc.
Sample Receiving Summary Log

Work Order #: 0902309 Sample Custodian: CRL

Date & Time Received: 2/12/09 10:20 Date & Time Logged-In: 2/12/09 11:31

Samples Dropped Off By: (✓) PAI ( ) UPS ( ) FedEx ( ) Client ( ) Airborne ( ) DHL ( ) Other _____

Samples Analyzed In-House: (✓) yes ( ) no

Subcontract Laboratory:
( ) Brookside ( ) BioSolutions ( ) Chemtron ( ) Envantage ( ) J & H ( ) DHC ( ) CCSE ( ) Other _____

Sample Matrix: ( ) Aqueous ( ) Liquid ( ) Soil/Sludge (✓) Solid ( ) Oil ( ) Gas
( ) Ash ( ) Potable H2O ( ) Air Cartridge ( ) Other _____

Chain-of-Custody (COC): Present (✓) yes ( ) no
Properly Filled Out (✓) yes ( ) no

Sample Containers: (✓) Glass ( ) VOA ( ) Plastic ( ) Baggie ( ) Fecal ( ) Tedlar Bag
( ) D.O. Bottle ( ) Sterile Bottle no pres.
All Present (✓) yes ( ) no ( ) na
Intact (✓) yes ( ) no ( ) na
Salvagable ( ) yes ( ) no (✓) na
# of containers: 8

Sample Labels: Legible (✓) yes ( ) no ( ) na
Match COC (✓) yes ( ) no

Misc. Informantion: Preserved ( ) yes ( ) no (✓) na
On Ice/Cooling 4 °C (✓) yes ( ) no ( ) na
Past Hold Time ( ) yes (✓) no ( ) na
Contain Headspace ** ( ) yes ( ) no (✓) na
pH w/in range ( ) yes ( ) no (✓) na

** Acidity, Alkalinity and volatiles should contain no headspace

pH Results: Metals _____ CN _____ NH3 _____ COD _____ NO3NO2 _____
Phenol _____ TOC _____ TKN _____ Phos _____
Hardness _____ TON _____ Sulfide _____ Other _____

Field Tests: ( ) pH ( ) Flow ( ) Temp ( ) Total Residual Chlorine

Explanation of Comments & Problems:

_____

_____

_____

_____

_____

_____

if client is called provided information in the section above

Form Approved By:
Mark Kalmeyer: [signature]
Scott Bolom: SCB

Form#: 244
Rev#: 0
Eff. Date: 1/2/08

PRECISION ANALYTICAL, INC.

4450 JOHNSTON PARKWAY, UNIT B • CLEVELAND, OH 44128
(216) 663-0808 • FAX (216) 663-0656

LABORATORY WORK ORDER #: 0902313

☒ Check if same as Report To

REPORT TO: CONTACT & COMPANY: Martin Schmidt / URS Corporation-Cleveland
ADDRESS: 1375 Euclid Avenue, Suite 600
CITY: Cleveland STATE: OH ZIP CODE: 44115
PHONE NO.: 216-622-2400 FAX NO.: 216-622-2464
EMAIL: Martin_Schmidt@URSCorp.com PROJECT NAME/NUMBER: DETREX WEST

INVOICE TO: NAME
ADDRESS
CITY STATE ZIP CODE
PHONE NO. FAX NO.
PO#: QUOTE #:

Turnaround Time: ☒ Std. Rush: ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. Authorizing signature _____

Special Instructions & QC Requirements (additional charge for QC):

TEMP (°C) 2
VISIBLE ICE (circle) (YES) NO

Sample Disposal (A fee will be assessed if samples are retained longer than 1 month & disposed of by lab)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

ANALYSIS REQUESTED

NO.	CUSTOMER SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	Comp	Grab	NO. OF CONT.	MATRIX	VOC	SVOC		MS/MSD	
1	~~[illegible]~~ DETWMW-1S	2/11/09	1152		X	5	W	X	X			-1
2	DETWMW-2D		1212		X	5	W	X	X			-2
3	DETWMW-2S		1220		X	5	W	X	X			-3
4	DETWMW-2S (D)		1230		X	5	W	X	X			-4
5	DETWMW-3D		1300		X	5	W	X	X			-5
6	DETWMW-3S		1310		X	5	W	X	X			-6
7	DETWMW-4D		1330		X	5	W	X	X			-7
8	DETWMW-4S		1342		X	5	W	X	X		X	-8
9												
10												
11												
12												
13												

Samplers: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time
[signature]	[signature]	2/11/09	1700	[signature]	[signature]	2/11/09	1020 1520

Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received in laboratory by: (Signature)	Date	Time
				Christopher Gates	2/12/09	10:20

samplereceivinglog.xls

Precision Analytical, Inc.
Sample Receiving Summary Log

Work Order #: 0902313 Sample Custodian: GRC

Date & Time Received: 2/12/09 10:20 Date & Time Logged-In: 2/12/09 10:08

Samples Dropped Off By: (✓) PAI ( ) UPS ( ) FedEx ( ) Client ( ) Airborne ( ) DHL ( ) Other _____

Samples Analyzed In-House: (✓) yes ( ) no

Subcontract Laboratory:
( ) Brookside ( ) BioSolutions ( ) Chemtron ( ) Envantage ( ) J & H ( ) DHC ( ) CCSE ( ) Other _____

Sample Matrix: ( ) Aqueous ( ) Liquid ( ) Soil/Sludge ( ) Solid ( ) Oil ( ) Gas
( ) Ash ( ) Potable H2O ( ) Air Cartridge ( ) Other _____

Chain-of-Custody (COC): Present (✓) yes ( ) no
Properly Filled Out (✓) yes ( ) no

Sample Containers: (✓) Glass (16) (✓) VOA (24) ( ) Plastic ( ) Baggie ( ) Fecal ( ) Tedlar Bag
( ) D.O. Bottle ( ) Sterile Bottle no pres.
All Present (✓) yes ( ) no ( ) na
Intact (✓) yes ( ) no ( ) na
Salvagable ( ) yes ( ) no (✓) na
# of containers: 40

Sample Labels: Legible (✓) yes ( ) no ( ) na
Match COC (✓) yes ( ) no

Misc. Information: Preserved ( ) yes ( ) no (✓) na
On Ice/Cooling 2 °C (✓) yes ( ) no ( ) na
Past Hold Time ( ) yes (✓) no ( ) na
Contain Headspace ** ( ) yes (✓) no ( ) na
pH w/in range ( ) yes ( ) no (✓) na

** Acidity, Alkalinity and volatiles should contain no headspace

pH Results: Metals _____ CN _____ NH3 _____ COD _____ NO3NO2 _____
Phenol _____ TOC _____ TKN _____ Phos _____
Hardness _____ TON _____ Sulfide _____ Other _____

Field Tests: ( ) pH ( ) Flow ( ) Temp ( ) Total Residual Chlorine

Explanation of Comments & Problems:

if client is called provided information in the section above

Form Approved By:
Mark Kalmeyer: MK
Scott Bolam: SCB

Form#: 244
Rev#: 0
Eff. Date: 1/2/08