PHASE II ENVIRONMENTAL SITE ASSESSMENT
WATER LINE REPLACEMENT IN INNSDALE AREA
WBS NO. S-000035-0206-3
HOUSTON, TEXAS

Reported to:

KUO & ASSOCIATES, INC.

Houston, Texas

Submitted by:

GEOTEST ENGINEERING, INC.

Houston, Texas

REPORT NO. 1130021301

April 24, 2015

Key Map No. 453 B, C, D, F G & H

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Report No. 1130021301
April 24, 2015

Kuo & Associates, Inc.
10700 Richmond Avenue, Suite 113
Houston, Texas 77042

Reference: Phase II Environmental Site Assessment (ESA)
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-3
Houston, Texas

Dear Gentlemen:

We are pleased to submit the final Phase II Environmental Site Assessment report for the referenced project. A draft report was submitted to you on March 20, 2015. This final report supersedes all previously submitted reports, transmittals, etc. for the referenced project. This assessment was authorized by Notice to Proceed dated January 29, 2015 by accepting our Proposal No. 1130031799 dated December 2, 2014.

We appreciate the opportunity to be of service to you. If we can be of further assistance, please call us.

Sincerely,
GEOTEST ENGINEERING, INC.
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1.0 EXECUTIVE SUMMARY

A Phase II Environmental Site Assessment was conducted for Kuo & Associates, Inc. for the Water Line Replacement in Innsdale Area in Houston, Texas.

The Project calls for design and construction of water line replacement in Innsdale Area in Houston, Texas. The Project comprises of several alignments and is divided into Project Area 1 and Project Area 2. The Project Area 1 is generally bounded by Berry Road to the south, Aldine Westfield Road to the east, Turner Street to the north and Clark Road to the west. The Project Area 2 is bounded by Fulton Street to the east, Berry Road to the north, Airline Drive to the west and Lyerly Street to the south. The length and sizes of the proposed water line replacements along various streets for Project Area 1 and Project Area 2 are presented on Figure 1, Vicinity Map.

In our previous assessment, "Phase I Environmental Site Assessment (ESA), for Water Line Replacement in Innsdale Area, WBS No. S-000035-0206-3" GEI Report No. 1130020201 dated October 6, 2014 (Reference 1), seven (7) Recognized Environmental Conditions (REC) for Project Area 1 and one (1) REC for Project Area 2 were identified and are listed below.

Project Area	**Site Name**	**Site Type**	**Address**
Area 1	Former Circle K/Hancock Service Station	LPST/Historic Auto Station	9005 Irvington Boulevard
	Berry Service Center	LPST/IHW/IHW CORRACTS	8706 E. Hardy Road
	Fliteline Engines of Texas	IHW/Historic Auto Station	201 Tidwell Road
	Crescent Reel Company	IHW	201 Burbank Street
	Unknown Site	Historic Cleaner	717 Duff Lane
	Empire Carpet Service	Historic Auto Station/Cleaner	9819 McGallion Road
	Hollomon S. Dry Cleaning and Laundry	Historic Cleaner	8700 Irvington Boulevard
Area 2	Crystaphase Products, Inc.	IHW	29 Berry Road

This assessment was based on the ASTM guidelines for Phase II Environmental Site Assessment, designation ASTM 1903-11 (2011) as modified by City of Houston Department of Public Works and Engineering Design Manual, Chapter 11 – Geotechnical and Environmental Requirements Subsection, Phase II Environmental Site Assessment Requirements, dated December

1, 2014. This assessment included drilling and continuous sampling twenty four (24) environmental borings to depths ranging from 15-feet to 20-feet, screening each soil sample in the field for the presence of volatile organic compounds using a photoionization detector (PID), performing analytical tests on soil and ground water samples (if encountered) recovered from the borings to evaluate the presence or absence of soil and/or groundwater contamination in the subsurface soils and preparation of a report containing the field and laboratory data.

The principal findings and conclusions developed from this assessment are summarized below:

- The PID measured values of organic vapor in the field ranged from 0.0 ppm to 10.6 ppm.

- Twenty two (22) selected soil samples with highest available PID readings from borings EB-1 through EB-24 and five (5) groundwater samples from borings EB-8, EB-10, EB-14, EB-17 and EB-19 were tested for Volatile Organic Compounds (VOCs), BTEX (Benzene, Toluene, Ethyl Benzene and Xylene)/MTBE (Methyl Tertiary Butyl Ether) and TPH (Total Petroleum Hydrocarbon). The results of the analytical tests were compared against Texas Commission on Environmental Quality (TCEQ), Texas Risk Reduction Program (TRRP), TIER 1 Protective Concentration Levels (PCLs) for Residential Guidelines using 0.5 acre source area and $^{GW}Soil_{ing}$ and $^{GW}GW_{ing}$ exposure pathways (revised on November 12, 2014).

- The results of these tests indicated that the chemicals of concern (COC) Toluene, MTBE, 1, 2, 4 Trimethylbenzene, naphthalene and xylenes were detected in soil samples of borings EB-9, EB-10, EB-16, EB-23A and EB-24 and in groundwater samples of borings EB-8, EB-10 and EB-19. The detected COC were below the TIER1 PCLs for residential guidelines using 0.5 acre source area for $^{GW}soil_{ing}$ and $^{GW}GW_{ing}$ exposure pathways. The details of the detected chemicals are presented below.

Boring	Matrix	Chemicals of Concern
EB-9	Soil	Toluene
EB-10	Soil	MTBE
EB-16	Soil	1,2,4 Trimethylbenzene and Total Xylenes
EB-23A	Soil	Toluene
EB-24	Soil	1,2,4 Trimethylbenzene
EB-8	Groundwater	Toluene
EB-10	Groundwater	MTBE
EB-19	Groundwater	Naphthalene, Toluene, 1,2,4 Trimethylbenzene and Total Xylenes

- **Hence, the planned construction of Water Line Replacement in Innsdale Area for the station numbers presented in the table below are identified as Potentially Petroleum Contaminated Area (PPCA).**

Street Name	Station No.	
	From	To
Highlawn Street	**1+00**	**4+00**
Meta Drive	**1+00**	**End**
Duff Lane	**17+00**	**19+30**
	3+00	**5+00**
Firnat Street	**1+00 (Begin)**	**4+00**

- **It is recommended that the Occupational Safety and Health Administration (OSHA) requirements (29 CFR 1926) and COH Guide Specifications 02105 and 02120 should be followed for workers safety during excavations and handling of the soils and groundwater in the designated PPCA.**

- Activities related to excavation and handling of soils in the designated PPCA are regulated under the OSHA Construction Standard 29 CFR 1910 Subpart H.

2.0 INTRODUCTION

2.1 General

A Phase II Environmental Site Assessment (the assessment) was conducted for Kuo & Associates, Inc. for the Water Line Replacement for Innsdale Area in Houston, Texas. The vicinity map is presented on Figure 1.

In our previous assessment, "Phase I Environmental Site Assessment (ESA), for Water Line Replacement in Innsdale Area, WBS No. S-000035-0206-3" GEI Report No. 1130020201 dated October 6, 2014 (Reference 1), seven (7) Recognized Environmental Condition (REC) for Project Area 1 and one (1) REC for Project Area 2 were identified and are listed below.

Project Area	**Site Name**	**Site Type**	**Address**
Area 1	Former Circle K/Hancock Service Station	LPST/Historic Auto Station	9005 Irvington Boulevard
	Berry Service Center	LPST/IHW/IHW CORRACTS	8706 E. Hardy Road
	Fliteline Engines of Texas	IHW/Historic Auto Station	201 Tidwell Road
	Crescent Reel Company	IHW	201 Burbank Street
	Unknown Site	Historic Cleaner	717 Duff Lane
	Empire Carpet Service	Historic Auto Station/Cleaner	9819 McGallion Road
	Hollomon S. Dry Cleaning and Laundry	Historic Cleaner	8700 Irvington Boulevard
Area 2	Crystaphase Products, Inc.	IHW	29 Berry Road

To evaluate the migration of the contaminants in soil and groundwater (if encountered) along the alignments in the project area, a Phase II Environmental Site Assessment was recommended. This assessment was authorized by Notice to Proceed dated January 29, 2015 by accepting our proposal No. 1130031799 dated December 2, 2014.

2.2 Objectives

The objectives of this assessment are to evaluate the presence of soil and groundwater (if encountered) contamination from the REC sites along the proposed project alignments and to identify the potential impacts on the proposed construction. This assessment was performed in general accordance with ASTM guidelines for Phase II Environmental Site Assessment, designation ASTM E1903-11 (Reference 2) and modified by the City of Houston Department of Public Works and Engineering Infrastructure Design Manual, Chapter 11 – Geotechnical and Environmental Requirements Subsection, Phase II Environmental Requirements, dated December 1, 2014 (Reference 3).

2.3 Scope of the Assessment

The scope of this study consisted of the following:

- Cored the existing concrete and asphalt pavement to access the subsurface soils at twenty four (24) locations;
- Drilled and continuously sampled twenty four (24) environmental borings utilizing Geoprobe as mentioned below:
    - Nineteen (19) 15-foot borings; and
    - Five (5) 20-foot borings
- Screened each soil sample in the field for the presence of volatile compounds using a Photo Ionization Detector (PID);
- Developed 1-inch diameter temporary monitoring wells for groundwater (if encountered) sample, and then plug and abandon;
- Conducted analytical tests on twenty two (22) soil samples and five (5) ground water samples;

- Prepared a Phase II Environmental Site Assessment Report documenting the field investigation and analytical test results in accordance with ASTM Practice E1903-11 as modified by City of Houston Infrastructure Design Manual, Chapter 11, and Environmental Requirements Section 11.26.

2.4 Special Terms and Conditions

There were no special terms or conditions.

2.5 Limitations and Exceptions of Assessment

The scope of this Phase II ESA is limited to matters expressly described herein. In preparing this report, Geotest has relied upon the information derived from secondary sources. All recommendations, findings and conclusions stated in this report are based upon the facts and circumstances as they existed at the time this report was prepared (e.g., Federal, State and Local Laws, Rules, Regulations and other matters that Geotest deemed relevant). A change in any facts or circumstances upon which this report was based may affect the findings, conclusions and validity of our recommendations expressed herein.

The subsurface conditions described in this report and the results of analytical tests are based on twenty four (24) completed borings drilled at specific locations. However, variation in soil conditions and level of contamination, if any, may occur between the completed borings. The depth of the groundwater level may vary with changes in environmental conditions such as frequency and magnitude of rainfall.

2.6 Limiting Conditions and Methodology Used

This Phase II ESA is limited to the data derived from the soil borings and the laboratory tests performed on the soil and ground water samples recovered from the borings. Following this section of the report, Section 3 provides a subsurface investigation; Section 4 describes the laboratory analytical program, Section 5 describes the data evaluation, Section 6 contains conclusions and Section 7 contains references.

3.0 SUBSURFACE INVESTIGATION

3.1 Field Investigation Methodologies

The field investigation methodology takes into consideration the potential distribution of contaminants with respect to the properties, behavior and transportation characteristics. The sampling plan was designed to provide for the collection of potentially contaminated environmental media, if they occur, at locations and depths where the highest concentrations are likely to occur.

These investigation methodologies were developed in general accordance with ASTM Standard D 5730: Guide to Site Characteristics for Environmental Purposes with Emphasis on Soil, Rock, The Vadose Zone and Groundwater (Reference 4).

Personal health and safety precautions were followed in accordance with applicable federal and state laws or local equivalents and any requirements imposed by the owner, occupant or field personnel.

No test pits were excavated as part of this Phase II ESA assessment.

The field investigation included drilling and continuously sampling of twenty four (24) environmental borings at the REC sites along the Project Alignments in the Project Area 1 and Project Area 2. During drilling, obstructions were encountered in borings EB-22 and EB-23 at a depth of 2 feet and the borings were offset to EB-22A and EB-23A. At boring EB-22A, another obstruction was encountered at a depth of 2 feet and boring was offset to EB-22B and completed to the explored depth. All the boring locations including the location of REC sites are shown in Plan of Borings, Figures 2.1 through 2.6. The photographs of drilling activities are presented in Appendix C.

In each boring, geoprobe tubes were pushed to collect samples. At the starting of each boring, all sampling tools were decontaminated with a phosphate-free Liquid-Nox detergent, followed by a Freon rinse and a final deionized water rinse to reduce possible sample cross-

contamination. The sampling tools, however, were decontaminated after every sample recovery. After extrusion, the soil samples were placed in EPA-approved laboratory-provided glass jars. All samples were then placed in a cooler with ice.

Geotest's environmental professional visually field-classified the recovered soil samples. Notations of soil type, color and odor, if present, were recorded on the soil boring logs. Soil classifications presented on the log of borings are based on visual field classification and have not been verified by geotechnical laboratory soil testing. All the borings were grouted with cement-bentonite grout at the end of drilling.

The environmental boring logs are presented on Figures A-1 through A-24 in Appendix A. A key to symbols and terms used on the boring logs is presented on Figure A-25 in Appendix A.

During the field investigation, screening for organic vapor concentrations was performed on all soil samples recovered from the borings. The measurements were made in the field with a benzene-calibrated, HNU DL-101 Photo-Ionization Detector (PID) equipped with a 10.2 eV lamp. Results of the field PID screening are summarized as "Field Screening – Organic Vapor" on the boring logs presented on Figures A-1 through A-24 in Appendix A.

Groundwater was encountered during drilling at borings EB-8, EB-10, EB-14, EB-17 and EB-19. Temporary monitoring wells were installed in these borings and groundwater samples were collected from each of these borings for the analytical testing.

3.2 Selected Sites

In our previous assessment, "Phase I Environmental Site Assessment (ESA), for Water Line Replacement in Innsdale Area, WBS No. S-000035-0206-3" GEI Report No. 1130020201 dated October 6, 2014 (Reference 1), seven (7) Recognized Environmental Conditions (REC) for Project Area 1 and one (1) REC site for Project Area 2 were identified and are listed below.

Project Area	**Site Name**	**Site Type**	**Address**
Area 1	Former Circle K/Hancock Service Station	LPST/Historic Auto Station	9005 Irvington Boulevard
	Berry Service Center	LPST/IHW/IHW CORRACTS	8706 E. Hardy Road
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	Unknown Site	Historic Cleaner	717 Duff Lane
	Empire Carpet Service	Historic Auto Station/Cleaner	9819 McGallion Road
	Hollomon S. Dry Cleaning and Laundry	Historic Cleaner	8700 Irvington Boulevard
Area 2	Crystaphase Products, Inc.	IHW	29 Berry Road

4.0 LABORATORY ANALYTICAL PROGRAM

4.1 Chemical Testing Plan

All soil samples were screened in the field for organic vapors with a Photo-Ionization Detector (PID). Twenty Two (22) soil samples with the highest PID readings and five (5) groundwater samples were selected for the analytical testing. The analytical testing included BTEX (Benzene, Toluene, Ethyl Benzene and Xylene)/MTBE (Methyl Tertiary Butyl Ether), TPH (Total Petroleum Hydrocarbon) and VOCs (Volatile Organic Compound).

4.2 Sampling and Chemical Analyses and Methods

4.2.1 Soil. Soil samples were obtained by pushing a geoprobe tube. After extrusion, the soil samples were collected and placed in EPA-approved laboratory-provided glass jars and then placed in a portable ice cooler with ice. Based on the field screening for organic vapor, one soil sample from selected boring with highest PID reading or near invert depth whichever is applicable was selected for analytical testing with the exception of soil boring where ground water was encountered. The samples selected for analytical testing are given below.

Boring No.	Sample No.	Depth, ft
EB-1	S-5	8-10
EB-2	S-8	14-15
EB-3	S-6	10-12
EB-4	S-5	8-10
EB-5	S-8	8-10
EB-6	S-4	6-8
EB-7	S-5	8-10
EB-8	S-3	4-6
EB-9	S-5	8-10

Boring No.	Sample No.	Depth, ft.
EB-10	S-10	18-20
EB-11	S-4	6-8
EB-12	S-10	18-20
EB-13	S-5	8-10
EB-14	S-6	10-12
EB-15	S-4	6-8
EB-16	S-6	10-12
EB-18	S-4	6-8
EB-20	S-3	4-6
EB-21	S-8	14-15
EB-22B	S-6	10-12
EB-23A	S-10	18-20
EB-24	S-4	6-8

Note: Soil samples from EB-17 and EB-19 were not tested because at these borings, VOC's were tested for groundwater.

4.2.2 Groundwater. The groundwater samples collected from borings EB-8, EB-10, EB-14, EB-17 and EB-19 were selected for analytical tests.

The analytical tests and corresponding test methods are listed below.

- VOCs (SW-846 8260)
- BTEX/MTBE (SW 8260)
- TPH (TX 1005)

The samples were transported along with the chain-of-custody documentation to XENCO Laboratories in Houston, Texas for analytical testing.

5.0 DATA EVALUATION

5.1 Subsurface Conditions

5.1.1 Geologic Setting. Based on the Geologic Atlas of Texas - Houston Sheet, the project area is in the Beaumont Formation. The clays and sands of this formation are overconsolidated as a result of desiccation or frequent raising and lowering of the sea level and subsequently the groundwater table. Consequently, clays of this formation have moderate to high shear strength and relatively low compressibility. Sands of the Beaumont Formation are typically very fine and often silty. Furthermore, there is evidence in the Houston area of the occurrence of cemented material (sandstone and siltstone) deposits within the Beaumont Formation.

5.1.2 Verification of Conceptual Site Model. The conceptual site model and sampling plan developed for the site were verified during the Phase II ESA assessment activities. The Quality Assurance (QA)/Quality Control (QC) procedures described in the chemical testing plan were adequate to verify the data acceptability.

5.2 Analytical Data

The following Chemicals of Concern (COC) were detected in soil samples of borings EB-9, EB-10, EB-16, EB-23A and EB-24 and in groundwater samples of borings EB-8, EB-10 and EB-19. The details are given in the following table:

Boring	**Matrix**	**Chemicals of Concern**
EB-9	Soil	Toluene
EB-10	Soil	MTBE
EB-16	Soil	1,2,4 Trimethylbenzene and Total Xylenes
EB-23A	Soil	Toluene
EB-24	Soil	1,2,4 Trimethylbenzene

Boring	**Matrix**	**Chemicals of Concern**
EB-8	Groundwater	Toluene
EB-10	Groundwater	MTBE
EB-19	Groundwater	Naphthalene, Toluene, 1,2,4 Trimethylbenzene and Total Xylenes

Soil and groundwater contamination levels were compared to TCEQ RG-366/ TRRP-23 (Texas Risk Remediation Program), revised on November 12, 2014 regulatory guidance document that includes TIER 1 PCLs (Protective Concentration Levels) for residential guidelines (using 0.5-acre source area and $^{GW}Soil_{ing}$ and $^{GW}GW_{ing}$ exposure pathways) (Reference 5). The details of analytical test results are presented in Appendix B.

6.0 CONCLUSIONS

6.1 Summary of the Investigation Results

The PID measured values of organic vapor for the soil samples in the field ranged from 0.0 ppm to 10.6 ppm.

The results of the analytical test indicated all detected COC were below the TIER1 PCLs for residential guidelines using 0.5 acre source area for $^{GW}soil_{ing}$ and $^{GW}GW_{ing}$ exposure pathways (revised on November 12, 2014). The following COC were detected in soil samples of borings EB-9, EB-10, EB-16, EB-23A and EB-24 and in groundwater samples of borings EB-8, EB-10 and EB-19.

Boring	**Matrix**	**Chemicals of Concern**
EB-9	Soil	Toluene
EB-10	Soil	MTBE
EB-16	Soil	1,2,4 Trimethylbenzene and Total Xylenes
EB-23A	Soil	Toluene
EB-24	Soil	1,2,4 Trimethylbenzene
EB-8	Groundwater	Toluene
EB-10	Groundwater	MTBE
EB-19	Groundwater	Naphthalene, Toluene, 1,2,4 Trimethylbenzene and Total Xylenes

6.2 Impact on Planned Construction

The planned construction of Water Line Replacement in Innsdale Area for the linear extents (Station to Station) presented in the table below are identified as Potentially Petroleum Contaminated Area (PPCA).

Street Name	Station No.	
	From	To
Highlawn Street	**1+00**	**4+00**
Meta Drive	**1+00**	**End**
Duff Lane	**17+00**	**19+30**
	3+00	**5+00**
Firnat Street	**1+00 (Begin)**	**4+00**

It is recommended that the Occupational Safety and Health Administration (OSHA) requirements (29 CFR 1926) and COH Guide Specifications 02105 and 02120 should be followed for workers safety during excavations and handling of the soils and groundwater in the designated PPCA.

Activities that related to excavation and handling of soils in the designated PPCA are regulated under the OSHA Construction Standard 29 CFR 1910 Subpart H (Reference 6).

7.0 REFERENCES

1. Phase I Environmental Site Assessment (ESA), for Water Line Replacement in Innsdale Area, WBS No. S-000035-0206-3" GEI Report No. 1130020201 dated October 6, 2014.

2. ASTM E1903-11, ASTM Guidelines for Phase II Environmental Site Assessment, ASTM E1903-11.

3. The City of Houston Department of Public Works and Engineering Infrastructure Design Manual, Chapter 11 – Geotechnical and Environmental Requirements, Subsection Phase II Environmental Requirements, dated December 1, 2014.

4. ASTM Standard D 5730 Guide to Site Characteristics for Environmental Purposes with Emphasis on Soil, Rock, the Vadose Zone and Groundwater.

5. TCEQ (TNRCC) Regulatory Guidance-Remediation Division-RG-366/TRRP/Tier 1 PCL Tables, dated November 12, 2014.

6. OSHA Regulations (Standards – 29 CFR)

TABLES

	Table
Summary of Analytical Test Results for BTEX/MTBE/TPH (Soil)	1
Summary of Analytical Test Results for VOCs (Soil)	2
Summary of Analytical Test Results for BTEX/MTBE/TPH (Water)	3
Summary of Analytical Test Results for VOCs (Water)	4

TABLE 1

SUMMARY OF ANALYTICAL TEST RESULTS (Soil)

LOCATION (See Figure 2)		TCEQ TRRP TIER 1 Soil PCLs (mg/kg)	BTEX (mg/kg)				MTBE (mg/kg)	TPH (mg/kg)
			Benzene	Toluene	Ethyl Benzene	Total Xylenes		
Boring No.	**Sample Depth, ft.**	**Residential** (1)	*0.026*	*8.2*	*7.6*	*120*	*0.62*	*65*
EB-10	18-20		<0.000232	<0.000156	<0.000115	<0.00027	0.0115*	<10.8
EB-16	10-12		<0.000212	<0.000623	<0.000580	0.00059*	<0.000459	NA
EB-23A	18-20		<0.000212	0.000853*	<0.000582	<0.00052	<0.000461	NA

Note: Value in **BOLD** shows exceeds the TCEQ TRRP TIER 1 PCLs
Value in * shows detected
Details of these tests are provided in Appendix B.

(1) TCEQ TRRP TIER 1 PCLS For 0.5 acre source area and $^{GW}Soil_{ing}$ exposure pathway

TABLE 2

SUMMARY OF ANALYTICAL TEST RESULTS (Soil)

LOCATION (See Figure 2)	TCEQ TRRP TIER 1 Soil PCLs (mg/kg)	VOC (mg/kg)						
		Sec-Butyl benzene	Isopropyl benzene	Naphthalene	n-Propyl benzene	n-Butyl benzene	1,2,4-Trimethyl benzene	Methylene Chloride
Boring No.	**Residential** (1)	*85.0*	*350.0*	*31.0*	*45.0*	*150.0*	*49.0*	*0.0130*
EB-16		<0.000662	<0.00022	<0.000366	<0.00024	<0.00063	0.000472*	<0.000794
EB-24		<0.000122	<0.00041	<0.000674	<0.00044	<0.00011	0.000298*	<0.00146

Note: Value in **BOLD** shows exceeds the TCEQ TRRP TIER 1 PCLs
Value in * shows detected
Details of these tests are provided in Appendix B.

(1) TCEQ TRRP TIER 1 PCLS For 0.5 acre source area and $^{GW}Soil_{ing}$ exposure pathway

TABLE 3

SUMMARY OF ANALYTICAL TEST RESULTS (Ground Water)

LOCATION (See Figure 2)	TCEQ TRRP TIER 1 Soil PCLs (mg/kg)	BTEX (mg/L)				MTBE (mg/L)	TPH (mg/L)
		Benzene	Ethyl Benzene	Toluene	Total Xylenes		
Boring No.	**Residential** (1)	*0.005*	*0.70*	*1.0*	*10.0*	*0.24*	*0.98*
EB-8		<0.000204	<0.000221	0.000270*	<0.000847	<0.00122	NA
EB-10		<0.000147	<0.0000806	<0.000153	<0.000097	0.00609*	<0.862
EB-19		<0.000204	<0.000221	0.000270*	0.000240*	<0.00122	NA

Note: Value in **BOLD** shows exceeds the TCEQ TRRP TIER 1 PCLs
Value in * shows detected
Details of these tests are provided in Appendix B.

(1) TCEQ TRRP TIER 1 PCLS For 0.5 acre source area and $^{GW}GW_{ing}$ exposure pathway

TABLE 4

SUMMARY OF ANALYTICAL TEST RESULTS (Ground Water)

LOCATION (See Figure 2)	TCEQ TRRP TIER 1 Soil PCLs (mg/L)	VOC (mg/kg)						
		Sec-Butyl benzene	Isopropyl benzene	Naphthalene	n-Propyl benzene	n-Butyl benzene	1,2,4-Trimethyl benzene	Methylene Chloride
Boring No.	**Residential** (1)	*98*	*240*	*31.0*	*45.0*	*150.0*	*120*	*0.0130*
EB-19		<0.000101	<0.00009	0.00585*	<0.00061	<0.00008	0.000100*	<0.000927

Note: Value in **BOLD** shows exceeds the TCEQ TRRP TIER 1 PCLs
Value in * shows detected
Details of these tests are provided in Appendix B.

(1) TCEQ TRRP TIER 1 PCLS For 0.5 acre source area and $^{GW}GW_{ing}$ exposure pathway

ILLUSTRATIONS

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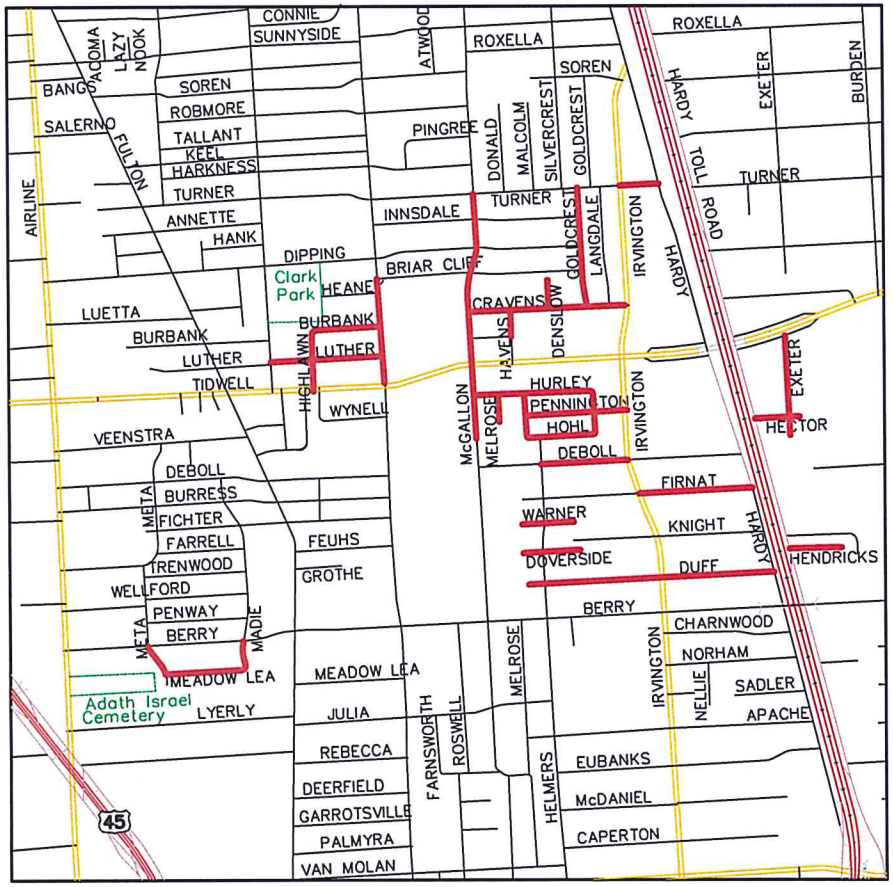
Plan of Borings and REC sites	2.1 thru 2.6

PUBLIC WORKS AND ENGINEERING DEPARTMENT
ENGINEERING & CONSTRUCTION DIVISION

WATER LINE REPLACEMENT IN INNSDALE AREA
WBS NO.: S-000035-0206-3



N

N.T.S.

STREET NAME	ADDRESS	START STREET	END STREET	OLD SIZE	NEW SIZE	LENGTH IN FEET	KEY MAP
CRAVENS	600–999	McGALLION	IRVINGTON	6	8	1,840	453C
TURNER	1100–1199	IRVINGTON	HARDY	8	8	500	453C,D
McGALLION	9300–9999	TURNER	approx. 540' S of HURLEY	8	8	2,120	453C,G
HAVENS	9400–9499	LUTHER	CRAVENS	0	6	330	453C
DENSLOW	9600–9699	CRAVENS	END (NORTH)	2	4	230	453C
GOLDCREST	9600–9999	TURNER	CRAVENS	6	8	1,460	453C
BAUMAN	9400–9699	BRIARCLIFF	TIDWELL	12	12	1,280	453C
BURBANK	200–299	HIGHLAWN	BAUMAN	6	8	820	453B,C
LUTHER	150–299	CLARK	BAUMAN	6	8	1,370	453B,C
HIGHLAWN	9400–9599	TIDWELL	BURBANK	8	8	710	453B
MEADOWLEA	0–99	META	MADIE	8	8	930	453F
MELROSE	9200–9299	HURLEY	END (SOUTH)	2	6	320	453G
HURLEY	700–899	McGALLION	GOLDCREST	6	8	1,460	453G
HELMERS	9100–9299	HURLEY	HOHL	8	8	530	453G
GOLDCREST	9100–9299	HURLEY	HOHL	6	8	530	453G
PENNINGTON	700–999	HELMERS	IRVINGTON	8	8	1,230	453G
HOHL	700–899	HELMERS	GOLDCREST	6	8	830	453G
DEBOLL	700–899	HELMERS	IRVINGTON	8	8	1,140	453G
WARNER	600–799	END (EAST)	END (WEST)	2	6	550	453G
DOVERSIDE	600–799	END (EAST)	END (WEST)	2	6	550	453G
DUFF	600–1499	END (WEST)	HARDY	12	8	2,920	453G,H
FIRNAT	1200–1499	IRVINGTON	HARDY	8	8	1,360	453G,H
HENDRIX	1500–1699	HARDY	END (EAST)	6	8	600	453H
EXETER	9100–9499	TIDWELL	END (SOUTH)	8	8	1,260	453D,H
HECTOR	1700–1899	HARDY	END (EAST)	2,8	8	600	453H
META	8400–8499	BERRY	MEADOWLEA	8	8	500	453F
MADIE	8400–8499	BERRY	MEADOWLEA	8	8	320	453F
				TOTAL		26,290	

VICINITY MAP

KEY MAP NO. 453 C, D, F, G & H
GIM MAP# 5361 D, 5360 B, 5461 A&C, 5460 A
COUNCIL DISTRICT 'H'

LEGEND:

EXISTING ROAD

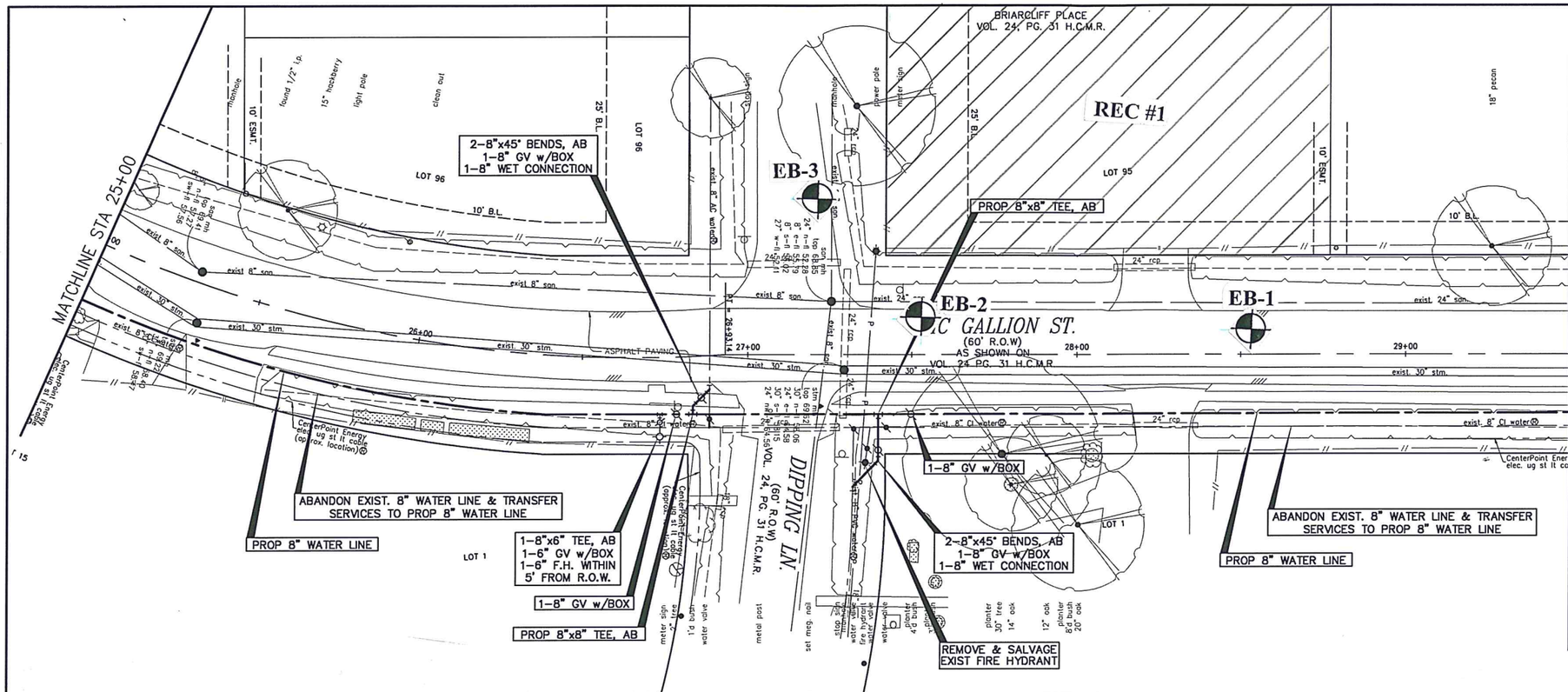
ROAD DESIGNATED FOR PROPOSED WATER LINE

EXHIBIT: 2

KUO & associates, Inc
Consulting Engineers & Surveyors
10700 Richmond Ave., Suite 113
Houston, TX 77042
Tel: (713) 975-8769
Fax: (713) 975-0920
www.kuoassociates.com
Texas Firm Registration No. F-4578

FIGURE 1

Job No.: 1130021301



Scale 1" = 40'

BENCHMARK:

CITY OF HOUSTON MONUMENT 5361/8404 A BRASS DISK IN CONCRETE, LOCATED AT THE NORTHWEST CORNER OF TIDWELL ROAD AND BAUMAN STREET INTERSECTION.

ELEVATION=66.01 FEET (NAVD88, GEOID 12A, GPS OBS*)

* OBSERVED BY GPS SURVEYING AND PROCESSED IN REFERENCE TO THE CORS DATED OCT. 27, 2014

T.B.M.

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- RESTRAINED JOINT SECTION
- DIP W/RESTRAINED JOINTS
- PAVEMENT REPAIR, REFER COH DWG NOS. 02902-01 & 02; 02951-01, 02 & 03 ON SHEET No. XXX

NOTE:

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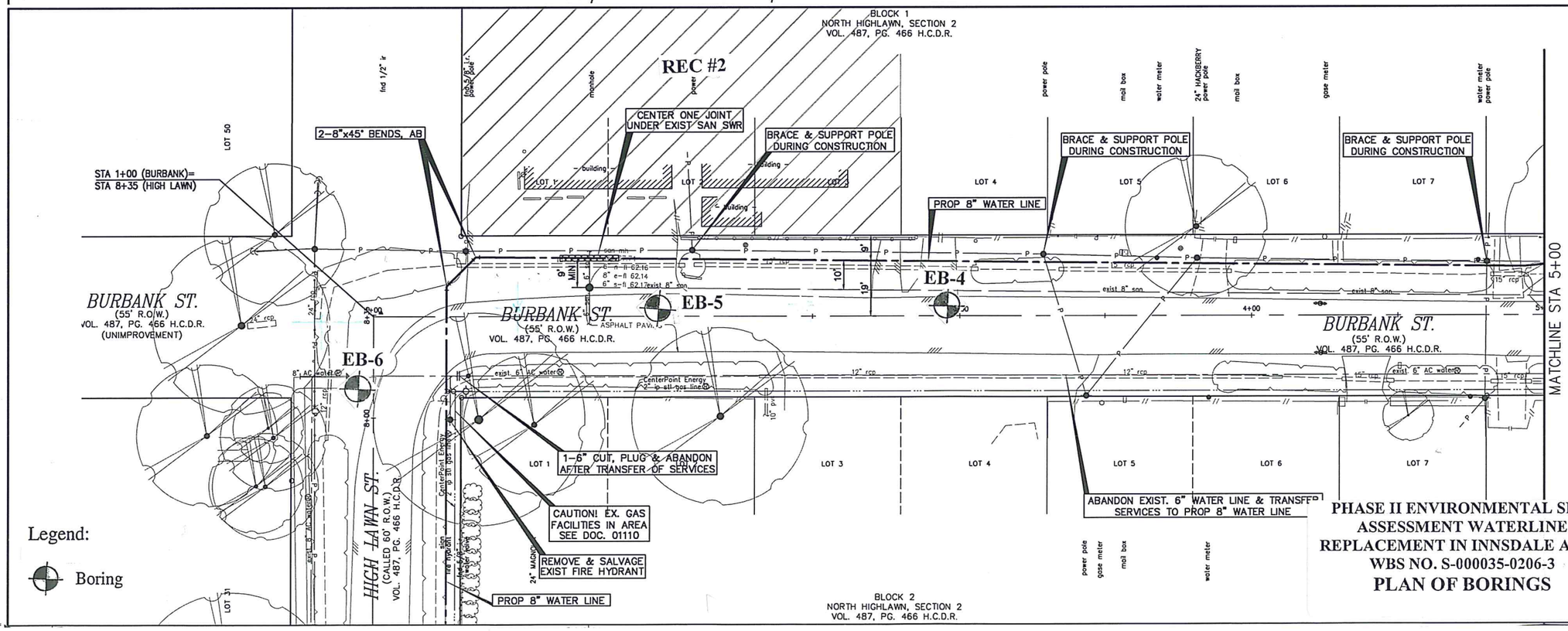
2) TREES ARE LOCATED IN THE VICINITY OF PROPOSED ALIGNMENT OF WATER LINE AND ITS APPURTENANCES. REFER TO THE TREE PROTECTION PLANS FOR APPROPRIATE PROTECTION MEASURES.



Scale 1" = 40'

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T.B.M.

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Legend:

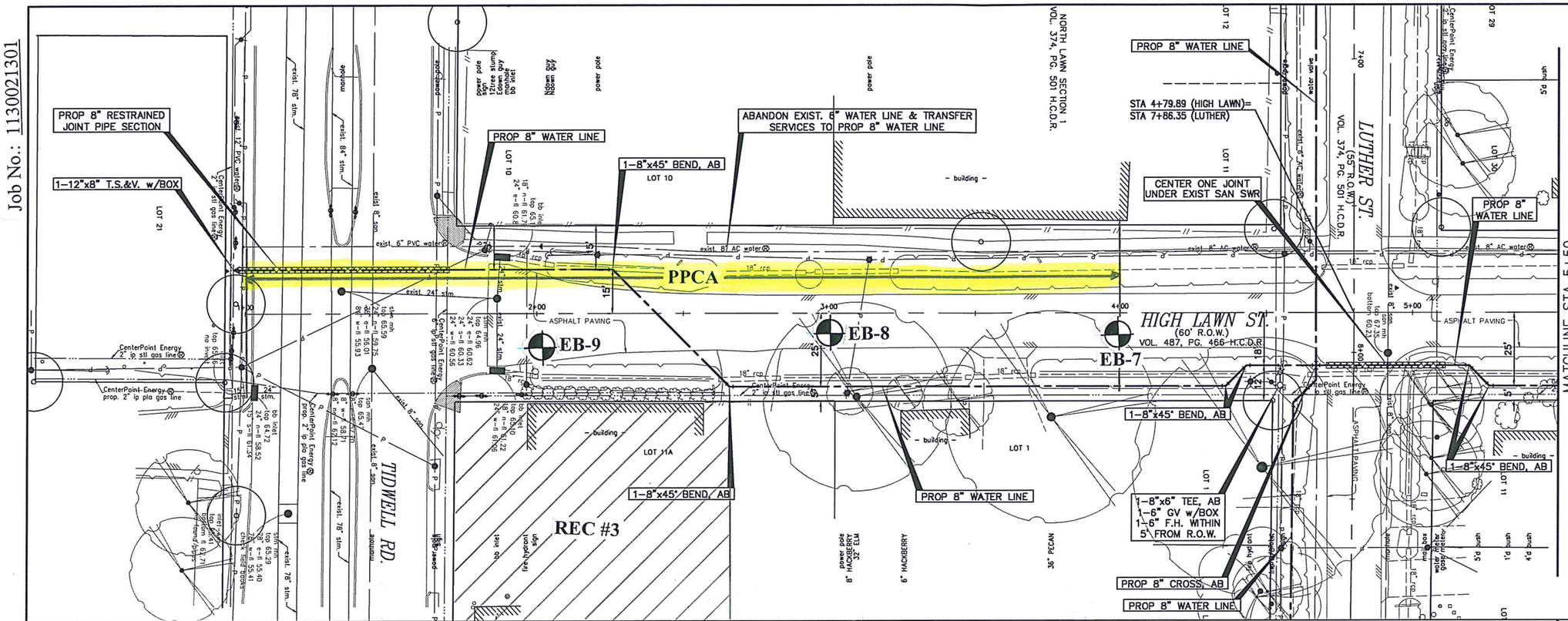
Boring

PHASE II ENVIRONMENTAL SITE ASSESSMENT WATERLINE REPLACEMENT IN INNSDALE AREA
WBS NO. S-000035-0206-3
PLAN OF BORINGS

FIGURE 2.1

No.	Date	Revisions	App.

Job No.: 1130021301



Scale 1" = 40'

BENCHMARK:
CITY OF HOUSTON MONUMENT 5361/8404 A BRASS DISK IN CONCRETE, LOCATED AT THE NORTHWEST CORNER OF TIDWELL ROAD AND BAUMAN STREET INTERSECTION.

ELEVATION=66.01 FEET (NAVD88, GEOID 12A, GPS OBS*)

* OBSERVED BY GPS SURVEYING AND PROCESSED IN REFERENCE TO THE CORS DATED OCT. 27, 2014

T.B.M.

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- RESTRAINED JOINT SECTION
- DIP W/RESTRAINED JOINTS
- PAVEMENT REPAIR, REFER COH DWG NOS. 02902-01 & 02; 02951-01, 02 & 03 ON SHEET No. XXX

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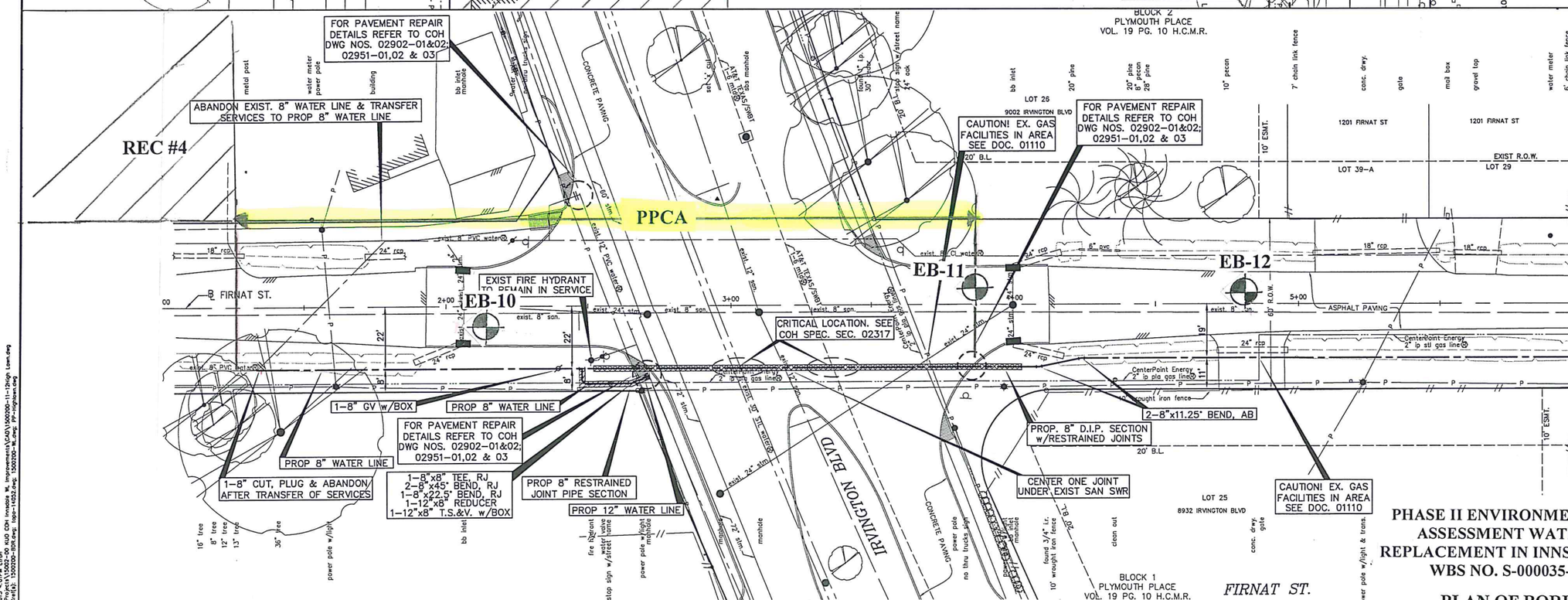

Scale 1" = 40'

BENCHMARK:
CITY OF HOUSTON MONUMENT 5361-8404, A BRASS DISK IN CONCRETE, LOCATED AT THE NORTHWEST CORNER OF TIDWELL ROAD AND BAUMAN STREET INTERSECTION.

ELEV. 66.01 FEET NAVD88 (CORS96) (GEOID 12A)*

* OBSERVED BY GPS SURVEYING AND PROCESSED IN REFERENCE TO THE CORS DATED OCT. 27, 2014

T.B.M. B-72
SET "X" CUT AT FIRNAT ST.
ELEV.=68.10 FEET
D. BL STA. 2+95.39 OFFSET: 37.50L

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- RESTRAINED JOINT SECTION
- DIP W/RESTRAINED JOINTS
- PAVEMENT REPAIR, REFER COH DWG NOS. 02902-01 & 02; 02951-01, 02 & 03 ON SHEET No. 121

NOTE:

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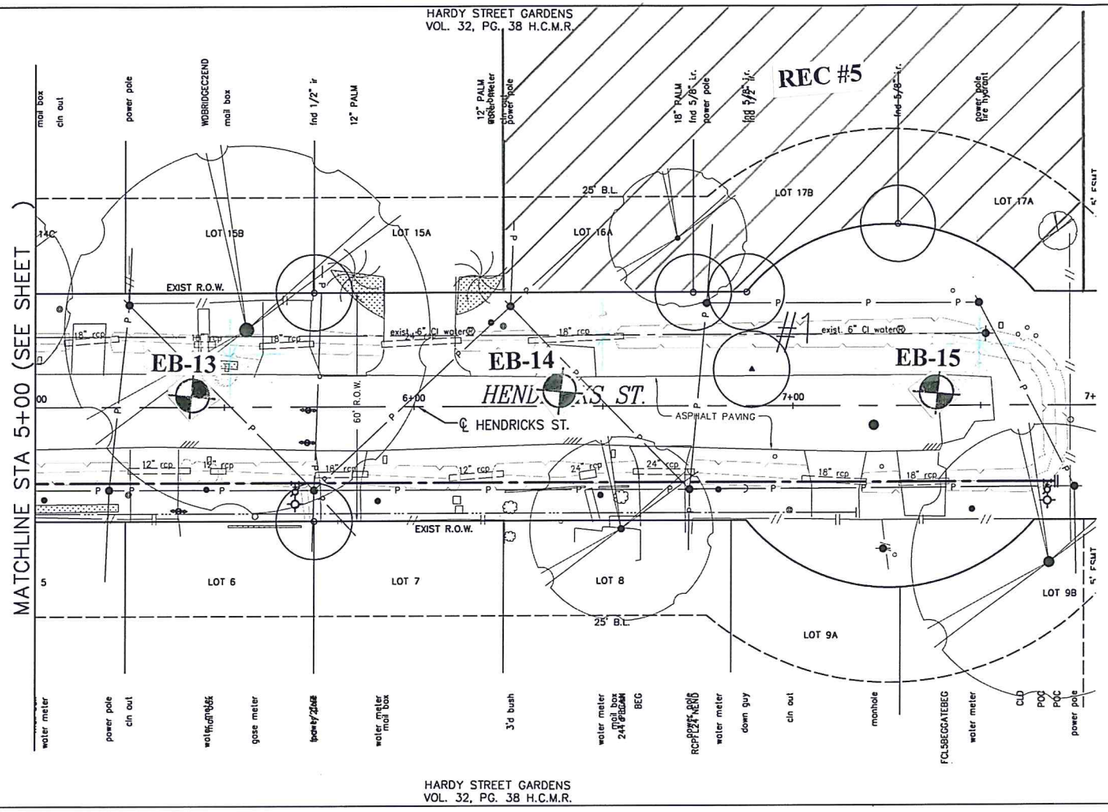
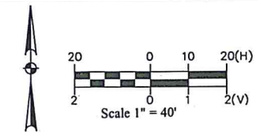
PHASE II ENVIRONMENTAL SITE ASSESSMENT WATERLINE REPLACEMENT IN INNSDALE AREA WBS NO. S-000035-0206-3

PLAN OF BORINGS

FIGURE 2.2

Job No.: 1130021301





BENCHMARK:
CITY OF HOUSTON MONUMENT 5361-8404, A BRASS DISK IN CONCRETE, LOCATED AT THE NORTHWEST CORNER OF TIDWELL ROAD AND BAUMAN STREET INTERSECTION.

ELEV. 66.01 FEET NAVD88 (CORS96) (GEOID 12A)*

* OBSERVED BY GPS SURVEYING AND PROCESSED IN REFERENCE TO THE CORS DATED OCT. 27, 2014

No.	Date	Revisions	App.

T.B.M.

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- RESTRAINED JOINT SECTION
- DIP W/RESTRAINED JOINTS
- PAVEMENT REPAIR, REFER COH DWG NOS. 02902-01 & 02; 02951-01, 02 & 03 ON SHEET No. XXX

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Legend:

Boring

PHASE II ENVIRONMENTAL SITE ASSESSMENT WATERLINE REPLACEMENT IN INNSDALE AREA
WBS NO. S-000035-0206-3
PLAN OF BORINGS

FIGURE 2.3

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT ENERGY AT 713-207-2222
NOTICE:
For your safety, you are required by Texas Law to call 811 at least 48 hours before you dig so that underground line can be marked. This verification does not fulfill your obligation to call 811.

70 VERIFICATION OF PRIVATE UTILITY LINES

68 Date:
CenterPoint Energy/Natural Gas Facilities Verification ONLY.
(This signature verifies that you have shown CNP Natural Gas lines correctly – not to be used for conflict verification) (Gas service lines are not shown)
Signature valid for six months.

66 Date:
CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY
(This signature verifies existing underground facilities – not to be used for conflict verification.)
Signature valid for six months.

64 Date:
Approved for AT&T Texas/SWBT underground conduit facilities only.
SIGNATURE VALID FOR ONE YEAR

62 KUO & associates, Inc. Consulting Engineers & Surveyors — 12700 Richmond Ave., Suite 113, Houston, TX 77082, Tel: (713) 975-9789, Fax: (713) 975-9790, www.kuo-inc.com, TBPE Firm Registration No. F-4578, TBPLS Firm Registration No. 10075600

GUNDA CORPORATION, Engineers, Planners & Managers, 5445 Bintliff, Suite 400, Houston, TX 77036, Tel: 713-988-9292, Fax: 713-988-9291, www.gundacorp.com, TBPE Registration Number: F-2626

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF KUTUBUL A. M. MAINUDDIN, P.E. TEXAS REG. NO.: 93532 ON 02/16/15 IT IS NOT TO BE USED FOR PERMIT, BIDDING OR CONSTRUCTION PURPOSES

60 SURVEYED BY: KUO & ASSOCIATES, Inc. C.O.H. Field Book P–

KUO & ASSOCIATES, INC. F-4578

58 CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

56 WATER LINE REPLACEMENT IN INNSDALE AREA

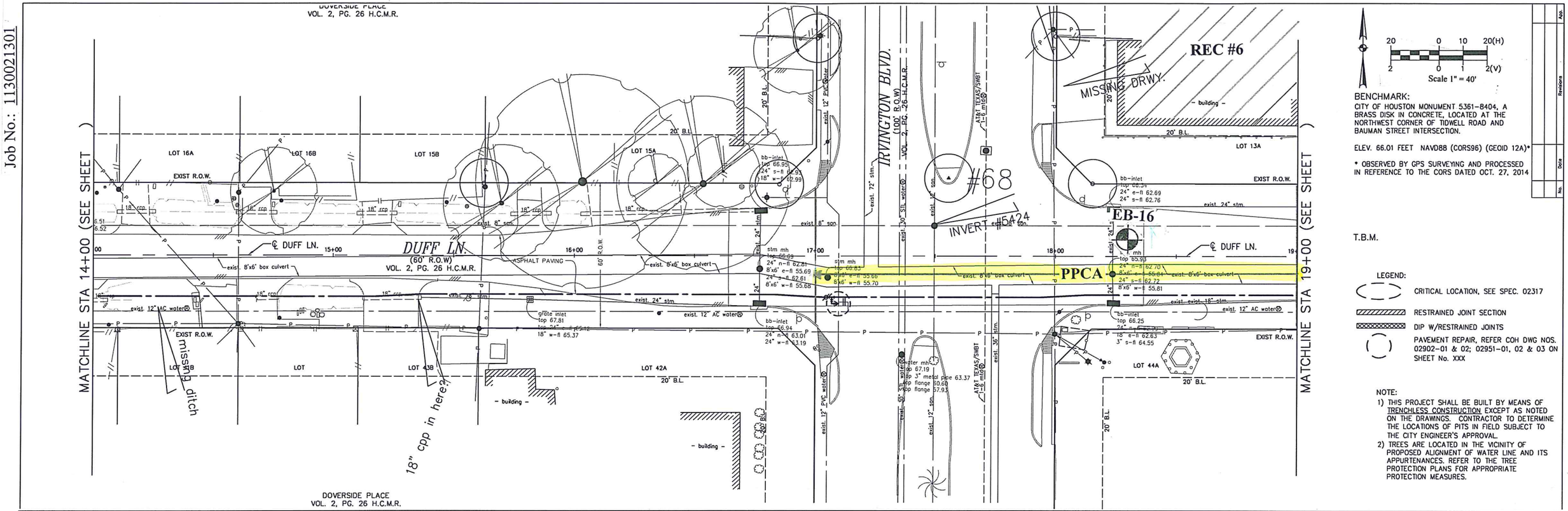
HENDRICKS STREET
PLAN & PROFILE
STA 5+00 TO END

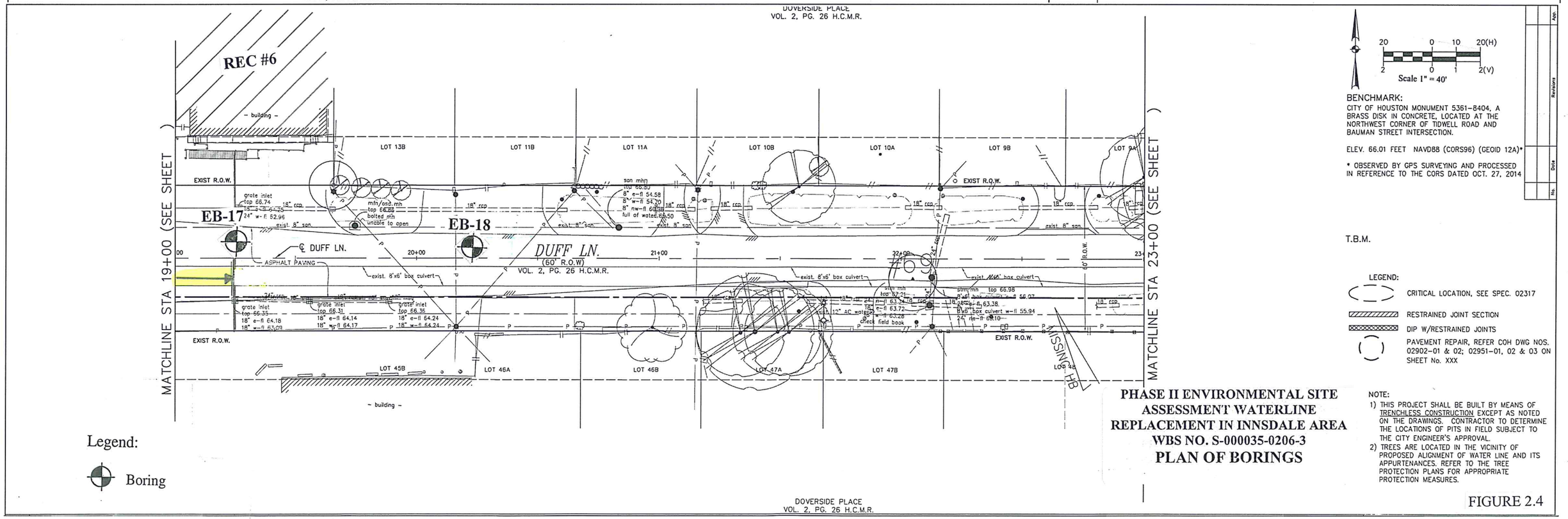
54 C.O.H. WBS NO. S-000035-0206-4

52 DRAWING SCALE
HORIZ: 1"=20',VERT: 1"=2'
CITY OF HOUSTON PM
MUMTAZ BAIG, P.E.
SHEET NO. OF

Jan 30 2015 5:06PM hasb
S:\Proj-2015\0002 (HOUS-INNSDALE PH2)\Dwgs\Dwgs\Sheets\77-78. PP-Hendricks.dwg
Xrefs: 2X(6): Plotmark.dwg, topo-1130021.dwg, 15002-PM-XL.dwg, 15002-1500000-XL.dwg, 15002-TB.dwg

Job No.: 1130021301





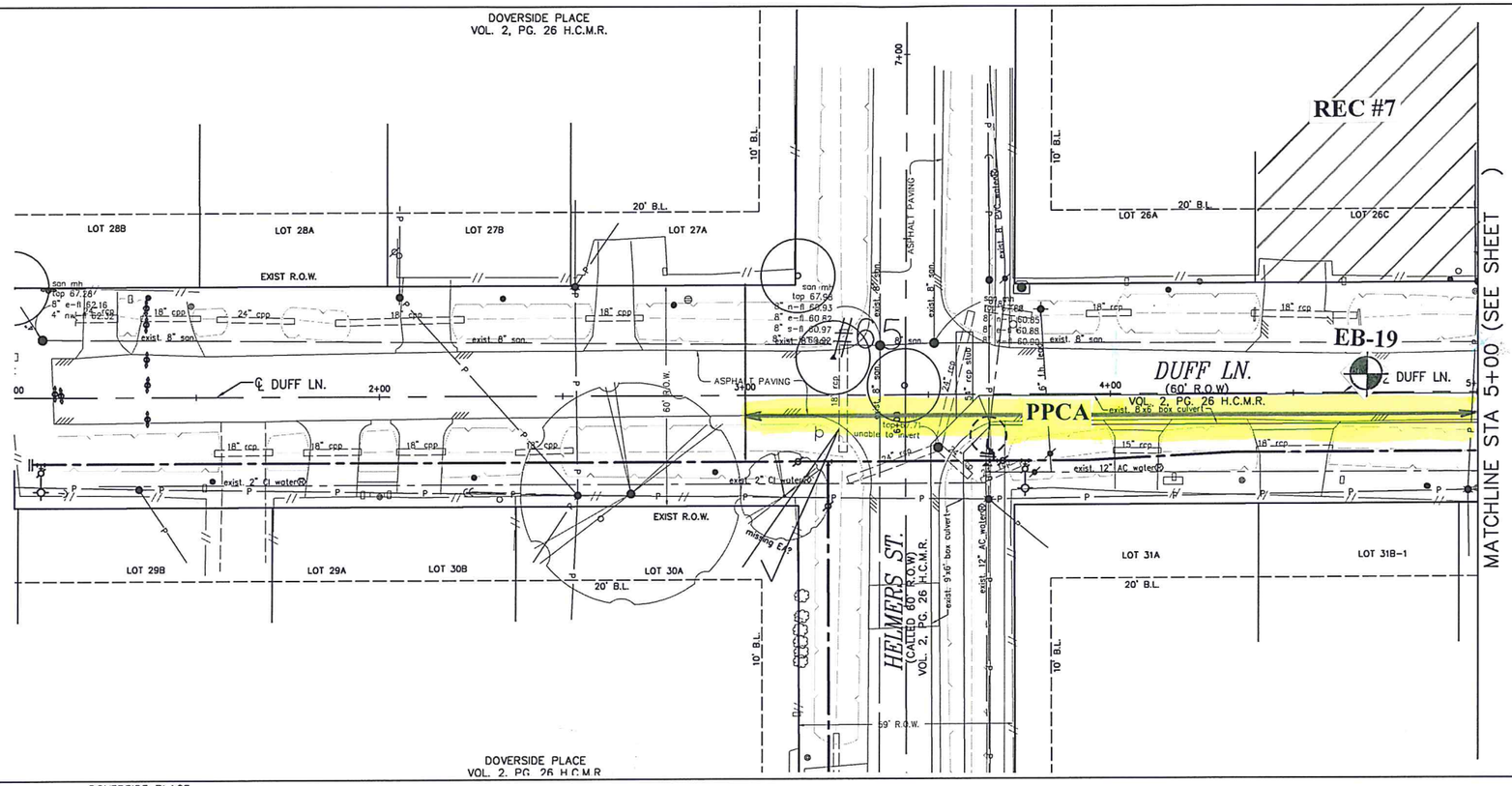
Legend:

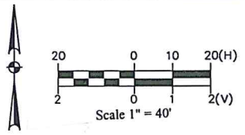
Boring

PHASE II ENVIRONMENTAL SITE ASSESSMENT WATERLINE REPLACEMENT IN INNSDALE AREA
WBS NO. S-000035-0206-3
PLAN OF BORINGS

FIGURE 2.4

Job No.: 1130021301





BENCHMARK:
CITY OF HOUSTON MONUMENT 5361-8404, A BRASS DISK IN CONCRETE, LOCATED AT THE NORTHWEST CORNER OF TIDWELL ROAD AND BAUMAN STREET INTERSECTION.

ELEV. 66.01 FEET NAVD88 (CORS96) (GEOID 12A)*

* OBSERVED BY GPS SURVEYING AND PROCESSED IN REFERENCE TO THE CORS DATED OCT. 27, 2014

T.B.M.

LEGEND:

- CRITICAL LOCATION, SEE SPEC. 02317
- RESTRAINED JOINT SECTION
- DIP W/RESTRAINED JOINTS
- PAVEMENT REPAIR, REFER COH DWG NOS. 02902-01 & 02; 02951-01, 02 & 03 ON SHEET No. XXX

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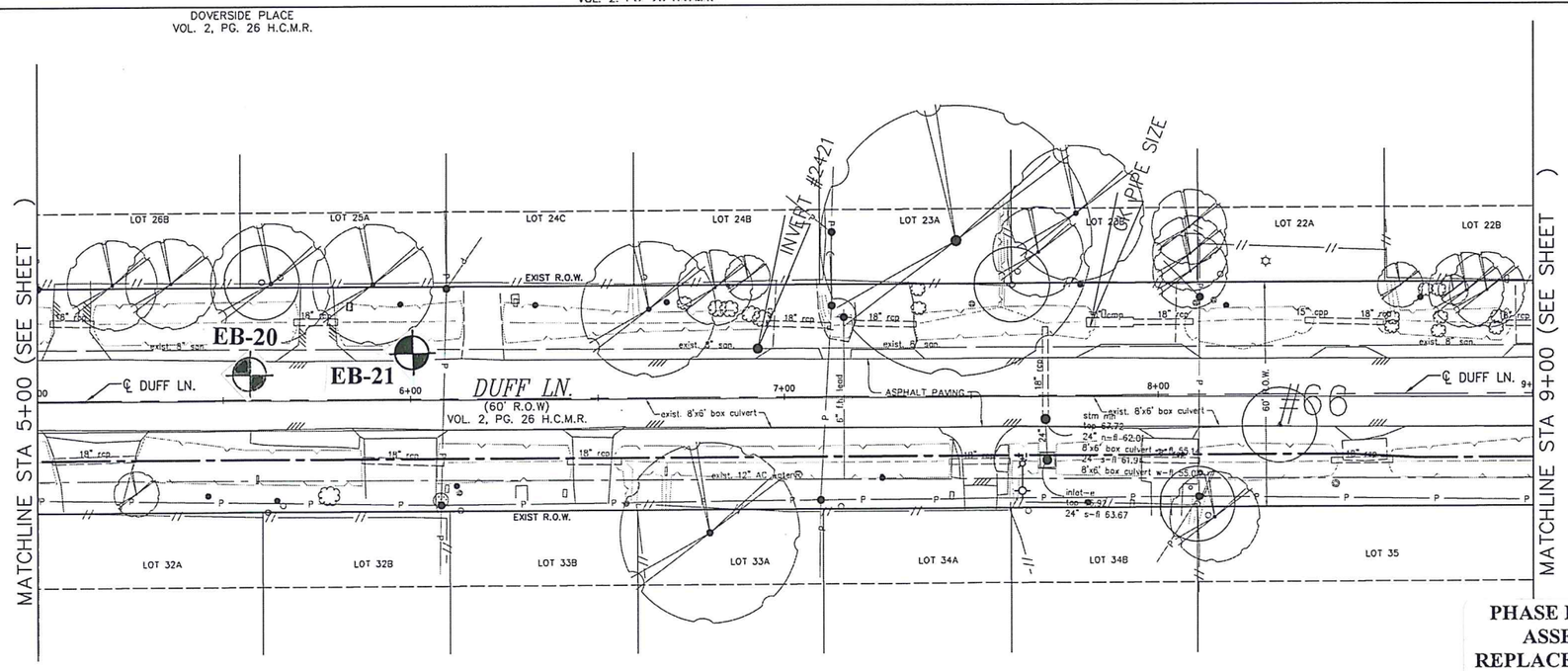

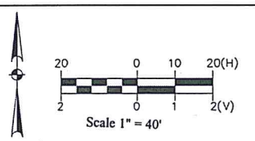

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CITY OF HOUSTON MONUMENT 5361-8404, A BRASS DISK IN CONCRETE, LOCATED AT THE NORTHWEST CORNER OF TIDWELL ROAD AND BAUMAN STREET INTERSECTION.

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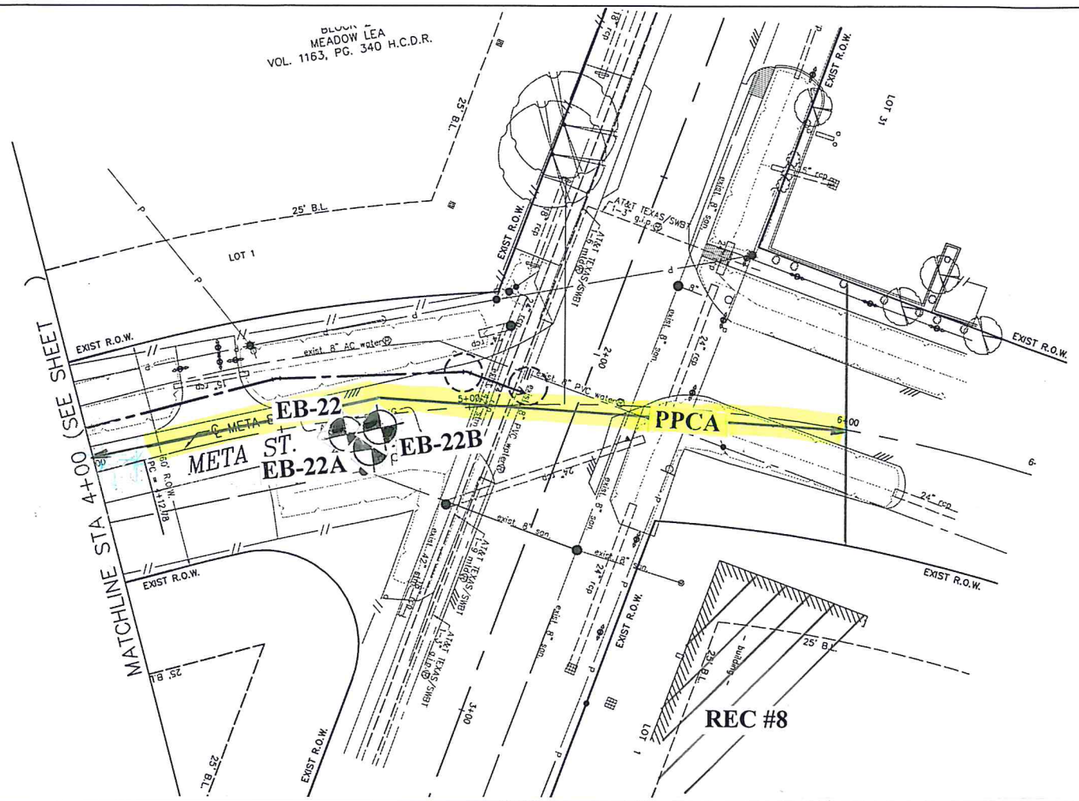
Legend:

Boring

PHASE II ENVIRONMENTAL SITE ASSESSMENT WATERLINE REPLACEMENT IN INNSDALE AREA
WBS NO. S-000035-0206-3
PLAN OF BORINGS

FIGURE 2.5

Job No.: 1130021301



Scale 1" = 40'

BENCHMARK:
CITY OF HOUSTON MONUMENT 5361-8404, A BRASS DISK IN CONCRETE, LOCATED AT THE NORTHWEST CORNER OF TIDWELL ROAD AND BAUMAN STREET INTERSECTION.

ELEV. 66.01 FEET NAVD88 (CORS96) (GEOID 12A)*

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T.B.M.

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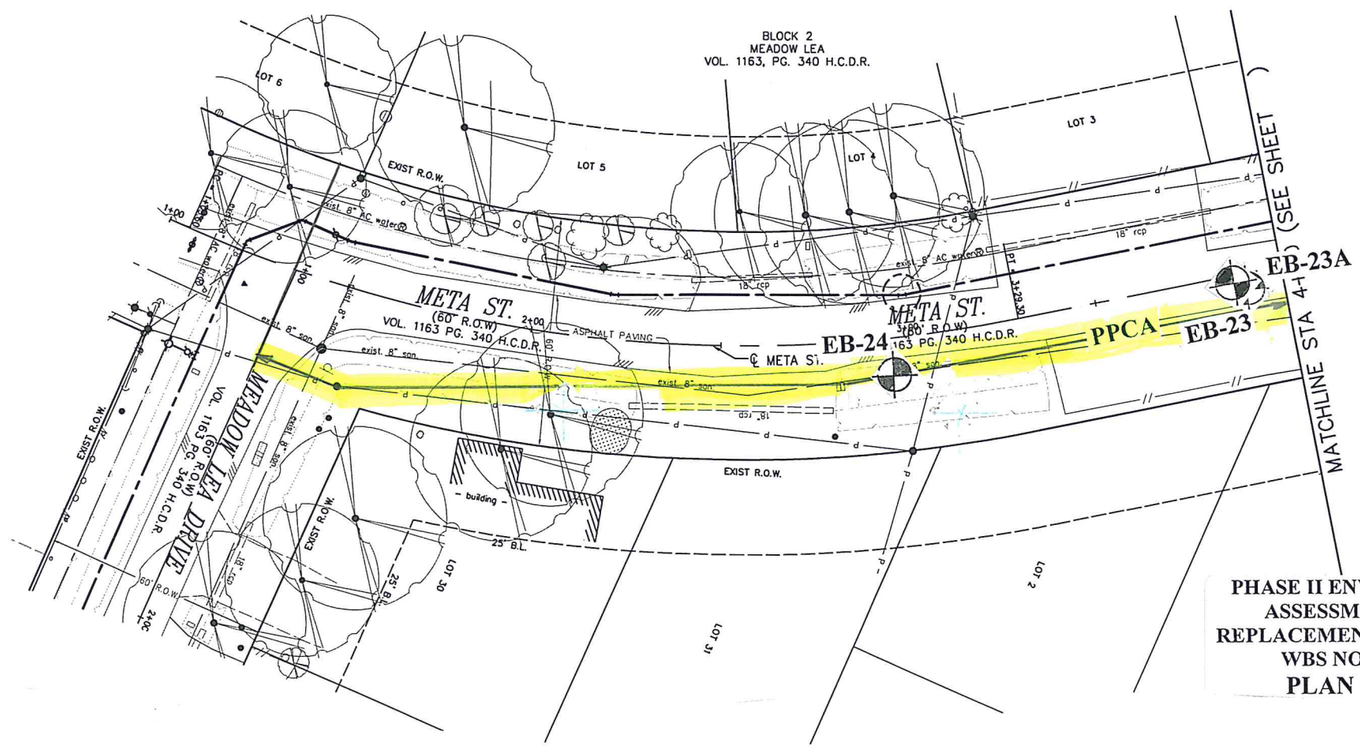

Scale 1" = 40'

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Legend:

Boring

PHASE II ENVIRONMENTAL SITE ASSESSMENT WATERLINE REPLACEMENT IN INNSDALE AREA
WBS NO. S-000035-0206-3
PLAN OF BORINGS

FIGURE 2.6

Jan 30 2015 5:07PM hubb
S:\Proj-2013\13007 FY2013-INNSDALE PH2\Dwgs\Division\Sheets\B2-B3 PP-Metb.dwg

APPENDIX A

Log of Borings and Symbols Used

LOG OF BORING NO. EB-1

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13876795.67, E 3120064.76
McGallion; See Plan of Borings (Figure 2.1)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 70.23 FT.

DATE : 2-11-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			4" Asphalt w/shell												
			Brown and gray SANDY LEAN CLAY (CL)			4.3									
						2.4									
5						4.5									
			Yellowish brown and gray FAT CLAY (CH) w/silt			4.5									
10						6.8	ND	ND	ND	ND	ND	ND			
						6.1									
						6.6									
15			Gray and brown LEAN CLAY (CL)			3.1									
20															
25															
30															
35															

NOTE :
ND - Not Detected

DEPTH TO WATER IN BORING :
No groundwater encountered during drilling.

Geotest Engineering, Inc.

FIGURE A-1

LOG OF BORING NO. EB-2

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13876699.13, E 3120068.07
McGallion; See Plan of Borings (Figure 2.1)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 70.14 FT.

DATE : 2-11-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			4" Asphalt												
			Gray LEAN CLAY (CL)			9.4									
						6.3									
5						4.6									
			Yellowish brown and gray FAT CLAY (CH) w/silt			4.5									
10						5.1									
						5.9									
						4.0									
			Yellow and gray LEAN CLAY (CL)			2.5	ND	ND	ND	ND	ND	ND			
15															
20															
25															
30															
35															

NOTE :
ND - Not Detected

DEPTH TO WATER IN BORING :
No groundwater encountered during drilling.

Geotest Engineering, Inc.

FIGURE A-2

LOG OF BORING NO. EB-3

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13876641.81, E 3120011.28
McGallion; See Plan of Borings (Figure 2.1)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 70.12 FT.

DATE : 2-11-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			4" Asphalt												
			Gray LEAN CLAY (CL)			8.5									
			-w/calcareous nodules 4'-8'			9.6									
5						7.1									
						6.6									
			Yellowish brown and gray FAT CLAY (CH) w/silt												
10			-w/ferrous nodules 10'-14'			6.4									
						8.6	ND	ND	ND	ND	ND	ND			
						7.2									
			Gray LEAN CLAY (CL)			2.7									
15															
20															
25															
30															
35															

NOTE :
ND - Not Detected

DEPTH TO WATER IN BORING :
No groundwater encountered during drilling.

Geotest Engineering, Inc.

FIGURE A-3

LOG OF BORING NO. EB-4

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13875346.10, E 3118256.23
Burbank; See Plan of Borings (Figure 2.1)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 68.26 FT.

DATE : 2-11-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			4" Asphalt												
			Gray LEAN CLAY (CL) w/ferrous nodules and ferrous stains			6.4									
						8.3									
5						7.5									
			-gray and brown w/calcareous nodules 8'-15'			6.8									
10						9.0	ND	ND	ND	ND	ND	ND			
						8.9									
						6.1									
15						2.3									
20			NOTE : ND - Not Detected												
25															
30															
35															

DEPTH TO WATER IN BORING :
No groundwater encountered during drilling.

Geotest Engineering, Inc.

FIGURE A-4

LOG OF BORING NO. EB-5

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13875341.97, E 3118156.94
Burbank; See Plan of Borings (Figure 2.1)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 68.08 FT.

DATE : 2-11-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYCLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			4" Asphalt												
			Gray LEAN CLAY (CL) w/sand seams and calcareous nodules			9.5									
			-yellowish brown and gray 4'-6'			7.9									
5						7.0									
			-yellowish gray and red w/ferrous nodules and ferrous stains 8'-15'			7.3									
10						7.6	ND	ND	ND	ND	ND	ND			
						7.3									
						5.3									
15						1.8									
20			NOTE : ND - Not Detected												
25															
30															
35															

DEPTH TO WATER IN BORING :
No groundwater encountered during drilling.

Geotest Engineering, Inc.

LOG OF BORING NO. EB-6

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13875315.33, E 3118067.23
Highlawn; See Plan of Borings (Figure 2.1)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 68.56 FT.

DATE : 2-11-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			4" Asphalt												
			Gray LEAN CLAY (CL) w/sand seams, calcareous and ferrous nodules and ferrous stains			6.9									
						7.6									
5						6.6									
						7.1	ND	ND	ND	ND	ND	ND			
10						6.8									
						7.0									
			Gray, yellow and red SANDY LEAN CLAY (CL) w/ferrous nodules and ferrous stains			6.9									
15						1.7									
20															
25															
30															
35															

NOTE :
ND - Not Detected

DEPTH TO WATER IN BORING :
No groundwater encountered during drilling.

Geotest Engineering, Inc.

LOG OF BORING NO. EB-7

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13874900.41, E 3118084.92
Highlawn; See Plan of Borings (Figure 2.2)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 67.50 FT.

DATE : 2-12-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			4" Asphalt												
			Gray SILTY SAND (SM) w/calcareous and ferrous nodules			0.5									
						2.1									
5			Gray and brown FAT CLAY (CH) w/sand			0.7									
						1.2									
10						3.3	ND	ND	ND	ND	ND	ND			
						2.6									
						1.7									
15						0.9									
20															
25															
30															
35															

NOTE :
ND - Not Detected

DEPTH TO WATER IN BORING :
No groundwater encountered during drilling.

Geotest Engineering, Inc.

FIGURE A-7

LOG OF BORING NO. EB-8

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13874799.60, E 3118090.96
Highlawn; See Plan of Borings (Figure 2.2)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 67.43 FT.

DATE : 2-12-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			4" Asphalt												
			Dark gray SANDY LEAN CLAY (CL)			1.3									
						2.3									
5			Grayish brown FAT CLAY (CH) w/calcareous and ferrous nodules			4.2							ND		
						2.3									
10						2.1									
						3.2									
						4.0									
15						1.2									
20															
25															
30															
35															

NOTE :
ND - Not Detected

Water:
Toluene - 0.000270

DEPTH TO WATER IN BORING :
▽: Free water encountered at 12.0 ft. during drilling.

Geotest Engineering, Inc.

FIGURE A-8

LOG OF BORING NO. EB-9

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13874704.43, E 3118097.86
Highlawn; See Plan of Borings (Figure 2.2)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 65.24 FT.

DATE : 2-12-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			4" Asphalt												
			Dark gray SANDY LEAN CLAY (CL) w/calcareous nodules -gray and brown 2'-12'			1.7									
						1.9									
5						1.9									
						1.1									
10						1.9	ND	ND	*	ND	ND	ND			
						1.4									
			Reddish brown and yellow FAT CLAY (CH)			0.8									
15						0.5									
20															
25															
30															
35															

NOTE :
ND - Not Detected

* Toluene - 0.00761

DEPTH TO WATER IN BORING :
▽: Free water encountered at 13.0 ft. during drilling.

Geotest Engineering, Inc.

FIGURE A-9

LOG OF BORING NO. EB-10

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13873294.41, E 3121890.56
Firnat; See Plan of Borings (Figure 2.2)

COMPLETION DEPTH : 20.0 FT.

SURFACE ELEVATION : 67.16 FT.

DATE : 2-13-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 20.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			9" Concrete												
			Dark gray LEAN CLAY (CL) w/sand and calcareous nodules			6.3									
						3.4									
5			-w/ferrous nodules 6'-12'			3.9									
						3.8									
10						3.1									
						4.4									
			Reddish FAT CLAY (CH) w/calcareous nodules			1.3									
15						4.0									
						3.3									
20						4.5	ND	ND	ND	ND	ND	ND	*		
25															
30															
35															

NOTE :
ND - Not Detected

*** MTBE - 0.0115**

DEPTH TO WATER IN BORING :
▽: Free water encountered at 13.0 ft. during drilling.

Geotest Engineering, Inc.

FIGURE A-10

LOG OF BORING NO. EB-11

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13873300.11, E 3122059.94
Firnat; See Plan of Borings (Figure 2.2)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 67.33 FT.

DATE : 2-13-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			10" Concrete												
			Gray LEAN CLAY (CL) w/sand and ferrous stains			5.0									
						2.7									
5						5.0									
			Yellowish brown and gray FAT CLAY (CH) w/ferrous stains			5.3	ND	ND	ND	ND	ND	ND			
10						4.8									
						0.9									
						0.5									
15						2.0									
20			NOTE : ND - Not Detected												
25															
30															
35															

DEPTH TO WATER IN BORING :
No groundwater encountered during drilling.

Geotest Engineering, Inc.

FIGURE A-11

LOG OF BORING NO. EB-12

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13873302.40, E 3122157.64
Firnat; See Plan of Borings (Figure 2.2)

COMPLETION DEPTH : 20.0 FT.

SURFACE ELEVATION : 67.92 FT.

DATE : 2-13-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 20.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			6.5" Asphalt												
			Dark gray FAT CLAY (CH) w/ferrous nodules			0.0									
						0.0									
5						0.0									
						0.0									
						0.0									
10						0.0									
						0.1									
15						0.0									
						0.0									
20						0.1	ND	ND	ND	ND	ND	ND			
25															
30															
35															

NOTE :
ND - Not Detected

DEPTH TO WATER IN BORING :
▽: Free water encountered at 14.0 ft. during drilling.

Geotest Engineering, Inc.

FIGURE A-12

LOG OF BORING NO. EB-13

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13872622.60, E 3124221.70
Hendricks; See Plan of Borings (Figure 2.3)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 66.02 FT.

DATE : 2-13-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			4" Asphalt over 8" Stabilized Sand and Shell												
			Dark gray LEAN CLAY (CL) w/sand and ferrous nodules			2.2									
						2.9									
5						1.9									
						1.5									
10						3.6	ND	ND	ND	ND	ND	ND			
						2.8									
						1.2									
15						1.4									
20			NOTE : ND - Not Detected												
25															
30															
35															

DEPTH TO WATER IN BORING :
No groundwater encountered during drilling.

Geotest Engineering, Inc.

FIGURE A-13

LOG OF BORING NO. EB-14

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13872623.24, E 3124320.46
Hendricks; See Plan of Borings (Figure 2.3)

COMPLETION DEPTH : 20.0 FT.

SURFACE ELEVATION : 66.02 FT.

DATE : 2-13-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 20.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			4" Asphalt over 8" Stabilized Shell												
			Dark gray LEAN CLAY (CL) w/sand and calcareous nodules -yellowish brown and gray 2'-10'			5.9									
						5.0									
5						3.7									
						4.5									
						2.9									
10			Brown and gray FAT CLAY (CH) w/ferrous nodules			5.6	ND	ND	ND	ND	ND	ND			
			-reddish brown and gray 14'-20'			2.5									
						1.6									
15						0.0									
						0.0									
						0.0									
20															
			NOTE : ND - Not Detected												
25															
30															
35															

DEPTH TO WATER IN BORING :
No groundwater encountered during drilling.

Geotest Engineering, Inc.

LOG OF BORING NO. EB-15

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13872628.66, E 3124417.71
Hendricks; See Plan of Borings (Figure 2.3)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 65.98 FT.

DATE : 2-13-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			3" Asphalt over 8" Stabilized Shell												
			Dark gray LEAN CLAY (CL) w/sand and ferrous nodules			4.2									
						4.3									
5						2.8									
						4.9	ND	ND	ND	ND	ND	ND			
			Reddish brown and gray FAT CLAY (CH) w/calcareous nodules			3.8									
10						4.3									
						4.0									
15						0.6									
20															
25															
30															
35															

NOTE :
ND - Not Detected

DEPTH TO WATER IN BORING :
No groundwater encountered during drilling.

Geotest Engineering, Inc.

LOG OF BORING NO. EB-16

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13872285.41, E 3122307.27
Duff; See Plan of Borings (Figure 2.4)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 65.82 FT.

DATE : 2-13-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			9" Concrete												
			Yellowish brown LEAN CLAY (CL) w/ferrous nodules			0.4									
			-gray and brown 4'-12'			1.2									
5						1.7									
						1.2									
						3.8									
10			-reddish brown and gray 12'-13'			10.6	ND	ND	ND	ND	ND	ND			
						0.0									
						0.0									
15															
20															
25															
30															
35															

NOTE :
ND - Not Detected

1, 2, 4
Trymethylbenzene - 0.000472

M, P - Xylenes - 0.000594

DEPTH TO WATER IN BORING :
No groundwater encountered during drilling.

Geotest Engineering, Inc.

FIGURE A-16

LOG OF BORING NO. EB-17

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13872285.93, E 3122398.03
Duff; See Plan of Borings (Figure 2.4)

COMPLETION DEPTH : 20.0 FT.

SURFACE ELEVATION : 67.11 FT.

DATE : 2-13-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 20.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			6.5" Asphalt												
			Dark gray LEAN CLAY (CL) w/sand			0.8									
			-yellowish brown and gray 4'-8'			2.1									
5						3.0									
						3.3									
			Gray and yellowish brown FAT CLAY (CH) w/calcareous and ferrous nodules			2.5									
10						3.1									
						3.4									
15						2.0									
						1.6									
20						2.8									
25			No contaminants were detected on tested water sample.												
30															
35															

DEPTH TO WATER IN BORING :
▽: Free water encountered at 12.0 ft. during drilling.

Geotest Engineering, Inc.

FIGURE A-17

LOG OF BORING NO. EB-18

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13872284.97, E 3122494.07
Duff; See Plan of Borings (Figure 2.4)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 67.29 FT.

DATE : 2-13-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			11.5" Asphalt												
			Dark gray LEAN CLAY (CL) w/sand			2.9									
			-yellowish brown and gray 4'-12'			1.7									
5						3.8									
						4.2	ND	ND	ND	ND	ND	ND			
10						2.2									
			-brown and gray 12'-15'			1.3									
						0.2									
15						0.6									
20															
25															
30															
35															

NOTE :
ND - Not Detected

DEPTH TO WATER IN BORING :
No groundwater encountered during drilling.

Geotest Engineering, Inc.

FIGURE A-18

LOG OF BORING NO. EB-19

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13872226.08, E 3120951.04
Duff; See Plan of Borings (Figure 2.5)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 67.95 FT.

DATE : 2-12-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			5" Asphalt												
			Gray LEAN CLAY (CL) w/sand and ferrous nodules			0.3									
						0.9									
5						0.7									
						1.1									
			Gray and brown FAT CLAY (CH) w/calcareous and ferrous nodules			1.6									
10						2.0									
						2.1									
15						1.5									
20			Water: Naphthalene – 0.00585 mg/kg Toluene – 0.000270 mg/kg 1, 2, 4 Trymethylbenzene – 0.000100 o-Xylene – 0.000240												
25															
30															
35															

DEPTH TO WATER IN BORING :
▽: Free water encountered at 12.0 ft. during drilling.

Geotest Engineering, Inc.

FIGURE A-19

LOG OF BORING NO. EB-20

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13872230.32, E 3121035.14
Duff; See Plan of Borings (Figure 2.5)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 67.68 FT.

DATE : 2-13-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			7.5" Asphalt over 5.5" Stabilized Shell												
			Brown SILTY CLAY (CL) w/sand			1.6									
						0.1									
5						6.4	ND	ND	ND	ND	ND	ND			
						0.7									
10						1.3									
						1.0									
						0.3									
15						0.4									
20			NOTE : ND - Not Detected												
25															
30															
35															

DEPTH TO WATER IN BORING :
▽: Free water encountered at 13.0 ft. during drilling.

Geotest Engineering, Inc.

FIGURE A-20

LOG OF BORING NO. EB-21

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13872229.01, E 3121016.60
Duff; See Plan of Borings (Figure 2.5)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 67.77 FT.

DATE : 2-13-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			7" Asphalt over 7.5" Stabilized Shell												
			Dark brown SANDY SILT (ML)			0.6									
			Gray and brown LEAN CLAY (CL) w/sand			0.5									
5						0.4									
						1.5									
						0.8									
10			Gray and yellowish brown FAT CLAY (CH) w/ferrous nodules			1.2									
						2.2									
						5.0	ND	ND	ND	ND	ND	ND			
15															
20															
25															
30															
35															

NOTE :
ND - Not Detected

DEPTH TO WATER IN BORING :
No groundwater encountered during drilling.

Geotest Engineering, Inc.

FIGURE A-21

LOG OF BORING NO. EB-22B

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13871478.53, E 3116059.71
Meta; See Plan of Borings (Figure 2.6)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 64.92 FT.

DATE : 2-12-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			Gray LEAN CLAY (CL) w/sand and calcareous nodules			2.9									
						3.3									
5						2.6									
						4.1									
			Yellowish brown and gray FAT CLAY (CH) w/sand seams			4.5									
10						4.6	ND	ND	ND	ND	ND	ND			
						4.3									
						1.8									
15															
20															
25															
30															
35															

NOTE :
ND - Not Detected

Obstruction encountered two times at a depth of about 2 feet in boring EB-22 and EB-22A. The boring was offset to EB-22B.

DEPTH TO WATER IN BORING :
No groundwater encountered during drilling.

Geotest Engineering, Inc.

FIGURE A-22

LOG OF BORING NO. EB-23A

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13871419.97, E 3116102.1
Meta; See Plan of Borings (Figure 2.6)

COMPLETION DEPTH : 20.0 FT.

SURFACE ELEVATION : 64.85 FT.

DATE : 2-12-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 20.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			3" Asphalt												
			Gray SANDY SILT (ML) w/calcareous nodules			2.8									
			Yellowish brown and gray FAT CLAY (CH) w/calcareous nodules			7.8									
5						7.0									
						6.1									
						5.9									
10			Brown and gray LEAN CLAY (CL) w/calcareous and ferrous nodules			3.7									
						4.8									
15						3.8									
						3.6									
20						1.9	ND	*	ND	ND	ND	ND			
25															
30															
35															

NOTE :
ND - Not Detected

* Benzene - 0.000853

Obstruction encountered in boring EB-23 and boring was offset to EB-23A.

DEPTH TO WATER IN BORING :
No groundwater encountered during drilling.

Geotest Engineering, Inc.

FIGURE A-23

LOG OF BORING NO. EB-24

PROJECT : Phase II Environmental Site Assessment
Water Line Replacement in Innsdale Area
WBS No. S-000035-0206-4; Houston, Texas

PROJECT NO. : 1130021301

LOCATION : N 13871342.99, E 3116156.68
Meta; See Plan of Borings (Figure 2.6)

COMPLETION DEPTH : 15.0 FT.

SURFACE ELEVATION : 64.78 FT.

DATE : 2-12-2015

SAMPLER : Shelby Tube/Split Spoon
DRY AUGER : .0 TO 15.0 FT.
WASH BORE : -- TO -- FT.

DEPTH, FEET	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	SPT N-VALUE, BLOWS PER FOOT	HAND PENETROMETER READING, TSF	FIELD SCREENING - ORGANIC VAPOR, ppm	TOTAL PETROLEUM HYDROCARBONS, mg/kg	BTEX, mg/kg: BENZENE	BTEX, mg/kg: TOLUENE	BTEX, mg/kg: ETHYLBENZENE	BTEX, mg/kg: TOTAL XYLENE	TOTAL BTEX, mg/kg	POLYCYCLIC AROMATIC HYDROCARBONS, mg/kg	VOLATILE ORGANIC COMPOUNDS, mg/kg	TOTAL LEAD, mg/kg
0			5" Asphalt												
			Gray LEAN CLAY (CL) w/calcareous nodules			1.5									
						2.8									
5						2.6									
						4.8	ND	ND	ND	ND	ND	ND			
			Gray and brown FAT CLAY (CH) w/sand seams and calcareous nodules			4.0									
10						3.0									
						3.1									
15						2.0									
20			NOTE : ND - Not Detected 1, 2, 4 Trymethylbenzene - 0.000298												
25															
30															
35															

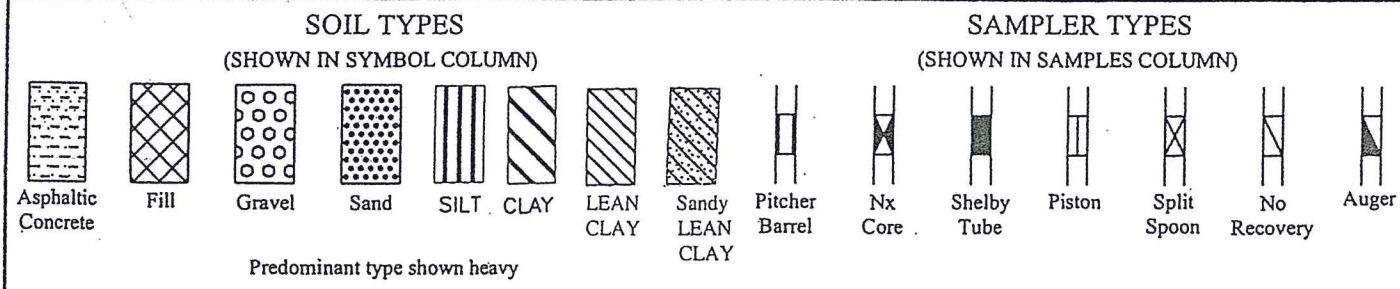
DEPTH TO WATER IN BORING :
No groundwater encountered during drilling.

Geotest Engineering, Inc.

FIGURE A-24

Job No. 1130021301

SYMBOLS AND TERMS USED ON BORING LOGS



TERMS DESCRIBING CONSISTENCY OR CONDITION

Basic Soil Type	Density or Consistency	Standard Penetration Resistance, (1) Blows/ft.	Unconfined Compressive Strength (q_u), (2) Tons/sq. ft.
Cohesionless	Very loose	Less than 4	Not applicable
	Loose	4 to <10	Not applicable
	Medium dense	10 to <30	Not applicable
	Dense	30 to <50	Not applicable
	Very dense	50 or greater	Not applicable
Cohesive	Very soft	Less than 2	Less than 0.25
	Soft	2 to <4	0.25 to <0.5
	Firm/Medium stiff	4 to <8	0.5 to <1.0
	Stiff	8 to <15	1.0 to <2.0
	Very stiff	15 to <30	2.0 to <4.0
	Hard	30 or greater	4 or greater

(1) Number of blows from 140-lb. weight falling 30-in. to drive 2-in. OD, 1-3/8-in. ID, split barrel sampler (ASTM D1586)

(2) q_u may also be approximated using a pocket penetrometer

TERMS CHARACTERIZING SOIL STRUCTURE

Parting: -paper thin in size Seam: -1/8" to 3" thick Layer: -greater than 3"

Slickensided	- having inclined planes of weakness that are slick and glossy in appearance.
Fissured	- containing shrinkage cracks, frequently filled with fine sand or silt; usually more or less vertical.
Laminated	- composed of thin layers of varying color and texture.
Interbedded	- composed of alternate layers of different soil types.
Calcareous	- containing appreciable quantities of calcium carbonate.
Well graded	- having wide range in grain sizes and substantial amounts of all intermediate particle sizes.
Poorly graded	- predominantly of one grain size, or having a range of sizes with some intermediate size missing.
Flocculated	- pertaining to cohesive soils that exhibit a loose knit or flakey structure.

APPENDIX B

LABORATORY REPORT WITH
QUALITY CONTROL INFORMATION

Analytical Report 502475

for

Geotest Engineering, Inc.

Project Manager: Naresh Kolli

Innsdale

1130021301

24-FEB-15

Collected By: Client

4143 Greenbriar Dr., Stafford, TX 77477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-14-18), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
New Jersey (TX007), North Carolina(681), Oklahoma (9218), Pennsylvania (68-03610)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

24-FEB-15

Project Manager: **Naresh Kolli**
Geotest Engineering, Inc.
5600 Bintliff
Houston, TX 77036

Reference: XENCO Report No(s): **502475**
Innsdale
Project Address: Innsdale Area

Naresh Kolli:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 502475. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 502475 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Debbie Simmons

Debbie Simmons
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
EB-1	S	02-11-15 09:30	8 - 10 ft	502475-001
EB-2	S	02-11-15 10:30	14 - 15 ft	502475-002
EB-3	S	02-11-15 11:30	10 - 12 ft	502475-003
EB-4	S	02-11-15 12:30	8 - 10 ft	502475-004
EB-5	S	02-11-15 13:45	14 - 15 ft	502475-005
EB-6	S	02-11-15 14:45	6 - 8 ft	502475-006
EB-7	S	02-12-15 09:30	8 - 10 ft	502475-007
EB-8	S	02-12-15 10:45	4 - 6 ft	502475-008
EB-9	S	02-12-15 11:50	8 - 10 ft	502475-009
EB-10	S	02-13-15 12:30	18 - 20 ft	502475-010
EB-11	S	02-13-15 13:30	6 - 8 ft	502475-011
EB-12	S	02-13-15 14:30	18 - 20 ft	502475-012
EB-13	S	02-13-15 16:01	8 - 10 ft	502475-013
EB-14	S	02-13-15 16:30	10 - 12 ft	502475-014
EB-15	S	02-13-15 17:15	6 - 8 ft	502475-015
EB-16	S	02-13-15 11:30	10 - 12 ft	502475-016
EB-18	S	02-13-15 13:00	6 - 8 ft	502475-017
EB-20	S	02-13-15 09:00	4 - 6 ft	502475-018
EB-21	S	02-13-15 10:30	14 - 15 ft	502475-019
EB-22B	S	02-12-15 13:00	10 - 12 ft	502475-020
EB-23A	S	02-12-15 14:00	18 - 20 ft	502475-021
EB-24	S	02-12-15 14:45	6 - 8 ft	502475-022
EB-8	W	02-12-15 00:00		502475-024
EB-10	W	02-13-15 00:00		502475-025
EB-14	W	02-13-15 00:00		502475-026
EB-17	W	02-13-15 00:00		502475-027
EB-19	W	02-12-15 00:00		502475-028
Composite sample	S	02-11-15 00:00		502475-029
Composite sample	S	02-11-15 00:00		502475-030
Composite sample	S	02-11-15 00:00		502475-031

CASE NARRATIVE

Client Name: Geotest Engineering, Inc.
Project Name: Innsdale

Project ID: *1130021301*
Work Order Number(s): *502475*

Report Date: *24-FEB-15*
Date Received: *02/16/2015*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-962382 VOAs by SW-846 8260B
SW8260B
Batch 962382, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-Chloropropane, 1,2-Dibromoethane, 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichlorobenzene, 2-Chlorotoluene, 4-Chlorotoluene, Bromobenzene, Bromodichloromethane, Bromoform, Dibromochloromethane, Dibromomethane, MTBE, Naphthalene, Styrene, cis-1,3-Dichloropropene, trans-1,3-dichloropropene RPD between matrix spike and duplicate was outside QC limits.
Samples in the analytical batch are: 502475-021, -029
SW8260B
Batch 962382,
Lab Sample ID 502475-021 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). MTBE recovered below QC limits in the Matrix Spike. 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 1,2-Dibromoethane, 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3-Dichlorobenzene, 1,3-Dichloropropane, 1,4-Dichlorobenzene, 4-Chlorotoluene, Bromobenzene, Bromodichloromethane, Bromoform, Dibromochloromethane, Dibromomethane, Methylene Chloride, Naphthalene, cis-1,3-Dichloropropene, trans-1,3-dichloropropene recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 502475-021, -029.
The Laboratory Control Sample for 1,2-Dichloropropane, 1,3-Dichlorobenzene, Bromodichloromethane, Methylene Chloride, 1,2,3-Trichloropropane, 1,2-Dichloroethane, 1,3-Dichloropropane, 1,4-Dichlorobenzene, MTBE, Naphthalene, Bromobenzene, cis-1,3-Dichloropropene, trans-1,3-dichloropropene, 1,1,2,2-Tetrachloroethane, Dibromomethane, 1,2,4-Trichlorobenzene, 1,2-Dibromoethane, 1,2-Dichlorobenzene, 1,2,3-Trichlorobenzene, 4-Chlorotoluene, Dibromochloromethane, 1,1,2-Trichloroethane, 1,2-Dibromo-3-Chloropropane, Bromoform is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-962414 VOAs by SW-846 8260B
MS/MSD randomly selected for this batch and is not from this work order/project.

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**EB-1**	Matrix:	Soil	Sample Depth:	8 - 10 ft
Lab Sample Id:	502475-001	Date Collected:	02.11.15 09.30	Date Received:	02.16.15 14.40

Analytical Method:	Total Petroleum Hydrocarbons by Texas 1005			Prep Method:	1005
Analyst:	PKH	% Moist:	20.73	Tech:	PKH
Seq Number:	962289	Date Prep:	02.18.15 13.03		
		Prep seq:	688709		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C6-C12 Gasoline Range Hydrocarbons	PHC612	<11.3	63.0	11.3	mg/kg	02.19.15 09:47	U	1
C12-C28 Diesel Range Hydrocarbons	PHCG1028	<11.3	63.0	11.3	mg/kg	02.19.15 09:47	U	1
C28-C35 Oil Range Hydrocarbons	PHCG2835	<11.3	63.0	11.3	mg/kg	02.19.15 09:47	U	1
Total TPH 1005	PHC635	<11.3		11.3	mg/kg	02.19.15 09:47	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
o-Terphenyl	75	70 - 130	%		
1-Chlorooctane	71	70 - 130	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-1** Matrix: Soil Sample Depth: 8 - 10 ft

Lab Sample Id: 502475-001 Date Collected: 02.11.15 09.30 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 20.73 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.01

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000197	0.00629	0.000197	mg/kg	02.19.15 13:28	U	1
Bromobenzene	108-86-1	<0.000552	0.00629	0.000552	mg/kg	02.19.15 13:28	U	1
Bromochloromethane	74-97-5	<0.000598	0.00629	0.000598	mg/kg	02.19.15 13:28	U	1
Bromodichloromethane	75-27-4	<0.000334	0.00629	0.000334	mg/kg	02.19.15 13:28	U	1
Bromoform	75-25-2	<0.000879	0.00629	0.000879	mg/kg	02.19.15 13:28	U	1
Bromomethane	74-83-9	<0.00133	0.00629	0.00133	mg/kg	02.19.15 13:28	U	1
MTBE	1634-04-4	<0.000428	0.00629	0.000428	mg/kg	02.19.15 13:28	U	1
tert-Butylbenzene	98-06-6	<0.000260	0.00629	0.000260	mg/kg	02.19.15 13:28	U	1
Sec-Butylbenzene	135-98-8	<0.000617	0.00629	0.000617	mg/kg	02.19.15 13:28	U	1
n-Butylbenzene	104-51-8	<0.000591	0.00629	0.000591	mg/kg	02.19.15 13:28	U	1
Carbon Tetrachloride	56-23-5	<0.000294	0.00629	0.000294	mg/kg	02.19.15 13:28	U	1
Chlorobenzene	108-90-7	<0.000301	0.00629	0.000301	mg/kg	02.19.15 13:28	U	1
Chloroethane	75-00-3	<0.000691	0.0126	0.000691	mg/kg	02.19.15 13:28	U	1
Chloroform	67-66-3	<0.000368	0.00629	0.000368	mg/kg	02.19.15 13:28	U	1
Chloromethane	74-87-3	<0.000376	0.0126	0.000376	mg/kg	02.19.15 13:28	U	1
2-Chlorotoluene	95-49-8	<0.000494	0.00629	0.000494	mg/kg	02.19.15 13:28	U	1
4-Chlorotoluene	106-43-4	<0.000553	0.00629	0.000553	mg/kg	02.19.15 13:28	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000529	0.00629	0.000529	mg/kg	02.19.15 13:28	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00195	0.00629	0.00195	mg/kg	02.19.15 13:28	U	1
Dibromochloromethane	124-48-1	<0.000595	0.00629	0.000595	mg/kg	02.19.15 13:28	U	1
Dibromomethane	74-95-3	<0.000444	0.00629	0.000444	mg/kg	02.19.15 13:28	U	1
1,2-Dichlorobenzene	95-50-1	<0.000543	0.00629	0.000543	mg/kg	02.19.15 13:28	U	1
1,3-Dichlorobenzene	541-73-1	<0.000468	0.00629	0.000468	mg/kg	02.19.15 13:28	U	1
1,4-Dichlorobenzene	106-46-7	<0.000299	0.00629	0.000299	mg/kg	02.19.15 13:28	U	1
Dichlorodifluoromethane	75-71-8	<0.000536	0.00629	0.000536	mg/kg	02.19.15 13:28	U	1
1,2-Dichloroethane	107-06-2	<0.000442	0.00629	0.000442	mg/kg	02.19.15 13:28	U	1
1,1-Dichloroethane	75-34-3	<0.000253	0.00629	0.000253	mg/kg	02.19.15 13:28	U	1
trans-1,2-dichloroethene	156-60-5	<0.000368	0.00629	0.000368	mg/kg	02.19.15 13:28	U	1
1,2-Dibromoethane	106-93-4	<0.000533	0.00629	0.000533	mg/kg	02.19.15 13:28	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000428	0.00629	0.000428	mg/kg	02.19.15 13:28	U	1
1,1-Dichloroethene	75-35-4	<0.000299	0.00629	0.000299	mg/kg	02.19.15 13:28	U	1
2,2-Dichloropropane	594-20-7	<0.00149	0.00629	0.00149	mg/kg	02.19.15 13:28	U	1
1,3-Dichloropropane	142-28-9	<0.000315	0.00629	0.000315	mg/kg	02.19.15 13:28	U	1
1,2-Dichloropropane	78-87-5	<0.000595	0.00629	0.000595	mg/kg	02.19.15 13:28	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000382	0.00629	0.000382	mg/kg	02.19.15 13:28	U	1
1,1-Dichloropropene	563-58-6	<0.000533	0.00629	0.000533	mg/kg	02.19.15 13:28	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000538	0.00629	0.000538	mg/kg	02.19.15 13:28	U	1
Ethylbenzene	100-41-4	<0.000541	0.00629	0.000541	mg/kg	02.19.15 13:28	U	1
Hexachlorobutadiene	87-68-3	<0.00109	0.00629	0.00109	mg/kg	02.19.15 13:28	U	1
isopropylbenzene	98-82-8	<0.000211	0.00629	0.000211	mg/kg	02.19.15 13:28	U	1
Methylene Chloride	75-09-2	<0.000741	0.0252	0.000741	mg/kg	02.19.15 13:28	U	1
Naphthalene	91-20-3	<0.000341	0.0126	0.000341	mg/kg	02.19.15 13:28	U	1
n-Propylbenzene	103-65-1	<0.000226	0.00629	0.000226	mg/kg	02.19.15 13:28	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**EB-1**	Matrix:	Soil	Sample Depth:	8 - 10 ft
Lab Sample Id:	502475-001	Date Collected:	02.11.15 09.30	Date Received:	02.16.15 14.40
Analytical Method:	VOAs by SW-846 8260			Prep Method:	5030B
Analyst:	MCH	% Moist:	20.73	Tech:	MCH
Seq Number:	962371	Date Prep:	02.19.15 12.01		
		Prep seq:	688859		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000189	0.00629	0.000189	mg/kg	02.19.15 13:28	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000512	0.00629	0.000512	mg/kg	02.19.15 13:28	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000577	0.00629	0.000577	mg/kg	02.19.15 13:28	U	1
Tetrachloroethylene	127-18-4	<0.000322	0.00629	0.000322	mg/kg	02.19.15 13:28	U	1
Toluene	108-88-3	<0.000581	0.00629	0.000581	mg/kg	02.19.15 13:28	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000546	0.00629	0.000546	mg/kg	02.19.15 13:28	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000306	0.00629	0.000306	mg/kg	02.19.15 13:28	U	1
1,1,2-Trichloroethane	79-00-5	<0.000410	0.00629	0.000410	mg/kg	02.19.15 13:28	U	1
1,1,1-Trichloroethane	71-55-6	<0.000426	0.00629	0.000426	mg/kg	02.19.15 13:28	U	1
Trichloroethene	79-01-6	<0.000412	0.00629	0.000412	mg/kg	02.19.15 13:28	U	1
Trichlorofluoromethane	75-69-4	<0.000611	0.00629	0.000611	mg/kg	02.19.15 13:28	U	1
1,2,3-Trichloropropane	96-18-4	<0.000883	0.00629	0.000883	mg/kg	02.19.15 13:28	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.000142	0.00629	0.000142	mg/kg	02.19.15 13:28	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000500	0.00629	0.000500	mg/kg	02.19.15 13:28	U	1
Vinyl Chloride	75-01-4	<0.00104	0.00252	0.00104	mg/kg	02.19.15 13:28	U	1
o-Xylene	95-47-6	<0.000351	0.00629	0.000351	mg/kg	02.19.15 13:28	U	1
m,p-Xylenes	179601-23-1	<0.000486	0.0126	0.000486	mg/kg	02.19.15 13:28	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	102	53 - 142	%		
1,2-Dichloroethane-D4	112	56 - 150	%		
Toluene-D8	96	70 - 130	%		
4-Bromofluorobenzene	98	68 - 152	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**EB-2**	Matrix:	Soil	Sample Depth:	14 - 15 ft
Lab Sample Id:	502475-002	Date Collected:	02.11.15 10.30	Date Received:	02.16.15 14.40

Analytical Method:	Total Petroleum Hydrocarbons by Texas 1005			Prep Method:	1005
Analyst:	PKH	% Moist:	15.18	Tech:	PKH
Seq Number:	962289	Date Prep:	02.18.15 13.06		
		Prep seq:	688709		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C6-C12 Gasoline Range Hydrocarbons	PHC612	<10.6	58.8	10.6	mg/kg	02.19.15 10:06	U	1
C12-C28 Diesel Range Hydrocarbons	PHCG1028	<10.6	58.8	10.6	mg/kg	02.19.15 10:06	U	1
C28-C35 Oil Range Hydrocarbons	PHCG2835	<10.6	58.8	10.6	mg/kg	02.19.15 10:06	U	1
Total TPH 1005	PHC635	<10.6		10.6	mg/kg	02.19.15 10:06	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
o-Terphenyl	75	70 - 130	%		
1-Chlorooctane	71	70 - 130	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-2** Matrix: Soil Sample Depth: 14 - 15 ft

Lab Sample Id: 502475-002 Date Collected: 02.11.15 10.30 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 15.18 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.07

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000185	0.00589	0.000185	mg/kg	02.19.15 16:16	U	1
Bromobenzene	108-86-1	<0.000517	0.00589	0.000517	mg/kg	02.19.15 16:16	U	1
Bromochloromethane	74-97-5	<0.000560	0.00589	0.000560	mg/kg	02.19.15 16:16	U	1
Bromodichloromethane	75-27-4	<0.000313	0.00589	0.000313	mg/kg	02.19.15 16:16	U	1
Bromoform	75-25-2	<0.000823	0.00589	0.000823	mg/kg	02.19.15 16:16	U	1
Bromomethane	74-83-9	<0.00125	0.00589	0.00125	mg/kg	02.19.15 16:16	U	1
MTBE	1634-04-4	<0.000401	0.00589	0.000401	mg/kg	02.19.15 16:16	U	1
tert-Butylbenzene	98-06-6	<0.000243	0.00589	0.000243	mg/kg	02.19.15 16:16	U	1
Sec-Butylbenzene	135-98-8	<0.000578	0.00589	0.000578	mg/kg	02.19.15 16:16	U	1
n-Butylbenzene	104-51-8	<0.000554	0.00589	0.000554	mg/kg	02.19.15 16:16	U	1
Carbon Tetrachloride	56-23-5	<0.000275	0.00589	0.000275	mg/kg	02.19.15 16:16	U	1
Chlorobenzene	108-90-7	<0.000282	0.00589	0.000282	mg/kg	02.19.15 16:16	U	1
Chloroethane	75-00-3	<0.000647	0.0118	0.000647	mg/kg	02.19.15 16:16	U	1
Chloroform	67-66-3	<0.000345	0.00589	0.000345	mg/kg	02.19.15 16:16	U	1
Chloromethane	74-87-3	<0.000352	0.0118	0.000352	mg/kg	02.19.15 16:16	U	1
2-Chlorotoluene	95-49-8	<0.000463	0.00589	0.000463	mg/kg	02.19.15 16:16	U	1
4-Chlorotoluene	106-43-4	<0.000518	0.00589	0.000518	mg/kg	02.19.15 16:16	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000496	0.00589	0.000496	mg/kg	02.19.15 16:16	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00183	0.00589	0.00183	mg/kg	02.19.15 16:16	U	1
Dibromochloromethane	124-48-1	<0.000557	0.00589	0.000557	mg/kg	02.19.15 16:16	U	1
Dibromomethane	74-95-3	<0.000415	0.00589	0.000415	mg/kg	02.19.15 16:16	U	1
1,2-Dichlorobenzene	95-50-1	<0.000508	0.00589	0.000508	mg/kg	02.19.15 16:16	U	1
1,3-Dichlorobenzene	541-73-1	<0.000438	0.00589	0.000438	mg/kg	02.19.15 16:16	U	1
1,4-Dichlorobenzene	106-46-7	<0.000280	0.00589	0.000280	mg/kg	02.19.15 16:16	U	1
Dichlorodifluoromethane	75-71-8	<0.000502	0.00589	0.000502	mg/kg	02.19.15 16:16	U	1
1,2-Dichloroethane	107-06-2	<0.000414	0.00589	0.000414	mg/kg	02.19.15 16:16	U	1
1,1-Dichloroethane	75-34-3	<0.000237	0.00589	0.000237	mg/kg	02.19.15 16:16	U	1
1,2-Dibromoethane	106-93-4	<0.000499	0.00589	0.000499	mg/kg	02.19.15 16:16	U	1
trans-1,2-dichloroethene	156-60-5	<0.000345	0.00589	0.000345	mg/kg	02.19.15 16:16	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000401	0.00589	0.000401	mg/kg	02.19.15 16:16	U	1
1,1-Dichloroethene	75-35-4	<0.000280	0.00589	0.000280	mg/kg	02.19.15 16:16	U	1
2,2-Dichloropropane	594-20-7	<0.00140	0.00589	0.00140	mg/kg	02.19.15 16:16	U	1
1,3-Dichloropropane	142-28-9	<0.000295	0.00589	0.000295	mg/kg	02.19.15 16:16	U	1
1,2-Dichloropropane	78-87-5	<0.000557	0.00589	0.000557	mg/kg	02.19.15 16:16	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000358	0.00589	0.000358	mg/kg	02.19.15 16:16	U	1
1,1-Dichloropropene	563-58-6	<0.000499	0.00589	0.000499	mg/kg	02.19.15 16:16	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000504	0.00589	0.000504	mg/kg	02.19.15 16:16	U	1
Ethylbenzene	100-41-4	<0.000507	0.00589	0.000507	mg/kg	02.19.15 16:16	U	1
Hexachlorobutadiene	87-68-3	<0.00102	0.00589	0.00102	mg/kg	02.19.15 16:16	U	1
isopropylbenzene	98-82-8	<0.000197	0.00589	0.000197	mg/kg	02.19.15 16:16	U	1
Methylene Chloride	75-09-2	<0.000694	0.0236	0.000694	mg/kg	02.19.15 16:16	U	1
Naphthalene	91-20-3	<0.000320	0.0118	0.000320	mg/kg	02.19.15 16:16	U	1
n-Propylbenzene	103-65-1	<0.000211	0.00589	0.000211	mg/kg	02.19.15 16:16	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**EB-2**	Matrix:	Soil	Sample Depth:	14 - 15 ft
Lab Sample Id:	502475-002	Date Collected:	02.11.15 10.30	Date Received:	02.16.15 14.40
Analytical Method:	VOAs by SW-846 8260			Prep Method:	5030B
Analyst:	MCH	% Moist:	15.18	Tech:	MCH
Seq Number:	962371	Date Prep:	02.19.15 12.07		
		Prep seq:	688859		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000177	0.00589	0.000177	mg/kg	02.19.15 16:16	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000480	0.00589	0.000480	mg/kg	02.19.15 16:16	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000541	0.00589	0.000541	mg/kg	02.19.15 16:16	U	1
Tetrachloroethylene	127-18-4	<0.000302	0.00589	0.000302	mg/kg	02.19.15 16:16	U	1
Toluene	108-88-3	<0.000544	0.00589	0.000544	mg/kg	02.19.15 16:16	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000512	0.00589	0.000512	mg/kg	02.19.15 16:16	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000286	0.00589	0.000286	mg/kg	02.19.15 16:16	U	1
1,1,2-Trichloroethane	79-00-5	<0.000384	0.00589	0.000384	mg/kg	02.19.15 16:16	U	1
1,1,1-Trichloroethane	71-55-6	<0.000399	0.00589	0.000399	mg/kg	02.19.15 16:16	U	1
Trichloroethene	79-01-6	<0.000386	0.00589	0.000386	mg/kg	02.19.15 16:16	U	1
Trichlorofluoromethane	75-69-4	<0.000572	0.00589	0.000572	mg/kg	02.19.15 16:16	U	1
1,2,3-Trichloropropane	96-18-4	<0.000827	0.00589	0.000827	mg/kg	02.19.15 16:16	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.000133	0.00589	0.000133	mg/kg	02.19.15 16:16	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000469	0.00589	0.000469	mg/kg	02.19.15 16:16	U	1
Vinyl Chloride	75-01-4	<0.000975	0.00236	0.000975	mg/kg	02.19.15 16:16	U	1
o-Xylene	95-47-6	<0.000328	0.00589	0.000328	mg/kg	02.19.15 16:16	U	1
m,p-Xylenes	179601-23-1	<0.000455	0.0118	0.000455	mg/kg	02.19.15 16:16	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	100	53 - 142	%		
1,2-Dichloroethane-D4	104	56 - 150	%		
Toluene-D8	99	70 - 130	%		
4-Bromofluorobenzene	100	68 - 152	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**EB-3**	Matrix:	Soil	Sample Depth:	10 - 12 ft
Lab Sample Id:	502475-003	Date Collected:	02.11.15 11.30	Date Received:	02.16.15 14.40

Analytical Method:	Total Petroleum Hydrocarbons by Texas 1005			Prep Method:	1005
Analyst:	PKH	% Moist:	21.18	Tech:	PKH
Seq Number:	962289	Date Prep:	02.19.15 10.33		
		Prep seq:	688709		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C6-C12 Gasoline Range Hydrocarbons	PHC612	<11.4	63.1	11.4	mg/kg	02.20.15 02:17	U	1
C12-C28 Diesel Range Hydrocarbons	PHCG1028	<11.4	63.1	11.4	mg/kg	02.20.15 02:17	U	1
C28-C35 Oil Range Hydrocarbons	PHCG2835	<11.4	63.1	11.4	mg/kg	02.20.15 02:17	U	1
Total TPH 1005	PHC635	<11.4		11.4	mg/kg	02.20.15 02:17	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
o-Terphenyl	87	70 - 130	%		
1-Chlorooctane	89	70 - 130	%		

Final 1.000

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-3** Matrix: Soil Sample Depth: 10 - 12 ft

Lab Sample Id: 502475-003 Date Collected: 02.11.15 11.30 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 21.18 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.05

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000199	0.00634	0.000199	mg/kg	02.19.15 15:18	U	1
Bromobenzene	108-86-1	<0.000556	0.00634	0.000556	mg/kg	02.19.15 15:18	U	1
Bromochloromethane	74-97-5	<0.000603	0.00634	0.000603	mg/kg	02.19.15 15:18	U	1
Bromodichloromethane	75-27-4	<0.000337	0.00634	0.000337	mg/kg	02.19.15 15:18	U	1
Bromoform	75-25-2	<0.000886	0.00634	0.000886	mg/kg	02.19.15 15:18	U	1
Bromomethane	74-83-9	<0.00134	0.00634	0.00134	mg/kg	02.19.15 15:18	U	1
MTBE	1634-04-4	<0.000432	0.00634	0.000432	mg/kg	02.19.15 15:18	U	1
tert-Butylbenzene	98-06-6	<0.000262	0.00634	0.000262	mg/kg	02.19.15 15:18	U	1
Sec-Butylbenzene	135-98-8	<0.000622	0.00634	0.000622	mg/kg	02.19.15 15:18	U	1
n-Butylbenzene	104-51-8	<0.000596	0.00634	0.000596	mg/kg	02.19.15 15:18	U	1
Carbon Tetrachloride	56-23-5	<0.000296	0.00634	0.000296	mg/kg	02.19.15 15:18	U	1
Chlorobenzene	108-90-7	<0.000303	0.00634	0.000303	mg/kg	02.19.15 15:18	U	1
Chloroethane	75-00-3	<0.000696	0.0127	0.000696	mg/kg	02.19.15 15:18	U	1
Chloroform	67-66-3	<0.000371	0.00634	0.000371	mg/kg	02.19.15 15:18	U	1
Chloromethane	74-87-3	<0.000379	0.0127	0.000379	mg/kg	02.19.15 15:18	U	1
2-Chlorotoluene	95-49-8	<0.000498	0.00634	0.000498	mg/kg	02.19.15 15:18	U	1
4-Chlorotoluene	106-43-4	<0.000557	0.00634	0.000557	mg/kg	02.19.15 15:18	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000533	0.00634	0.000533	mg/kg	02.19.15 15:18	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00197	0.00634	0.00197	mg/kg	02.19.15 15:18	U	1
Dibromochloromethane	124-48-1	<0.000600	0.00634	0.000600	mg/kg	02.19.15 15:18	U	1
Dibromomethane	74-95-3	<0.000447	0.00634	0.000447	mg/kg	02.19.15 15:18	U	1
1,2-Dichlorobenzene	95-50-1	<0.000547	0.00634	0.000547	mg/kg	02.19.15 15:18	U	1
1,3-Dichlorobenzene	541-73-1	<0.000471	0.00634	0.000471	mg/kg	02.19.15 15:18	U	1
1,4-Dichlorobenzene	106-46-7	<0.000301	0.00634	0.000301	mg/kg	02.19.15 15:18	U	1
Dichlorodifluoromethane	75-71-8	<0.000540	0.00634	0.000540	mg/kg	02.19.15 15:18	U	1
1,2-Dichloroethane	107-06-2	<0.000445	0.00634	0.000445	mg/kg	02.19.15 15:18	U	1
1,1-Dichloroethane	75-34-3	<0.000255	0.00634	0.000255	mg/kg	02.19.15 15:18	U	1
1,2-Dibromoethane	106-93-4	<0.000537	0.00634	0.000537	mg/kg	02.19.15 15:18	U	1
trans-1,2-dichloroethene	156-60-5	<0.000371	0.00634	0.000371	mg/kg	02.19.15 15:18	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000432	0.00634	0.000432	mg/kg	02.19.15 15:18	U	1
1,1-Dichloroethene	75-35-4	<0.000301	0.00634	0.000301	mg/kg	02.19.15 15:18	U	1
2,2-Dichloropropane	594-20-7	<0.00150	0.00634	0.00150	mg/kg	02.19.15 15:18	U	1
1,3-Dichloropropane	142-28-9	<0.000317	0.00634	0.000317	mg/kg	02.19.15 15:18	U	1
1,2-Dichloropropane	78-87-5	<0.000599	0.00634	0.000599	mg/kg	02.19.15 15:18	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000385	0.00634	0.000385	mg/kg	02.19.15 15:18	U	1
1,1-Dichloropropene	563-58-6	<0.000537	0.00634	0.000537	mg/kg	02.19.15 15:18	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000543	0.00634	0.000543	mg/kg	02.19.15 15:18	U	1
Ethylbenzene	100-41-4	<0.000545	0.00634	0.000545	mg/kg	02.19.15 15:18	U	1
Hexachlorobutadiene	87-68-3	<0.00110	0.00634	0.00110	mg/kg	02.19.15 15:18	U	1
isopropylbenzene	98-82-8	<0.000212	0.00634	0.000212	mg/kg	02.19.15 15:18	U	1
Methylene Chloride	75-09-2	<0.000747	0.0254	0.000747	mg/kg	02.19.15 15:18	U	1
Naphthalene	91-20-3	<0.000344	0.0127	0.000344	mg/kg	02.19.15 15:18	U	1
n-Propylbenzene	103-65-1	<0.000227	0.00634	0.000227	mg/kg	02.19.15 15:18	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-3** | Matrix: Soil | Sample Depth: 10 - 12 ft

Lab Sample Id: 502475-003 | Date Collected: 02.11.15 11.30 | Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 | Prep Method: 5030B

Analyst: MCH | % Moist: 21.18 | Tech: MCH

Seq Number: 962371 | Date Prep: 02.19.15 12.05

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000190	0.00634	0.000190	mg/kg	02.19.15 15:18	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000516	0.00634	0.000516	mg/kg	02.19.15 15:18	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000582	0.00634	0.000582	mg/kg	02.19.15 15:18	U	1
Tetrachloroethylene	127-18-4	<0.000325	0.00634	0.000325	mg/kg	02.19.15 15:18	U	1
Toluene	108-88-3	<0.000586	0.00634	0.000586	mg/kg	02.19.15 15:18	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000551	0.00634	0.000551	mg/kg	02.19.15 15:18	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000308	0.00634	0.000308	mg/kg	02.19.15 15:18	U	1
1,1,2-Trichloroethane	79-00-5	<0.000413	0.00634	0.000413	mg/kg	02.19.15 15:18	U	1
1,1,1-Trichloroethane	71-55-6	<0.000430	0.00634	0.000430	mg/kg	02.19.15 15:18	U	1
Trichloroethene	79-01-6	<0.000415	0.00634	0.000415	mg/kg	02.19.15 15:18	U	1
Trichlorofluoromethane	75-69-4	<0.000616	0.00634	0.000616	mg/kg	02.19.15 15:18	U	1
1,2,3-Trichloropropane	96-18-4	<0.000890	0.00634	0.000890	mg/kg	02.19.15 15:18	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.000143	0.00634	0.000143	mg/kg	02.19.15 15:18	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000504	0.00634	0.000504	mg/kg	02.19.15 15:18	U	1
Vinyl Chloride	75-01-4	<0.00105	0.00254	0.00105	mg/kg	02.19.15 15:18	U	1
o-Xylene	95-47-6	<0.000353	0.00634	0.000353	mg/kg	02.19.15 15:18	U	1
m,p-Xylenes	179601-23-1	<0.000490	0.0127	0.000490	mg/kg	02.19.15 15:18	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	97	53 - 142	%		
1,2-Dichloroethane-D4	102	56 - 150	%		
Toluene-D8	101	70 - 130	%		
4-Bromofluorobenzene	99	68 - 152	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-4** Matrix: Soil Sample Depth: 8 - 10 ft

Lab Sample Id: 502475-004 Date Collected: 02.11.15 12.30 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 17.03 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.00

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000189	0.00603	0.000189	mg/kg	02.19.15 13:01	U	1
Bromobenzene	108-86-1	<0.000528	0.00603	0.000528	mg/kg	02.19.15 13:01	U	1
Bromochloromethane	74-97-5	<0.000573	0.00603	0.000573	mg/kg	02.19.15 13:01	U	1
Bromodichloromethane	75-27-4	<0.000320	0.00603	0.000320	mg/kg	02.19.15 13:01	U	1
Bromoform	75-25-2	<0.000842	0.00603	0.000842	mg/kg	02.19.15 13:01	U	1
Bromomethane	74-83-9	<0.00127	0.00603	0.00127	mg/kg	02.19.15 13:01	U	1
MTBE	1634-04-4	<0.000410	0.00603	0.000410	mg/kg	02.19.15 13:01	U	1
tert-Butylbenzene	98-06-6	<0.000249	0.00603	0.000249	mg/kg	02.19.15 13:01	U	1
Sec-Butylbenzene	135-98-8	<0.000591	0.00603	0.000591	mg/kg	02.19.15 13:01	U	1
n-Butylbenzene	104-51-8	<0.000566	0.00603	0.000566	mg/kg	02.19.15 13:01	U	1
Carbon Tetrachloride	56-23-5	<0.000282	0.00603	0.000282	mg/kg	02.19.15 13:01	U	1
Chlorobenzene	108-90-7	<0.000288	0.00603	0.000288	mg/kg	02.19.15 13:01	U	1
Chloroethane	75-00-3	<0.000661	0.0121	0.000661	mg/kg	02.19.15 13:01	U	1
Chloroform	67-66-3	<0.000352	0.00603	0.000352	mg/kg	02.19.15 13:01	U	1
Chloromethane	74-87-3	<0.000360	0.0121	0.000360	mg/kg	02.19.15 13:01	U	1
2-Chlorotoluene	95-49-8	<0.000473	0.00603	0.000473	mg/kg	02.19.15 13:01	U	1
4-Chlorotoluene	106-43-4	<0.000529	0.00603	0.000529	mg/kg	02.19.15 13:01	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000507	0.00603	0.000507	mg/kg	02.19.15 13:01	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00187	0.00603	0.00187	mg/kg	02.19.15 13:01	U	1
Dibromochloromethane	124-48-1	<0.000570	0.00603	0.000570	mg/kg	02.19.15 13:01	U	1
Dibromomethane	74-95-3	<0.000425	0.00603	0.000425	mg/kg	02.19.15 13:01	U	1
1,2-Dichlorobenzene	95-50-1	<0.000519	0.00603	0.000519	mg/kg	02.19.15 13:01	U	1
1,3-Dichlorobenzene	541-73-1	<0.000448	0.00603	0.000448	mg/kg	02.19.15 13:01	U	1
1,4-Dichlorobenzene	106-46-7	<0.000286	0.00603	0.000286	mg/kg	02.19.15 13:01	U	1
Dichlorodifluoromethane	75-71-8	<0.000513	0.00603	0.000513	mg/kg	02.19.15 13:01	U	1
1,2-Dichloroethane	107-06-2	<0.000423	0.00603	0.000423	mg/kg	02.19.15 13:01	U	1
1,1-Dichloroethane	75-34-3	<0.000242	0.00603	0.000242	mg/kg	02.19.15 13:01	U	1
1,2-Dibromoethane	106-93-4	<0.000510	0.00603	0.000510	mg/kg	02.19.15 13:01	U	1
trans-1,2-dichloroethene	156-60-5	<0.000352	0.00603	0.000352	mg/kg	02.19.15 13:01	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000410	0.00603	0.000410	mg/kg	02.19.15 13:01	U	1
1,1-Dichloroethene	75-35-4	<0.000286	0.00603	0.000286	mg/kg	02.19.15 13:01	U	1
2,2-Dichloropropane	594-20-7	<0.00143	0.00603	0.00143	mg/kg	02.19.15 13:01	U	1
1,3-Dichloropropane	142-28-9	<0.000301	0.00603	0.000301	mg/kg	02.19.15 13:01	U	1
1,2-Dichloropropane	78-87-5	<0.000569	0.00603	0.000569	mg/kg	02.19.15 13:01	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000366	0.00603	0.000366	mg/kg	02.19.15 13:01	U	1
1,1-Dichloropropene	563-58-6	<0.000510	0.00603	0.000510	mg/kg	02.19.15 13:01	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000515	0.00603	0.000515	mg/kg	02.19.15 13:01	U	1
Ethylbenzene	100-41-4	<0.000518	0.00603	0.000518	mg/kg	02.19.15 13:01	U	1
Hexachlorobutadiene	87-68-3	<0.00104	0.00603	0.00104	mg/kg	02.19.15 13:01	U	1
isopropylbenzene	98-82-8	<0.000202	0.00603	0.000202	mg/kg	02.19.15 13:01	U	1
Methylene Chloride	75-09-2	<0.000709	0.0241	0.000709	mg/kg	02.19.15 13:01	U	1
Naphthalene	91-20-3	<0.000327	0.0121	0.000327	mg/kg	02.19.15 13:01	U	1
n-Propylbenzene	103-65-1	<0.000216	0.00603	0.000216	mg/kg	02.19.15 13:01	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-4** Matrix: Soil Sample Depth: 8 - 10 ft

Lab Sample Id: 502475-004 Date Collected: 02.11.15 12.30 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 17.03 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.00

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000181	0.00603	0.000181	mg/kg	02.19.15 13:01	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000490	0.00603	0.000490	mg/kg	02.19.15 13:01	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000553	0.00603	0.000553	mg/kg	02.19.15 13:01	U	1
Tetrachloroethylene	127-18-4	<0.000308	0.00603	0.000308	mg/kg	02.19.15 13:01	U	1
Toluene	108-88-3	<0.000557	0.00603	0.000557	mg/kg	02.19.15 13:01	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000523	0.00603	0.000523	mg/kg	02.19.15 13:01	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000292	0.00603	0.000292	mg/kg	02.19.15 13:01	U	1
1,1,2-Trichloroethane	79-00-5	<0.000392	0.00603	0.000392	mg/kg	02.19.15 13:01	U	1
1,1,1-Trichloroethane	71-55-6	<0.000408	0.00603	0.000408	mg/kg	02.19.15 13:01	U	1
Trichloroethene	79-01-6	<0.000394	0.00603	0.000394	mg/kg	02.19.15 13:01	U	1
Trichlorofluoromethane	75-69-4	<0.000585	0.00603	0.000585	mg/kg	02.19.15 13:01	U	1
1,2,3-Trichloropropane	96-18-4	<0.000845	0.00603	0.000845	mg/kg	02.19.15 13:01	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.000136	0.00603	0.000136	mg/kg	02.19.15 13:01	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000479	0.00603	0.000479	mg/kg	02.19.15 13:01	U	1
Vinyl Chloride	75-01-4	<0.000997	0.00241	0.000997	mg/kg	02.19.15 13:01	U	1
o-Xylene	95-47-6	<0.000336	0.00603	0.000336	mg/kg	02.19.15 13:01	U	1
m,p-Xylenes	179601-23-1	<0.000465	0.0121	0.000465	mg/kg	02.19.15 13:01	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	99	53 - 142	%		
1,2-Dichloroethane-D4	100	56 - 150	%		
Toluene-D8	99	70 - 130	%		
4-Bromofluorobenzene	97	68 - 152	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-5** Matrix: Soil Sample Depth: 14 - 15 ft

Lab Sample Id: 502475-005 Date Collected: 02.11.15 13.45 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 20.95 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.06

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000198	0.00630	0.000198	mg/kg	02.19.15 15:49	U	1
Bromobenzene	108-86-1	<0.000552	0.00630	0.000552	mg/kg	02.19.15 15:49	U	1
Bromochloromethane	74-97-5	<0.000599	0.00630	0.000599	mg/kg	02.19.15 15:49	U	1
Bromodichloromethane	75-27-4	<0.000334	0.00630	0.000334	mg/kg	02.19.15 15:49	U	1
Bromoform	75-25-2	<0.000880	0.00630	0.000880	mg/kg	02.19.15 15:49	U	1
Bromomethane	74-83-9	<0.00133	0.00630	0.00133	mg/kg	02.19.15 15:49	U	1
MTBE	1634-04-4	<0.000429	0.00630	0.000429	mg/kg	02.19.15 15:49	U	1
tert-Butylbenzene	98-06-6	<0.000260	0.00630	0.000260	mg/kg	02.19.15 15:49	U	1
Sec-Butylbenzene	135-98-8	<0.000618	0.00630	0.000618	mg/kg	02.19.15 15:49	U	1
n-Butylbenzene	104-51-8	<0.000592	0.00630	0.000592	mg/kg	02.19.15 15:49	U	1
Carbon Tetrachloride	56-23-5	<0.000294	0.00630	0.000294	mg/kg	02.19.15 15:49	U	1
Chlorobenzene	108-90-7	<0.000301	0.00630	0.000301	mg/kg	02.19.15 15:49	U	1
Chloroethane	75-00-3	<0.000691	0.0126	0.000691	mg/kg	02.19.15 15:49	U	1
Chloroform	67-66-3	<0.000368	0.00630	0.000368	mg/kg	02.19.15 15:49	U	1
Chloromethane	74-87-3	<0.000376	0.0126	0.000376	mg/kg	02.19.15 15:49	U	1
2-Chlorotoluene	95-49-8	<0.000494	0.00630	0.000494	mg/kg	02.19.15 15:49	U	1
4-Chlorotoluene	106-43-4	<0.000553	0.00630	0.000553	mg/kg	02.19.15 15:49	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000530	0.00630	0.000530	mg/kg	02.19.15 15:49	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00195	0.00630	0.00195	mg/kg	02.19.15 15:49	U	1
Dibromochloromethane	124-48-1	<0.000596	0.00630	0.000596	mg/kg	02.19.15 15:49	U	1
Dibromomethane	74-95-3	<0.000444	0.00630	0.000444	mg/kg	02.19.15 15:49	U	1
1,2-Dichlorobenzene	95-50-1	<0.000543	0.00630	0.000543	mg/kg	02.19.15 15:49	U	1
1,3-Dichlorobenzene	541-73-1	<0.000468	0.00630	0.000468	mg/kg	02.19.15 15:49	U	1
1,4-Dichlorobenzene	106-46-7	<0.000299	0.00630	0.000299	mg/kg	02.19.15 15:49	U	1
Dichlorodifluoromethane	75-71-8	<0.000536	0.00630	0.000536	mg/kg	02.19.15 15:49	U	1
1,2-Dichloroethane	107-06-2	<0.000442	0.00630	0.000442	mg/kg	02.19.15 15:49	U	1
1,1-Dichloroethane	75-34-3	<0.000253	0.00630	0.000253	mg/kg	02.19.15 15:49	U	1
trans-1,2-dichloroethene	156-60-5	<0.000368	0.00630	0.000368	mg/kg	02.19.15 15:49	U	1
1,2-Dibromoethane	106-93-4	<0.000533	0.00630	0.000533	mg/kg	02.19.15 15:49	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000429	0.00630	0.000429	mg/kg	02.19.15 15:49	U	1
1,1-Dichloroethene	75-35-4	<0.000299	0.00630	0.000299	mg/kg	02.19.15 15:49	U	1
2,2-Dichloropropane	594-20-7	<0.00149	0.00630	0.00149	mg/kg	02.19.15 15:49	U	1
1,3-Dichloropropane	142-28-9	<0.000315	0.00630	0.000315	mg/kg	02.19.15 15:49	U	1
1,2-Dichloropropane	78-87-5	<0.000595	0.00630	0.000595	mg/kg	02.19.15 15:49	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000382	0.00630	0.000382	mg/kg	02.19.15 15:49	U	1
1,1-Dichloropropene	563-58-6	<0.000533	0.00630	0.000533	mg/kg	02.19.15 15:49	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000539	0.00630	0.000539	mg/kg	02.19.15 15:49	U	1
Ethylbenzene	100-41-4	<0.000541	0.00630	0.000541	mg/kg	02.19.15 15:49	U	1
Hexachlorobutadiene	87-68-3	<0.00109	0.00630	0.00109	mg/kg	02.19.15 15:49	U	1
isopropylbenzene	98-82-8	<0.000211	0.00630	0.000211	mg/kg	02.19.15 15:49	U	1
Methylene Chloride	75-09-2	<0.000741	0.0252	0.000741	mg/kg	02.19.15 15:49	U	1
Naphthalene	91-20-3	<0.000342	0.0126	0.000342	mg/kg	02.19.15 15:49	U	1
n-Propylbenzene	103-65-1	<0.000226	0.00630	0.000226	mg/kg	02.19.15 15:49	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-5** | Matrix: Soil | Sample Depth: 14 - 15 ft

Lab Sample Id: 502475-005 | Date Collected: 02.11.15 13.45 | Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 | Prep Method: 5030B

Analyst: MCH | % Moist: 20.95 | Tech: MCH

Seq Number: 962371 | Date Prep: 02.19.15 12.06

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000189	0.00630	0.000189	mg/kg	02.19.15 15:49	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000513	0.00630	0.000513	mg/kg	02.19.15 15:49	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000578	0.00630	0.000578	mg/kg	02.19.15 15:49	U	1
Tetrachloroethylene	127-18-4	<0.000322	0.00630	0.000322	mg/kg	02.19.15 15:49	U	1
Toluene	108-88-3	<0.000582	0.00630	0.000582	mg/kg	02.19.15 15:49	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000547	0.00630	0.000547	mg/kg	02.19.15 15:49	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000306	0.00630	0.000306	mg/kg	02.19.15 15:49	U	1
1,1,2-Trichloroethane	79-00-5	<0.000410	0.00630	0.000410	mg/kg	02.19.15 15:49	U	1
1,1,1-Trichloroethane	71-55-6	<0.000427	0.00630	0.000427	mg/kg	02.19.15 15:49	U	1
Trichloroethene	79-01-6	<0.000412	0.00630	0.000412	mg/kg	02.19.15 15:49	U	1
Trichlorofluoromethane	75-69-4	<0.000612	0.00630	0.000612	mg/kg	02.19.15 15:49	U	1
1,2,3-Trichloropropane	96-18-4	<0.000884	0.00630	0.000884	mg/kg	02.19.15 15:49	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.000142	0.00630	0.000142	mg/kg	02.19.15 15:49	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000501	0.00630	0.000501	mg/kg	02.19.15 15:49	U	1
Vinyl Chloride	75-01-4	<0.00104	0.00252	0.00104	mg/kg	02.19.15 15:49	U	1
o-Xylene	95-47-6	<0.000351	0.00630	0.000351	mg/kg	02.19.15 15:49	U	1
m,p-Xylenes	179601-23-1	<0.000487	0.0126	0.000487	mg/kg	02.19.15 15:49	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	102	53 - 142	%		
1,2-Dichloroethane-D4	102	56 - 150	%		
Toluene-D8	100	70 - 130	%		
4-Bromofluorobenzene	96	68 - 152	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-6** Matrix: Soil Sample Depth: 6 - 8 ft

Lab Sample Id: 502475-006 Date Collected: 02.11.15 14.45 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 16.87 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.08

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000189	0.00603	0.000189	mg/kg	02.19.15 16:42	U	1
Bromobenzene	108-86-1	<0.000528	0.00603	0.000528	mg/kg	02.19.15 16:42	U	1
Bromochloromethane	74-97-5	<0.000573	0.00603	0.000573	mg/kg	02.19.15 16:42	U	1
Bromodichloromethane	75-27-4	<0.000320	0.00603	0.000320	mg/kg	02.19.15 16:42	U	1
Bromoform	75-25-2	<0.000842	0.00603	0.000842	mg/kg	02.19.15 16:42	U	1
Bromomethane	74-83-9	<0.00127	0.00603	0.00127	mg/kg	02.19.15 16:42	U	1
MTBE	1634-04-4	<0.000410	0.00603	0.000410	mg/kg	02.19.15 16:42	U	1
tert-Butylbenzene	98-06-6	<0.000249	0.00603	0.000249	mg/kg	02.19.15 16:42	U	1
Sec-Butylbenzene	135-98-8	<0.000591	0.00603	0.000591	mg/kg	02.19.15 16:42	U	1
n-Butylbenzene	104-51-8	<0.000566	0.00603	0.000566	mg/kg	02.19.15 16:42	U	1
Carbon Tetrachloride	56-23-5	<0.000282	0.00603	0.000282	mg/kg	02.19.15 16:42	U	1
Chlorobenzene	108-90-7	<0.000288	0.00603	0.000288	mg/kg	02.19.15 16:42	U	1
Chloroethane	75-00-3	<0.000661	0.0121	0.000661	mg/kg	02.19.15 16:42	U	1
Chloroform	67-66-3	<0.000352	0.00603	0.000352	mg/kg	02.19.15 16:42	U	1
Chloromethane	74-87-3	<0.000360	0.0121	0.000360	mg/kg	02.19.15 16:42	U	1
2-Chlorotoluene	95-49-8	<0.000473	0.00603	0.000473	mg/kg	02.19.15 16:42	U	1
4-Chlorotoluene	106-43-4	<0.000529	0.00603	0.000529	mg/kg	02.19.15 16:42	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000507	0.00603	0.000507	mg/kg	02.19.15 16:42	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00187	0.00603	0.00187	mg/kg	02.19.15 16:42	U	1
Dibromochloromethane	124-48-1	<0.000570	0.00603	0.000570	mg/kg	02.19.15 16:42	U	1
Dibromomethane	74-95-3	<0.000425	0.00603	0.000425	mg/kg	02.19.15 16:42	U	1
1,2-Dichlorobenzene	95-50-1	<0.000519	0.00603	0.000519	mg/kg	02.19.15 16:42	U	1
1,3-Dichlorobenzene	541-73-1	<0.000448	0.00603	0.000448	mg/kg	02.19.15 16:42	U	1
1,4-Dichlorobenzene	106-46-7	<0.000286	0.00603	0.000286	mg/kg	02.19.15 16:42	U	1
Dichlorodifluoromethane	75-71-8	<0.000513	0.00603	0.000513	mg/kg	02.19.15 16:42	U	1
1,2-Dichloroethane	107-06-2	<0.000423	0.00603	0.000423	mg/kg	02.19.15 16:42	U	1
1,1-Dichloroethane	75-34-3	<0.000242	0.00603	0.000242	mg/kg	02.19.15 16:42	U	1
1,2-Dibromoethane	106-93-4	<0.000510	0.00603	0.000510	mg/kg	02.19.15 16:42	U	1
trans-1,2-dichloroethene	156-60-5	<0.000352	0.00603	0.000352	mg/kg	02.19.15 16:42	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000410	0.00603	0.000410	mg/kg	02.19.15 16:42	U	1
1,1-Dichloroethene	75-35-4	<0.000286	0.00603	0.000286	mg/kg	02.19.15 16:42	U	1
2,2-Dichloropropane	594-20-7	<0.00143	0.00603	0.00143	mg/kg	02.19.15 16:42	U	1
1,3-Dichloropropane	142-28-9	<0.000301	0.00603	0.000301	mg/kg	02.19.15 16:42	U	1
1,2-Dichloropropane	78-87-5	<0.000570	0.00603	0.000570	mg/kg	02.19.15 16:42	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000366	0.00603	0.000366	mg/kg	02.19.15 16:42	U	1
1,1-Dichloropropene	563-58-6	<0.000510	0.00603	0.000510	mg/kg	02.19.15 16:42	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000515	0.00603	0.000515	mg/kg	02.19.15 16:42	U	1
Ethylbenzene	100-41-4	<0.000518	0.00603	0.000518	mg/kg	02.19.15 16:42	U	1
Hexachlorobutadiene	87-68-3	<0.00104	0.00603	0.00104	mg/kg	02.19.15 16:42	U	1
isopropylbenzene	98-82-8	<0.000202	0.00603	0.000202	mg/kg	02.19.15 16:42	U	1
Methylene Chloride	75-09-2	<0.000709	0.0241	0.000709	mg/kg	02.19.15 16:42	U	1
Naphthalene	91-20-3	<0.000327	0.0121	0.000327	mg/kg	02.19.15 16:42	U	1
n-Propylbenzene	103-65-1	<0.000216	0.00603	0.000216	mg/kg	02.19.15 16:42	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-6** Matrix: Soil Sample Depth: 6 - 8 ft

Lab Sample Id: 502475-006 Date Collected: 02.11.15 14.45 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 16.87 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.08

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000181	0.00603	0.000181	mg/kg	02.19.15 16:42	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000490	0.00603	0.000490	mg/kg	02.19.15 16:42	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000553	0.00603	0.000553	mg/kg	02.19.15 16:42	U	1
Tetrachloroethylene	127-18-4	<0.000308	0.00603	0.000308	mg/kg	02.19.15 16:42	U	1
Toluene	108-88-3	<0.000557	0.00603	0.000557	mg/kg	02.19.15 16:42	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000523	0.00603	0.000523	mg/kg	02.19.15 16:42	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000293	0.00603	0.000293	mg/kg	02.19.15 16:42	U	1
1,1,2-Trichloroethane	79-00-5	<0.000392	0.00603	0.000392	mg/kg	02.19.15 16:42	U	1
1,1,1-Trichloroethane	71-55-6	<0.000408	0.00603	0.000408	mg/kg	02.19.15 16:42	U	1
Trichloroethene	79-01-6	<0.000394	0.00603	0.000394	mg/kg	02.19.15 16:42	U	1
Trichlorofluoromethane	75-69-4	<0.000585	0.00603	0.000585	mg/kg	02.19.15 16:42	U	1
1,2,3-Trichloropropane	96-18-4	<0.000846	0.00603	0.000846	mg/kg	02.19.15 16:42	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.000136	0.00603	0.000136	mg/kg	02.19.15 16:42	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000479	0.00603	0.000479	mg/kg	02.19.15 16:42	U	1
Vinyl Chloride	75-01-4	<0.000997	0.00241	0.000997	mg/kg	02.19.15 16:42	U	1
o-Xylene	95-47-6	<0.000336	0.00603	0.000336	mg/kg	02.19.15 16:42	U	1
m,p-Xylenes	179601-23-1	<0.000465	0.0121	0.000465	mg/kg	02.19.15 16:42	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	100	53 - 142	%		
1,2-Dichloroethane-D4	105	56 - 150	%		
Toluene-D8	98	70 - 130	%		
4-Bromofluorobenzene	103	68 - 152	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**EB-7**	Matrix:	Soil	Sample Depth:	8 - 10 ft
Lab Sample Id:	502475-007	Date Collected:	02.12.15 09.30	Date Received:	02.16.15 14.40

Analytical Method:	Total Petroleum Hydrocarbons by Texas 1005			Prep Method:	1005
Analyst:	PKH	% Moist:	16.81	Tech:	PKH
Seq Number:	962289	Date Prep:	02.19.15 10.36		
		Prep seq:	688709		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C6-C12 Gasoline Range Hydrocarbons	PHC612	<10.8	59.9	10.8	mg/kg	02.20.15 13:29	U	1
C12-C28 Diesel Range Hydrocarbons	PHCG1028	<10.8	59.9	10.8	mg/kg	02.20.15 13:29	U	1
C28-C35 Oil Range Hydrocarbons	PHCG2835	<10.8	59.9	10.8	mg/kg	02.20.15 13:29	U	1
Total TPH 1005	PHC635	<10.8		10.8	mg/kg	02.20.15 13:29	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
o-Terphenyl	97	70 - 130	%		
1-Chlorooctane	96	70 - 130	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-7** Matrix: Soil Sample Depth: 8 - 10 ft

Lab Sample Id: 502475-007 Date Collected: 02.12.15 09.30 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 16.81 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.09

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000189	0.00602	0.000189	mg/kg	02.19.15 17:08	U	1
Bromobenzene	108-86-1	<0.000528	0.00602	0.000528	mg/kg	02.19.15 17:08	U	1
Bromochloromethane	74-97-5	<0.000572	0.00602	0.000572	mg/kg	02.19.15 17:08	U	1
Bromodichloromethane	75-27-4	<0.000320	0.00602	0.000320	mg/kg	02.19.15 17:08	U	1
Bromoform	75-25-2	<0.000841	0.00602	0.000841	mg/kg	02.19.15 17:08	U	1
Bromomethane	74-83-9	<0.00127	0.00602	0.00127	mg/kg	02.19.15 17:08	U	1
MTBE	1634-04-4	<0.000410	0.00602	0.000410	mg/kg	02.19.15 17:08	U	1
tert-Butylbenzene	98-06-6	<0.000249	0.00602	0.000249	mg/kg	02.19.15 17:08	U	1
Sec-Butylbenzene	135-98-8	<0.000590	0.00602	0.000590	mg/kg	02.19.15 17:08	U	1
n-Butylbenzene	104-51-8	<0.000566	0.00602	0.000566	mg/kg	02.19.15 17:08	U	1
Carbon Tetrachloride	56-23-5	<0.000281	0.00602	0.000281	mg/kg	02.19.15 17:08	U	1
Chlorobenzene	108-90-7	<0.000288	0.00602	0.000288	mg/kg	02.19.15 17:08	U	1
Chloroethane	75-00-3	<0.000661	0.0120	0.000661	mg/kg	02.19.15 17:08	U	1
Chloroform	67-66-3	<0.000352	0.00602	0.000352	mg/kg	02.19.15 17:08	U	1
Chloromethane	74-87-3	<0.000360	0.0120	0.000360	mg/kg	02.19.15 17:08	U	1
2-Chlorotoluene	95-49-8	<0.000473	0.00602	0.000473	mg/kg	02.19.15 17:08	U	1
4-Chlorotoluene	106-43-4	<0.000529	0.00602	0.000529	mg/kg	02.19.15 17:08	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000506	0.00602	0.000506	mg/kg	02.19.15 17:08	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00187	0.00602	0.00187	mg/kg	02.19.15 17:08	U	1
Dibromochloromethane	124-48-1	<0.000569	0.00602	0.000569	mg/kg	02.19.15 17:08	U	1
Dibromomethane	74-95-3	<0.000424	0.00602	0.000424	mg/kg	02.19.15 17:08	U	1
1,2-Dichlorobenzene	95-50-1	<0.000519	0.00602	0.000519	mg/kg	02.19.15 17:08	U	1
1,3-Dichlorobenzene	541-73-1	<0.000447	0.00602	0.000447	mg/kg	02.19.15 17:08	U	1
1,4-Dichlorobenzene	106-46-7	<0.000286	0.00602	0.000286	mg/kg	02.19.15 17:08	U	1
Dichlorodifluoromethane	75-71-8	<0.000513	0.00602	0.000513	mg/kg	02.19.15 17:08	U	1
1,2-Dichloroethane	107-06-2	<0.000423	0.00602	0.000423	mg/kg	02.19.15 17:08	U	1
1,1-Dichloroethane	75-34-3	<0.000242	0.00602	0.000242	mg/kg	02.19.15 17:08	U	1
trans-1,2-dichloroethene	156-60-5	<0.000352	0.00602	0.000352	mg/kg	02.19.15 17:08	U	1
1,2-Dibromoethane	106-93-4	<0.000510	0.00602	0.000510	mg/kg	02.19.15 17:08	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000410	0.00602	0.000410	mg/kg	02.19.15 17:08	U	1
1,1-Dichloroethene	75-35-4	<0.000286	0.00602	0.000286	mg/kg	02.19.15 17:08	U	1
2,2-Dichloropropane	594-20-7	<0.00143	0.00602	0.00143	mg/kg	02.19.15 17:08	U	1
1,3-Dichloropropane	142-28-9	<0.000301	0.00602	0.000301	mg/kg	02.19.15 17:08	U	1
1,2-Dichloropropane	78-87-5	<0.000569	0.00602	0.000569	mg/kg	02.19.15 17:08	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000366	0.00602	0.000366	mg/kg	02.19.15 17:08	U	1
1,1-Dichloropropene	563-58-6	<0.000510	0.00602	0.000510	mg/kg	02.19.15 17:08	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000515	0.00602	0.000515	mg/kg	02.19.15 17:08	U	1
Ethylbenzene	100-41-4	<0.000518	0.00602	0.000518	mg/kg	02.19.15 17:08	U	1
Hexachlorobutadiene	87-68-3	<0.00104	0.00602	0.00104	mg/kg	02.19.15 17:08	U	1
isopropylbenzene	98-82-8	<0.000202	0.00602	0.000202	mg/kg	02.19.15 17:08	U	1
Methylene Chloride	75-09-2	<0.000709	0.0241	0.000709	mg/kg	02.19.15 17:08	U	1
Naphthalene	91-20-3	<0.000327	0.0120	0.000327	mg/kg	02.19.15 17:08	U	1
n-Propylbenzene	103-65-1	<0.000216	0.00602	0.000216	mg/kg	02.19.15 17:08	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-7** | Matrix: Soil | Sample Depth: 8 - 10 ft

Lab Sample Id: 502475-007 | Date Collected: 02.12.15 09.30 | Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 | Prep Method: 5030B

Analyst: MCH | % Moist: 16.81 | Tech: MCH

Seq Number: 962371 | Date Prep: 02.19.15 12.09

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000181	0.00602	0.000181	mg/kg	02.19.15 17:08	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000490	0.00602	0.000490	mg/kg	02.19.15 17:08	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000552	0.00602	0.000552	mg/kg	02.19.15 17:08	U	1
Tetrachloroethylene	127-18-4	<0.000308	0.00602	0.000308	mg/kg	02.19.15 17:08	U	1
Toluene	108-88-3	<0.000556	0.00602	0.000556	mg/kg	02.19.15 17:08	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000523	0.00602	0.000523	mg/kg	02.19.15 17:08	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000292	0.00602	0.000292	mg/kg	02.19.15 17:08	U	1
1,1,2-Trichloroethane	79-00-5	<0.000392	0.00602	0.000392	mg/kg	02.19.15 17:08	U	1
1,1,1-Trichloroethane	71-55-6	<0.000408	0.00602	0.000408	mg/kg	02.19.15 17:08	U	1
Trichloroethene	79-01-6	<0.000394	0.00602	0.000394	mg/kg	02.19.15 17:08	U	1
Trichlorofluoromethane	75-69-4	<0.000585	0.00602	0.000585	mg/kg	02.19.15 17:08	U	1
1,2,3-Trichloropropane	96-18-4	<0.000845	0.00602	0.000845	mg/kg	02.19.15 17:08	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.000136	0.00602	0.000136	mg/kg	02.19.15 17:08	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000479	0.00602	0.000479	mg/kg	02.19.15 17:08	U	1
Vinyl Chloride	75-01-4	<0.000996	0.00241	0.000996	mg/kg	02.19.15 17:08	U	1
o-Xylene	95-47-6	<0.000336	0.00602	0.000336	mg/kg	02.19.15 17:08	U	1
m,p-Xylenes	179601-23-1	<0.000465	0.0120	0.000465	mg/kg	02.19.15 17:08	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	104	53 - 142	%		
1,2-Dichloroethane-D4	105	56 - 150	%		
Toluene-D8	99	70 - 130	%		
4-Bromofluorobenzene	96	68 - 152	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-8** Matrix: Soil Sample Depth: 4 - 6 ft

Lab Sample Id: 502475-008 Date Collected: 02.12.15 10.45 Date Received: 02.16.15 14.40

Analytical Method: Total Petroleum Hydrocarbons by Texas 1005 Prep Method: 1005

Analyst: PKH % Moist: 18.66 Tech: PKH

Seq Number: 962289 Date Prep: 02.19.15 10.39

Prep seq: 688709

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C6-C12 Gasoline Range Hydrocarbons	PHC612	<11.1	61.4	11.1	mg/kg	02.20.15 13:48	U	1
C12-C28 Diesel Range Hydrocarbons	PHCG1028	<11.1	61.4	11.1	mg/kg	02.20.15 13:48	U	1
C28-C35 Oil Range Hydrocarbons	PHCG2835	<11.1	61.4	11.1	mg/kg	02.20.15 13:48	U	1
Total TPH 1005	PHC635	<11.1		11.1	mg/kg	02.20.15 13:48	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
o-Terphenyl	91	70 - 130	%		
1-Chlorooctane	98	70 - 130	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**EB-9**	Matrix:	Soil	Sample Depth:	8 - 10 ft
Lab Sample Id:	502475-009	Date Collected:	02.12.15 11.50	Date Received:	02.16.15 14.40

Analytical Method:	Total Petroleum Hydrocarbons by Texas 1005			Prep Method:	1005
Analyst:	PKH	% Moist:	26.57	Tech:	PKH
Seq Number:	962289	Date Prep:	02.18.15 13.18		
		Prep seq:	688709		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C6-C12 Gasoline Range Hydrocarbons	PHC612	<12.2	67.8	12.2	mg/kg	02.18.15 20:36	U	1
C12-C28 Diesel Range Hydrocarbons	PHCG1028	<12.2	67.8	12.2	mg/kg	02.18.15 20:36	U	1
C28-C35 Oil Range Hydrocarbons	PHCG2835	<12.2	67.8	12.2	mg/kg	02.18.15 20:36	U	1
Total TPH 1005	PHC635	<12.2		12.2	mg/kg	02.18.15 20:36	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
o-Terphenyl	76	70 - 130	%		
1-Chlorooctane	70	70 - 130	%		

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Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-9** | Matrix: Soil | Sample Depth: 8 - 10 ft

Lab Sample Id: 502475-009 | Date Collected: 02.12.15 11.50 | Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 | Prep Method: 5030B

Analyst: MCH | % Moist: 26.57 | Tech: MCH

Seq Number: 962371 | Date Prep: 02.19.15 12.10

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000213	0.00680	0.000213	mg/kg	02.19.15 17:34	U	1
Bromobenzene	108-86-1	<0.000595	0.00680	0.000595	mg/kg	02.19.15 17:34	U	1
Bromochloromethane	74-97-5	<0.000646	0.00680	0.000646	mg/kg	02.19.15 17:34	U	1
Bromodichloromethane	75-27-4	<0.000361	0.00680	0.000361	mg/kg	02.19.15 17:34	U	1
Bromoform	75-25-2	<0.000949	0.00680	0.000949	mg/kg	02.19.15 17:34	U	1
Bromomethane	74-83-9	<0.00144	0.00680	0.00144	mg/kg	02.19.15 17:34	U	1
MTBE	1634-04-4	<0.000462	0.00680	0.000462	mg/kg	02.19.15 17:34	U	1
tert-Butylbenzene	98-06-6	<0.000281	0.00680	0.000281	mg/kg	02.19.15 17:34	U	1
Sec-Butylbenzene	135-98-8	<0.000666	0.00680	0.000666	mg/kg	02.19.15 17:34	U	1
n-Butylbenzene	104-51-8	<0.000638	0.00680	0.000638	mg/kg	02.19.15 17:34	U	1
Carbon Tetrachloride	56-23-5	<0.000317	0.00680	0.000317	mg/kg	02.19.15 17:34	U	1
Chlorobenzene	108-90-7	<0.000325	0.00680	0.000325	mg/kg	02.19.15 17:34	U	1
Chloroethane	75-00-3	<0.000746	0.0136	0.000746	mg/kg	02.19.15 17:34	U	1
Chloroform	67-66-3	<0.000397	0.00680	0.000397	mg/kg	02.19.15 17:34	U	1
Chloromethane	74-87-3	<0.000406	0.0136	0.000406	mg/kg	02.19.15 17:34	U	1
2-Chlorotoluene	95-49-8	<0.000533	0.00680	0.000533	mg/kg	02.19.15 17:34	U	1
4-Chlorotoluene	106-43-4	<0.000597	0.00680	0.000597	mg/kg	02.19.15 17:34	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000571	0.00680	0.000571	mg/kg	02.19.15 17:34	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00211	0.00680	0.00211	mg/kg	02.19.15 17:34	U	1
Dibromochloromethane	124-48-1	<0.000643	0.00680	0.000643	mg/kg	02.19.15 17:34	U	1
Dibromomethane	74-95-3	<0.000479	0.00680	0.000479	mg/kg	02.19.15 17:34	U	1
1,2-Dichlorobenzene	95-50-1	<0.000586	0.00680	0.000586	mg/kg	02.19.15 17:34	U	1
1,3-Dichlorobenzene	541-73-1	<0.000505	0.00680	0.000505	mg/kg	02.19.15 17:34	U	1
1,4-Dichlorobenzene	106-46-7	<0.000323	0.00680	0.000323	mg/kg	02.19.15 17:34	U	1
Dichlorodifluoromethane	75-71-8	<0.000578	0.00680	0.000578	mg/kg	02.19.15 17:34	U	1
1,2-Dichloroethane	107-06-2	<0.000477	0.00680	0.000477	mg/kg	02.19.15 17:34	U	1
1,1-Dichloroethane	75-34-3	<0.000273	0.00680	0.000273	mg/kg	02.19.15 17:34	U	1
trans-1,2-dichloroethene	156-60-5	<0.000397	0.00680	0.000397	mg/kg	02.19.15 17:34	U	1
1,2-Dibromoethane	106-93-4	<0.000575	0.00680	0.000575	mg/kg	02.19.15 17:34	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000462	0.00680	0.000462	mg/kg	02.19.15 17:34	U	1
1,1-Dichloroethene	75-35-4	<0.000322	0.00680	0.000322	mg/kg	02.19.15 17:34	U	1
2,2-Dichloropropane	594-20-7	<0.00161	0.00680	0.00161	mg/kg	02.19.15 17:34	U	1
1,3-Dichloropropane	142-28-9	<0.000340	0.00680	0.000340	mg/kg	02.19.15 17:34	U	1
1,2-Dichloropropane	78-87-5	<0.000642	0.00680	0.000642	mg/kg	02.19.15 17:34	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000412	0.00680	0.000412	mg/kg	02.19.15 17:34	U	1
1,1-Dichloropropene	563-58-6	<0.000575	0.00680	0.000575	mg/kg	02.19.15 17:34	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000581	0.00680	0.000581	mg/kg	02.19.15 17:34	U	1
Ethylbenzene	100-41-4	<0.000584	0.00680	0.000584	mg/kg	02.19.15 17:34	U	1
Hexachlorobutadiene	87-68-3	<0.00117	0.00680	0.00117	mg/kg	02.19.15 17:34	U	1
isopropylbenzene	98-82-8	<0.000227	0.00680	0.000227	mg/kg	02.19.15 17:34	U	1
Methylene Chloride	75-09-2	<0.000800	0.0272	0.000800	mg/kg	02.19.15 17:34	U	1
Naphthalene	91-20-3	<0.000369	0.0136	0.000369	mg/kg	02.19.15 17:34	U	1
n-Propylbenzene	103-65-1	<0.000243	0.00680	0.000243	mg/kg	02.19.15 17:34	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**EB-9**	Matrix:	Soil	Sample Depth:	8 - 10 ft
Lab Sample Id:	502475-009	Date Collected:	02.12.15 11.50	Date Received:	02.16.15 14.40
Analytical Method:	VOAs by SW-846 8260			Prep Method:	5030B
Analyst:	MCH	% Moist:	26.57	Tech:	MCH
Seq Number:	962371	Date Prep:	02.19.15 12.10		
		Prep seq:	688859		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000204	0.00680	0.000204	mg/kg	02.19.15 17:34	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000553	0.00680	0.000553	mg/kg	02.19.15 17:34	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000623	0.00680	0.000623	mg/kg	02.19.15 17:34	U	1
Tetrachloroethylene	127-18-4	<0.000348	0.00680	0.000348	mg/kg	02.19.15 17:34	U	1
Toluene	108-88-3	**0.000761**	0.00680	0.000628	mg/kg	02.19.15 17:34	J	1
1,2,4-Trichlorobenzene	120-82-1	<0.000590	0.00680	0.000590	mg/kg	02.19.15 17:34	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000330	0.00680	0.000330	mg/kg	02.19.15 17:34	U	1
1,1,2-Trichloroethane	79-00-5	<0.000443	0.00680	0.000443	mg/kg	02.19.15 17:34	U	1
1,1,1-Trichloroethane	71-55-6	<0.000460	0.00680	0.000460	mg/kg	02.19.15 17:34	U	1
Trichloroethene	79-01-6	<0.000444	0.00680	0.000444	mg/kg	02.19.15 17:34	U	1
Trichlorofluoromethane	75-69-4	<0.000660	0.00680	0.000660	mg/kg	02.19.15 17:34	U	1
1,2,3-Trichloropropane	96-18-4	<0.000953	0.00680	0.000953	mg/kg	02.19.15 17:34	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.000153	0.00680	0.000153	mg/kg	02.19.15 17:34	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000540	0.00680	0.000540	mg/kg	02.19.15 17:34	U	1
Vinyl Chloride	75-01-4	<0.00112	0.00272	0.00112	mg/kg	02.19.15 17:34	U	1
o-Xylene	95-47-6	<0.000379	0.00680	0.000379	mg/kg	02.19.15 17:34	U	1
m,p-Xylenes	179601-23-1	<0.000525	0.0136	0.000525	mg/kg	02.19.15 17:34	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	99	53 - 142	%		
1,2-Dichloroethane-D4	99	56 - 150	%		
Toluene-D8	99	70 - 130	%		
4-Bromofluorobenzene	99	68 - 152	%		

Final 1.000

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-10** Matrix: Soil Sample Depth: 18 - 20 ft

Lab Sample Id: 502475-010 Date Collected: 02.13.15 12.30 Date Received: 02.16.15 14.40

Analytical Method: Total Petroleum Hydrocarbons by Texas 1005 Prep Method: 1005

Analyst: PKH % Moist: 16.95 Tech: PKH

Seq Number: 962289 Date Prep: 02.19.15 10.42

Prep seq: 688709

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C6-C12 Gasoline Range Hydrocarbons	PHC612	<10.8	60.1	10.8	mg/kg	02.20.15 03:53	U	1
C12-C28 Diesel Range Hydrocarbons	PHCG1028	<10.8	60.1	10.8	mg/kg	02.20.15 03:53	U	1
C28-C35 Oil Range Hydrocarbons	PHCG2835	<10.8	60.1	10.8	mg/kg	02.20.15 03:53	U	1
Total TPH 1005	PHC635	<10.8		10.8	mg/kg	02.20.15 03:53	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
o-Terphenyl	109	70 - 130	%		
1-Chlorooctane	104	70 - 130	%		

Analytical Method: BTEX-MTBE by SW 8260B Prep Method: 5030B

Analyst: SAD % Moist: 16.95 Tech: SAD

Seq Number: 962424 Date Prep: 02.23.15 13.50

Prep seq: 688887

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
MTBE	1634-04-4	**0.0115**	0.00603	0.000711	mg/kg	02.23.15 17:48		1
Benzene	71-43-2	<0.000232	0.00121	0.000232	mg/kg	02.23.15 17:48	U	1
Toluene	108-88-3	<0.000156	0.00121	0.000156	mg/kg	02.23.15 17:48	U	1
Ethylbenzene	100-41-4	<0.000115	0.00121	0.000115	mg/kg	02.23.15 17:48	U	1
m,p-Xylenes	179601-23-1	<0.000436	0.00241	0.000436	mg/kg	02.23.15 17:48	U	1
o-Xylene	95-47-6	<0.000276	0.00121	0.000276	mg/kg	02.23.15 17:48	U	1
Total Xylenes	1330-20-7	<0.000276		0.000276	mg/kg	02.23.15 17:48	U	
Total BTEX		<0.000115		0.000115	mg/kg	02.23.15 17:48	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	105	74 - 126	%		
1,2-Dichloroethane-D4	111	80 - 120	%		
Toluene-D8	102	73 - 132	%		
4-Bromofluorobenzene	99	58 - 152	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-11** Matrix: Soil Sample Depth: 6 - 8 ft

Lab Sample Id: 502475-011 Date Collected: 02.13.15 13.30 Date Received: 02.16.15 14.40

Analytical Method: Total Petroleum Hydrocarbons by Texas 1005 Prep Method: 1005

Analyst: PKH % Moist: 17.48 Tech: PKH

Seq Number: 962289 Date Prep: 02.19.15 10.45

Prep seq: 688709

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C6-C12 Gasoline Range Hydrocarbons	PHC612	<10.9	60.6	10.9	mg/kg	02.20.15 04:12	U	1
C12-C28 Diesel Range Hydrocarbons	PHCG1028	<10.9	60.6	10.9	mg/kg	02.20.15 04:12	U	1
C28-C35 Oil Range Hydrocarbons	PHCG2835	<10.9	60.6	10.9	mg/kg	02.20.15 04:12	U	1
Total TPH 1005	PHC635	<10.9		10.9	mg/kg	02.20.15 04:12	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
o-Terphenyl	100	70 - 130	%		
1-Chlorooctane	97	70 - 130	%		

Analytical Method: BTEX-MTBE by SW 8260B Prep Method: 5030B

Analyst: SAD % Moist: 17.48 Tech: SAD

Seq Number: 962424 Date Prep: 02.23.15 13.51

Prep seq: 688887

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
MTBE	1634-04-4	<0.000721	0.00612	0.000721	mg/kg	02.23.15 18:14	U	1
Benzene	71-43-2	<0.000236	0.00122	0.000236	mg/kg	02.23.15 18:14	U	1
Toluene	108-88-3	<0.000158	0.00122	0.000158	mg/kg	02.23.15 18:14	U	1
Ethylbenzene	100-41-4	<0.000117	0.00122	0.000117	mg/kg	02.23.15 18:14	U	1
m,p-Xylenes	179601-23-1	<0.000443	0.00245	0.000443	mg/kg	02.23.15 18:14	U	1
o-Xylene	95-47-6	<0.000280	0.00122	0.000280	mg/kg	02.23.15 18:14	U	1
Total Xylenes	1330-20-7	<0.000280		0.000280	mg/kg	02.23.15 18:14	U	
Total BTEX		<0.000117		0.000117	mg/kg	02.23.15 18:14	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	102	74 - 126	%		
1,2-Dichloroethane-D4	100	80 - 120	%		
Toluene-D8	103	73 - 132	%		
4-Bromofluorobenzene	95	58 - 152	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-12** Matrix: Soil Sample Depth: 18 - 20 ft

Lab Sample Id: 502475-012 Date Collected: 02.13.15 14.30 Date Received: 02.16.15 14.40

Analytical Method: Total Petroleum Hydrocarbons by Texas 1005 Prep Method: 1005

Analyst: PKH % Moist: 28.56 Tech: PKH

Seq Number: 962271 Date Prep: 02.19.15 11.45

Prep seq: 688761

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C6-C12 Gasoline Range Hydrocarbons	PHC612	<12.6	69.9	12.6	mg/kg	02.20.15 01:00	U	1
C12-C28 Diesel Range Hydrocarbons	PHCG1028	<12.6	69.9	12.6	mg/kg	02.20.15 01:00	U	1
C28-C35 Oil Range Hydrocarbons	PHCG2835	<12.6	69.9	12.6	mg/kg	02.20.15 01:00	U	1
Total TPH 1005	PHC635	<12.6		12.6	mg/kg	02.20.15 01:00	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
o-Terphenyl	84	70 - 130	%		
1-Chlorooctane	88	70 - 130	%		

Analytical Method: BTEX-MTBE by SW 8260B Prep Method: 5030B

Analyst: SAD % Moist: 28.56 Tech: SAD

Seq Number: 962424 Date Prep: 02.23.15 13.52

Prep seq: 688887

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
MTBE	1634-04-4	<0.000816	0.00693	0.000816	mg/kg	02.23.15 18:40	U	1
Benzene	71-43-2	<0.000267	0.00139	0.000267	mg/kg	02.23.15 18:40	U	1
Toluene	108-88-3	<0.000179	0.00139	0.000179	mg/kg	02.23.15 18:40	U	1
Ethylbenzene	100-41-4	<0.000132	0.00139	0.000132	mg/kg	02.23.15 18:40	U	1
m,p-Xylenes	179601-23-1	<0.000501	0.00277	0.000501	mg/kg	02.23.15 18:40	U	1
o-Xylene	95-47-6	<0.000318	0.00139	0.000318	mg/kg	02.23.15 18:40	U	1
Total Xylenes	1330-20-7	<0.000318		0.000318	mg/kg	02.23.15 18:40	U	
Total BTEX		<0.000132		0.000132	mg/kg	02.23.15 18:40	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	110	74 - 126	%		
1,2-Dichloroethane-D4	103	80 - 120	%		
Toluene-D8	101	73 - 132	%		
4-Bromofluorobenzene	100	58 - 152	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-13** Matrix: Soil Sample Depth: 8 - 10 ft

Lab Sample Id: 502475-013 Date Collected: 02.13.15 16.01 Date Received: 02.16.15 14.40

Analytical Method: Total Petroleum Hydrocarbons by Texas 1005 Prep Method: 1005

Analyst: PKH % Moist: 15.16 Tech: PKH

Seq Number: 962271 Date Prep: 02.19.15 11.48

Prep seq: 688761

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C6-C12 Gasoline Range Hydrocarbons	PHC612	<10.6	58.9	10.6	mg/kg	02.20.15 01:19	U	1
C12-C28 Diesel Range Hydrocarbons	PHCG1028	<10.6	58.9	10.6	mg/kg	02.20.15 01:19	U	1
C28-C35 Oil Range Hydrocarbons	PHCG2835	<10.6	58.9	10.6	mg/kg	02.20.15 01:19	U	1
Total TPH 1005	PHC635	<10.6		10.6	mg/kg	02.20.15 01:19	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
o-Terphenyl	99	70 - 130	%		
1-Chlorooctane	98	70 - 130	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-13** Matrix: Soil Sample Depth: 8 - 10 ft

Lab Sample Id: 502475-013 Date Collected: 02.13.15 16.01 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 15.16 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.14

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000184	0.00588	0.000184	mg/kg	02.19.15 19:17	U	1
Bromobenzene	108-86-1	<0.000515	0.00588	0.000515	mg/kg	02.19.15 19:17	U	1
Bromochloromethane	74-97-5	<0.000559	0.00588	0.000559	mg/kg	02.19.15 19:17	U	1
Bromodichloromethane	75-27-4	<0.000312	0.00588	0.000312	mg/kg	02.19.15 19:17	U	1
Bromoform	75-25-2	<0.000822	0.00588	0.000822	mg/kg	02.19.15 19:17	U	1
Bromomethane	74-83-9	<0.00124	0.00588	0.00124	mg/kg	02.19.15 19:17	U	1
MTBE	1634-04-4	<0.000400	0.00588	0.000400	mg/kg	02.19.15 19:17	U	1
tert-Butylbenzene	98-06-6	<0.000243	0.00588	0.000243	mg/kg	02.19.15 19:17	U	1
Sec-Butylbenzene	135-98-8	<0.000577	0.00588	0.000577	mg/kg	02.19.15 19:17	U	1
n-Butylbenzene	104-51-8	<0.000552	0.00588	0.000552	mg/kg	02.19.15 19:17	U	1
Carbon Tetrachloride	56-23-5	<0.000275	0.00588	0.000275	mg/kg	02.19.15 19:17	U	1
Chlorobenzene	108-90-7	<0.000281	0.00588	0.000281	mg/kg	02.19.15 19:17	U	1
Chloroethane	75-00-3	<0.000645	0.0118	0.000645	mg/kg	02.19.15 19:17	U	1
Chloroform	67-66-3	<0.000344	0.00588	0.000344	mg/kg	02.19.15 19:17	U	1
Chloromethane	74-87-3	<0.000351	0.0118	0.000351	mg/kg	02.19.15 19:17	U	1
2-Chlorotoluene	95-49-8	<0.000462	0.00588	0.000462	mg/kg	02.19.15 19:17	U	1
4-Chlorotoluene	106-43-4	<0.000517	0.00588	0.000517	mg/kg	02.19.15 19:17	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000495	0.00588	0.000495	mg/kg	02.19.15 19:17	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00182	0.00588	0.00182	mg/kg	02.19.15 19:17	U	1
Dibromochloromethane	124-48-1	<0.000556	0.00588	0.000556	mg/kg	02.19.15 19:17	U	1
Dibromomethane	74-95-3	<0.000414	0.00588	0.000414	mg/kg	02.19.15 19:17	U	1
1,2-Dichlorobenzene	95-50-1	<0.000507	0.00588	0.000507	mg/kg	02.19.15 19:17	U	1
1,3-Dichlorobenzene	541-73-1	<0.000437	0.00588	0.000437	mg/kg	02.19.15 19:17	U	1
1,4-Dichlorobenzene	106-46-7	<0.000279	0.00588	0.000279	mg/kg	02.19.15 19:17	U	1
Dichlorodifluoromethane	75-71-8	<0.000501	0.00588	0.000501	mg/kg	02.19.15 19:17	U	1
1,2-Dichloroethane	107-06-2	<0.000413	0.00588	0.000413	mg/kg	02.19.15 19:17	U	1
1,1-Dichloroethane	75-34-3	<0.000237	0.00588	0.000237	mg/kg	02.19.15 19:17	U	1
trans-1,2-dichloroethene	156-60-5	<0.000344	0.00588	0.000344	mg/kg	02.19.15 19:17	U	1
1,2-Dibromoethane	106-93-4	<0.000498	0.00588	0.000498	mg/kg	02.19.15 19:17	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000400	0.00588	0.000400	mg/kg	02.19.15 19:17	U	1
1,1-Dichloroethene	75-35-4	<0.000279	0.00588	0.000279	mg/kg	02.19.15 19:17	U	1
2,2-Dichloropropane	594-20-7	<0.00139	0.00588	0.00139	mg/kg	02.19.15 19:17	U	1
1,3-Dichloropropane	142-28-9	<0.000294	0.00588	0.000294	mg/kg	02.19.15 19:17	U	1
1,2-Dichloropropane	78-87-5	<0.000556	0.00588	0.000556	mg/kg	02.19.15 19:17	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000357	0.00588	0.000357	mg/kg	02.19.15 19:17	U	1
1,1-Dichloropropene	563-58-6	<0.000498	0.00588	0.000498	mg/kg	02.19.15 19:17	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000503	0.00588	0.000503	mg/kg	02.19.15 19:17	U	1
Ethylbenzene	100-41-4	<0.000505	0.00588	0.000505	mg/kg	02.19.15 19:17	U	1
Hexachlorobutadiene	87-68-3	<0.00102	0.00588	0.00102	mg/kg	02.19.15 19:17	U	1
isopropylbenzene	98-82-8	<0.000197	0.00588	0.000197	mg/kg	02.19.15 19:17	U	1
Methylene Chloride	75-09-2	<0.000692	0.0235	0.000692	mg/kg	02.19.15 19:17	U	1
Naphthalene	91-20-3	<0.000319	0.0118	0.000319	mg/kg	02.19.15 19:17	U	1
n-Propylbenzene	103-65-1	<0.000211	0.00588	0.000211	mg/kg	02.19.15 19:17	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**EB-13**	Matrix:	Soil	Sample Depth:	8 - 10 ft
Lab Sample Id:	502475-013	Date Collected:	02.13.15 16.01	Date Received:	02.16.15 14.40
Analytical Method:	VOAs by SW-846 8260			Prep Method:	5030B
Analyst:	MCH	% Moist:	15.16	Tech:	MCH
Seq Number:	962371	Date Prep:	02.19.15 12.14		
		Prep seq:	688859		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000177	0.00588	0.000177	mg/kg	02.19.15 19:17	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000479	0.00588	0.000479	mg/kg	02.19.15 19:17	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000540	0.00588	0.000540	mg/kg	02.19.15 19:17	U	1
Tetrachloroethylene	127-18-4	<0.000301	0.00588	0.000301	mg/kg	02.19.15 19:17	U	1
Toluene	108-88-3	<0.000543	0.00588	0.000543	mg/kg	02.19.15 19:17	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000511	0.00588	0.000511	mg/kg	02.19.15 19:17	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000285	0.00588	0.000285	mg/kg	02.19.15 19:17	U	1
1,1,2-Trichloroethane	79-00-5	<0.000383	0.00588	0.000383	mg/kg	02.19.15 19:17	U	1
1,1,1-Trichloroethane	71-55-6	<0.000398	0.00588	0.000398	mg/kg	02.19.15 19:17	U	1
Trichloroethene	79-01-6	<0.000385	0.00588	0.000385	mg/kg	02.19.15 19:17	U	1
Trichlorofluoromethane	75-69-4	<0.000571	0.00588	0.000571	mg/kg	02.19.15 19:17	U	1
1,2,3-Trichloropropane	96-18-4	<0.000825	0.00588	0.000825	mg/kg	02.19.15 19:17	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.000133	0.00588	0.000133	mg/kg	02.19.15 19:17	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000468	0.00588	0.000468	mg/kg	02.19.15 19:17	U	1
Vinyl Chloride	75-01-4	<0.000973	0.00235	0.000973	mg/kg	02.19.15 19:17	U	1
o-Xylene	95-47-6	<0.000328	0.00588	0.000328	mg/kg	02.19.15 19:17	U	1
m,p-Xylenes	179601-23-1	<0.000454	0.0118	0.000454	mg/kg	02.19.15 19:17	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	104	53 - 142	%		
1,2-Dichloroethane-D4	99	56 - 150	%		
Toluene-D8	100	70 - 130	%		
4-Bromofluorobenzene	99	68 - 152	%		

Final 1.000

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**EB-14**	Matrix:	Soil	Sample Depth:	10 - 12 ft
Lab Sample Id:	502475-014	Date Collected:	02.13.15 16.30	Date Received:	02.16.15 14.40

Analytical Method:	Total Petroleum Hydrocarbons by Texas 1005			Prep Method:	1005
Analyst:	PKH	% Moist:	17.71	Tech:	PKH
Seq Number:	962289	Date Prep:	02.18.15 13.33		
		Prep seq:	688709		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C6-C12 Gasoline Range Hydrocarbons	PHC612	<10.9	60.6	10.9	mg/kg	02.18.15 23:07	U	1
C12-C28 Diesel Range Hydrocarbons	PHCG1028	<10.9	60.6	10.9	mg/kg	02.18.15 23:07	U	1
C28-C35 Oil Range Hydrocarbons	PHCG2835	<10.9	60.6	10.9	mg/kg	02.18.15 23:07	U	1
Total TPH 1005	PHC635	<10.9		10.9	mg/kg	02.18.15 23:07	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
o-Terphenyl	74	70 - 130	%		
1-Chlorooctane	70	70 - 130	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-15** Matrix: Soil Sample Depth: 6 - 8 ft

Lab Sample Id: 502475-015 Date Collected: 02.13.15 17.15 Date Received: 02.16.15 14.40

Analytical Method: Total Petroleum Hydrocarbons by Texas 1005 Prep Method: 1005

Analyst: PKH % Moist: 19.31 Tech: PKH

Seq Number: 962271 Date Prep: 02.19.15 11.51

Prep seq: 688761

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C6-C12 Gasoline Range Hydrocarbons	PHC612	<11.1	61.7	11.1	mg/kg	02.20.15 01:39	U	1
C12-C28 Diesel Range Hydrocarbons	PHCG1028	<11.1	61.7	11.1	mg/kg	02.20.15 01:39	U	1
C28-C35 Oil Range Hydrocarbons	PHCG2835	<11.1	61.7	11.1	mg/kg	02.20.15 01:39	U	1
Total TPH 1005	PHC635	<11.1		11.1	mg/kg	02.20.15 01:39	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
o-Terphenyl	104	70 - 130	%		
1-Chlorooctane	100	70 - 130	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-15** Matrix: Soil Sample Depth: 6 - 8 ft

Lab Sample Id: 502475-015 Date Collected: 02.13.15 17.15 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 19.31 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.15

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000194	0.00620	0.000194	mg/kg	02.19.15 19:42	U	1
Bromobenzene	108-86-1	<0.000543	0.00620	0.000543	mg/kg	02.19.15 19:42	U	1
Bromochloromethane	74-97-5	<0.000589	0.00620	0.000589	mg/kg	02.19.15 19:42	U	1
Bromodichloromethane	75-27-4	<0.000329	0.00620	0.000329	mg/kg	02.19.15 19:42	U	1
Bromoform	75-25-2	<0.000866	0.00620	0.000866	mg/kg	02.19.15 19:42	U	1
Bromomethane	74-83-9	<0.00131	0.00620	0.00131	mg/kg	02.19.15 19:42	U	1
MTBE	1634-04-4	<0.000422	0.00620	0.000422	mg/kg	02.19.15 19:42	U	1
tert-Butylbenzene	98-06-6	<0.000256	0.00620	0.000256	mg/kg	02.19.15 19:42	U	1
Sec-Butylbenzene	135-98-8	<0.000608	0.00620	0.000608	mg/kg	02.19.15 19:42	U	1
n-Butylbenzene	104-51-8	<0.000582	0.00620	0.000582	mg/kg	02.19.15 19:42	U	1
Carbon Tetrachloride	56-23-5	<0.000289	0.00620	0.000289	mg/kg	02.19.15 19:42	U	1
Chlorobenzene	108-90-7	<0.000296	0.00620	0.000296	mg/kg	02.19.15 19:42	U	1
Chloroethane	75-00-3	<0.000680	0.0124	0.000680	mg/kg	02.19.15 19:42	U	1
Chloroform	67-66-3	<0.000362	0.00620	0.000362	mg/kg	02.19.15 19:42	U	1
Chloromethane	74-87-3	<0.000370	0.0124	0.000370	mg/kg	02.19.15 19:42	U	1
2-Chlorotoluene	95-49-8	<0.000486	0.00620	0.000486	mg/kg	02.19.15 19:42	U	1
4-Chlorotoluene	106-43-4	<0.000544	0.00620	0.000544	mg/kg	02.19.15 19:42	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000521	0.00620	0.000521	mg/kg	02.19.15 19:42	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00192	0.00620	0.00192	mg/kg	02.19.15 19:42	U	1
Dibromochloromethane	124-48-1	<0.000586	0.00620	0.000586	mg/kg	02.19.15 19:42	U	1
Dibromomethane	74-95-3	<0.000437	0.00620	0.000437	mg/kg	02.19.15 19:42	U	1
1,2-Dichlorobenzene	95-50-1	<0.000534	0.00620	0.000534	mg/kg	02.19.15 19:42	U	1
1,3-Dichlorobenzene	541-73-1	<0.000460	0.00620	0.000460	mg/kg	02.19.15 19:42	U	1
1,4-Dichlorobenzene	106-46-7	<0.000294	0.00620	0.000294	mg/kg	02.19.15 19:42	U	1
Dichlorodifluoromethane	75-71-8	<0.000527	0.00620	0.000527	mg/kg	02.19.15 19:42	U	1
1,2-Dichloroethane	107-06-2	<0.000435	0.00620	0.000435	mg/kg	02.19.15 19:42	U	1
1,1-Dichloroethane	75-34-3	<0.000249	0.00620	0.000249	mg/kg	02.19.15 19:42	U	1
trans-1,2-dichloroethene	156-60-5	<0.000362	0.00620	0.000362	mg/kg	02.19.15 19:42	U	1
1,2-Dibromoethane	106-93-4	<0.000525	0.00620	0.000525	mg/kg	02.19.15 19:42	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000422	0.00620	0.000422	mg/kg	02.19.15 19:42	U	1
1,1-Dichloroethene	75-35-4	<0.000294	0.00620	0.000294	mg/kg	02.19.15 19:42	U	1
2,2-Dichloropropane	594-20-7	<0.00147	0.00620	0.00147	mg/kg	02.19.15 19:42	U	1
1,3-Dichloropropane	142-28-9	<0.000310	0.00620	0.000310	mg/kg	02.19.15 19:42	U	1
1,2-Dichloropropane	78-87-5	<0.000586	0.00620	0.000586	mg/kg	02.19.15 19:42	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000376	0.00620	0.000376	mg/kg	02.19.15 19:42	U	1
1,1-Dichloropropene	563-58-6	<0.000524	0.00620	0.000524	mg/kg	02.19.15 19:42	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000530	0.00620	0.000530	mg/kg	02.19.15 19:42	U	1
Ethylbenzene	100-41-4	<0.000533	0.00620	0.000533	mg/kg	02.19.15 19:42	U	1
Hexachlorobutadiene	87-68-3	<0.00107	0.00620	0.00107	mg/kg	02.19.15 19:42	U	1
isopropylbenzene	98-82-8	<0.000207	0.00620	0.000207	mg/kg	02.19.15 19:42	U	1
Methylene Chloride	75-09-2	<0.000729	0.0248	0.000729	mg/kg	02.19.15 19:42	U	1
Naphthalene	91-20-3	<0.000336	0.0124	0.000336	mg/kg	02.19.15 19:42	U	1
n-Propylbenzene	103-65-1	<0.000222	0.00620	0.000222	mg/kg	02.19.15 19:42	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-15** | Matrix: Soil | Sample Depth: 6 - 8 ft

Lab Sample Id: 502475-015 | Date Collected: 02.13.15 17.15 | Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 | Prep Method: 5030B

Analyst: MCH | % Moist: 19.31 | Tech: MCH

Seq Number: 962371 | Date Prep: 02.19.15 12.15

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000186	0.00620	0.000186	mg/kg	02.19.15 19:42	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000504	0.00620	0.000504	mg/kg	02.19.15 19:42	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000568	0.00620	0.000568	mg/kg	02.19.15 19:42	U	1
Tetrachloroethylene	127-18-4	<0.000317	0.00620	0.000317	mg/kg	02.19.15 19:42	U	1
Toluene	108-88-3	<0.000572	0.00620	0.000572	mg/kg	02.19.15 19:42	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000538	0.00620	0.000538	mg/kg	02.19.15 19:42	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000301	0.00620	0.000301	mg/kg	02.19.15 19:42	U	1
1,1,2-Trichloroethane	79-00-5	<0.000404	0.00620	0.000404	mg/kg	02.19.15 19:42	U	1
1,1,1-Trichloroethane	71-55-6	<0.000420	0.00620	0.000420	mg/kg	02.19.15 19:42	U	1
Trichloroethene	79-01-6	<0.000405	0.00620	0.000405	mg/kg	02.19.15 19:42	U	1
Trichlorofluoromethane	75-69-4	<0.000602	0.00620	0.000602	mg/kg	02.19.15 19:42	U	1
1,2,3-Trichloropropane	96-18-4	<0.000869	0.00620	0.000869	mg/kg	02.19.15 19:42	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.000140	0.00620	0.000140	mg/kg	02.19.15 19:42	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000493	0.00620	0.000493	mg/kg	02.19.15 19:42	U	1
Vinyl Chloride	75-01-4	<0.00102	0.00248	0.00102	mg/kg	02.19.15 19:42	U	1
o-Xylene	95-47-6	<0.000345	0.00620	0.000345	mg/kg	02.19.15 19:42	U	1
m,p-Xylenes	179601-23-1	<0.000479	0.0124	0.000479	mg/kg	02.19.15 19:42	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	105	53 - 142	%		
1,2-Dichloroethane-D4	104	56 - 150	%		
Toluene-D8	100	70 - 130	%		
4-Bromofluorobenzene	95	68 - 152	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-16** Matrix: Soil Sample Depth: 10 - 12 ft

Lab Sample Id: 502475-016 Date Collected: 02.13.15 11.30 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 25.91 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.16

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000212	0.00675	0.000212	mg/kg	02.19.15 20:08	U	1
Bromobenzene	108-86-1	<0.000591	0.00675	0.000591	mg/kg	02.19.15 20:08	U	1
Bromochloromethane	74-97-5	<0.000641	0.00675	0.000641	mg/kg	02.19.15 20:08	U	1
Bromodichloromethane	75-27-4	<0.000358	0.00675	0.000358	mg/kg	02.19.15 20:08	U	1
Bromoform	75-25-2	<0.000943	0.00675	0.000943	mg/kg	02.19.15 20:08	U	1
Bromomethane	74-83-9	<0.00143	0.00675	0.00143	mg/kg	02.19.15 20:08	U	1
MTBE	1634-04-4	<0.000459	0.00675	0.000459	mg/kg	02.19.15 20:08	U	1
tert-Butylbenzene	98-06-6	<0.000279	0.00675	0.000279	mg/kg	02.19.15 20:08	U	1
Sec-Butylbenzene	135-98-8	<0.000662	0.00675	0.000662	mg/kg	02.19.15 20:08	U	1
n-Butylbenzene	104-51-8	<0.000634	0.00675	0.000634	mg/kg	02.19.15 20:08	U	1
Carbon Tetrachloride	56-23-5	<0.000315	0.00675	0.000315	mg/kg	02.19.15 20:08	U	1
Chlorobenzene	108-90-7	<0.000323	0.00675	0.000323	mg/kg	02.19.15 20:08	U	1
Chloroethane	75-00-3	<0.000740	0.0135	0.000740	mg/kg	02.19.15 20:08	U	1
Chloroform	67-66-3	<0.000395	0.00675	0.000395	mg/kg	02.19.15 20:08	U	1
Chloromethane	74-87-3	<0.000403	0.0135	0.000403	mg/kg	02.19.15 20:08	U	1
2-Chlorotoluene	95-49-8	<0.000530	0.00675	0.000530	mg/kg	02.19.15 20:08	U	1
4-Chlorotoluene	106-43-4	<0.000593	0.00675	0.000593	mg/kg	02.19.15 20:08	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000567	0.00675	0.000567	mg/kg	02.19.15 20:08	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00209	0.00675	0.00209	mg/kg	02.19.15 20:08	U	1
Dibromochloromethane	124-48-1	<0.000638	0.00675	0.000638	mg/kg	02.19.15 20:08	U	1
Dibromomethane	74-95-3	<0.000475	0.00675	0.000475	mg/kg	02.19.15 20:08	U	1
1,2-Dichlorobenzene	95-50-1	<0.000582	0.00675	0.000582	mg/kg	02.19.15 20:08	U	1
1,3-Dichlorobenzene	541-73-1	<0.000501	0.00675	0.000501	mg/kg	02.19.15 20:08	U	1
1,4-Dichlorobenzene	106-46-7	<0.000321	0.00675	0.000321	mg/kg	02.19.15 20:08	U	1
Dichlorodifluoromethane	75-71-8	<0.000574	0.00675	0.000574	mg/kg	02.19.15 20:08	U	1
1,2-Dichloroethane	107-06-2	<0.000473	0.00675	0.000473	mg/kg	02.19.15 20:08	U	1
1,1-Dichloroethane	75-34-3	<0.000271	0.00675	0.000271	mg/kg	02.19.15 20:08	U	1
trans-1,2-dichloroethene	156-60-5	<0.000395	0.00675	0.000395	mg/kg	02.19.15 20:08	U	1
1,2-Dibromoethane	106-93-4	<0.000571	0.00675	0.000571	mg/kg	02.19.15 20:08	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000459	0.00675	0.000459	mg/kg	02.19.15 20:08	U	1
1,1-Dichloroethene	75-35-4	<0.000320	0.00675	0.000320	mg/kg	02.19.15 20:08	U	1
2,2-Dichloropropane	594-20-7	<0.00160	0.00675	0.00160	mg/kg	02.19.15 20:08	U	1
1,3-Dichloropropane	142-28-9	<0.000337	0.00675	0.000337	mg/kg	02.19.15 20:08	U	1
1,2-Dichloropropane	78-87-5	<0.000638	0.00675	0.000638	mg/kg	02.19.15 20:08	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000410	0.00675	0.000410	mg/kg	02.19.15 20:08	U	1
1,1-Dichloropropene	563-58-6	<0.000571	0.00675	0.000571	mg/kg	02.19.15 20:08	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000577	0.00675	0.000577	mg/kg	02.19.15 20:08	U	1
Ethylbenzene	100-41-4	<0.000580	0.00675	0.000580	mg/kg	02.19.15 20:08	U	1
Hexachlorobutadiene	87-68-3	<0.00116	0.00675	0.00116	mg/kg	02.19.15 20:08	U	1
isopropylbenzene	98-82-8	<0.000226	0.00675	0.000226	mg/kg	02.19.15 20:08	U	1
Methylene Chloride	75-09-2	<0.000794	0.0270	0.000794	mg/kg	02.19.15 20:08	U	1
Naphthalene	91-20-3	<0.000366	0.0135	0.000366	mg/kg	02.19.15 20:08	U	1
n-Propylbenzene	103-65-1	<0.000242	0.00675	0.000242	mg/kg	02.19.15 20:08	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**EB-16**	Matrix:	Soil	Sample Depth:	10 - 12 ft
Lab Sample Id:	502475-016	Date Collected:	02.13.15 11.30	Date Received:	02.16.15 14.40
Analytical Method:	VOAs by SW-846 8260			Prep Method:	5030B
Analyst:	MCH	% Moist:	25.91	Tech:	MCH
Seq Number:	962371	Date Prep:	02.19.15 12.16		
		Prep seq:	688859		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000203	0.00675	0.000203	mg/kg	02.19.15 20:08	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000549	0.00675	0.000549	mg/kg	02.19.15 20:08	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000619	0.00675	0.000619	mg/kg	02.19.15 20:08	U	1
Tetrachloroethylene	127-18-4	<0.000345	0.00675	0.000345	mg/kg	02.19.15 20:08	U	1
Toluene	108-88-3	<0.000623	0.00675	0.000623	mg/kg	02.19.15 20:08	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000586	0.00675	0.000586	mg/kg	02.19.15 20:08	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000328	0.00675	0.000328	mg/kg	02.19.15 20:08	U	1
1,1,2-Trichloroethane	79-00-5	<0.000439	0.00675	0.000439	mg/kg	02.19.15 20:08	U	1
1,1,1-Trichloroethane	71-55-6	<0.000457	0.00675	0.000457	mg/kg	02.19.15 20:08	U	1
Trichloroethene	79-01-6	<0.000441	0.00675	0.000441	mg/kg	02.19.15 20:08	U	1
Trichlorofluoromethane	75-69-4	<0.000655	0.00675	0.000655	mg/kg	02.19.15 20:08	U	1
1,2,3-Trichloropropane	96-18-4	<0.000947	0.00675	0.000947	mg/kg	02.19.15 20:08	U	1
1,2,4-Trimethylbenzene	95-63-6	**0.000472**	0.00675	0.000152	mg/kg	02.19.15 20:08	J	1
1,3,5-trimethylbenzene	108-67-8	<0.000536	0.00675	0.000536	mg/kg	02.19.15 20:08	U	1
Vinyl Chloride	75-01-4	<0.00112	0.00270	0.00112	mg/kg	02.19.15 20:08	U	1
o-Xylene	95-47-6	<0.000376	0.00675	0.000376	mg/kg	02.19.15 20:08	U	1
m,p-Xylenes	179601-23-1	**0.000594**	0.0135	0.000521	mg/kg	02.19.15 20:08	J	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	112	53 - 142	%		
1,2-Dichloroethane-D4	101	56 - 150	%		
Toluene-D8	99	70 - 130	%		
4-Bromofluorobenzene	93	68 - 152	%		

Final 1.000

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-18** Matrix: Soil Sample Depth: 6 - 8 ft

Lab Sample Id: 502475-017 Date Collected: 02.13.15 13.00 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 16.01 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.17

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000186	0.00594	0.000186	mg/kg	02.19.15 20:33	U	1
Bromobenzene	108-86-1	<0.000521	0.00594	0.000521	mg/kg	02.19.15 20:33	U	1
Bromochloromethane	74-97-5	<0.000564	0.00594	0.000564	mg/kg	02.19.15 20:33	U	1
Bromodichloromethane	75-27-4	<0.000315	0.00594	0.000315	mg/kg	02.19.15 20:33	U	1
Bromoform	75-25-2	<0.000830	0.00594	0.000830	mg/kg	02.19.15 20:33	U	1
Bromomethane	74-83-9	<0.00126	0.00594	0.00126	mg/kg	02.19.15 20:33	U	1
MTBE	1634-04-4	<0.000404	0.00594	0.000404	mg/kg	02.19.15 20:33	U	1
tert-Butylbenzene	98-06-6	<0.000245	0.00594	0.000245	mg/kg	02.19.15 20:33	U	1
Sec-Butylbenzene	135-98-8	<0.000583	0.00594	0.000583	mg/kg	02.19.15 20:33	U	1
n-Butylbenzene	104-51-8	<0.000558	0.00594	0.000558	mg/kg	02.19.15 20:33	U	1
Carbon Tetrachloride	56-23-5	<0.000278	0.00594	0.000278	mg/kg	02.19.15 20:33	U	1
Chlorobenzene	108-90-7	<0.000284	0.00594	0.000284	mg/kg	02.19.15 20:33	U	1
Chloroethane	75-00-3	<0.000652	0.0119	0.000652	mg/kg	02.19.15 20:33	U	1
Chloroform	67-66-3	<0.000347	0.00594	0.000347	mg/kg	02.19.15 20:33	U	1
Chloromethane	74-87-3	<0.000355	0.0119	0.000355	mg/kg	02.19.15 20:33	U	1
2-Chlorotoluene	95-49-8	<0.000466	0.00594	0.000466	mg/kg	02.19.15 20:33	U	1
4-Chlorotoluene	106-43-4	<0.000522	0.00594	0.000522	mg/kg	02.19.15 20:33	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000500	0.00594	0.000500	mg/kg	02.19.15 20:33	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00184	0.00594	0.00184	mg/kg	02.19.15 20:33	U	1
Dibromochloromethane	124-48-1	<0.000562	0.00594	0.000562	mg/kg	02.19.15 20:33	U	1
Dibromomethane	74-95-3	<0.000419	0.00594	0.000419	mg/kg	02.19.15 20:33	U	1
1,2-Dichlorobenzene	95-50-1	<0.000512	0.00594	0.000512	mg/kg	02.19.15 20:33	U	1
1,3-Dichlorobenzene	541-73-1	<0.000441	0.00594	0.000441	mg/kg	02.19.15 20:33	U	1
1,4-Dichlorobenzene	106-46-7	<0.000282	0.00594	0.000282	mg/kg	02.19.15 20:33	U	1
Dichlorodifluoromethane	75-71-8	<0.000506	0.00594	0.000506	mg/kg	02.19.15 20:33	U	1
1,2-Dichloroethane	107-06-2	<0.000417	0.00594	0.000417	mg/kg	02.19.15 20:33	U	1
1,1-Dichloroethane	75-34-3	<0.000239	0.00594	0.000239	mg/kg	02.19.15 20:33	U	1
1,2-Dibromoethane	106-93-4	<0.000503	0.00594	0.000503	mg/kg	02.19.15 20:33	U	1
trans-1,2-dichloroethene	156-60-5	<0.000347	0.00594	0.000347	mg/kg	02.19.15 20:33	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000404	0.00594	0.000404	mg/kg	02.19.15 20:33	U	1
1,1-Dichloroethene	75-35-4	<0.000282	0.00594	0.000282	mg/kg	02.19.15 20:33	U	1
2,2-Dichloropropane	594-20-7	<0.00141	0.00594	0.00141	mg/kg	02.19.15 20:33	U	1
1,3-Dichloropropane	142-28-9	<0.000297	0.00594	0.000297	mg/kg	02.19.15 20:33	U	1
1,2-Dichloropropane	78-87-5	<0.000561	0.00594	0.000561	mg/kg	02.19.15 20:33	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000361	0.00594	0.000361	mg/kg	02.19.15 20:33	U	1
1,1-Dichloropropene	563-58-6	<0.000503	0.00594	0.000503	mg/kg	02.19.15 20:33	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000508	0.00594	0.000508	mg/kg	02.19.15 20:33	U	1
Ethylbenzene	100-41-4	<0.000511	0.00594	0.000511	mg/kg	02.19.15 20:33	U	1
Hexachlorobutadiene	87-68-3	<0.00103	0.00594	0.00103	mg/kg	02.19.15 20:33	U	1
isopropylbenzene	98-82-8	<0.000199	0.00594	0.000199	mg/kg	02.19.15 20:33	U	1
Methylene Chloride	75-09-2	<0.000699	0.0238	0.000699	mg/kg	02.19.15 20:33	U	1
Naphthalene	91-20-3	<0.000322	0.0119	0.000322	mg/kg	02.19.15 20:33	U	1
n-Propylbenzene	103-65-1	<0.000213	0.00594	0.000213	mg/kg	02.19.15 20:33	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-18** Matrix: Soil Sample Depth: 6 - 8 ft

Lab Sample Id: 502475-017 Date Collected: 02.13.15 13.00 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 16.01 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.17

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000178	0.00594	0.000178	mg/kg	02.19.15 20:33	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000484	0.00594	0.000484	mg/kg	02.19.15 20:33	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000545	0.00594	0.000545	mg/kg	02.19.15 20:33	U	1
Tetrachloroethylene	127-18-4	<0.000304	0.00594	0.000304	mg/kg	02.19.15 20:33	U	1
Toluene	108-88-3	<0.000549	0.00594	0.000549	mg/kg	02.19.15 20:33	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000516	0.00594	0.000516	mg/kg	02.19.15 20:33	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000288	0.00594	0.000288	mg/kg	02.19.15 20:33	U	1
1,1,2-Trichloroethane	79-00-5	<0.000387	0.00594	0.000387	mg/kg	02.19.15 20:33	U	1
1,1,1-Trichloroethane	71-55-6	<0.000402	0.00594	0.000402	mg/kg	02.19.15 20:33	U	1
Trichloroethene	79-01-6	<0.000389	0.00594	0.000389	mg/kg	02.19.15 20:33	U	1
Trichlorofluoromethane	75-69-4	<0.000577	0.00594	0.000577	mg/kg	02.19.15 20:33	U	1
1,2,3-Trichloropropane	96-18-4	<0.000834	0.00594	0.000834	mg/kg	02.19.15 20:33	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.000134	0.00594	0.000134	mg/kg	02.19.15 20:33	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000472	0.00594	0.000472	mg/kg	02.19.15 20:33	U	1
Vinyl Chloride	75-01-4	<0.000983	0.00238	0.000983	mg/kg	02.19.15 20:33	U	1
o-Xylene	95-47-6	<0.000331	0.00594	0.000331	mg/kg	02.19.15 20:33	U	1
m,p-Xylenes	179601-23-1	<0.000459	0.0119	0.000459	mg/kg	02.19.15 20:33	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	107	53 - 142	%		
1,2-Dichloroethane-D4	100	56 - 150	%		
Toluene-D8	99	70 - 130	%		
4-Bromofluorobenzene	93	68 - 152	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-20** Matrix: Soil Sample Depth: 4 - 6 ft

Lab Sample Id: 502475-018 Date Collected: 02.13.15 09.00 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 16.46 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.18

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000188	0.00600	0.000188	mg/kg	02.19.15 20:59	U	1
Bromobenzene	108-86-1	<0.000526	0.00600	0.000526	mg/kg	02.19.15 20:59	U	1
Bromochloromethane	74-97-5	<0.000570	0.00600	0.000570	mg/kg	02.19.15 20:59	U	1
Bromodichloromethane	75-27-4	<0.000318	0.00600	0.000318	mg/kg	02.19.15 20:59	U	1
Bromoform	75-25-2	<0.000838	0.00600	0.000838	mg/kg	02.19.15 20:59	U	1
Bromomethane	74-83-9	<0.00127	0.00600	0.00127	mg/kg	02.19.15 20:59	U	1
MTBE	1634-04-4	<0.000408	0.00600	0.000408	mg/kg	02.19.15 20:59	U	1
tert-Butylbenzene	98-06-6	<0.000248	0.00600	0.000248	mg/kg	02.19.15 20:59	U	1
Sec-Butylbenzene	135-98-8	<0.000588	0.00600	0.000588	mg/kg	02.19.15 20:59	U	1
n-Butylbenzene	104-51-8	<0.000563	0.00600	0.000563	mg/kg	02.19.15 20:59	U	1
Carbon Tetrachloride	56-23-5	<0.000280	0.00600	0.000280	mg/kg	02.19.15 20:59	U	1
Chlorobenzene	108-90-7	<0.000287	0.00600	0.000287	mg/kg	02.19.15 20:59	U	1
Chloroethane	75-00-3	<0.000658	0.0120	0.000658	mg/kg	02.19.15 20:59	U	1
Chloroform	67-66-3	<0.000351	0.00600	0.000351	mg/kg	02.19.15 20:59	U	1
Chloromethane	74-87-3	<0.000358	0.0120	0.000358	mg/kg	02.19.15 20:59	U	1
2-Chlorotoluene	95-49-8	<0.000471	0.00600	0.000471	mg/kg	02.19.15 20:59	U	1
4-Chlorotoluene	106-43-4	<0.000527	0.00600	0.000527	mg/kg	02.19.15 20:59	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000504	0.00600	0.000504	mg/kg	02.19.15 20:59	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00186	0.00600	0.00186	mg/kg	02.19.15 20:59	U	1
Dibromochloromethane	124-48-1	<0.000567	0.00600	0.000567	mg/kg	02.19.15 20:59	U	1
Dibromomethane	74-95-3	<0.000423	0.00600	0.000423	mg/kg	02.19.15 20:59	U	1
1,2-Dichlorobenzene	95-50-1	<0.000517	0.00600	0.000517	mg/kg	02.19.15 20:59	U	1
1,3-Dichlorobenzene	541-73-1	<0.000445	0.00600	0.000445	mg/kg	02.19.15 20:59	U	1
1,4-Dichlorobenzene	106-46-7	<0.000285	0.00600	0.000285	mg/kg	02.19.15 20:59	U	1
Dichlorodifluoromethane	75-71-8	<0.000510	0.00600	0.000510	mg/kg	02.19.15 20:59	U	1
1,2-Dichloroethane	107-06-2	<0.000421	0.00600	0.000421	mg/kg	02.19.15 20:59	U	1
1,1-Dichloroethane	75-34-3	<0.000241	0.00600	0.000241	mg/kg	02.19.15 20:59	U	1
trans-1,2-dichloroethene	156-60-5	<0.000351	0.00600	0.000351	mg/kg	02.19.15 20:59	U	1
1,2-Dibromoethane	106-93-4	<0.000508	0.00600	0.000508	mg/kg	02.19.15 20:59	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000408	0.00600	0.000408	mg/kg	02.19.15 20:59	U	1
1,1-Dichloroethene	75-35-4	<0.000284	0.00600	0.000284	mg/kg	02.19.15 20:59	U	1
2,2-Dichloropropane	594-20-7	<0.00142	0.00600	0.00142	mg/kg	02.19.15 20:59	U	1
1,3-Dichloropropane	142-28-9	<0.000300	0.00600	0.000300	mg/kg	02.19.15 20:59	U	1
1,2-Dichloropropane	78-87-5	<0.000567	0.00600	0.000567	mg/kg	02.19.15 20:59	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000364	0.00600	0.000364	mg/kg	02.19.15 20:59	U	1
1,1-Dichloropropene	563-58-6	<0.000507	0.00600	0.000507	mg/kg	02.19.15 20:59	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000513	0.00600	0.000513	mg/kg	02.19.15 20:59	U	1
Ethylbenzene	100-41-4	<0.000515	0.00600	0.000515	mg/kg	02.19.15 20:59	U	1
Hexachlorobutadiene	87-68-3	<0.00104	0.00600	0.00104	mg/kg	02.19.15 20:59	U	1
isopropylbenzene	98-82-8	<0.000201	0.00600	0.000201	mg/kg	02.19.15 20:59	U	1
Methylene Chloride	75-09-2	<0.000706	0.0240	0.000706	mg/kg	02.19.15 20:59	U	1
Naphthalene	91-20-3	<0.000325	0.0120	0.000325	mg/kg	02.19.15 20:59	U	1
n-Propylbenzene	103-65-1	<0.000215	0.00600	0.000215	mg/kg	02.19.15 20:59	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-20** Matrix: Soil Sample Depth: 4 - 6 ft

Lab Sample Id: 502475-018 Date Collected: 02.13.15 09.00 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 16.46 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.18

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000180	0.00600	0.000180	mg/kg	02.19.15 20:59	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000488	0.00600	0.000488	mg/kg	02.19.15 20:59	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000550	0.00600	0.000550	mg/kg	02.19.15 20:59	U	1
Tetrachloroethylene	127-18-4	<0.000307	0.00600	0.000307	mg/kg	02.19.15 20:59	U	1
Toluene	108-88-3	<0.000554	0.00600	0.000554	mg/kg	02.19.15 20:59	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000521	0.00600	0.000521	mg/kg	02.19.15 20:59	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000291	0.00600	0.000291	mg/kg	02.19.15 20:59	U	1
1,1,2-Trichloroethane	79-00-5	<0.000391	0.00600	0.000391	mg/kg	02.19.15 20:59	U	1
1,1,1-Trichloroethane	71-55-6	<0.000406	0.00600	0.000406	mg/kg	02.19.15 20:59	U	1
Trichloroethene	79-01-6	<0.000392	0.00600	0.000392	mg/kg	02.19.15 20:59	U	1
Trichlorofluoromethane	75-69-4	<0.000582	0.00600	0.000582	mg/kg	02.19.15 20:59	U	1
1,2,3-Trichloropropane	96-18-4	<0.000841	0.00600	0.000841	mg/kg	02.19.15 20:59	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.000135	0.00600	0.000135	mg/kg	02.19.15 20:59	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000477	0.00600	0.000477	mg/kg	02.19.15 20:59	U	1
Vinyl Chloride	75-01-4	<0.000992	0.00240	0.000992	mg/kg	02.19.15 20:59	U	1
o-Xylene	95-47-6	<0.000334	0.00600	0.000334	mg/kg	02.19.15 20:59	U	1
m,p-Xylenes	179601-23-1	<0.000463	0.0120	0.000463	mg/kg	02.19.15 20:59	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	103	53 - 142	%		
1,2-Dichloroethane-D4	107	56 - 150	%		
Toluene-D8	95	70 - 130	%		
4-Bromofluorobenzene	93	68 - 152	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-21** Matrix: Soil Sample Depth: 14 - 15 ft

Lab Sample Id: 502475-019 Date Collected: 02.13.15 10.30 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 15.43 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.19

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000186	0.00594	0.000186	mg/kg	02.19.15 21:25	U	1
Bromobenzene	108-86-1	<0.000520	0.00594	0.000520	mg/kg	02.19.15 21:25	U	1
Bromochloromethane	74-97-5	<0.000564	0.00594	0.000564	mg/kg	02.19.15 21:25	U	1
Bromodichloromethane	75-27-4	<0.000315	0.00594	0.000315	mg/kg	02.19.15 21:25	U	1
Bromoform	75-25-2	<0.000829	0.00594	0.000829	mg/kg	02.19.15 21:25	U	1
Bromomethane	74-83-9	<0.00125	0.00594	0.00125	mg/kg	02.19.15 21:25	U	1
MTBE	1634-04-4	<0.000404	0.00594	0.000404	mg/kg	02.19.15 21:25	U	1
tert-Butylbenzene	98-06-6	<0.000245	0.00594	0.000245	mg/kg	02.19.15 21:25	U	1
Sec-Butylbenzene	135-98-8	<0.000582	0.00594	0.000582	mg/kg	02.19.15 21:25	U	1
n-Butylbenzene	104-51-8	<0.000558	0.00594	0.000558	mg/kg	02.19.15 21:25	U	1
Carbon Tetrachloride	56-23-5	<0.000277	0.00594	0.000277	mg/kg	02.19.15 21:25	U	1
Chlorobenzene	108-90-7	<0.000284	0.00594	0.000284	mg/kg	02.19.15 21:25	U	1
Chloroethane	75-00-3	<0.000651	0.0119	0.000651	mg/kg	02.19.15 21:25	U	1
Chloroform	67-66-3	<0.000347	0.00594	0.000347	mg/kg	02.19.15 21:25	U	1
Chloromethane	74-87-3	<0.000354	0.0119	0.000354	mg/kg	02.19.15 21:25	U	1
2-Chlorotoluene	95-49-8	<0.000466	0.00594	0.000466	mg/kg	02.19.15 21:25	U	1
4-Chlorotoluene	106-43-4	<0.000521	0.00594	0.000521	mg/kg	02.19.15 21:25	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000499	0.00594	0.000499	mg/kg	02.19.15 21:25	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00184	0.00594	0.00184	mg/kg	02.19.15 21:25	U	1
Dibromochloromethane	124-48-1	<0.000561	0.00594	0.000561	mg/kg	02.19.15 21:25	U	1
Dibromomethane	74-95-3	<0.000418	0.00594	0.000418	mg/kg	02.19.15 21:25	U	1
1,2-Dichlorobenzene	95-50-1	<0.000512	0.00594	0.000512	mg/kg	02.19.15 21:25	U	1
1,3-Dichlorobenzene	541-73-1	<0.000441	0.00594	0.000441	mg/kg	02.19.15 21:25	U	1
1,4-Dichlorobenzene	106-46-7	<0.000282	0.00594	0.000282	mg/kg	02.19.15 21:25	U	1
Dichlorodifluoromethane	75-71-8	<0.000505	0.00594	0.000505	mg/kg	02.19.15 21:25	U	1
1,2-Dichloroethane	107-06-2	<0.000416	0.00594	0.000416	mg/kg	02.19.15 21:25	U	1
1,1-Dichloroethane	75-34-3	<0.000239	0.00594	0.000239	mg/kg	02.19.15 21:25	U	1
1,2-Dibromoethane	106-93-4	<0.000503	0.00594	0.000503	mg/kg	02.19.15 21:25	U	1
trans-1,2-dichloroethene	156-60-5	<0.000347	0.00594	0.000347	mg/kg	02.19.15 21:25	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000404	0.00594	0.000404	mg/kg	02.19.15 21:25	U	1
1,1-Dichloroethene	75-35-4	<0.000281	0.00594	0.000281	mg/kg	02.19.15 21:25	U	1
2,2-Dichloropropane	594-20-7	<0.00140	0.00594	0.00140	mg/kg	02.19.15 21:25	U	1
1,3-Dichloropropane	142-28-9	<0.000297	0.00594	0.000297	mg/kg	02.19.15 21:25	U	1
1,2-Dichloropropane	78-87-5	<0.000561	0.00594	0.000561	mg/kg	02.19.15 21:25	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000360	0.00594	0.000360	mg/kg	02.19.15 21:25	U	1
1,1-Dichloropropene	563-58-6	<0.000502	0.00594	0.000502	mg/kg	02.19.15 21:25	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000508	0.00594	0.000508	mg/kg	02.19.15 21:25	U	1
Ethylbenzene	100-41-4	<0.000510	0.00594	0.000510	mg/kg	02.19.15 21:25	U	1
Hexachlorobutadiene	87-68-3	<0.00102	0.00594	0.00102	mg/kg	02.19.15 21:25	U	1
isopropylbenzene	98-82-8	<0.000199	0.00594	0.000199	mg/kg	02.19.15 21:25	U	1
Methylene Chloride	75-09-2	<0.000699	0.0237	0.000699	mg/kg	02.19.15 21:25	U	1
Naphthalene	91-20-3	<0.000322	0.0119	0.000322	mg/kg	02.19.15 21:25	U	1
n-Propylbenzene	103-65-1	<0.000213	0.00594	0.000213	mg/kg	02.19.15 21:25	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**EB-21**	Matrix:	Soil	Sample Depth:	14 - 15 ft
Lab Sample Id:	502475-019	Date Collected:	02.13.15 10.30	Date Received:	02.16.15 14.40
Analytical Method:	VOAs by SW-846 8260			Prep Method:	5030B
Analyst:	MCH	% Moist:	15.43	Tech:	MCH
Seq Number:	962371	Date Prep:	02.19.15 12.19		
		Prep seq:	688859		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000178	0.00594	0.000178	mg/kg	02.19.15 21:25	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000483	0.00594	0.000483	mg/kg	02.19.15 21:25	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000545	0.00594	0.000545	mg/kg	02.19.15 21:25	U	1
Tetrachloroethylene	127-18-4	<0.000304	0.00594	0.000304	mg/kg	02.19.15 21:25	U	1
Toluene	108-88-3	<0.000548	0.00594	0.000548	mg/kg	02.19.15 21:25	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000515	0.00594	0.000515	mg/kg	02.19.15 21:25	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000288	0.00594	0.000288	mg/kg	02.19.15 21:25	U	1
1,1,2-Trichloroethane	79-00-5	<0.000387	0.00594	0.000387	mg/kg	02.19.15 21:25	U	1
1,1,1-Trichloroethane	71-55-6	<0.000402	0.00594	0.000402	mg/kg	02.19.15 21:25	U	1
Trichloroethene	79-01-6	<0.000388	0.00594	0.000388	mg/kg	02.19.15 21:25	U	1
Trichlorofluoromethane	75-69-4	<0.000576	0.00594	0.000576	mg/kg	02.19.15 21:25	U	1
1,2,3-Trichloropropane	96-18-4	<0.000833	0.00594	0.000833	mg/kg	02.19.15 21:25	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.000134	0.00594	0.000134	mg/kg	02.19.15 21:25	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000472	0.00594	0.000472	mg/kg	02.19.15 21:25	U	1
Vinyl Chloride	75-01-4	<0.000982	0.00237	0.000982	mg/kg	02.19.15 21:25	U	1
o-Xylene	95-47-6	<0.000331	0.00594	0.000331	mg/kg	02.19.15 21:25	U	1
m,p-Xylenes	179601-23-1	<0.000458	0.0119	0.000458	mg/kg	02.19.15 21:25	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	100	53 - 142	%		
1,2-Dichloroethane-D4	106	56 - 150	%		
Toluene-D8	100	70 - 130	%		
4-Bromofluorobenzene	96	68 - 152	%		

Final 1.000

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-22B** Matrix: Soil Sample Depth: 10 - 12 ft

Lab Sample Id: 502475-020 Date Collected: 02.12.15 13.00 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 18.74 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.20

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000193	0.00614	0.000193	mg/kg	02.19.15 21:50	U	1
Bromobenzene	108-86-1	<0.000538	0.00614	0.000538	mg/kg	02.19.15 21:50	U	1
Bromochloromethane	74-97-5	<0.000583	0.00614	0.000583	mg/kg	02.19.15 21:50	U	1
Bromodichloromethane	75-27-4	<0.000326	0.00614	0.000326	mg/kg	02.19.15 21:50	U	1
Bromoform	75-25-2	<0.000858	0.00614	0.000858	mg/kg	02.19.15 21:50	U	1
Bromomethane	74-83-9	<0.00130	0.00614	0.00130	mg/kg	02.19.15 21:50	U	1
MTBE	1634-04-4	<0.000418	0.00614	0.000418	mg/kg	02.19.15 21:50	U	1
tert-Butylbenzene	98-06-6	<0.000254	0.00614	0.000254	mg/kg	02.19.15 21:50	U	1
Sec-Butylbenzene	135-98-8	<0.000602	0.00614	0.000602	mg/kg	02.19.15 21:50	U	1
n-Butylbenzene	104-51-8	<0.000577	0.00614	0.000577	mg/kg	02.19.15 21:50	U	1
Carbon Tetrachloride	56-23-5	<0.000287	0.00614	0.000287	mg/kg	02.19.15 21:50	U	1
Chlorobenzene	108-90-7	<0.000294	0.00614	0.000294	mg/kg	02.19.15 21:50	U	1
Chloroethane	75-00-3	<0.000674	0.0123	0.000674	mg/kg	02.19.15 21:50	U	1
Chloroform	67-66-3	<0.000359	0.00614	0.000359	mg/kg	02.19.15 21:50	U	1
Chloromethane	74-87-3	<0.000367	0.0123	0.000367	mg/kg	02.19.15 21:50	U	1
2-Chlorotoluene	95-49-8	<0.000482	0.00614	0.000482	mg/kg	02.19.15 21:50	U	1
4-Chlorotoluene	106-43-4	<0.000539	0.00614	0.000539	mg/kg	02.19.15 21:50	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000516	0.00614	0.000516	mg/kg	02.19.15 21:50	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00191	0.00614	0.00191	mg/kg	02.19.15 21:50	U	1
Dibromochloromethane	124-48-1	<0.000581	0.00614	0.000581	mg/kg	02.19.15 21:50	U	1
Dibromomethane	74-95-3	<0.000433	0.00614	0.000433	mg/kg	02.19.15 21:50	U	1
1,2-Dichlorobenzene	95-50-1	<0.000529	0.00614	0.000529	mg/kg	02.19.15 21:50	U	1
1,3-Dichlorobenzene	541-73-1	<0.000456	0.00614	0.000456	mg/kg	02.19.15 21:50	U	1
1,4-Dichlorobenzene	106-46-7	<0.000292	0.00614	0.000292	mg/kg	02.19.15 21:50	U	1
Dichlorodifluoromethane	75-71-8	<0.000523	0.00614	0.000523	mg/kg	02.19.15 21:50	U	1
1,2-Dichloroethane	107-06-2	<0.000431	0.00614	0.000431	mg/kg	02.19.15 21:50	U	1
1,1-Dichloroethane	75-34-3	<0.000247	0.00614	0.000247	mg/kg	02.19.15 21:50	U	1
trans-1,2-dichloroethene	156-60-5	<0.000359	0.00614	0.000359	mg/kg	02.19.15 21:50	U	1
1,2-Dibromoethane	106-93-4	<0.000520	0.00614	0.000520	mg/kg	02.19.15 21:50	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000418	0.00614	0.000418	mg/kg	02.19.15 21:50	U	1
1,1-Dichloroethene	75-35-4	<0.000291	0.00614	0.000291	mg/kg	02.19.15 21:50	U	1
2,2-Dichloropropane	594-20-7	<0.00145	0.00614	0.00145	mg/kg	02.19.15 21:50	U	1
1,3-Dichloropropane	142-28-9	<0.000307	0.00614	0.000307	mg/kg	02.19.15 21:50	U	1
1,2-Dichloropropane	78-87-5	<0.000580	0.00614	0.000580	mg/kg	02.19.15 21:50	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000373	0.00614	0.000373	mg/kg	02.19.15 21:50	U	1
1,1-Dichloropropene	563-58-6	<0.000520	0.00614	0.000520	mg/kg	02.19.15 21:50	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000525	0.00614	0.000525	mg/kg	02.19.15 21:50	U	1
Ethylbenzene	100-41-4	<0.000528	0.00614	0.000528	mg/kg	02.19.15 21:50	U	1
Hexachlorobutadiene	87-68-3	<0.00106	0.00614	0.00106	mg/kg	02.19.15 21:50	U	1
isopropylbenzene	98-82-8	<0.000205	0.00614	0.000205	mg/kg	02.19.15 21:50	U	1
Methylene Chloride	75-09-2	<0.000723	0.0246	0.000723	mg/kg	02.19.15 21:50	U	1
Naphthalene	91-20-3	<0.000333	0.0123	0.000333	mg/kg	02.19.15 21:50	U	1
n-Propylbenzene	103-65-1	<0.000220	0.00614	0.000220	mg/kg	02.19.15 21:50	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-22B** Matrix: Soil Sample Depth: 10 - 12 ft

Lab Sample Id: 502475-020 Date Collected: 02.12.15 13.00 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 18.74 Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 12.20

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000184	0.00614	0.000184	mg/kg	02.19.15 21:50	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000500	0.00614	0.000500	mg/kg	02.19.15 21:50	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000563	0.00614	0.000563	mg/kg	02.19.15 21:50	U	1
Tetrachloroethylene	127-18-4	<0.000314	0.00614	0.000314	mg/kg	02.19.15 21:50	U	1
Toluene	108-88-3	<0.000567	0.00614	0.000567	mg/kg	02.19.15 21:50	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000533	0.00614	0.000533	mg/kg	02.19.15 21:50	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000298	0.00614	0.000298	mg/kg	02.19.15 21:50	U	1
1,1,2-Trichloroethane	79-00-5	<0.000400	0.00614	0.000400	mg/kg	02.19.15 21:50	U	1
1,1,1-Trichloroethane	71-55-6	<0.000416	0.00614	0.000416	mg/kg	02.19.15 21:50	U	1
Trichloroethene	79-01-6	<0.000402	0.00614	0.000402	mg/kg	02.19.15 21:50	U	1
Trichlorofluoromethane	75-69-4	<0.000596	0.00614	0.000596	mg/kg	02.19.15 21:50	U	1
1,2,3-Trichloropropane	96-18-4	<0.000862	0.00614	0.000862	mg/kg	02.19.15 21:50	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.000139	0.00614	0.000139	mg/kg	02.19.15 21:50	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000488	0.00614	0.000488	mg/kg	02.19.15 21:50	U	1
Vinyl Chloride	75-01-4	<0.00102	0.00246	0.00102	mg/kg	02.19.15 21:50	U	1
o-Xylene	95-47-6	<0.000342	0.00614	0.000342	mg/kg	02.19.15 21:50	U	1
m,p-Xylenes	179601-23-1	<0.000474	0.0123	0.000474	mg/kg	02.19.15 21:50	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	107	53 - 142	%		
1,2-Dichloroethane-D4	107	56 - 150	%		
Toluene-D8	99	70 - 130	%		
4-Bromofluorobenzene	92	68 - 152	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-23A** Matrix: Soil Sample Depth: 18 - 20 ft

Lab Sample Id: 502475-021 Date Collected: 02.12.15 14.00 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 26 Tech: MCH

Seq Number: 962382 Date Prep: 02.20.15 12.00

Prep seq: 688860

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000212	0.00677	0.000212	mg/kg	02.20.15 16:18	U	1
Bromobenzene	108-86-1	<0.000593	0.00677	0.000593	mg/kg	02.20.15 16:18	UXF	1
Bromochloromethane	74-97-5	<0.000643	0.00677	0.000643	mg/kg	02.20.15 16:18	U	1
Bromodichloromethane	75-27-4	<0.000359	0.00677	0.000359	mg/kg	02.20.15 16:18	UXF	1
Bromoform	75-25-2	<0.000946	0.00677	0.000946	mg/kg	02.20.15 16:18	UXF	1
Bromomethane	74-83-9	<0.00143	0.00677	0.00143	mg/kg	02.20.15 16:18	U	1
MTBE	1634-04-4	<0.000461	0.00677	0.000461	mg/kg	02.20.15 16:18	UXF	1
tert-Butylbenzene	98-06-6	<0.000280	0.00677	0.000280	mg/kg	02.20.15 16:18	U	1
Sec-Butylbenzene	135-98-8	<0.000664	0.00677	0.000664	mg/kg	02.20.15 16:18	U	1
n-Butylbenzene	104-51-8	<0.000636	0.00677	0.000636	mg/kg	02.20.15 16:18	U	1
Carbon Tetrachloride	56-23-5	<0.000316	0.00677	0.000316	mg/kg	02.20.15 16:18	U	1
Chlorobenzene	108-90-7	<0.000324	0.00677	0.000324	mg/kg	02.20.15 16:18	U	1
Chloroethane	75-00-3	<0.000743	0.0135	0.000743	mg/kg	02.20.15 16:18	U	1
Chloroform	67-66-3	<0.000396	0.00677	0.000396	mg/kg	02.20.15 16:18	U	1
Chloromethane	74-87-3	<0.000404	0.0135	0.000404	mg/kg	02.20.15 16:18	U	1
2-Chlorotoluene	95-49-8	<0.000531	0.00677	0.000531	mg/kg	02.20.15 16:18	UF	1
4-Chlorotoluene	106-43-4	<0.000595	0.00677	0.000595	mg/kg	02.20.15 16:18	UXF	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000569	0.00677	0.000569	mg/kg	02.20.15 16:18	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00210	0.00677	0.00210	mg/kg	02.20.15 16:18	UXF	1
Dibromochloromethane	124-48-1	<0.000640	0.00677	0.000640	mg/kg	02.20.15 16:18	UXF	1
Dibromomethane	74-95-3	<0.000477	0.00677	0.000477	mg/kg	02.20.15 16:18	UXF	1
1,2-Dichlorobenzene	95-50-1	<0.000584	0.00677	0.000584	mg/kg	02.20.15 16:18	UXF	1
1,3-Dichlorobenzene	541-73-1	<0.000503	0.00677	0.000503	mg/kg	02.20.15 16:18	UXF	1
1,4-Dichlorobenzene	106-46-7	<0.000322	0.00677	0.000322	mg/kg	02.20.15 16:18	UXF	1
Dichlorodifluoromethane	75-71-8	<0.000576	0.00677	0.000576	mg/kg	02.20.15 16:18	U	1
1,2-Dichloroethane	107-06-2	<0.000475	0.00677	0.000475	mg/kg	02.20.15 16:18	UXF	1
1,1-Dichloroethane	75-34-3	<0.000272	0.00677	0.000272	mg/kg	02.20.15 16:18	U	1
trans-1,2-dichloroethene	156-60-5	<0.000396	0.00677	0.000396	mg/kg	02.20.15 16:18	U	1
1,2-Dibromoethane	106-93-4	<0.000573	0.00677	0.000573	mg/kg	02.20.15 16:18	UXF	1
cis-1,2-Dichloroethene	156-59-2	<0.000461	0.00677	0.000461	mg/kg	02.20.15 16:18	U	1
1,1-Dichloroethene	75-35-4	<0.000321	0.00677	0.000321	mg/kg	02.20.15 16:18	U	1
2,2-Dichloropropane	594-20-7	<0.00160	0.00677	0.00160	mg/kg	02.20.15 16:18	U	1
1,3-Dichloropropane	142-28-9	<0.000338	0.00677	0.000338	mg/kg	02.20.15 16:18	UXF	1
1,2-Dichloropropane	78-87-5	<0.000640	0.00677	0.000640	mg/kg	02.20.15 16:18	UXF	1
trans-1,3-dichloropropene	10061-02-6	<0.000411	0.00677	0.000411	mg/kg	02.20.15 16:18	UXF	1
1,1-Dichloropropene	563-58-6	<0.000573	0.00677	0.000573	mg/kg	02.20.15 16:18	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000579	0.00677	0.000579	mg/kg	02.20.15 16:18	UXF	1
Ethylbenzene	100-41-4	<0.000582	0.00677	0.000582	mg/kg	02.20.15 16:18	U	1
Hexachlorobutadiene	87-68-3	<0.00117	0.00677	0.00117	mg/kg	02.20.15 16:18	U	1
isopropylbenzene	98-82-8	<0.000227	0.00677	0.000227	mg/kg	02.20.15 16:18	U	1
Methylene Chloride	75-09-2	<0.000797	0.0271	0.000797	mg/kg	02.20.15 16:18	UX	1
Naphthalene	91-20-3	<0.000367	0.0135	0.000367	mg/kg	02.20.15 16:18	UXF	1
n-Propylbenzene	103-65-1	<0.000243	0.00677	0.000243	mg/kg	02.20.15 16:18	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**EB-23A**	Matrix:	Soil	Sample Depth:	18 - 20 ft
Lab Sample Id:	502475-021	Date Collected:	02.12.15 14.00	Date Received:	02.16.15 14.40
Analytical Method:	VOAs by SW-846 8260			Prep Method:	5030B
Analyst:	MCH	% Moist:	26	Tech:	MCH
Seq Number:	962382	Date Prep:	02.20.15 12.00		
		Prep seq:	688860		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000203	0.00677	0.000203	mg/kg	02.20.15 16:18	UF	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000551	0.00677	0.000551	mg/kg	02.20.15 16:18	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000621	0.00677	0.000621	mg/kg	02.20.15 16:18	UXF	1
Tetrachloroethylene	127-18-4	<0.000347	0.00677	0.000347	mg/kg	02.20.15 16:18	U	1
Toluene	108-88-3	**0.000853**	0.00677	0.000625	mg/kg	02.20.15 16:18	J	1
1,2,4-Trichlorobenzene	120-82-1	<0.000588	0.00677	0.000588	mg/kg	02.20.15 16:18	UXF	1
1,2,3-Trichlorobenzene	87-61-6	<0.000329	0.00677	0.000329	mg/kg	02.20.15 16:18	UXF	1
1,1,2-Trichloroethane	79-00-5	<0.000441	0.00677	0.000441	mg/kg	02.20.15 16:18	UXF	1
1,1,1-Trichloroethane	71-55-6	<0.000459	0.00677	0.000459	mg/kg	02.20.15 16:18	U	1
Trichloroethene	79-01-6	<0.000443	0.00677	0.000443	mg/kg	02.20.15 16:18	U	1
Trichlorofluoromethane	75-69-4	<0.000657	0.00677	0.000657	mg/kg	02.20.15 16:18	U	1
1,2,3-Trichloropropane	96-18-4	<0.000950	0.00677	0.000950	mg/kg	02.20.15 16:18	UXF	1
1,2,4-Trimethylbenzene	95-63-6	<0.000153	0.00677	0.000153	mg/kg	02.20.15 16:18	UF	1
1,3,5-trimethylbenzene	108-67-8	<0.000538	0.00677	0.000538	mg/kg	02.20.15 16:18	U	1
Vinyl Chloride	75-01-4	<0.00112	0.00271	0.00112	mg/kg	02.20.15 16:18	U	1
o-Xylene	95-47-6	<0.000377	0.00677	0.000377	mg/kg	02.20.15 16:18	U	1
m,p-Xylenes	179601-23-1	<0.000523	0.0135	0.000523	mg/kg	02.20.15 16:18	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	102	53 - 142	%		
1,2-Dichloroethane-D4	95	56 - 150	%		
Toluene-D8	102	70 - 130	%		
4-Bromofluorobenzene	99	68 - 152	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-24** Matrix: Soil Sample Depth: 6 - 8 ft

Lab Sample Id: 502475-022 Date Collected: 02.12.15 14.45 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 19.21 Tech: MCH

Seq Number: 962483 Date Prep: 02.23.15 11.30

Prep seq: 688929

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000390	0.0124	0.000390	mg/kg	02.23.15 13:24	U	2
Bromobenzene	108-86-1	<0.00109	0.0124	0.00109	mg/kg	02.23.15 13:24	U	2
Bromochloromethane	74-97-5	<0.00118	0.0124	0.00118	mg/kg	02.23.15 13:24	U	2
Bromodichloromethane	75-27-4	<0.000660	0.0124	0.000660	mg/kg	02.23.15 13:24	U	2
Bromoform	75-25-2	<0.00174	0.0124	0.00174	mg/kg	02.23.15 13:24	U	2
Bromomethane	74-83-9	<0.00263	0.0124	0.00263	mg/kg	02.23.15 13:24	U	2
MTBE	1634-04-4	<0.000845	0.0124	0.000845	mg/kg	02.23.15 13:24	U	2
tert-Butylbenzene	98-06-6	<0.000513	0.0124	0.000513	mg/kg	02.23.15 13:24	U	2
Sec-Butylbenzene	135-98-8	<0.00122	0.0124	0.00122	mg/kg	02.23.15 13:24	U	2
n-Butylbenzene	104-51-8	<0.00117	0.0124	0.00117	mg/kg	02.23.15 13:24	U	2
Carbon Tetrachloride	56-23-5	<0.000581	0.0124	0.000581	mg/kg	02.23.15 13:24	U	2
Chlorobenzene	108-90-7	<0.000594	0.0124	0.000594	mg/kg	02.23.15 13:24	U	2
Chloroethane	75-00-3	<0.00136	0.0249	0.00136	mg/kg	02.23.15 13:24	U	2
Chloroform	67-66-3	<0.000727	0.0124	0.000727	mg/kg	02.23.15 13:24	U	2
Chloromethane	74-87-3	<0.000742	0.0249	0.000742	mg/kg	02.23.15 13:24	U	2
2-Chlorotoluene	95-49-8	<0.000975	0.0124	0.000975	mg/kg	02.23.15 13:24	U	2
4-Chlorotoluene	106-43-4	<0.00109	0.0124	0.00109	mg/kg	02.23.15 13:24	U	2
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.00104	0.0124	0.00104	mg/kg	02.23.15 13:24	U	2
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00386	0.0124	0.00386	mg/kg	02.23.15 13:24	U	2
Dibromochloromethane	124-48-1	<0.00117	0.0124	0.00117	mg/kg	02.23.15 13:24	U	2
Dibromomethane	74-95-3	<0.000876	0.0124	0.000876	mg/kg	02.23.15 13:24	U	2
1,2-Dichlorobenzene	95-50-1	<0.00107	0.0124	0.00107	mg/kg	02.23.15 13:24	U	2
1,3-Dichlorobenzene	541-73-1	<0.000923	0.0124	0.000923	mg/kg	02.23.15 13:24	U	2
1,4-Dichlorobenzene	106-46-7	<0.000591	0.0124	0.000591	mg/kg	02.23.15 13:24	U	2
Dichlorodifluoromethane	75-71-8	<0.00106	0.0124	0.00106	mg/kg	02.23.15 13:24	U	2
1,2-Dichloroethane	107-06-2	<0.000872	0.0124	0.000872	mg/kg	02.23.15 13:24	U	2
1,1-Dichloroethane	75-34-3	<0.000500	0.0124	0.000500	mg/kg	02.23.15 13:24	U	2
1,2-Dibromoethane	106-93-4	<0.00105	0.0124	0.00105	mg/kg	02.23.15 13:24	U	2
trans-1,2-dichloroethene	156-60-5	<0.000727	0.0124	0.000727	mg/kg	02.23.15 13:24	U	2
cis-1,2-Dichloroethene	156-59-2	<0.000845	0.0124	0.000845	mg/kg	02.23.15 13:24	U	2
1,1-Dichloroethene	75-35-4	<0.000589	0.0124	0.000589	mg/kg	02.23.15 13:24	U	2
2,2-Dichloropropane	594-20-7	<0.00294	0.0124	0.00294	mg/kg	02.23.15 13:24	U	2
1,3-Dichloropropane	142-28-9	<0.000621	0.0124	0.000621	mg/kg	02.23.15 13:24	U	2
1,2-Dichloropropane	78-87-5	<0.00117	0.0124	0.00117	mg/kg	02.23.15 13:24	U	2
trans-1,3-dichloropropene	10061-02-6	<0.000754	0.0124	0.000754	mg/kg	02.23.15 13:24	U	2
1,1-Dichloropropene	563-58-6	<0.00105	0.0124	0.00105	mg/kg	02.23.15 13:24	U	2
cis-1,3-Dichloropropene	10061-01-5	<0.00106	0.0124	0.00106	mg/kg	02.23.15 13:24	U	2
Ethylbenzene	100-41-4	<0.00107	0.0124	0.00107	mg/kg	02.23.15 13:24	U	2
Hexachlorobutadiene	87-68-3	<0.00215	0.0124	0.00215	mg/kg	02.23.15 13:24	U	2
isopropylbenzene	98-82-8	<0.000416	0.0124	0.000416	mg/kg	02.23.15 13:24	U	2
Methylene Chloride	75-09-2	<0.00146	0.0497	0.00146	mg/kg	02.23.15 13:24	U	2
Naphthalene	91-20-3	<0.000674	0.0249	0.000674	mg/kg	02.23.15 13:24	U	2
n-Propylbenzene	103-65-1	<0.000445	0.0124	0.000445	mg/kg	02.23.15 13:24	U	2

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**EB-24**	Matrix:	Soil	Sample Depth:	6 - 8 ft
Lab Sample Id:	502475-022	Date Collected:	02.12.15 14.45	Date Received:	02.16.15 14.40
Analytical Method:	VOAs by SW-846 8260			Prep Method:	5030B
Analyst:	MCH	% Moist:	19.21	Tech:	MCH
Seq Number:	962483	Date Prep:	02.23.15 11.30		
		Prep seq:	688929		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000373	0.0124	0.000373	mg/kg	02.23.15 13:24	U	2
1,1,1,2-Tetrachloroethane	630-20-6	<0.00101	0.0124	0.00101	mg/kg	02.23.15 13:24	U	2
1,1,2,2-Tetrachloroethane	79-34-5	<0.00114	0.0124	0.00114	mg/kg	02.23.15 13:24	U	2
Tetrachloroethylene	127-18-4	<0.000636	0.0124	0.000636	mg/kg	02.23.15 13:24	U	2
Toluene	108-88-3	<0.00115	0.0124	0.00115	mg/kg	02.23.15 13:24	U	2
1,2,4-Trichlorobenzene	120-82-1	<0.00108	0.0124	0.00108	mg/kg	02.23.15 13:24	U	2
1,2,3-Trichlorobenzene	87-61-6	<0.000603	0.0124	0.000603	mg/kg	02.23.15 13:24	U	2
1,1,2-Trichloroethane	79-00-5	<0.000809	0.0124	0.000809	mg/kg	02.23.15 13:24	U	2
1,1,1-Trichloroethane	71-55-6	<0.000842	0.0124	0.000842	mg/kg	02.23.15 13:24	U	2
Trichloroethene	79-01-6	<0.000813	0.0124	0.000813	mg/kg	02.23.15 13:24	U	2
Trichlorofluoromethane	75-69-4	<0.00121	0.0124	0.00121	mg/kg	02.23.15 13:24	U	2
1,2,3-Trichloropropane	96-18-4	<0.00174	0.0124	0.00174	mg/kg	02.23.15 13:24	U	2
1,2,4-Trimethylbenzene	95-63-6	**0.000298**	0.0124	0.000281	mg/kg	02.23.15 13:24	J	2
1,3,5-trimethylbenzene	108-67-8	<0.000988	0.0124	0.000988	mg/kg	02.23.15 13:24	U	2
Vinyl Chloride	75-01-4	<0.00206	0.00497	0.00206	mg/kg	02.23.15 13:24	U	2
o-Xylene	95-47-6	<0.000692	0.0124	0.000692	mg/kg	02.23.15 13:24	U	2
m,p-Xylenes	179601-23-1	<0.000960	0.0249	0.000960	mg/kg	02.23.15 13:24	U	2

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	98	53 - 142	%		
1,2-Dichloroethane-D4	103	56 - 150	%		
Toluene-D8	98	70 - 130	%		
4-Bromofluorobenzene	98	68 - 152	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-8** Matrix: Water Sample Depth:

Lab Sample Id: 502475-024 Date Collected: 02.12.15 00.00 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: Tech: MCH

Seq Number: 962414 Date Prep: 02.20.15 16.36

Prep seq: 688863

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000204	0.00500	0.000204	mg/L	02.20.15 20:24	U	1
Bromobenzene	108-86-1	<0.000324	0.00500	0.000324	mg/L	02.20.15 20:24	U	1
Bromochloromethane	74-97-5	<0.000562	0.00500	0.000562	mg/L	02.20.15 20:24	U	1
Bromodichloromethane	75-27-4	<0.000242	0.00500	0.000242	mg/L	02.20.15 20:24	U	1
Bromoform	75-25-2	<0.000848	0.00500	0.000848	mg/L	02.20.15 20:24	U	1
Bromomethane	74-83-9	<0.000450	0.00500	0.000450	mg/L	02.20.15 20:24	U	1
MTBE	1634-04-4	<0.00122	0.00500	0.00122	mg/L	02.20.15 20:24	U	1
tert-Butylbenzene	98-06-6	<0.000178	0.00500	0.000178	mg/L	02.20.15 20:24	U	1
Sec-Butylbenzene	135-98-8	<0.000101	0.00500	0.000101	mg/L	02.20.15 20:24	U	1
n-Butylbenzene	104-51-8	<0.0000832	0.00500	0.0000832	mg/L	02.20.15 20:24	U	1
Carbon Tetrachloride	56-23-5	<0.000279	0.00500	0.000279	mg/L	02.20.15 20:24	U	1
Chlorobenzene	108-90-7	<0.000223	0.00500	0.000223	mg/L	02.20.15 20:24	U	1
Chloroethane	75-00-3	<0.000253	0.0100	0.000253	mg/L	02.20.15 20:24	U	1
Chloroform	67-66-3	<0.000241	0.00500	0.000241	mg/L	02.20.15 20:24	U	1
Chloromethane	74-87-3	<0.000465	0.0100	0.000465	mg/L	02.20.15 20:24	U	1
2-Chlorotoluene	95-49-8	<0.000143	0.00500	0.000143	mg/L	02.20.15 20:24	U	1
4-Chlorotoluene	106-43-4	<0.000174	0.00500	0.000174	mg/L	02.20.15 20:24	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000577	0.00500	0.000577	mg/L	02.20.15 20:24	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00160	0.00500	0.00160	mg/L	02.20.15 20:24	U	1
Dibromochloromethane	124-48-1	<0.000452	0.00500	0.000452	mg/L	02.20.15 20:24	U	1
Dibromomethane	74-95-3	<0.000411	0.00500	0.000411	mg/L	02.20.15 20:24	U	1
1,2-Dichlorobenzene	95-50-1	<0.000286	0.00500	0.000286	mg/L	02.20.15 20:24	U	1
1,3-Dichlorobenzene	541-73-1	<0.000417	0.00500	0.000417	mg/L	02.20.15 20:24	U	1
1,4-Dichlorobenzene	106-46-7	<0.000198	0.00500	0.000198	mg/L	02.20.15 20:24	U	1
Dichlorodifluoromethane	75-71-8	<0.000311	0.00500	0.000311	mg/L	02.20.15 20:24	U	1
1,2-Dichloroethane	107-06-2	<0.000158	0.00500	0.000158	mg/L	02.20.15 20:24	U	1
1,1-Dichloroethane	75-34-3	<0.000158	0.00500	0.000158	mg/L	02.20.15 20:24	U	1
trans-1,2-dichloroethene	156-60-5	<0.000269	0.00500	0.000269	mg/L	02.20.15 20:24	U	1
1,2-Dibromoethane	106-93-4	<0.000494	0.00500	0.000494	mg/L	02.20.15 20:24	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000447	0.00500	0.000447	mg/L	02.20.15 20:24	U	1
1,1-Dichloroethene	75-35-4	<0.000272	0.00500	0.000272	mg/L	02.20.15 20:24	U	1
2,2-Dichloropropane	594-20-7	<0.000453	0.00500	0.000453	mg/L	02.20.15 20:24	U	1
1,3-Dichloropropane	142-28-9	<0.000475	0.00500	0.000475	mg/L	02.20.15 20:24	U	1
1,2-Dichloropropane	78-87-5	<0.000474	0.00500	0.000474	mg/L	02.20.15 20:24	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000291	0.00500	0.000291	mg/L	02.20.15 20:24	U	1
1,1-Dichloropropene	563-58-6	<0.000227	0.00500	0.000227	mg/L	02.20.15 20:24	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000380	0.00500	0.000380	mg/L	02.20.15 20:24	U	1
Ethylbenzene	100-41-4	<0.000221	0.00500	0.000221	mg/L	02.20.15 20:24	U	1
Hexachlorobutadiene	87-68-3	<0.000456	0.00500	0.000456	mg/L	02.20.15 20:24	U	1
isopropylbenzene	98-82-8	<0.0000915	0.00500	0.0000915	mg/L	02.20.15 20:24	U	1
Naphthalene	91-20-3	<0.000182	0.0100	0.000182	mg/L	02.20.15 20:24	U	1
n-Propylbenzene	103-65-1	<0.000167	0.00500	0.000167	mg/L	02.20.15 20:24	U	1
Styrene	100-42-5	<0.000153	0.00500	0.000153	mg/L	02.20.15 20:24	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-8** | Matrix: Water | Sample Depth:

Lab Sample Id: 502475-024 | Date Collected: 02.12.15 00.00 | Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 | Prep Method: 5030B

Analyst: MCH | % Moist: | Tech: MCH

Seq Number: 962414 | Date Prep: 02.20.15 16.36

Prep seq: 688863

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
1,1,1,2-Tetrachloroethane	630-20-6	<0.000276	0.00500	0.000276	mg/L	02.20.15 20:24	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000321	0.00500	0.000321	mg/L	02.20.15 20:24	U	1
Toluene	108-88-3	**0.000270**	0.00500	0.000268	mg/L	02.20.15 20:24	J	1
1,2,4-Trichlorobenzene	120-82-1	<0.000207	0.00500	0.000207	mg/L	02.20.15 20:24	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000272	0.00500	0.000272	mg/L	02.20.15 20:24	U	1
1,1,2-Trichloroethane	79-00-5	<0.000461	0.00500	0.000461	mg/L	02.20.15 20:24	U	1
1,1,1-Trichloroethane	71-55-6	<0.000213	0.00500	0.000213	mg/L	02.20.15 20:24	U	1
Trichloroethene	79-01-6	<0.000383	0.00500	0.000383	mg/L	02.20.15 20:24	U	1
Trichlorofluoromethane	75-69-4	<0.000419	0.00500	0.000419	mg/L	02.20.15 20:24	U	1
1,2,3-Trichloropropane	96-18-4	<0.000214	0.00500	0.000214	mg/L	02.20.15 20:24	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.0000719	0.00500	0.0000719	mg/L	02.20.15 20:24	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000134	0.00500	0.000134	mg/L	02.20.15 20:24	U	1
o-Xylene	95-47-6	<0.000149	0.00500	0.000149	mg/L	02.20.15 20:24	U	1
m,p-Xylenes	179601-23-1	<0.000847	0.0100	0.000847	mg/L	02.20.15 20:24	U	1
Methylene Chloride	75-09-2	<0.000927	0.00500	0.000927	mg/L	02.20.15 20:24	U	1
Tetrachloroethylene	127-18-4	<0.000229	0.00500	0.000229	mg/L	02.20.15 20:24	U	1
Vinyl Chloride	75-01-4	<0.000292	0.00200	0.000292	mg/L	02.20.15 20:24	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	108	75 - 131	%		
1,2-Dichloroethane-D4	102	63 - 144	%		
Toluene-D8	100	80 - 117	%		
4-Bromofluorobenzene	103	74 - 124	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-10** Matrix: Water Sample Depth:

Lab Sample Id: 502475-025 Date Collected: 02.13.15 00.00 Date Received: 02.16.15 14.40

Analytical Method: Total Petroleum Hydrocarbons by Texas 1005 Prep Method: 1005

Analyst: PKH % Moist: Tech: PKH

Seq Number: 962277 Date Prep: 02.18.15 14.51

Prep seq: 688711

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C6-C12 Gasoline Range Hydrocarbons	PHC612	<0.862	4.79	0.862	mg/L	02.20.15 12:51	U	1
C12-C28 Diesel Range Hydrocarbons	PHCG1028	<0.862	4.79	0.862	mg/L	02.20.15 12:51	U	1
C28-C35 Oil Range Hydrocarbons	PHCG2835	<0.862	4.79	0.862	mg/L	02.20.15 12:51	U	1
Total TPH 1005	PHC635	<0.862		0.862	mg/L	02.20.15 12:51	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
o-Terphenyl	110	70 - 130	%		
1-Chlorooctane	104	70 - 130	%		

Analytical Method: BTEX-MTBE by SW 8260B Prep Method: 5030B

Analyst: SAD % Moist: Tech: SAD

Seq Number: 962225 Date Prep: 02.18.15 12.51

Prep seq: 688765

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
MTBE	1634-04-4	**0.00609**	0.00500	0.000508	mg/L	02.18.15 14:56		1
Benzene	71-43-2	<0.000147	0.00100	0.000147	mg/L	02.18.15 14:56	U	1
Toluene	108-88-3	<0.000153	0.00100	0.000153	mg/L	02.18.15 14:56	U	1
Ethylbenzene	100-41-4	<0.0000806	0.00100	0.0000806	mg/L	02.18.15 14:56	U	1
m,p-Xylenes	179601-23-1	<0.000366	0.00200	0.000366	mg/L	02.18.15 14:56	U	1
o-Xylene	95-47-6	<0.0000975	0.00100	0.0000975	mg/L	02.18.15 14:56	U	1
Total Xylenes	1330-20-7	<0.0000975		0.0000975	mg/L	02.18.15 14:56	U	
Total BTEX		<0.0000806		0.0000806	mg/L	02.18.15 14:56	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	92	75 - 131	%		
1,2-Dichloroethane-D4	122	63 - 144	%		
Toluene-D8	99	80 - 117	%		
4-Bromofluorobenzene	96	74 - 124	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-14** Matrix: Water Sample Depth:

Lab Sample Id: 502475-026 Date Collected: 02.13.15 00.00 Date Received: 02.16.15 14.40

Analytical Method: Total Petroleum Hydrocarbons by Texas 1005 Prep Method: 1005

Analyst: PKH % Moist: Tech: PKH

Seq Number: 962277 Date Prep: 02.18.15 14.54

Prep seq: 688711

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C6-C12 Gasoline Range Hydrocarbons	PHC612	<0.885	4.92	0.885	mg/L	02.19.15 09:09	U	1
C12-C28 Diesel Range Hydrocarbons	PHCG1028	<0.885	4.92	0.885	mg/L	02.19.15 09:09	U	1
C28-C35 Oil Range Hydrocarbons	PHCG2835	<0.885	4.92	0.885	mg/L	02.19.15 09:09	U	1
Total TPH 1005	PHC635	<0.885		0.885	mg/L	02.19.15 09:09	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
o-Terphenyl	80	70 - 130	%		
1-Chlorooctane	74	70 - 130	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-14** Matrix: Water Sample Depth:

Lab Sample Id: 502475-026 Date Collected: 02.13.15 00.00 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: Tech: MCH

Seq Number: 962414 Date Prep: 02.20.15 16.34

Prep seq: 688863

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000204	0.00500	0.000204	mg/L	02.20.15 19:59	U	1
Bromobenzene	108-86-1	<0.000324	0.00500	0.000324	mg/L	02.20.15 19:59	U	1
Bromochloromethane	74-97-5	<0.000562	0.00500	0.000562	mg/L	02.20.15 19:59	U	1
Bromodichloromethane	75-27-4	<0.000242	0.00500	0.000242	mg/L	02.20.15 19:59	U	1
Bromoform	75-25-2	<0.000848	0.00500	0.000848	mg/L	02.20.15 19:59	U	1
Bromomethane	74-83-9	<0.000450	0.00500	0.000450	mg/L	02.20.15 19:59	U	1
MTBE	1634-04-4	<0.00122	0.00500	0.00122	mg/L	02.20.15 19:59	U	1
tert-Butylbenzene	98-06-6	<0.000178	0.00500	0.000178	mg/L	02.20.15 19:59	U	1
Sec-Butylbenzene	135-98-8	<0.000101	0.00500	0.000101	mg/L	02.20.15 19:59	U	1
n-Butylbenzene	104-51-8	<0.0000832	0.00500	0.0000832	mg/L	02.20.15 19:59	U	1
Carbon Tetrachloride	56-23-5	<0.000279	0.00500	0.000279	mg/L	02.20.15 19:59	U	1
Chlorobenzene	108-90-7	<0.000223	0.00500	0.000223	mg/L	02.20.15 19:59	U	1
Chloroethane	75-00-3	<0.000253	0.0100	0.000253	mg/L	02.20.15 19:59	U	1
Chloroform	67-66-3	<0.000241	0.00500	0.000241	mg/L	02.20.15 19:59	U	1
Chloromethane	74-87-3	<0.000465	0.0100	0.000465	mg/L	02.20.15 19:59	U	1
2-Chlorotoluene	95-49-8	<0.000143	0.00500	0.000143	mg/L	02.20.15 19:59	U	1
4-Chlorotoluene	106-43-4	<0.000174	0.00500	0.000174	mg/L	02.20.15 19:59	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000577	0.00500	0.000577	mg/L	02.20.15 19:59	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00160	0.00500	0.00160	mg/L	02.20.15 19:59	U	1
Dibromochloromethane	124-48-1	<0.000452	0.00500	0.000452	mg/L	02.20.15 19:59	U	1
Dibromomethane	74-95-3	<0.000411	0.00500	0.000411	mg/L	02.20.15 19:59	U	1
1,2-Dichlorobenzene	95-50-1	<0.000286	0.00500	0.000286	mg/L	02.20.15 19:59	U	1
1,3-Dichlorobenzene	541-73-1	<0.000417	0.00500	0.000417	mg/L	02.20.15 19:59	U	1
1,4-Dichlorobenzene	106-46-7	<0.000198	0.00500	0.000198	mg/L	02.20.15 19:59	U	1
Dichlorodifluoromethane	75-71-8	<0.000311	0.00500	0.000311	mg/L	02.20.15 19:59	U	1
1,2-Dichloroethane	107-06-2	<0.000158	0.00500	0.000158	mg/L	02.20.15 19:59	U	1
1,1-Dichloroethane	75-34-3	<0.000158	0.00500	0.000158	mg/L	02.20.15 19:59	U	1
1,2-Dibromoethane	106-93-4	<0.000494	0.00500	0.000494	mg/L	02.20.15 19:59	U	1
trans-1,2-dichloroethene	156-60-5	<0.000269	0.00500	0.000269	mg/L	02.20.15 19:59	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000447	0.00500	0.000447	mg/L	02.20.15 19:59	U	1
1,1-Dichloroethene	75-35-4	<0.000272	0.00500	0.000272	mg/L	02.20.15 19:59	U	1
2,2-Dichloropropane	594-20-7	<0.000453	0.00500	0.000453	mg/L	02.20.15 19:59	U	1
1,3-Dichloropropane	142-28-9	<0.000475	0.00500	0.000475	mg/L	02.20.15 19:59	U	1
1,2-Dichloropropane	78-87-5	<0.000474	0.00500	0.000474	mg/L	02.20.15 19:59	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000291	0.00500	0.000291	mg/L	02.20.15 19:59	U	1
1,1-Dichloropropene	563-58-6	<0.000227	0.00500	0.000227	mg/L	02.20.15 19:59	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000380	0.00500	0.000380	mg/L	02.20.15 19:59	U	1
Ethylbenzene	100-41-4	<0.000221	0.00500	0.000221	mg/L	02.20.15 19:59	U	1
Hexachlorobutadiene	87-68-3	<0.000456	0.00500	0.000456	mg/L	02.20.15 19:59	U	1
isopropylbenzene	98-82-8	<0.0000915	0.00500	0.0000915	mg/L	02.20.15 19:59	U	1
Naphthalene	91-20-3	<0.000182	0.0100	0.000182	mg/L	02.20.15 19:59	U	1
n-Propylbenzene	103-65-1	<0.000167	0.00500	0.000167	mg/L	02.20.15 19:59	U	1
Styrene	100-42-5	<0.000153	0.00500	0.000153	mg/L	02.20.15 19:59	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-14** Matrix: Water Sample Depth:

Lab Sample Id: 502475-026 Date Collected: 02.13.15 00.00 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: Tech: MCH

Seq Number: 962414 Date Prep: 02.20.15 16.34

Prep seq: 688863

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
1,1,1,2-Tetrachloroethane	630-20-6	<0.000276	0.00500	0.000276	mg/L	02.20.15 19:59	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000321	0.00500	0.000321	mg/L	02.20.15 19:59	U	1
Toluene	108-88-3	<0.000268	0.00500	0.000268	mg/L	02.20.15 19:59	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000207	0.00500	0.000207	mg/L	02.20.15 19:59	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000272	0.00500	0.000272	mg/L	02.20.15 19:59	U	1
1,1,2-Trichloroethane	79-00-5	<0.000461	0.00500	0.000461	mg/L	02.20.15 19:59	U	1
1,1,1-Trichloroethane	71-55-6	<0.000213	0.00500	0.000213	mg/L	02.20.15 19:59	U	1
Trichloroethene	79-01-6	<0.000383	0.00500	0.000383	mg/L	02.20.15 19:59	U	1
Trichlorofluoromethane	75-69-4	<0.000419	0.00500	0.000419	mg/L	02.20.15 19:59	U	1
1,2,3-Trichloropropane	96-18-4	<0.000214	0.00500	0.000214	mg/L	02.20.15 19:59	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.0000719	0.00500	0.0000719	mg/L	02.20.15 19:59	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000134	0.00500	0.000134	mg/L	02.20.15 19:59	U	1
o-Xylene	95-47-6	<0.000149	0.00500	0.000149	mg/L	02.20.15 19:59	U	1
m,p-Xylenes	179601-23-1	<0.000847	0.0100	0.000847	mg/L	02.20.15 19:59	U	1
Methylene Chloride	75-09-2	<0.000927	0.00500	0.000927	mg/L	02.20.15 19:59	U	1
Tetrachloroethylene	127-18-4	<0.000229	0.00500	0.000229	mg/L	02.20.15 19:59	U	1
Vinyl Chloride	75-01-4	<0.000292	0.00200	0.000292	mg/L	02.20.15 19:59	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	105	75 - 131	%		
1,2-Dichloroethane-D4	97	63 - 144	%		
Toluene-D8	102	80 - 117	%		
4-Bromofluorobenzene	102	74 - 124	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-17** Matrix: Water Sample Depth:

Lab Sample Id: 502475-027 Date Collected: 02.13.15 00.00 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: Tech: MCH

Seq Number: 962414 Date Prep: 02.20.15 16.32

Prep seq: 688863

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000204	0.00500	0.000204	mg/L	02.20.15 19:34	U	1
Bromobenzene	108-86-1	<0.000324	0.00500	0.000324	mg/L	02.20.15 19:34	U	1
Bromochloromethane	74-97-5	<0.000562	0.00500	0.000562	mg/L	02.20.15 19:34	U	1
Bromodichloromethane	75-27-4	<0.000242	0.00500	0.000242	mg/L	02.20.15 19:34	U	1
Bromoform	75-25-2	<0.000848	0.00500	0.000848	mg/L	02.20.15 19:34	U	1
Bromomethane	74-83-9	<0.000450	0.00500	0.000450	mg/L	02.20.15 19:34	U	1
MTBE	1634-04-4	<0.00122	0.00500	0.00122	mg/L	02.20.15 19:34	U	1
tert-Butylbenzene	98-06-6	<0.000178	0.00500	0.000178	mg/L	02.20.15 19:34	U	1
Sec-Butylbenzene	135-98-8	<0.000101	0.00500	0.000101	mg/L	02.20.15 19:34	U	1
n-Butylbenzene	104-51-8	<0.0000832	0.00500	0.0000832	mg/L	02.20.15 19:34	U	1
Carbon Tetrachloride	56-23-5	<0.000279	0.00500	0.000279	mg/L	02.20.15 19:34	U	1
Chlorobenzene	108-90-7	<0.000223	0.00500	0.000223	mg/L	02.20.15 19:34	U	1
Chloroethane	75-00-3	<0.000253	0.0100	0.000253	mg/L	02.20.15 19:34	U	1
Chloroform	67-66-3	<0.000241	0.00500	0.000241	mg/L	02.20.15 19:34	U	1
Chloromethane	74-87-3	<0.000465	0.0100	0.000465	mg/L	02.20.15 19:34	U	1
2-Chlorotoluene	95-49-8	<0.000143	0.00500	0.000143	mg/L	02.20.15 19:34	U	1
4-Chlorotoluene	106-43-4	<0.000174	0.00500	0.000174	mg/L	02.20.15 19:34	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000577	0.00500	0.000577	mg/L	02.20.15 19:34	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00160	0.00500	0.00160	mg/L	02.20.15 19:34	U	1
Dibromochloromethane	124-48-1	<0.000452	0.00500	0.000452	mg/L	02.20.15 19:34	U	1
Dibromomethane	74-95-3	<0.000411	0.00500	0.000411	mg/L	02.20.15 19:34	U	1
1,2-Dichlorobenzene	95-50-1	<0.000286	0.00500	0.000286	mg/L	02.20.15 19:34	U	1
1,3-Dichlorobenzene	541-73-1	<0.000417	0.00500	0.000417	mg/L	02.20.15 19:34	U	1
1,4-Dichlorobenzene	106-46-7	<0.000198	0.00500	0.000198	mg/L	02.20.15 19:34	U	1
Dichlorodifluoromethane	75-71-8	<0.000311	0.00500	0.000311	mg/L	02.20.15 19:34	U	1
1,2-Dichloroethane	107-06-2	<0.000158	0.00500	0.000158	mg/L	02.20.15 19:34	U	1
1,1-Dichloroethane	75-34-3	<0.000158	0.00500	0.000158	mg/L	02.20.15 19:34	U	1
trans-1,2-dichloroethene	156-60-5	<0.000269	0.00500	0.000269	mg/L	02.20.15 19:34	U	1
1,2-Dibromoethane	106-93-4	<0.000494	0.00500	0.000494	mg/L	02.20.15 19:34	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000447	0.00500	0.000447	mg/L	02.20.15 19:34	U	1
1,1-Dichloroethene	75-35-4	<0.000272	0.00500	0.000272	mg/L	02.20.15 19:34	U	1
2,2-Dichloropropane	594-20-7	<0.000453	0.00500	0.000453	mg/L	02.20.15 19:34	U	1
1,3-Dichloropropane	142-28-9	<0.000475	0.00500	0.000475	mg/L	02.20.15 19:34	U	1
1,2-Dichloropropane	78-87-5	<0.000474	0.00500	0.000474	mg/L	02.20.15 19:34	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000291	0.00500	0.000291	mg/L	02.20.15 19:34	U	1
1,1-Dichloropropene	563-58-6	<0.000227	0.00500	0.000227	mg/L	02.20.15 19:34	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000380	0.00500	0.000380	mg/L	02.20.15 19:34	U	1
Ethylbenzene	100-41-4	<0.000221	0.00500	0.000221	mg/L	02.20.15 19:34	U	1
Hexachlorobutadiene	87-68-3	<0.000456	0.00500	0.000456	mg/L	02.20.15 19:34	U	1
isopropylbenzene	98-82-8	<0.0000915	0.00500	0.0000915	mg/L	02.20.15 19:34	U	1
Naphthalene	91-20-3	<0.000182	0.0100	0.000182	mg/L	02.20.15 19:34	U	1
n-Propylbenzene	103-65-1	<0.000167	0.00500	0.000167	mg/L	02.20.15 19:34	U	1
Styrene	100-42-5	<0.000153	0.00500	0.000153	mg/L	02.20.15 19:34	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-17** Matrix: Water Sample Depth:

Lab Sample Id: 502475-027 Date Collected: 02.13.15 00.00 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: Tech: MCH

Seq Number: 962414 Date Prep: 02.20.15 16.32

Prep seq: 688863

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
1,1,1,2-Tetrachloroethane	630-20-6	<0.000276	0.00500	0.000276	mg/L	02.20.15 19:34	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000321	0.00500	0.000321	mg/L	02.20.15 19:34	U	1
Toluene	108-88-3	<0.000268	0.00500	0.000268	mg/L	02.20.15 19:34	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000207	0.00500	0.000207	mg/L	02.20.15 19:34	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000272	0.00500	0.000272	mg/L	02.20.15 19:34	U	1
1,1,2-Trichloroethane	79-00-5	<0.000461	0.00500	0.000461	mg/L	02.20.15 19:34	U	1
1,1,1-Trichloroethane	71-55-6	<0.000213	0.00500	0.000213	mg/L	02.20.15 19:34	U	1
Trichloroethene	79-01-6	<0.000383	0.00500	0.000383	mg/L	02.20.15 19:34	U	1
Trichlorofluoromethane	75-69-4	<0.000419	0.00500	0.000419	mg/L	02.20.15 19:34	U	1
1,2,3-Trichloropropane	96-18-4	<0.000214	0.00500	0.000214	mg/L	02.20.15 19:34	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.0000719	0.00500	0.0000719	mg/L	02.20.15 19:34	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000134	0.00500	0.000134	mg/L	02.20.15 19:34	U	1
o-Xylene	95-47-6	<0.000149	0.00500	0.000149	mg/L	02.20.15 19:34	U	1
m,p-Xylenes	179601-23-1	<0.000847	0.0100	0.000847	mg/L	02.20.15 19:34	U	1
Methylene Chloride	75-09-2	<0.000927	0.00500	0.000927	mg/L	02.20.15 19:34	U	1
Tetrachloroethylene	127-18-4	<0.000229	0.00500	0.000229	mg/L	02.20.15 19:34	U	1
Vinyl Chloride	75-01-4	<0.000292	0.00200	0.000292	mg/L	02.20.15 19:34	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	108	75 - 131	%		
1,2-Dichloroethane-D4	106	63 - 144	%		
Toluene-D8	102	80 - 117	%		
4-Bromofluorobenzene	101	74 - 124	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-19** Matrix: Water Sample Depth:

Lab Sample Id: 502475-028 Date Collected: 02.12.15 00.00 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: Tech: MCH

Seq Number: 962414 Date Prep: 02.20.15 16.30

Prep seq: 688863

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000204	0.00500	0.000204	mg/L	02.20.15 19:09	U	1
Bromobenzene	108-86-1	<0.000324	0.00500	0.000324	mg/L	02.20.15 19:09	U	1
Bromochloromethane	74-97-5	<0.000562	0.00500	0.000562	mg/L	02.20.15 19:09	U	1
Bromodichloromethane	75-27-4	<0.000242	0.00500	0.000242	mg/L	02.20.15 19:09	U	1
Bromoform	75-25-2	<0.000848	0.00500	0.000848	mg/L	02.20.15 19:09	U	1
Bromomethane	74-83-9	<0.000450	0.00500	0.000450	mg/L	02.20.15 19:09	U	1
MTBE	1634-04-4	<0.00122	0.00500	0.00122	mg/L	02.20.15 19:09	U	1
tert-Butylbenzene	98-06-6	<0.000178	0.00500	0.000178	mg/L	02.20.15 19:09	U	1
Sec-Butylbenzene	135-98-8	<0.000101	0.00500	0.000101	mg/L	02.20.15 19:09	U	1
n-Butylbenzene	104-51-8	<0.0000832	0.00500	0.0000832	mg/L	02.20.15 19:09	U	1
Carbon Tetrachloride	56-23-5	<0.000279	0.00500	0.000279	mg/L	02.20.15 19:09	U	1
Chlorobenzene	108-90-7	<0.000223	0.00500	0.000223	mg/L	02.20.15 19:09	U	1
Chloroethane	75-00-3	<0.000253	0.0100	0.000253	mg/L	02.20.15 19:09	U	1
Chloroform	67-66-3	<0.000241	0.00500	0.000241	mg/L	02.20.15 19:09	U	1
Chloromethane	74-87-3	<0.000465	0.0100	0.000465	mg/L	02.20.15 19:09	U	1
2-Chlorotoluene	95-49-8	<0.000143	0.00500	0.000143	mg/L	02.20.15 19:09	U	1
4-Chlorotoluene	106-43-4	<0.000174	0.00500	0.000174	mg/L	02.20.15 19:09	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000577	0.00500	0.000577	mg/L	02.20.15 19:09	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00160	0.00500	0.00160	mg/L	02.20.15 19:09	U	1
Dibromochloromethane	124-48-1	<0.000452	0.00500	0.000452	mg/L	02.20.15 19:09	U	1
Dibromomethane	74-95-3	<0.000411	0.00500	0.000411	mg/L	02.20.15 19:09	U	1
1,2-Dichlorobenzene	95-50-1	<0.000286	0.00500	0.000286	mg/L	02.20.15 19:09	U	1
1,3-Dichlorobenzene	541-73-1	<0.000417	0.00500	0.000417	mg/L	02.20.15 19:09	U	1
1,4-Dichlorobenzene	106-46-7	<0.000198	0.00500	0.000198	mg/L	02.20.15 19:09	U	1
Dichlorodifluoromethane	75-71-8	<0.000311	0.00500	0.000311	mg/L	02.20.15 19:09	U	1
1,2-Dichloroethane	107-06-2	<0.000158	0.00500	0.000158	mg/L	02.20.15 19:09	U	1
1,1-Dichloroethane	75-34-3	<0.000158	0.00500	0.000158	mg/L	02.20.15 19:09	U	1
1,2-Dibromoethane	106-93-4	<0.000494	0.00500	0.000494	mg/L	02.20.15 19:09	U	1
trans-1,2-dichloroethene	156-60-5	<0.000269	0.00500	0.000269	mg/L	02.20.15 19:09	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000447	0.00500	0.000447	mg/L	02.20.15 19:09	U	1
1,1-Dichloroethene	75-35-4	<0.000272	0.00500	0.000272	mg/L	02.20.15 19:09	U	1
2,2-Dichloropropane	594-20-7	<0.000453	0.00500	0.000453	mg/L	02.20.15 19:09	U	1
1,3-Dichloropropane	142-28-9	<0.000475	0.00500	0.000475	mg/L	02.20.15 19:09	U	1
1,2-Dichloropropane	78-87-5	<0.000474	0.00500	0.000474	mg/L	02.20.15 19:09	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000291	0.00500	0.000291	mg/L	02.20.15 19:09	U	1
1,1-Dichloropropene	563-58-6	<0.000227	0.00500	0.000227	mg/L	02.20.15 19:09	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000380	0.00500	0.000380	mg/L	02.20.15 19:09	U	1
Ethylbenzene	100-41-4	<0.000221	0.00500	0.000221	mg/L	02.20.15 19:09	U	1
Hexachlorobutadiene	87-68-3	<0.000456	0.00500	0.000456	mg/L	02.20.15 19:09	U	1
isopropylbenzene	98-82-8	<0.0000915	0.00500	0.0000915	mg/L	02.20.15 19:09	U	1
Naphthalene	91-20-3	**0.00585**	0.0100	0.000182	mg/L	02.20.15 19:09	J	1
n-Propylbenzene	103-65-1	<0.000167	0.00500	0.000167	mg/L	02.20.15 19:09	U	1
Styrene	100-42-5	<0.000153	0.00500	0.000153	mg/L	02.20.15 19:09	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **EB-19** Matrix: Water Sample Depth:

Lab Sample Id: 502475-028 Date Collected: 02.12.15 00.00 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: Tech: MCH

Seq Number: 962414 Date Prep: 02.20.15 16.30

Prep seq: 688863

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
1,1,1,2-Tetrachloroethane	630-20-6	<0.000276	0.00500	0.000276	mg/L	02.20.15 19:09	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000321	0.00500	0.000321	mg/L	02.20.15 19:09	U	1
Toluene	108-88-3	**0.000270**	0.00500	0.000268	mg/L	02.20.15 19:09	J	1
1,2,4-Trichlorobenzene	120-82-1	<0.000207	0.00500	0.000207	mg/L	02.20.15 19:09	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000272	0.00500	0.000272	mg/L	02.20.15 19:09	U	1
1,1,2-Trichloroethane	79-00-5	<0.000461	0.00500	0.000461	mg/L	02.20.15 19:09	U	1
1,1,1-Trichloroethane	71-55-6	<0.000213	0.00500	0.000213	mg/L	02.20.15 19:09	U	1
Trichloroethene	79-01-6	<0.000383	0.00500	0.000383	mg/L	02.20.15 19:09	U	1
Trichlorofluoromethane	75-69-4	<0.000419	0.00500	0.000419	mg/L	02.20.15 19:09	U	1
1,2,3-Trichloropropane	96-18-4	<0.000214	0.00500	0.000214	mg/L	02.20.15 19:09	U	1
1,2,4-Trimethylbenzene	95-63-6	**0.000100**	0.00500	0.0000719	mg/L	02.20.15 19:09	J	1
1,3,5-trimethylbenzene	108-67-8	<0.000134	0.00500	0.000134	mg/L	02.20.15 19:09	U	1
o-Xylene	95-47-6	**0.000240**	0.00500	0.000149	mg/L	02.20.15 19:09	J	1
m,p-Xylenes	179601-23-1	<0.000847	0.0100	0.000847	mg/L	02.20.15 19:09	U	1
Methylene Chloride	75-09-2	<0.000927	0.00500	0.000927	mg/L	02.20.15 19:09	U	1
Tetrachloroethylene	127-18-4	<0.000229	0.00500	0.000229	mg/L	02.20.15 19:09	U	1
Vinyl Chloride	75-01-4	<0.000292	0.00200	0.000292	mg/L	02.20.15 19:09	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	105	75 - 131	%		
1,2-Dichloroethane-D4	106	63 - 144	%		
Toluene-D8	103	80 - 117	%		
4-Bromofluorobenzene	102	74 - 124	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **Composite sample** Matrix: Soil Sample Depth:

Lab Sample Id: 502475-029 Date Collected: 02.11.15 00.00 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 20.35 Tech: MCH

Seq Number: 962382 Date Prep: 02.20.15 12.03

Prep seq: 688860

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000197	0.00629	0.000197	mg/kg	02.20.15 18:53	U	1
Bromobenzene	108-86-1	<0.000551	0.00629	0.000551	mg/kg	02.20.15 18:53	U	1
Bromochloromethane	74-97-5	<0.000598	0.00629	0.000598	mg/kg	02.20.15 18:53	U	1
Bromodichloromethane	75-27-4	<0.000334	0.00629	0.000334	mg/kg	02.20.15 18:53	U	1
Bromoform	75-25-2	<0.000879	0.00629	0.000879	mg/kg	02.20.15 18:53	U	1
Bromomethane	74-83-9	<0.00133	0.00629	0.00133	mg/kg	02.20.15 18:53	U	1
MTBE	1634-04-4	<0.000428	0.00629	0.000428	mg/kg	02.20.15 18:53	U	1
tert-Butylbenzene	98-06-6	<0.000260	0.00629	0.000260	mg/kg	02.20.15 18:53	U	1
Sec-Butylbenzene	135-98-8	<0.000617	0.00629	0.000617	mg/kg	02.20.15 18:53	U	1
n-Butylbenzene	104-51-8	<0.000591	0.00629	0.000591	mg/kg	02.20.15 18:53	U	1
Carbon Tetrachloride	56-23-5	<0.000294	0.00629	0.000294	mg/kg	02.20.15 18:53	U	1
Chlorobenzene	108-90-7	<0.000301	0.00629	0.000301	mg/kg	02.20.15 18:53	U	1
Chloroethane	75-00-3	<0.000690	0.0126	0.000690	mg/kg	02.20.15 18:53	U	1
Chloroform	67-66-3	<0.000368	0.00629	0.000368	mg/kg	02.20.15 18:53	U	1
Chloromethane	74-87-3	<0.000376	0.0126	0.000376	mg/kg	02.20.15 18:53	U	1
2-Chlorotoluene	95-49-8	<0.000494	0.00629	0.000494	mg/kg	02.20.15 18:53	U	1
4-Chlorotoluene	106-43-4	<0.000553	0.00629	0.000553	mg/kg	02.20.15 18:53	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000529	0.00629	0.000529	mg/kg	02.20.15 18:53	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00195	0.00629	0.00195	mg/kg	02.20.15 18:53	U	1
Dibromochloromethane	124-48-1	<0.000595	0.00629	0.000595	mg/kg	02.20.15 18:53	U	1
Dibromomethane	74-95-3	<0.000443	0.00629	0.000443	mg/kg	02.20.15 18:53	U	1
1,2-Dichlorobenzene	95-50-1	<0.000542	0.00629	0.000542	mg/kg	02.20.15 18:53	U	1
1,3-Dichlorobenzene	541-73-1	<0.000467	0.00629	0.000467	mg/kg	02.20.15 18:53	U	1
1,4-Dichlorobenzene	106-46-7	<0.000299	0.00629	0.000299	mg/kg	02.20.15 18:53	U	1
Dichlorodifluoromethane	75-71-8	<0.000535	0.00629	0.000535	mg/kg	02.20.15 18:53	U	1
1,2-Dichloroethane	107-06-2	<0.000441	0.00629	0.000441	mg/kg	02.20.15 18:53	U	1
1,1-Dichloroethane	75-34-3	<0.000253	0.00629	0.000253	mg/kg	02.20.15 18:53	U	1
trans-1,2-dichloroethene	156-60-5	<0.000368	0.00629	0.000368	mg/kg	02.20.15 18:53	U	1
1,2-Dibromoethane	106-93-4	<0.000533	0.00629	0.000533	mg/kg	02.20.15 18:53	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000428	0.00629	0.000428	mg/kg	02.20.15 18:53	U	1
1,1-Dichloroethene	75-35-4	<0.000298	0.00629	0.000298	mg/kg	02.20.15 18:53	U	1
2,2-Dichloropropane	594-20-7	<0.00149	0.00629	0.00149	mg/kg	02.20.15 18:53	U	1
1,3-Dichloropropane	142-28-9	<0.000314	0.00629	0.000314	mg/kg	02.20.15 18:53	U	1
1,2-Dichloropropane	78-87-5	<0.000594	0.00629	0.000594	mg/kg	02.20.15 18:53	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000382	0.00629	0.000382	mg/kg	02.20.15 18:53	U	1
1,1-Dichloropropene	563-58-6	<0.000532	0.00629	0.000532	mg/kg	02.20.15 18:53	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000538	0.00629	0.000538	mg/kg	02.20.15 18:53	U	1
Ethylbenzene	100-41-4	<0.000541	0.00629	0.000541	mg/kg	02.20.15 18:53	U	1
Hexachlorobutadiene	87-68-3	<0.00109	0.00629	0.00109	mg/kg	02.20.15 18:53	U	1
isopropylbenzene	98-82-8	<0.000210	0.00629	0.000210	mg/kg	02.20.15 18:53	U	1
Methylene Chloride	75-09-2	<0.000740	0.0252	0.000740	mg/kg	02.20.15 18:53	U	1
Naphthalene	91-20-3	**0.00320**	0.0126	0.000341	mg/kg	02.20.15 18:53	J	1
n-Propylbenzene	103-65-1	<0.000225	0.00629	0.000225	mg/kg	02.20.15 18:53	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **Composite sample** Matrix: Soil Sample Depth:

Lab Sample Id: 502475-029 Date Collected: 02.11.15 00.00 Date Received: 02.16.15 14.40

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: 20.35 Tech: MCH

Seq Number: 962382 Date Prep: 02.20.15 12.03

Prep seq: 688860

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000189	0.00629	0.000189	mg/kg	02.20.15 18:53	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000512	0.00629	0.000512	mg/kg	02.20.15 18:53	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000577	0.00629	0.000577	mg/kg	02.20.15 18:53	U	1
Tetrachloroethylene	127-18-4	<0.000322	0.00629	0.000322	mg/kg	02.20.15 18:53	U	1
Toluene	108-88-3	<0.000581	0.00629	0.000581	mg/kg	02.20.15 18:53	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000546	0.00629	0.000546	mg/kg	02.20.15 18:53	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000305	0.00629	0.000305	mg/kg	02.20.15 18:53	U	1
1,1,2-Trichloroethane	79-00-5	<0.000410	0.00629	0.000410	mg/kg	02.20.15 18:53	U	1
1,1,1-Trichloroethane	71-55-6	<0.000426	0.00629	0.000426	mg/kg	02.20.15 18:53	U	1
Trichloroethene	79-01-6	<0.000411	0.00629	0.000411	mg/kg	02.20.15 18:53	U	1
Trichlorofluoromethane	75-69-4	<0.000611	0.00629	0.000611	mg/kg	02.20.15 18:53	U	1
1,2,3-Trichloropropane	96-18-4	<0.000882	0.00629	0.000882	mg/kg	02.20.15 18:53	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.000142	0.00629	0.000142	mg/kg	02.20.15 18:53	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000500	0.00629	0.000500	mg/kg	02.20.15 18:53	U	1
Vinyl Chloride	75-01-4	<0.00104	0.00252	0.00104	mg/kg	02.20.15 18:53	U	1
o-Xylene	95-47-6	<0.000350	0.00629	0.000350	mg/kg	02.20.15 18:53	U	1
m,p-Xylenes	179601-23-1	<0.000486	0.0126	0.000486	mg/kg	02.20.15 18:53	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	112	53 - 142	%		
1,2-Dichloroethane-D4	107	56 - 150	%		
Toluene-D8	100	70 - 130	%		
4-Bromofluorobenzene	92	68 - 152	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **Composite sample** Matrix: Soil Sample Depth:

Lab Sample Id: 502475-030 Date Collected: 02.11.15 00.00 Date Received: 02.16.15 14.40

Analytical Method: BTEX-MTBE by SW 8260B Prep Method: 5030B

Analyst: SAD % Moist: 17.63 Tech: SAD

Seq Number: 962424 Date Prep: 02.23.15 13.53

Prep seq: 688887

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
MTBE	1634-04-4	<0.000722	0.00613	0.000722	mg/kg	02.23.15 19:06	U	1
Benzene	71-43-2	<0.000236	0.00123	0.000236	mg/kg	02.23.15 19:06	U	1
Toluene	108-88-3	<0.000159	0.00123	0.000159	mg/kg	02.23.15 19:06	U	1
Ethylbenzene	100-41-4	<0.000117	0.00123	0.000117	mg/kg	02.23.15 19:06	U	1
m,p-Xylenes	179601-23-1	<0.000444	0.00245	0.000444	mg/kg	02.23.15 19:06	U	1
o-Xylene	95-47-6	<0.000281	0.00123	0.000281	mg/kg	02.23.15 19:06	U	1
Total Xylenes	1330-20-7	<0.000281		0.000281	mg/kg	02.23.15 19:06	U	
Total BTEX		<0.000117		0.000117	mg/kg	02.23.15 19:06	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	101	74 - 126	%		
1,2-Dichloroethane-D4	105	80 - 120	%		
Toluene-D8	102	73 - 132	%		
4-Bromofluorobenzene	95	58 - 152	%		

Sample Id: **Composite sample** Matrix: Soil Sample Depth:

Lab Sample Id: 502475-031 Date Collected: 02.11.15 00.00 Date Received: 02.16.15 14.40

Analytical Method: Total Petroleum Hydrocarbons by Texas 1005 Prep Method: 1005

Analyst: PKH % Moist: 19.85 Tech: PKH

Seq Number: 962271 Date Prep: 02.19.15 11.54

Prep seq: 688761

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C6-C12 Gasoline Range Hydrocarbons	PHC612	<11.2	62.3	11.2	mg/kg	02.20.15 01:58	U	1
C12-C28 Diesel Range Hydrocarbons	PHCG1028	<11.2	62.3	11.2	mg/kg	02.20.15 01:58	U	1
C28-C35 Oil Range Hydrocarbons	PHCG2835	<11.2	62.3	11.2	mg/kg	02.20.15 01:58	U	1
Total TPH 1005	PHC635	<11.2		11.2	mg/kg	02.20.15 01:58	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
o-Terphenyl	99	70 - 130	%		
1-Chlorooctane	99	70 - 130	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **688709-1-BLK** Matrix: Solid Sample Depth:

Lab Sample Id: 688709-1-BLK Date Collected: Date Received:

Analytical Method: Total Petroleum Hydrocarbons by Texas 1005 Prep Method: 1005

Analyst: PKH % Moist: Tech: PKH

Seq Number: 962289 Date Prep: 02.18.15 12.45

Prep seq: 688709

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C6-C12 Gasoline Range Hydrocarbons	PHC612	<9.00	50.0	9.00	mg/kg	02.18.15 16:51	U	1
C12-C28 Diesel Range Hydrocarbons	PHCG1028	<9.00	50.0	9.00	mg/kg	02.18.15 16:51	U	1
C28-C35 Oil Range Hydrocarbons	PHCG2835	<9.00	50.0	9.00	mg/kg	02.18.15 16:51	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
o-Terphenyl	79	70 - 130	%		
1-Chlorooctane	71	70 - 130	%		

Sample Id: **688711-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 688711-1-BLK Date Collected: Date Received:

Analytical Method: Total Petroleum Hydrocarbons by Texas 1005 Prep Method: 1005

Analyst: PKH % Moist: Tech: PKH

Seq Number: 962277 Date Prep: 02.18.15 13.45

Prep seq: 688711

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C6-C12 Gasoline Range Hydrocarbons	PHC612	<0.900	5.00	0.900	mg/L	02.19.15 00:42	U	1
C12-C28 Diesel Range Hydrocarbons	PHCG1028	<0.900	5.00	0.900	mg/L	02.19.15 00:42	U	1
C28-C35 Oil Range Hydrocarbons	PHCG2835	<0.900	5.00	0.900	mg/L	02.19.15 00:42	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
o-Terphenyl	83	70 - 130	%		
1-Chlorooctane	77	70 - 130	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **688761-1-BLK** Matrix: Solid Sample Depth:

Lab Sample Id: 688761-1-BLK Date Collected: Date Received:

Analytical Method: Total Petroleum Hydrocarbons by Texas 1005 Prep Method: 1005

Analyst: PKH % Moist: Tech: PKH

Seq Number: 962271 Date Prep: 02.19.15 10.48

Prep seq: 688761

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
C6-C12 Gasoline Range Hydrocarbons	PHC612	<9.00	50.0	9.00	mg/kg	02.19.15 18:01	U	1
C12-C28 Diesel Range Hydrocarbons	PHCG1028	<9.00	50.0	9.00	mg/kg	02.19.15 18:01	U	1
C28-C35 Oil Range Hydrocarbons	PHCG2835	<9.00	50.0	9.00	mg/kg	02.19.15 18:01	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
o-Terphenyl	90	70 - 130	%		
1-Chlorooctane	96	70 - 130	%		

Sample Id: **688765-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 688765-1-BLK Date Collected: Date Received:

Analytical Method: BTEX-MTBE by SW 8260B Prep Method: 5030B

Analyst: SAD % Moist: Tech: SAD

Seq Number: 962225 Date Prep: 02.18.15 11.10

Prep seq: 688765

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
MTBE	1634-04-4	<0.000508	0.00500	0.000508	mg/L	02.18.15 11:53	U	1
Benzene	71-43-2	<0.000147	0.00100	0.000147	mg/L	02.18.15 11:53	U	1
Toluene	108-88-3	<0.000153	0.00100	0.000153	mg/L	02.18.15 11:53	U	1
Ethylbenzene	100-41-4	<0.0000806	0.00100	0.0000806	mg/L	02.18.15 11:53	U	1
m,p-Xylenes	179601-23-1	<0.000366	0.00200	0.000366	mg/L	02.18.15 11:53	U	1
o-Xylene	95-47-6	<0.0000975	0.00100	0.0000975	mg/L	02.18.15 11:53	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	90	75 - 131	%		
1,2-Dichloroethane-D4	115	63 - 144	%		
Toluene-D8	102	80 - 117	%		
4-Bromofluorobenzene	110	74 - 124	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **688859-1-BLK** Matrix: Solid Sample Depth:

Lab Sample Id: 688859-1-BLK Date Collected: Date Received:

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: Tech: MCH

Seq Number: 962371 Date Prep: 02.19.15 11.24

Prep seq: 688859

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000157	0.00500	0.000157	mg/kg	02.19.15 12:34	U	1
Bromobenzene	108-86-1	<0.000438	0.00500	0.000438	mg/kg	02.19.15 12:34	U	1
Bromochloromethane	74-97-5	<0.000475	0.00500	0.000475	mg/kg	02.19.15 12:34	U	1
Bromodichloromethane	75-27-4	<0.000265	0.00500	0.000265	mg/kg	02.19.15 12:34	U	1
Bromoform	75-25-2	<0.000698	0.00500	0.000698	mg/kg	02.19.15 12:34	U	1
Bromomethane	74-83-9	<0.00106	0.00500	0.00106	mg/kg	02.19.15 12:34	U	1
MTBE	1634-04-4	<0.000340	0.00500	0.000340	mg/kg	02.19.15 12:34	U	1
tert-Butylbenzene	98-06-6	<0.000206	0.00500	0.000206	mg/kg	02.19.15 12:34	U	1
Sec-Butylbenzene	135-98-8	<0.000490	0.00500	0.000490	mg/kg	02.19.15 12:34	U	1
n-Butylbenzene	104-51-8	<0.000470	0.00500	0.000470	mg/kg	02.19.15 12:34	U	1
Carbon Tetrachloride	56-23-5	<0.000234	0.00500	0.000234	mg/kg	02.19.15 12:34	U	1
Chlorobenzene	108-90-7	<0.000239	0.00500	0.000239	mg/kg	02.19.15 12:34	U	1
Chloroethane	75-00-3	<0.000549	0.0100	0.000549	mg/kg	02.19.15 12:34	U	1
Chloroform	67-66-3	<0.000292	0.00500	0.000292	mg/kg	02.19.15 12:34	U	1
Chloromethane	74-87-3	<0.000299	0.0100	0.000299	mg/kg	02.19.15 12:34	U	1
2-Chlorotoluene	95-49-8	<0.000392	0.00500	0.000392	mg/kg	02.19.15 12:34	U	1
4-Chlorotoluene	106-43-4	<0.000439	0.00500	0.000439	mg/kg	02.19.15 12:34	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000420	0.00500	0.000420	mg/kg	02.19.15 12:34	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00155	0.00500	0.00155	mg/kg	02.19.15 12:34	U	1
Dibromochloromethane	124-48-1	<0.000473	0.00500	0.000473	mg/kg	02.19.15 12:34	U	1
Dibromomethane	74-95-3	<0.000352	0.00500	0.000352	mg/kg	02.19.15 12:34	U	1
1,2-Dichlorobenzene	95-50-1	<0.000431	0.00500	0.000431	mg/kg	02.19.15 12:34	U	1
1,3-Dichlorobenzene	541-73-1	<0.000371	0.00500	0.000371	mg/kg	02.19.15 12:34	U	1
1,4-Dichlorobenzene	106-46-7	<0.000238	0.00500	0.000238	mg/kg	02.19.15 12:34	U	1
Dichlorodifluoromethane	75-71-8	<0.000426	0.00500	0.000426	mg/kg	02.19.15 12:34	U	1
1,2-Dichloroethane	107-06-2	<0.000351	0.00500	0.000351	mg/kg	02.19.15 12:34	U	1
1,1-Dichloroethane	75-34-3	<0.000201	0.00500	0.000201	mg/kg	02.19.15 12:34	U	1
1,2-Dibromoethane	106-93-4	<0.000423	0.00500	0.000423	mg/kg	02.19.15 12:34	U	1
trans-1,2-dichloroethene	156-60-5	<0.000292	0.00500	0.000292	mg/kg	02.19.15 12:34	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000340	0.00500	0.000340	mg/kg	02.19.15 12:34	U	1
1,1-Dichloroethene	75-35-4	<0.000237	0.00500	0.000237	mg/kg	02.19.15 12:34	U	1
2,2-Dichloropropane	594-20-7	<0.00118	0.00500	0.00118	mg/kg	02.19.15 12:34	U	1
1,3-Dichloropropane	142-28-9	<0.000250	0.00500	0.000250	mg/kg	02.19.15 12:34	U	1
1,2-Dichloropropane	78-87-5	<0.000472	0.00500	0.000472	mg/kg	02.19.15 12:34	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000303	0.00500	0.000303	mg/kg	02.19.15 12:34	U	1
1,1-Dichloropropene	563-58-6	<0.000423	0.00500	0.000423	mg/kg	02.19.15 12:34	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000428	0.00500	0.000428	mg/kg	02.19.15 12:34	U	1
Ethylbenzene	100-41-4	<0.000430	0.00500	0.000430	mg/kg	02.19.15 12:34	U	1
Hexachlorobutadiene	87-68-3	<0.000863	0.00500	0.000863	mg/kg	02.19.15 12:34	U	1
isopropylbenzene	98-82-8	<0.000167	0.00500	0.000167	mg/kg	02.19.15 12:34	U	1
Methylene Chloride	75-09-2	<0.000588	0.0200	0.000588	mg/kg	02.19.15 12:34	U	1
Naphthalene	91-20-3	<0.000271	0.0100	0.000271	mg/kg	02.19.15 12:34	U	1
n-Propylbenzene	103-65-1	<0.000179	0.00500	0.000179	mg/kg	02.19.15 12:34	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**688859-1-BLK**	Matrix:	Solid	Sample Depth:	
Lab Sample Id:	688859-1-BLK	Date Collected:		Date Received:	
Analytical Method:	VOAs by SW-846 8260			Prep Method:	5030B
Analyst:	MCH	% Moist:		Tech:	MCH
Seq Number:	962371	Date Prep:	02.19.15 11.24		
		Prep seq:	688859		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000150	0.00500	0.000150	mg/kg	02.19.15 12:34	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000407	0.00500	0.000407	mg/kg	02.19.15 12:34	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000459	0.00500	0.000459	mg/kg	02.19.15 12:34	U	1
Tetrachloroethylene	127-18-4	<0.000256	0.00500	0.000256	mg/kg	02.19.15 12:34	U	1
Toluene	108-88-3	<0.000462	0.00500	0.000462	mg/kg	02.19.15 12:34	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000434	0.00500	0.000434	mg/kg	02.19.15 12:34	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000243	0.00500	0.000243	mg/kg	02.19.15 12:34	U	1
1,1,2-Trichloroethane	79-00-5	<0.000326	0.00500	0.000326	mg/kg	02.19.15 12:34	U	1
1,1,1-Trichloroethane	71-55-6	<0.000339	0.00500	0.000339	mg/kg	02.19.15 12:34	U	1
Trichloroethene	79-01-6	<0.000327	0.00500	0.000327	mg/kg	02.19.15 12:34	U	1
Trichlorofluoromethane	75-69-4	<0.000485	0.00500	0.000485	mg/kg	02.19.15 12:34	U	1
1,2,3-Trichloropropane	96-18-4	<0.000701	0.00500	0.000701	mg/kg	02.19.15 12:34	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.000113	0.00500	0.000113	mg/kg	02.19.15 12:34	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000397	0.00500	0.000397	mg/kg	02.19.15 12:34	U	1
Vinyl Chloride	75-01-4	<0.000827	0.00200	0.000827	mg/kg	02.19.15 12:34	U	1
o-Xylene	95-47-6	<0.000279	0.00500	0.000279	mg/kg	02.19.15 12:34	U	1
m,p-Xylenes	179601-23-1	<0.000386	0.0100	0.000386	mg/kg	02.19.15 12:34	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	96	53 - 142	%		
1,2-Dichloroethane-D4	104	56 - 150	%		
Toluene-D8	98	70 - 130	%		
4-Bromofluorobenzene	98	68 - 152	%		

Final 1.000

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **688860-1-BLK** Matrix: Solid Sample Depth:

Lab Sample Id: 688860-1-BLK Date Collected: Date Received:

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: Tech: MCH

Seq Number: 962382 Date Prep: 02.20.15 11.02

Prep seq: 688860

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000157	0.00500	0.000157	mg/kg	02.20.15 15:42	U	1
Bromobenzene	108-86-1	<0.000438	0.00500	0.000438	mg/kg	02.20.15 15:42	U	1
Bromochloromethane	74-97-5	<0.000475	0.00500	0.000475	mg/kg	02.20.15 15:42	U	1
Bromodichloromethane	75-27-4	<0.000265	0.00500	0.000265	mg/kg	02.20.15 15:42	U	1
Bromoform	75-25-2	<0.000698	0.00500	0.000698	mg/kg	02.20.15 15:42	U	1
Bromomethane	74-83-9	<0.00106	0.00500	0.00106	mg/kg	02.20.15 15:42	U	1
MTBE	1634-04-4	<0.000340	0.00500	0.000340	mg/kg	02.20.15 15:42	U	1
tert-Butylbenzene	98-06-6	<0.000206	0.00500	0.000206	mg/kg	02.20.15 15:42	U	1
Sec-Butylbenzene	135-98-8	<0.000490	0.00500	0.000490	mg/kg	02.20.15 15:42	U	1
n-Butylbenzene	104-51-8	<0.000470	0.00500	0.000470	mg/kg	02.20.15 15:42	U	1
Carbon Tetrachloride	56-23-5	<0.000234	0.00500	0.000234	mg/kg	02.20.15 15:42	U	1
Chlorobenzene	108-90-7	<0.000239	0.00500	0.000239	mg/kg	02.20.15 15:42	U	1
Chloroethane	75-00-3	<0.000549	0.0100	0.000549	mg/kg	02.20.15 15:42	U	1
Chloroform	67-66-3	<0.000292	0.00500	0.000292	mg/kg	02.20.15 15:42	U	1
Chloromethane	74-87-3	<0.000299	0.0100	0.000299	mg/kg	02.20.15 15:42	U	1
2-Chlorotoluene	95-49-8	<0.000392	0.00500	0.000392	mg/kg	02.20.15 15:42	U	1
4-Chlorotoluene	106-43-4	<0.000439	0.00500	0.000439	mg/kg	02.20.15 15:42	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000420	0.00500	0.000420	mg/kg	02.20.15 15:42	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00155	0.00500	0.00155	mg/kg	02.20.15 15:42	U	1
Dibromochloromethane	124-48-1	<0.000473	0.00500	0.000473	mg/kg	02.20.15 15:42	U	1
Dibromomethane	74-95-3	<0.000352	0.00500	0.000352	mg/kg	02.20.15 15:42	U	1
1,2-Dichlorobenzene	95-50-1	<0.000431	0.00500	0.000431	mg/kg	02.20.15 15:42	U	1
1,3-Dichlorobenzene	541-73-1	<0.000371	0.00500	0.000371	mg/kg	02.20.15 15:42	U	1
1,4-Dichlorobenzene	106-46-7	<0.000238	0.00500	0.000238	mg/kg	02.20.15 15:42	U	1
Dichlorodifluoromethane	75-71-8	<0.000426	0.00500	0.000426	mg/kg	02.20.15 15:42	U	1
1,2-Dichloroethane	107-06-2	<0.000351	0.00500	0.000351	mg/kg	02.20.15 15:42	U	1
1,1-Dichloroethane	75-34-3	<0.000201	0.00500	0.000201	mg/kg	02.20.15 15:42	U	1
trans-1,2-dichloroethene	156-60-5	<0.000292	0.00500	0.000292	mg/kg	02.20.15 15:42	U	1
1,2-Dibromoethane	106-93-4	<0.000423	0.00500	0.000423	mg/kg	02.20.15 15:42	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000340	0.00500	0.000340	mg/kg	02.20.15 15:42	U	1
1,1-Dichloroethene	75-35-4	<0.000237	0.00500	0.000237	mg/kg	02.20.15 15:42	U	1
2,2-Dichloropropane	594-20-7	<0.00118	0.00500	0.00118	mg/kg	02.20.15 15:42	U	1
1,3-Dichloropropane	142-28-9	<0.000250	0.00500	0.000250	mg/kg	02.20.15 15:42	U	1
1,2-Dichloropropane	78-87-5	<0.000472	0.00500	0.000472	mg/kg	02.20.15 15:42	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000303	0.00500	0.000303	mg/kg	02.20.15 15:42	U	1
1,1-Dichloropropene	563-58-6	<0.000423	0.00500	0.000423	mg/kg	02.20.15 15:42	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000428	0.00500	0.000428	mg/kg	02.20.15 15:42	U	1
Ethylbenzene	100-41-4	<0.000430	0.00500	0.000430	mg/kg	02.20.15 15:42	U	1
Hexachlorobutadiene	87-68-3	<0.000863	0.00500	0.000863	mg/kg	02.20.15 15:42	U	1
isopropylbenzene	98-82-8	<0.000167	0.00500	0.000167	mg/kg	02.20.15 15:42	U	1
Methylene Chloride	75-09-2	<0.000588	0.0200	0.000588	mg/kg	02.20.15 15:42	U	1
Naphthalene	91-20-3	<0.000271	0.0100	0.000271	mg/kg	02.20.15 15:42	U	1
n-Propylbenzene	103-65-1	<0.000179	0.00500	0.000179	mg/kg	02.20.15 15:42	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**688860-1-BLK**	Matrix:	Solid	Sample Depth:	
Lab Sample Id:	688860-1-BLK	Date Collected:		Date Received:	
Analytical Method:	VOAs by SW-846 8260			Prep Method:	5030B
Analyst:	MCH	% Moist:		Tech:	MCH
Seq Number:	962382	Date Prep:	02.20.15 11.02		
		Prep seq:	688860		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000150	0.00500	0.000150	mg/kg	02.20.15 15:42	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000407	0.00500	0.000407	mg/kg	02.20.15 15:42	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000459	0.00500	0.000459	mg/kg	02.20.15 15:42	U	1
Tetrachloroethylene	127-18-4	<0.000256	0.00500	0.000256	mg/kg	02.20.15 15:42	U	1
Toluene	108-88-3	<0.000462	0.00500	0.000462	mg/kg	02.20.15 15:42	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000434	0.00500	0.000434	mg/kg	02.20.15 15:42	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000243	0.00500	0.000243	mg/kg	02.20.15 15:42	U	1
1,1,2-Trichloroethane	79-00-5	<0.000326	0.00500	0.000326	mg/kg	02.20.15 15:42	U	1
1,1,1-Trichloroethane	71-55-6	<0.000339	0.00500	0.000339	mg/kg	02.20.15 15:42	U	1
Trichloroethene	79-01-6	<0.000327	0.00500	0.000327	mg/kg	02.20.15 15:42	U	1
Trichlorofluoromethane	75-69-4	<0.000485	0.00500	0.000485	mg/kg	02.20.15 15:42	U	1
1,2,3-Trichloropropane	96-18-4	<0.000701	0.00500	0.000701	mg/kg	02.20.15 15:42	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.000113	0.00500	0.000113	mg/kg	02.20.15 15:42	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000397	0.00500	0.000397	mg/kg	02.20.15 15:42	U	1
Vinyl Chloride	75-01-4	<0.000827	0.00200	0.000827	mg/kg	02.20.15 15:42	U	1
o-Xylene	95-47-6	<0.000279	0.00500	0.000279	mg/kg	02.20.15 15:42	U	1
m,p-Xylenes	179601-23-1	<0.000386	0.0100	0.000386	mg/kg	02.20.15 15:42	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	105	53 - 142	%		
1,2-Dichloroethane-D4	105	56 - 150	%		
Toluene-D8	101	70 - 130	%		
4-Bromofluorobenzene	98	68 - 152	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **688863-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 688863-1-BLK Date Collected: Date Received:

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: Tech: MCH

Seq Number: 962414 Date Prep: 02.20.15 15.00

Prep seq: 688863

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000204	0.00500	0.000204	mg/L	02.20.15 16:10	U	1
Bromobenzene	108-86-1	<0.000324	0.00500	0.000324	mg/L	02.20.15 16:10	U	1
Bromochloromethane	74-97-5	<0.000562	0.00500	0.000562	mg/L	02.20.15 16:10	U	1
Bromodichloromethane	75-27-4	<0.000242	0.00500	0.000242	mg/L	02.20.15 16:10	U	1
Bromoform	75-25-2	<0.000848	0.00500	0.000848	mg/L	02.20.15 16:10	U	1
Bromomethane	74-83-9	<0.000450	0.00500	0.000450	mg/L	02.20.15 16:10	U	1
MTBE	1634-04-4	<0.00122	0.00500	0.00122	mg/L	02.20.15 16:10	U	1
tert-Butylbenzene	98-06-6	<0.000178	0.00500	0.000178	mg/L	02.20.15 16:10	U	1
Sec-Butylbenzene	135-98-8	<0.000101	0.00500	0.000101	mg/L	02.20.15 16:10	U	1
n-Butylbenzene	104-51-8	<0.0000832	0.00500	0.0000832	mg/L	02.20.15 16:10	U	1
Carbon Tetrachloride	56-23-5	<0.000279	0.00500	0.000279	mg/L	02.20.15 16:10	U	1
Chlorobenzene	108-90-7	<0.000223	0.00500	0.000223	mg/L	02.20.15 16:10	U	1
Chloroethane	75-00-3	<0.000253	0.0100	0.000253	mg/L	02.20.15 16:10	U	1
Chloroform	67-66-3	<0.000241	0.00500	0.000241	mg/L	02.20.15 16:10	U	1
Chloromethane	74-87-3	<0.000465	0.0100	0.000465	mg/L	02.20.15 16:10	U	1
2-Chlorotoluene	95-49-8	<0.000143	0.00500	0.000143	mg/L	02.20.15 16:10	U	1
4-Chlorotoluene	106-43-4	<0.000174	0.00500	0.000174	mg/L	02.20.15 16:10	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000577	0.00500	0.000577	mg/L	02.20.15 16:10	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00160	0.00500	0.00160	mg/L	02.20.15 16:10	U	1
Dibromochloromethane	124-48-1	<0.000452	0.00500	0.000452	mg/L	02.20.15 16:10	U	1
Dibromomethane	74-95-3	<0.000411	0.00500	0.000411	mg/L	02.20.15 16:10	U	1
1,2-Dichlorobenzene	95-50-1	<0.000286	0.00500	0.000286	mg/L	02.20.15 16:10	U	1
1,3-Dichlorobenzene	541-73-1	<0.000417	0.00500	0.000417	mg/L	02.20.15 16:10	U	1
1,4-Dichlorobenzene	106-46-7	<0.000198	0.00500	0.000198	mg/L	02.20.15 16:10	U	1
Dichlorodifluoromethane	75-71-8	<0.000311	0.00500	0.000311	mg/L	02.20.15 16:10	U	1
1,2-Dichloroethane	107-06-2	<0.000158	0.00500	0.000158	mg/L	02.20.15 16:10	U	1
1,1-Dichloroethane	75-34-3	<0.000158	0.00500	0.000158	mg/L	02.20.15 16:10	U	1
trans-1,2-dichloroethene	156-60-5	<0.000269	0.00500	0.000269	mg/L	02.20.15 16:10	U	1
1,2-Dibromoethane	106-93-4	<0.000494	0.00500	0.000494	mg/L	02.20.15 16:10	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000447	0.00500	0.000447	mg/L	02.20.15 16:10	U	1
1,1-Dichloroethene	75-35-4	<0.000272	0.00500	0.000272	mg/L	02.20.15 16:10	U	1
2,2-Dichloropropane	594-20-7	<0.000453	0.00500	0.000453	mg/L	02.20.15 16:10	U	1
1,3-Dichloropropane	142-28-9	<0.000475	0.00500	0.000475	mg/L	02.20.15 16:10	U	1
1,2-Dichloropropane	78-87-5	<0.000474	0.00500	0.000474	mg/L	02.20.15 16:10	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000291	0.00500	0.000291	mg/L	02.20.15 16:10	U	1
1,1-Dichloropropene	563-58-6	<0.000227	0.00500	0.000227	mg/L	02.20.15 16:10	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000380	0.00500	0.000380	mg/L	02.20.15 16:10	U	1
Ethylbenzene	100-41-4	<0.000221	0.00500	0.000221	mg/L	02.20.15 16:10	U	1
Hexachlorobutadiene	87-68-3	<0.000456	0.00500	0.000456	mg/L	02.20.15 16:10	U	1
isopropylbenzene	98-82-8	<0.0000915	0.00500	0.0000915	mg/L	02.20.15 16:10	U	1
Naphthalene	91-20-3	<0.000182	0.0100	0.000182	mg/L	02.20.15 16:10	U	1
n-Propylbenzene	103-65-1	<0.000167	0.00500	0.000167	mg/L	02.20.15 16:10	U	1
Styrene	100-42-5	<0.000153	0.00500	0.000153	mg/L	02.20.15 16:10	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**688863-1-BLK**	Matrix:	Water	Sample Depth:	
Lab Sample Id:	688863-1-BLK	Date Collected:		Date Received:	
Analytical Method:	VOAs by SW-846 8260			Prep Method:	5030B
Analyst:	MCH	% Moist:		Tech:	MCH
Seq Number:	962414	Date Prep:	02.20.15 15.00		
		Prep seq:	688863		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
1,1,1,2-Tetrachloroethane	630-20-6	<0.000276	0.00500	0.000276	mg/L	02.20.15 16:10	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000321	0.00500	0.000321	mg/L	02.20.15 16:10	U	1
Toluene	108-88-3	<0.000268	0.00500	0.000268	mg/L	02.20.15 16:10	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000207	0.00500	0.000207	mg/L	02.20.15 16:10	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000272	0.00500	0.000272	mg/L	02.20.15 16:10	U	1
1,1,2-Trichloroethane	79-00-5	<0.000461	0.00500	0.000461	mg/L	02.20.15 16:10	U	1
1,1,1-Trichloroethane	71-55-6	<0.000213	0.00500	0.000213	mg/L	02.20.15 16:10	U	1
Trichloroethene	79-01-6	<0.000383	0.00500	0.000383	mg/L	02.20.15 16:10	U	1
Trichlorofluoromethane	75-69-4	<0.000419	0.00500	0.000419	mg/L	02.20.15 16:10	U	1
1,2,3-Trichloropropane	96-18-4	<0.000214	0.00500	0.000214	mg/L	02.20.15 16:10	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.0000719	0.00500	0.0000719	mg/L	02.20.15 16:10	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000134	0.00500	0.000134	mg/L	02.20.15 16:10	U	1
o-Xylene	95-47-6	<0.000149	0.00500	0.000149	mg/L	02.20.15 16:10	U	1
m,p-Xylenes	179601-23-1	<0.000847	0.0100	0.000847	mg/L	02.20.15 16:10	U	1
Methylene Chloride	75-09-2	<0.000927	0.00500	0.000927	mg/L	02.20.15 16:10	U	1
Tetrachloroethylene	127-18-4	<0.000229	0.00500	0.000229	mg/L	02.20.15 16:10	U	1
Vinyl Chloride	75-01-4	<0.000292	0.00200	0.000292	mg/L	02.20.15 16:10	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	104	75 - 131	%		
1,2-Dichloroethane-D4	104	63 - 144	%		
Toluene-D8	101	80 - 117	%		
4-Bromofluorobenzene	104	74 - 124	%		

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**688887-1-BLK**	Matrix:	Solid	Sample Depth:	
Lab Sample Id:	688887-1-BLK	Date Collected:		Date Received:	
Analytical Method:	BTEX-MTBE by SW 8260B			Prep Method:	5030B
Analyst:	SAD	% Moist:		Tech:	SAD
Seq Number:	962424	Date Prep:	02.23.15 10.05		
		Prep seq:	688887		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
MTBE	1634-04-4	<0.000589	0.00500	0.000589	mg/kg	02.23.15 10:26	U	1
Benzene	71-43-2	<0.000192	0.00100	0.000192	mg/kg	02.23.15 10:26	U	1
Toluene	108-88-3	<0.000129	0.00100	0.000129	mg/kg	02.23.15 10:26	U	1
Ethylbenzene	100-41-4	<0.0000955	0.00100	0.0000955	mg/kg	02.23.15 10:26	U	1
m,p-Xylenes	179601-23-1	<0.000362	0.00200	0.000362	mg/kg	02.23.15 10:26	U	1
o-Xylene	95-47-6	<0.000229	0.00100	0.000229	mg/kg	02.23.15 10:26	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	101	74 - 126	%		
1,2-Dichloroethane-D4	101	80 - 120	%		
Toluene-D8	100	73 - 132	%		
4-Bromofluorobenzene	97	58 - 152	%		

Final 1.000

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id: **688929-1-BLK** Matrix: Solid Sample Depth:

Lab Sample Id: 688929-1-BLK Date Collected: Date Received:

Analytical Method: VOAs by SW-846 8260 Prep Method: 5030B

Analyst: MCH % Moist: Tech: MCH

Seq Number: 962483 Date Prep: 02.23.15 11.12

Prep seq: 688929

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000157	0.00500	0.000157	mg/kg	02.23.15 12:57	U	1
Bromobenzene	108-86-1	<0.000438	0.00500	0.000438	mg/kg	02.23.15 12:57	U	1
Bromochloromethane	74-97-5	<0.000475	0.00500	0.000475	mg/kg	02.23.15 12:57	U	1
Bromodichloromethane	75-27-4	<0.000265	0.00500	0.000265	mg/kg	02.23.15 12:57	U	1
Bromoform	75-25-2	<0.000698	0.00500	0.000698	mg/kg	02.23.15 12:57	U	1
Bromomethane	74-83-9	<0.00106	0.00500	0.00106	mg/kg	02.23.15 12:57	U	1
MTBE	1634-04-4	<0.000340	0.00500	0.000340	mg/kg	02.23.15 12:57	U	1
tert-Butylbenzene	98-06-6	<0.000206	0.00500	0.000206	mg/kg	02.23.15 12:57	U	1
Sec-Butylbenzene	135-98-8	<0.000490	0.00500	0.000490	mg/kg	02.23.15 12:57	U	1
n-Butylbenzene	104-51-8	<0.000470	0.00500	0.000470	mg/kg	02.23.15 12:57	U	1
Carbon Tetrachloride	56-23-5	<0.000234	0.00500	0.000234	mg/kg	02.23.15 12:57	U	1
Chlorobenzene	108-90-7	<0.000239	0.00500	0.000239	mg/kg	02.23.15 12:57	U	1
Chloroethane	75-00-3	<0.000549	0.0100	0.000549	mg/kg	02.23.15 12:57	U	1
Chloroform	67-66-3	<0.000292	0.00500	0.000292	mg/kg	02.23.15 12:57	U	1
Chloromethane	74-87-3	<0.000299	0.0100	0.000299	mg/kg	02.23.15 12:57	U	1
2-Chlorotoluene	95-49-8	<0.000392	0.00500	0.000392	mg/kg	02.23.15 12:57	U	1
4-Chlorotoluene	106-43-4	<0.000439	0.00500	0.000439	mg/kg	02.23.15 12:57	U	1
p-Cymene (p-Isopropyltoluene)	99-87-6	<0.000420	0.00500	0.000420	mg/kg	02.23.15 12:57	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	<0.00155	0.00500	0.00155	mg/kg	02.23.15 12:57	U	1
Dibromochloromethane	124-48-1	<0.000473	0.00500	0.000473	mg/kg	02.23.15 12:57	U	1
Dibromomethane	74-95-3	<0.000352	0.00500	0.000352	mg/kg	02.23.15 12:57	U	1
1,2-Dichlorobenzene	95-50-1	<0.000431	0.00500	0.000431	mg/kg	02.23.15 12:57	U	1
1,3-Dichlorobenzene	541-73-1	<0.000371	0.00500	0.000371	mg/kg	02.23.15 12:57	U	1
1,4-Dichlorobenzene	106-46-7	<0.000238	0.00500	0.000238	mg/kg	02.23.15 12:57	U	1
Dichlorodifluoromethane	75-71-8	<0.000426	0.00500	0.000426	mg/kg	02.23.15 12:57	U	1
1,2-Dichloroethane	107-06-2	<0.000351	0.00500	0.000351	mg/kg	02.23.15 12:57	U	1
1,1-Dichloroethane	75-34-3	<0.000201	0.00500	0.000201	mg/kg	02.23.15 12:57	U	1
1,2-Dibromoethane	106-93-4	<0.000423	0.00500	0.000423	mg/kg	02.23.15 12:57	U	1
trans-1,2-dichloroethene	156-60-5	<0.000292	0.00500	0.000292	mg/kg	02.23.15 12:57	U	1
cis-1,2-Dichloroethene	156-59-2	<0.000340	0.00500	0.000340	mg/kg	02.23.15 12:57	U	1
1,1-Dichloroethene	75-35-4	<0.000237	0.00500	0.000237	mg/kg	02.23.15 12:57	U	1
2,2-Dichloropropane	594-20-7	<0.00118	0.00500	0.00118	mg/kg	02.23.15 12:57	U	1
1,3-Dichloropropane	142-28-9	<0.000250	0.00500	0.000250	mg/kg	02.23.15 12:57	U	1
1,2-Dichloropropane	78-87-5	<0.000472	0.00500	0.000472	mg/kg	02.23.15 12:57	U	1
trans-1,3-dichloropropene	10061-02-6	<0.000303	0.00500	0.000303	mg/kg	02.23.15 12:57	U	1
1,1-Dichloropropene	563-58-6	<0.000423	0.00500	0.000423	mg/kg	02.23.15 12:57	U	1
cis-1,3-Dichloropropene	10061-01-5	<0.000428	0.00500	0.000428	mg/kg	02.23.15 12:57	U	1
Ethylbenzene	100-41-4	<0.000430	0.00500	0.000430	mg/kg	02.23.15 12:57	U	1
Hexachlorobutadiene	87-68-3	<0.000863	0.00500	0.000863	mg/kg	02.23.15 12:57	U	1
isopropylbenzene	98-82-8	<0.000167	0.00500	0.000167	mg/kg	02.23.15 12:57	U	1
Methylene Chloride	75-09-2	<0.000588	0.0200	0.000588	mg/kg	02.23.15 12:57	U	1
Naphthalene	91-20-3	<0.000271	0.0100	0.000271	mg/kg	02.23.15 12:57	U	1
n-Propylbenzene	103-65-1	<0.000179	0.00500	0.000179	mg/kg	02.23.15 12:57	U	1

Certificate of Analytical Results

502475

Geotest Engineering, Inc., Houston, TX

Innsdale

Sample Id:	**688929-1-BLK**	Matrix:	Solid	Sample Depth:	
Lab Sample Id:	688929-1-BLK	Date Collected:		Date Received:	
Analytical Method:	VOAs by SW-846 8260			Prep Method:	5030B
Analyst:	MCH	% Moist:		Tech:	MCH
Seq Number:	962483	Date Prep:	02.23.15 11.12		
		Prep seq:	688929		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Styrene	100-42-5	<0.000150	0.00500	0.000150	mg/kg	02.23.15 12:57	U	1
1,1,1,2-Tetrachloroethane	630-20-6	<0.000407	0.00500	0.000407	mg/kg	02.23.15 12:57	U	1
1,1,2,2-Tetrachloroethane	79-34-5	<0.000459	0.00500	0.000459	mg/kg	02.23.15 12:57	U	1
Tetrachloroethylene	127-18-4	<0.000256	0.00500	0.000256	mg/kg	02.23.15 12:57	U	1
Toluene	108-88-3	<0.000462	0.00500	0.000462	mg/kg	02.23.15 12:57	U	1
1,2,4-Trichlorobenzene	120-82-1	<0.000434	0.00500	0.000434	mg/kg	02.23.15 12:57	U	1
1,2,3-Trichlorobenzene	87-61-6	<0.000243	0.00500	0.000243	mg/kg	02.23.15 12:57	U	1
1,1,2-Trichloroethane	79-00-5	<0.000326	0.00500	0.000326	mg/kg	02.23.15 12:57	U	1
1,1,1-Trichloroethane	71-55-6	<0.000339	0.00500	0.000339	mg/kg	02.23.15 12:57	U	1
Trichloroethene	79-01-6	<0.000327	0.00500	0.000327	mg/kg	02.23.15 12:57	U	1
Trichlorofluoromethane	75-69-4	<0.000485	0.00500	0.000485	mg/kg	02.23.15 12:57	U	1
1,2,3-Trichloropropane	96-18-4	<0.000701	0.00500	0.000701	mg/kg	02.23.15 12:57	U	1
1,2,4-Trimethylbenzene	95-63-6	<0.000113	0.00500	0.000113	mg/kg	02.23.15 12:57	U	1
1,3,5-trimethylbenzene	108-67-8	<0.000397	0.00500	0.000397	mg/kg	02.23.15 12:57	U	1
Vinyl Chloride	75-01-4	<0.000827	0.00200	0.000827	mg/kg	02.23.15 12:57	U	1
o-Xylene	95-47-6	<0.000279	0.00500	0.000279	mg/kg	02.23.15 12:57	U	1
m,p-Xylenes	179601-23-1	<0.000386	0.0100	0.000386	mg/kg	02.23.15 12:57	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	94	53 - 142	%		
1,2-Dichloroethane-D4	100	56 - 150	%		
Toluene-D8	98	70 - 130	%		
4-Bromofluorobenzene	101	68 - 152	%		

Final 1.000

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Form 2 - Surrogate Recoveries

Project Name: Innsdale

Work Orders : 502475, **Project ID:** 1130021301

Lab Batch #: 962225 **Sample:** 688765-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/18/15 10:17

SURROGATE RECOVERY STUDY

BTEX-MTBE by SW 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0445	0.0500	89	75-131	
1,2-Dichloroethane-D4	0.0555	0.0500	111	63-144	
Toluene-D8	0.0510	0.0500	102	80-117	
4-Bromofluorobenzene	0.0530	0.0500	106	74-124	

Lab Batch #: 962225 **Sample:** 688765-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/18/15 11:53

SURROGATE RECOVERY STUDY

BTEX-MTBE by SW 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0452	0.0500	90	75-131	
1,2-Dichloroethane-D4	0.0575	0.0500	115	63-144	
Toluene-D8	0.0508	0.0500	102	80-117	
4-Bromofluorobenzene	0.0548	0.0500	110	74-124	

Lab Batch #: 962225 **Sample:** 502412-003 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/18/15 15:22

SURROGATE RECOVERY STUDY

BTEX-MTBE by SW 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0477	0.0500	95	75-131	
1,2-Dichloroethane-D4	0.0536	0.0500	107	63-144	
Toluene-D8	0.0486	0.0500	97	80-117	
4-Bromofluorobenzene	0.0502	0.0500	100	74-124	

Lab Batch #: 962225 **Sample:** 502412-003 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/18/15 15:47

SURROGATE RECOVERY STUDY

BTEX-MTBE by SW 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0450	0.0500	90	75-131	
1,2-Dichloroethane-D4	0.0584	0.0500	117	63-144	
Toluene-D8	0.0519	0.0500	104	80-117	
4-Bromofluorobenzene	0.0529	0.0500	106	74-124	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Innsdale

Work Orders : 502475, **Project ID:** 1130021301

Lab Batch #: 962424 **Sample:** 688887-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/23/15 09:34

SURROGATE RECOVERY STUDY

BTEX-MTBE by SW 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0497	0.0500	99	74-126	
1,2-Dichloroethane-D4	0.0498	0.0500	100	80-120	
Toluene-D8	0.0500	0.0500	100	73-132	
4-Bromofluorobenzene	0.0533	0.0500	107	58-152	

Lab Batch #: 962424 **Sample:** 688887-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/23/15 10:26

SURROGATE RECOVERY STUDY

BTEX-MTBE by SW 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0504	0.0500	101	74-126	
1,2-Dichloroethane-D4	0.0507	0.0500	101	80-120	
Toluene-D8	0.0501	0.0500	100	73-132	
4-Bromofluorobenzene	0.0484	0.0500	97	58-152	

Lab Batch #: 962424 **Sample:** 502793-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/23/15 14:06

SURROGATE RECOVERY STUDY

BTEX-MTBE by SW 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0489	0.0500	98	74-126	
1,2-Dichloroethane-D4	0.0481	0.0500	96	80-120	
Toluene-D8	0.0519	0.0500	104	73-132	
4-Bromofluorobenzene	0.0539	0.0500	108	58-152	

Lab Batch #: 962424 **Sample:** 502793-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/23/15 14:32

SURROGATE RECOVERY STUDY

BTEX-MTBE by SW 8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0511	0.0500	102	74-126	
1,2-Dichloroethane-D4	0.0505	0.0500	101	80-120	
Toluene-D8	0.0507	0.0500	101	73-132	
4-Bromofluorobenzene	0.0520	0.0500	104	58-152	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Innsdale

Work Orders : 502475, **Project ID:** 1130021301

Lab Batch #: 962271 **Sample:** 688761-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/19/15 18:01

SURROGATE RECOVERY STUDY

Total Petroleum Hydrocarbons by Texas 1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	45.0	50.0	90	70-130	
1-Chlorooctane	96.3	100	96	70-130	

Lab Batch #: 962271 **Sample:** 688761-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/19/15 18:20

SURROGATE RECOVERY STUDY

Total Petroleum Hydrocarbons by Texas 1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	51.1	50.0	102	70-130	
1-Chlorooctane	113	100	113	70-130	

Lab Batch #: 962271 **Sample:** 688761-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/19/15 18:39

SURROGATE RECOVERY STUDY

Total Petroleum Hydrocarbons by Texas 1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	59.8	50.0	120	70-130	
1-Chlorooctane	117	100	117	70-130	

Lab Batch #: 962271 **Sample:** 502666-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/19/15 19:16

SURROGATE RECOVERY STUDY

Total Petroleum Hydrocarbons by Texas 1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	52.4	50.0	105	70-130	
1-Chlorooctane	121	99.9	121	70-130	

Lab Batch #: 962271 **Sample:** 502666-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/19/15 19:35

SURROGATE RECOVERY STUDY

Total Petroleum Hydrocarbons by Texas 1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	57.5	49.9	115	70-130	
1-Chlorooctane	111	99.7	111	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Innsdale

Work Orders : 502475, **Project ID:** 1130021301

Lab Batch #: 962277 **Sample:** 688711-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/19/15 00:42

SURROGATE RECOVERY STUDY

Total Petroleum Hydrocarbons by Texas 1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	4.16	5.00	83	70-130	
1-Chlorooctane	7.69	10.0	77	70-130	

Lab Batch #: 962277 **Sample:** 688711-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/19/15 01:00

SURROGATE RECOVERY STUDY

Total Petroleum Hydrocarbons by Texas 1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	4.30	5.00	86	70-130	
1-Chlorooctane	8.47	10.0	85	70-130	

Lab Batch #: 962277 **Sample:** 688711-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/19/15 01:19

SURROGATE RECOVERY STUDY

Total Petroleum Hydrocarbons by Texas 1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	4.40	5.00	88	70-130	
1-Chlorooctane	8.43	10.0	84	70-130	

Lab Batch #: 962277 **Sample:** 502509-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/19/15 01:57

SURROGATE RECOVERY STUDY

Total Petroleum Hydrocarbons by Texas 1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	3.84	4.65	83	70-130	
1-Chlorooctane	8.79	9.30	95	70-130	

Lab Batch #: 962289 **Sample:** 688709-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/18/15 16:51

SURROGATE RECOVERY STUDY

Total Petroleum Hydrocarbons by Texas 1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	39.6	50.0	79	70-130	
1-Chlorooctane	71.0	100	71	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Innsdale

Work Orders : 502475, **Project ID:** 1130021301

Lab Batch #: 962289 **Sample:** 688709-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/18/15 17:10

SURROGATE RECOVERY STUDY

Total Petroleum Hydrocarbons by Texas 1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	39.3	50.0	79	70-130	
1-Chlorooctane	78.5	100	79	70-130	

Lab Batch #: 962289 **Sample:** 688709-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/18/15 17:28

SURROGATE RECOVERY STUDY

Total Petroleum Hydrocarbons by Texas 1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
o-Terphenyl	39.6	50.0	79	70-130	
1-Chlorooctane	83.5	100	84	70-130	

Lab Batch #: 962371 **Sample:** 688859-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/19/15 10:49

SURROGATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0462	0.0500	92	53-142	
1,2-Dichloroethane-D4	0.0498	0.0500	100	56-150	
Toluene-D8	0.0491	0.0500	98	70-130	
4-Bromofluorobenzene	0.0495	0.0500	99	68-152	

Lab Batch #: 962371 **Sample:** 688859-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/19/15 11:15

SURROGATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0489	0.0500	98	53-142	
1,2-Dichloroethane-D4	0.0513	0.0500	103	56-150	
Toluene-D8	0.0494	0.0500	99	70-130	
4-Bromofluorobenzene	0.0484	0.0500	97	68-152	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Innsdale

Work Orders : 502475, **Project ID:** 1130021301

Lab Batch #: 962371 **Sample:** 688859-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/19/15 12:34

SURROGATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0481	0.0500	96	53-142	
1,2-Dichloroethane-D4	0.0519	0.0500	104	56-150	
Toluene-D8	0.0490	0.0500	98	70-130	
4-Bromofluorobenzene	0.0492	0.0500	98	68-152	

Lab Batch #: 962371 **Sample:** 502475-004 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/19/15 13:58

SURROGATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0479	0.0500	96	53-142	
1,2-Dichloroethane-D4	0.0500	0.0500	100	56-150	
Toluene-D8	0.0487	0.0500	97	70-130	
4-Bromofluorobenzene	0.0496	0.0500	99	68-152	

Lab Batch #: 962371 **Sample:** 502475-004 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/19/15 14:23

SURROGATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0465	0.0500	93	53-142	
1,2-Dichloroethane-D4	0.0485	0.0500	97	56-150	
Toluene-D8	0.0496	0.0500	99	70-130	
4-Bromofluorobenzene	0.0500	0.0500	100	68-152	

Lab Batch #: 962382 **Sample:** 688860-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/20/15 13:53

SURROGATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0495	0.0500	99	53-142	
1,2-Dichloroethane-D4	0.0503	0.0500	101	56-150	
Toluene-D8	0.0495	0.0500	99	70-130	
4-Bromofluorobenzene	0.0501	0.0500	100	68-152	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Innsdale

Work Orders : 502475, **Project ID:** 1130021301

Lab Batch #: 962382 **Sample:** 688860-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/20/15 14:18

SURROGATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0509	0.0500	102	53-142	
1,2-Dichloroethane-D4	0.0483	0.0500	97	56-150	
Toluene-D8	0.0505	0.0500	101	70-130	
4-Bromofluorobenzene	0.0505	0.0500	101	68-152	

Lab Batch #: 962382 **Sample:** 688860-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/20/15 15:42

SURROGATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0527	0.0500	105	53-142	
1,2-Dichloroethane-D4	0.0524	0.0500	105	56-150	
Toluene-D8	0.0504	0.0500	101	70-130	
4-Bromofluorobenzene	0.0490	0.0500	98	68-152	

Lab Batch #: 962382 **Sample:** 502475-021 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/20/15 17:11

SURROGATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0495	0.0500	99	53-142	
1,2-Dichloroethane-D4	0.0477	0.0500	95	56-150	
Toluene-D8	0.0503	0.0500	101	70-130	
4-Bromofluorobenzene	0.0486	0.0500	97	68-152	

Lab Batch #: 962382 **Sample:** 502475-021 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/20/15 17:36

SURROGATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0522	0.0500	104	53-142	
1,2-Dichloroethane-D4	0.0536	0.0500	107	56-150	
Toluene-D8	0.0511	0.0500	102	70-130	
4-Bromofluorobenzene	0.0476	0.0500	95	68-152	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Innsdale

Work Orders : 502475, **Project ID:** 1130021301

Lab Batch #: 962414 **Sample:** 688863-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/20/15 14:49

SURROGATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0508	0.0500	102	75-131	
1,2-Dichloroethane-D4	0.0479	0.0500	96	63-144	
Toluene-D8	0.0485	0.0500	97	80-117	
4-Bromofluorobenzene	0.0508	0.0500	102	74-124	

Lab Batch #: 962414 **Sample:** 688863-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/20/15 16:10

SURROGATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0520	0.0500	104	75-131	
1,2-Dichloroethane-D4	0.0519	0.0500	104	63-144	
Toluene-D8	0.0506	0.0500	101	80-117	
4-Bromofluorobenzene	0.0518	0.0500	104	74-124	

Lab Batch #: 962414 **Sample:** 502413-005 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/20/15 17:03

SURROGATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0478	0.0500	96	75-131	
1,2-Dichloroethane-D4	0.0492	0.0500	98	63-144	
Toluene-D8	0.0499	0.0500	100	80-117	
4-Bromofluorobenzene	0.0510	0.0500	102	74-124	

Lab Batch #: 962414 **Sample:** 502413-005 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 02/20/15 17:29

SURROGATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0481	0.0500	96	75-131	
1,2-Dichloroethane-D4	0.0500	0.0500	100	63-144	
Toluene-D8	0.0489	0.0500	98	80-117	
4-Bromofluorobenzene	0.0500	0.0500	100	74-124	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Innsdale

Work Orders : 502475, **Project ID:** 1130021301

Lab Batch #: 962483 **Sample:** 688929-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/23/15 10:21

SURROGATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0499	0.0500	100	53-142	
1,2-Dichloroethane-D4	0.0506	0.0500	101	56-150	
Toluene-D8	0.0494	0.0500	99	70-130	
4-Bromofluorobenzene	0.0506	0.0500	101	68-152	

Lab Batch #: 962483 **Sample:** 688929-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 02/23/15 12:57

SURROGATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0471	0.0500	94	53-142	
1,2-Dichloroethane-D4	0.0502	0.0500	100	56-150	
Toluene-D8	0.0490	0.0500	98	70-130	
4-Bromofluorobenzene	0.0507	0.0500	101	68-152	

Lab Batch #: 962483 **Sample:** 502475-022 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/23/15 15:07

SURROGATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0467	0.0500	93	53-142	
1,2-Dichloroethane-D4	0.0500	0.0500	100	56-150	
Toluene-D8	0.0495	0.0500	99	70-130	
4-Bromofluorobenzene	0.0508	0.0500	102	68-152	

Lab Batch #: 962483 **Sample:** 502475-022 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 02/23/15 15:36

SURROGATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane	0.0502	0.0500	100	53-142	
1,2-Dichloroethane-D4	0.0496	0.0500	99	56-150	
Toluene-D8	0.0514	0.0500	103	70-130	
4-Bromofluorobenzene	0.0486	0.0500	97	68-152	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: Innsdale

Work Order #: 502475 **Project ID:** 1130021301

Lab Batch #: 962225 **Sample:** 688765-1-BKS **Matrix:** Water

Date Analyzed: 02/18/2015 **Date Prepared:** 02/18/2015 **Analyst:** SAD

Reporting Units: mg/L **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

BTEX-MTBE by SW 8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
MTBE	<0.000508	0.500	0.536	107	65-135	
Benzene	<0.000147	0.100	0.102	102	66-142	
Toluene	<0.000153	0.100	0.0984	98	59-139	
Ethylbenzene	<0.0000806	0.100	0.0980	98	75-125	
m,p-Xylenes	<0.000366	0.200	0.213	107	75-125	
o-Xylene	<0.0000975	0.100	0.106	106	75-125	

Lab Batch #: 962424 **Sample:** 688887-1-BKS **Matrix:** Solid

Date Analyzed: 02/23/2015 **Date Prepared:** 02/23/2015 **Analyst:** SAD

Reporting Units: mg/kg **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

BTEX-MTBE by SW 8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
MTBE	<0.000589	0.500	0.495	99	68-138	
Benzene	<0.000192	0.100	0.0983	98	62-132	
Toluene	<0.000129	0.100	0.105	105	66-124	
Ethylbenzene	<0.0000955	0.100	0.104	104	71-134	
m,p-Xylenes	<0.000362	0.200	0.223	112	69-128	
o-Xylene	<0.000229	0.100	0.108	108	72-131	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: Innsdale

Work Order #: 502475 **Project ID:** 1130021301

Lab Batch #: 962414 **Sample:** 688863-1-BKS **Matrix:** Water

Date Analyzed: 02/20/2015 **Date Prepared:** 02/20/2015 **Analyst:** MCH

Reporting Units: mg/L **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

VOAs by SW-846 8260 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Benzene	<0.000204	0.0500	0.0502	100	68-123	
Bromobenzene	<0.000324	0.0500	0.0506	101	83-124	
Bromochloromethane	<0.000562	0.0500	0.0513	103	68-119	
Bromodichloromethane	<0.000242	0.0500	0.0522	104	72-132	
Bromoform	<0.000848	0.0500	0.0531	106	65-136	
Bromomethane	<0.000450	0.0500	0.0531	106	48-120	
MTBE	<0.00122	0.0500	0.0539	108	60-152	
tert-Butylbenzene	<0.000178	0.0500	0.0485	97	83-131	
Sec-Butylbenzene	<0.000101	0.0500	0.0526	105	83-130	
n-Butylbenzene	<0.0000832	0.0500	0.0467	93	82-128	
Carbon Tetrachloride	<0.000279	0.0500	0.0534	107	68-135	
Chlorobenzene	<0.000223	0.0500	0.0493	99	78-124	
Chloroethane	<0.000253	0.0500	0.0549	110	55-120	
Chloroform	<0.000241	0.0500	0.0500	100	71-119	
Chloromethane	<0.000465	0.0500	0.0479	96	54-114	
2-Chlorotoluene	<0.000143	0.0500	0.0528	106	83-128	
4-Chlorotoluene	<0.000174	0.0500	0.0523	105	81-125	
p-Cymene (p-Isopropyltoluene)	<0.000577	0.0500	0.0485	97	85-129	
1,2-Dibromo-3-Chloropropane	<0.00160	0.0500	0.0492	98	62-134	
Dibromochloromethane	<0.000452	0.0500	0.0553	111	74-135	
Dibromomethane	<0.000411	0.0500	0.0504	101	71-124	
1,2-Dichlorobenzene	<0.000286	0.0500	0.0504	101	81-123	
1,3-Dichlorobenzene	<0.000417	0.0500	0.0518	104	82-126	
1,4-Dichlorobenzene	<0.000198	0.0500	0.0483	97	80-119	
Dichlorodifluoromethane	<0.000311	0.0500	0.0457	91	59-121	
1,2-Dichloroethane	<0.000158	0.0500	0.0485	97	64-130	
1,1-Dichloroethane	<0.000158	0.0500	0.0511	102	75-125	
trans-1,2-dichloroethene	<0.000269	0.0500	0.0532	106	64-109	
1,2-Dibromoethane	<0.000494	0.0500	0.0504	101	77-129	
cis-1,2-Dichloroethene	<0.000447	0.0500	0.0526	105	74-130	
1,1-Dichloroethene	<0.000272	0.0500	0.0514	103	68-116	
2,2-Dichloropropane	<0.000453	0.0500	0.0492	98	71-134	
1,3-Dichloropropane	<0.000475	0.0500	0.0495	99	79-133	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: Innsdale

Work Order #: 502475 **Project ID:** 1130021301

Lab Batch #: 962414 **Sample:** 688863-1-BKS **Matrix:** Water

Date Analyzed: 02/20/2015 **Date Prepared:** 02/20/2015 **Analyst:** MCH

Reporting Units: mg/L **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

VOAs by SW-846 8260 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,2-Dichloropropane	<0.000474	0.0500	0.0508	102	72-127	
trans-1,3-dichloropropene	<0.000291	0.0500	0.0472	94	70-132	
1,1-Dichloropropene	<0.000227	0.0500	0.0505	101	69-124	
cis-1,3-Dichloropropene	<0.000380	0.0500	0.0473	95	74-138	
Ethylbenzene	<0.000221	0.0500	0.0524	105	69-131	
Hexachlorobutadiene	<0.000456	0.0500	0.0501	100	74-130	
isopropylbenzene	<0.0000915	0.0500	0.0531	106	66-133	
Naphthalene	<0.000182	0.0500	0.0467	93	69-140	
n-Propylbenzene	<0.000167	0.0500	0.0535	107	86-129	
Styrene	<0.000153	0.0500	0.0541	108	79-128	
1,1,1,2-Tetrachloroethane	<0.000276	0.0500	0.0519	104	78-131	
1,1,2,2-Tetrachloroethane	<0.000321	0.0500	0.0469	94	80-133	
Toluene	<0.000268	0.0500	0.0485	97	62-132	
1,2,4-Trichlorobenzene	<0.000207	0.0500	0.0491	98	77-127	
1,2,3-Trichlorobenzene	<0.000272	0.0500	0.0537	107	76-126	
1,1,2-Trichloroethane	<0.000461	0.0500	0.0502	100	71-135	
1,1,1-Trichloroethane	<0.000213	0.0500	0.0506	101	72-124	
Trichloroethene	<0.000383	0.0500	0.0520	104	74-123	
Trichlorofluoromethane	<0.000419	0.0500	0.0495	99	70-143	
1,2,3-Trichloropropane	<0.000214	0.0500	0.0498	100	75-134	
1,2,4-Trimethylbenzene	<0.0000719	0.0500	0.0517	103	79-132	
1,3,5-trimethylbenzene	<0.000134	0.0500	0.0528	106	72-139	
o-Xylene	<0.000149	0.0500	0.0544	109	67-132	
m,p-Xylenes	<0.000847	0.100	0.107	107	69-132	
Methylene Chloride	<0.000927	0.0500	0.0481	96	60-121	
Tetrachloroethylene	<0.000229	0.0500	0.0491	98	79-122	
Vinyl Chloride	<0.000292	0.0500	0.0512	102	59-124	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: Innsdale

Work Order #: 502475 **Project ID:** 1130021301

Lab Batch #: 962483 **Sample:** 688929-1-BKS **Matrix:** Solid

Date Analyzed: 02/23/2015 **Date Prepared:** 02/23/2015 **Analyst:** MCH

Reporting Units: mg/kg **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

VOAs by SW-846 8260 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Benzene	<0.000157	0.0500	0.0485	97	71-119	
Bromobenzene	<0.000438	0.0500	0.0480	96	84-123	
Bromochloromethane	<0.000475	0.0500	0.0461	92	71-120	
Bromodichloromethane	<0.000265	0.0500	0.0466	93	78-126	
Bromoform	<0.000698	0.0500	0.0448	90	63-136	
Bromomethane	<0.00106	0.0500	0.0444	89	57-118	
MTBE	<0.000340	0.0500	0.0516	103	64-148	
tert-Butylbenzene	<0.000206	0.0500	0.0507	101	83-132	
Sec-Butylbenzene	<0.000490	0.0500	0.0528	106	84-131	
n-Butylbenzene	<0.000470	0.0500	0.0526	105	82-127	
Carbon Tetrachloride	<0.000234	0.0500	0.0477	95	63-135	
Chlorobenzene	<0.000239	0.0500	0.0460	92	83-121	
Chloroethane	<0.000549	0.0500	0.0487	97	57-122	
Chloroform	<0.000292	0.0500	0.0474	95	74-118	
Chloromethane	<0.000299	0.0500	0.0460	92	58-110	
2-Chlorotoluene	<0.000392	0.0500	0.0497	99	83-129	
4-Chlorotoluene	<0.000439	0.0500	0.0482	96	83-125	
p-Cymene (p-Isopropyltoluene)	<0.000420	0.0500	0.0529	106	84-130	
1,2-Dibromo-3-Chloropropane	<0.00155	0.0500	0.0467	93	58-133	
Dibromochloromethane	<0.000473	0.0500	0.0460	92	77-130	
Dibromomethane	<0.000352	0.0500	0.0464	93	73-126	
1,2-Dichlorobenzene	<0.000431	0.0500	0.0462	92	84-121	
1,3-Dichlorobenzene	<0.000371	0.0500	0.0474	95	84-124	
1,4-Dichlorobenzene	<0.000238	0.0500	0.0468	94	82-120	
Dichlorodifluoromethane	<0.000426	0.0500	0.0429	86	54-122	
1,2-Dichloroethane	<0.000351	0.0500	0.0433	87	70-123	
1,1-Dichloroethane	<0.000201	0.0500	0.0486	97	73-124	
trans-1,2-dichloroethene	<0.000292	0.0500	0.0483	97	63-110	
1,2-Dibromoethane	<0.000423	0.0500	0.0448	90	80-127	
cis-1,2-Dichloroethene	<0.000340	0.0500	0.0493	99	72-131	
1,1-Dichloroethene	<0.000237	0.0500	0.0491	98	68-119	
2,2-Dichloropropane	<0.00118	0.0500	0.0506	101	67-137	
1,3-Dichloropropane	<0.000250	0.0500	0.0450	90	82-131	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Blank Spike Recovery

Project Name: Innsdale

Work Order #: 502475 **Project ID:** 1130021301

Lab Batch #: 962483 **Sample:** 688929-1-BKS **Matrix:** Solid

Date Analyzed: 02/23/2015 **Date Prepared:** 02/23/2015 **Analyst:** MCH

Reporting Units: mg/kg **Batch #:** 1 **BLANK /BLANK SPIKE RECOVERY STUDY**

VOAs by SW-846 8260 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,2-Dichloropropane	<0.000472	0.0500	0.0469	94	75-122	
trans-1,3-dichloropropene	<0.000303	0.0500	0.0492	98	73-125	
1,1-Dichloropropene	<0.000423	0.0500	0.0472	94	72-118	
cis-1,3-Dichloropropene	<0.000428	0.0500	0.0498	100	74-135	
Ethylbenzene	<0.000430	0.0500	0.0481	96	80-123	
Hexachlorobutadiene	<0.000863	0.0500	0.0473	95	77-130	
isopropylbenzene	<0.000167	0.0500	0.0526	105	55-155	
Methylene Chloride	<0.000588	0.0500	0.0463	93	57-134	
Naphthalene	<0.000271	0.0500	0.0470	94	53-162	
n-Propylbenzene	<0.000179	0.0500	0.0510	102	84-131	
Styrene	<0.000150	0.0500	0.0504	101	80-126	
1,1,1,2-Tetrachloroethane	<0.000407	0.0500	0.0474	95	81-127	
1,1,2,2-Tetrachloroethane	<0.000459	0.0500	0.0474	95	75-133	
Tetrachloroethylene	<0.000256	0.0500	0.0463	93	79-124	
Toluene	<0.000462	0.0500	0.0467	93	74-122	
1,2,4-Trichlorobenzene	<0.000434	0.0500	0.0511	102	79-128	
1,2,3-Trichlorobenzene	<0.000243	0.0500	0.0472	94	75-131	
1,1,2-Trichloroethane	<0.000326	0.0500	0.0447	89	75-131	
1,1,1-Trichloroethane	<0.000339	0.0500	0.0481	96	71-124	
Trichloroethene	<0.000327	0.0500	0.0469	94	78-119	
Trichlorofluoromethane	<0.000485	0.0500	0.0456	91	71-148	
1,2,3-Trichloropropane	<0.000701	0.0500	0.0460	92	75-131	
1,2,4-Trimethylbenzene	<0.000113	0.0500	0.0516	103	60-159	
1,3,5-trimethylbenzene	<0.000397	0.0500	0.0523	105	61-160	
Vinyl Chloride	<0.000827	0.0500	0.0471	94	60-123	
o-Xylene	<0.000279	0.0500	0.0514	103	79-125	
m,p-Xylenes	<0.000386	0.100	0.0973	97	78-127	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

BS / BSD Recoveries

Project Name: Innsdale

Work Order #: 502475 **Project ID:** 1130021301

Analyst: PKH **Date Prepared:** 02/18/2015 **Date Analyzed:** 02/19/2015

Lab Batch ID: 962277 **Sample:** 688711-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Total Petroleum Hydrocarbons by Texas 1005 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<0.900	100	80.5	81	100	90.8	91	12	70-130	25	
C12-C28 Diesel Range Hydrocarbons	<0.900	100	71.8	72	100	80.2	80	11	70-130	25	

Analyst: PKH **Date Prepared:** 02/18/2015 **Date Analyzed:** 02/18/2015

Lab Batch ID: 962289 **Sample:** 688709-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Total Petroleum Hydrocarbons by Texas 1005 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<9.00	1000	942	94	1000	988	99	5	70-130	30	
C12-C28 Diesel Range Hydrocarbons	<9.00	1000	870	87	1000	885	89	2	70-130	30	

Analyst: PKH **Date Prepared:** 02/19/2015 **Date Analyzed:** 02/19/2015

Lab Batch ID: 962271 **Sample:** 688761-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Total Petroleum Hydrocarbons by Texas 1005 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<9.00	1000	1060	106	1000	1090	109	3	70-130	30	
C12-C28 Diesel Range Hydrocarbons	<9.00	1000	903	90	1000	972	97	7	70-130	30	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: Innsdale

Work Order #: 502475 **Project ID:** 1130021301

Analyst: MCH **Date Prepared:** 02/19/2015 **Date Analyzed:** 02/19/2015

Lab Batch ID: 962371 **Sample:** 688859-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000157	0.0500	0.0495	99	0.0500	0.0502	100	1	71-119	25	
Bromobenzene	<0.000438	0.0500	0.0511	102	0.0500	0.0498	100	3	84-123	25	
Bromochloromethane	<0.000475	0.0500	0.0478	96	0.0500	0.0523	105	9	71-120	25	
Bromodichloromethane	<0.000265	0.0500	0.0471	94	0.0500	0.0476	95	1	78-126	25	
Bromoform	<0.000698	0.0500	0.0512	102	0.0500	0.0498	100	3	63-136	25	
Bromomethane	<0.00106	0.0500	0.0456	91	0.0500	0.0481	96	5	57-118	25	
MTBE	<0.000340	0.0500	0.0494	99	0.0500	0.0523	105	6	64-148	25	
tert-Butylbenzene	<0.000206	0.0500	0.0576	115	0.0500	0.0575	115	0	83-132	25	
Sec-Butylbenzene	<0.000490	0.0500	0.0559	112	0.0500	0.0566	113	1	84-131	25	
n-Butylbenzene	<0.000470	0.0500	0.0567	113	0.0500	0.0564	113	1	82-127	25	
Carbon Tetrachloride	<0.000234	0.0500	0.0464	93	0.0500	0.0485	97	4	63-135	25	
Chlorobenzene	<0.000239	0.0500	0.0492	98	0.0500	0.0498	100	1	83-121	25	
Chloroethane	<0.000549	0.0500	0.0461	92	0.0500	0.0583	117	23	57-122	25	
Chloroform	<0.000292	0.0500	0.0451	90	0.0500	0.0473	95	5	74-118	25	
Chloromethane	<0.000299	0.0500	0.0471	94	0.0500	0.0482	96	2	58-110	25	
2-Chlorotoluene	<0.000392	0.0500	0.0493	99	0.0500	0.0501	100	2	83-129	25	
4-Chlorotoluene	<0.000439	0.0500	0.0513	103	0.0500	0.0500	100	3	83-125	25	
p-Cymene (p-Isopropyltoluene)	<0.000420	0.0500	0.0564	113	0.0500	0.0569	114	1	84-130	25	
1,2-Dibromo-3-Chloropropane	<0.00155	0.0500	0.0512	102	0.0500	0.0482	96	6	58-133	25	
Dibromochloromethane	<0.000473	0.0500	0.0480	96	0.0500	0.0481	96	0	77-130	25	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: Innsdale

Work Order #: 502475 **Project ID:** 1130021301

Analyst: MCH **Date Prepared:** 02/19/2015 **Date Analyzed:** 02/19/2015

Lab Batch ID: 962371 **Sample:** 688859-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

VOAs by SW-846 8260 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Dibromomethane	<0.000352	0.0500	0.0446	89	0.0500	0.0459	92	3	73-126	25	
1,2-Dichlorobenzene	<0.000431	0.0500	0.0501	100	0.0500	0.0513	103	2	84-121	25	
1,3-Dichlorobenzene	<0.000371	0.0500	0.0527	105	0.0500	0.0527	105	0	84-124	25	
1,4-Dichlorobenzene	<0.000238	0.0500	0.0508	102	0.0500	0.0501	100	1	82-120	25	
Dichlorodifluoromethane	<0.000426	0.0500	0.0424	85	0.0500	0.0444	89	5	54-122	25	
1,2-Dichloroethane	<0.000351	0.0500	0.0432	86	0.0500	0.0446	89	3	70-123	25	
1,1-Dichloroethane	<0.000201	0.0500	0.0466	93	0.0500	0.0482	96	3	73-124	25	
trans-1,2-dichloroethene	<0.000292	0.0500	0.0499	100	0.0500	0.0533	107	7	63-110	25	
1,2-Dibromoethane	<0.000423	0.0500	0.0496	99	0.0500	0.0487	97	2	80-127	25	
cis-1,2-Dichloroethene	<0.000340	0.0500	0.0489	98	0.0500	0.0514	103	5	72-131	25	
1,1-Dichloroethene	<0.000237	0.0500	0.0514	103	0.0500	0.0543	109	5	68-119	25	
2,2-Dichloropropane	<0.00118	0.0500	0.0495	99	0.0500	0.0524	105	6	67-137	25	
1,3-Dichloropropane	<0.000250	0.0500	0.0496	99	0.0500	0.0473	95	5	82-131	25	
1,2-Dichloropropane	<0.000472	0.0500	0.0474	95	0.0500	0.0476	95	0	75-122	25	
trans-1,3-dichloropropene	<0.000303	0.0500	0.0513	103	0.0500	0.0503	101	2	73-125	25	
1,1-Dichloropropene	<0.000423	0.0500	0.0488	98	0.0500	0.0503	101	3	72-118	25	
cis-1,3-Dichloropropene	<0.000428	0.0500	0.0532	106	0.0500	0.0519	104	2	74-135	25	
Ethylbenzene	<0.000430	0.0500	0.0517	103	0.0500	0.0515	103	0	80-123	25	
Hexachlorobutadiene	<0.000863	0.0500	0.0529	106	0.0500	0.0560	112	6	77-130	25	
isopropylbenzene	<0.000167	0.0500	0.0559	112	0.0500	0.0576	115	3	55-155	25	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: Innsdale

Work Order #: 502475 **Project ID:** 1130021301

Analyst: MCH **Date Prepared:** 02/19/2015 **Date Analyzed:** 02/19/2015

Lab Batch ID: 962371 **Sample:** 688859-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

VOAs by SW-846 8260 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Methylene Chloride	<0.000588	0.0500	0.0466	93	0.0500	0.0510	102	9	57-134	25	
Naphthalene	<0.000271	0.0500	0.0568	114	0.0500	0.0591	118	4	53-162	25	
n-Propylbenzene	<0.000179	0.0500	0.0552	110	0.0500	0.0540	108	2	84-131	25	
Styrene	<0.000150	0.0500	0.0540	108	0.0500	0.0538	108	0	80-126	25	
1,1,1,2-Tetrachloroethane	<0.000407	0.0500	0.0490	98	0.0500	0.0507	101	3	81-127	25	
1,1,2,2-Tetrachloroethane	<0.000459	0.0500	0.0508	102	0.0500	0.0490	98	4	75-133	25	
Tetrachloroethylene	<0.000256	0.0500	0.0510	102	0.0500	0.0512	102	0	79-124	25	
Toluene	<0.000462	0.0500	0.0495	99	0.0500	0.0496	99	0	74-122	25	
1,2,4-Trichlorobenzene	<0.000434	0.0500	0.0565	113	0.0500	0.0598	120	6	79-128	25	
1,2,3-Trichlorobenzene	<0.000243	0.0500	0.0538	108	0.0500	0.0575	115	7	75-131	25	
1,1,2-Trichloroethane	<0.000326	0.0500	0.0476	95	0.0500	0.0475	95	0	75-131	25	
1,1,1-Trichloroethane	<0.000339	0.0500	0.0467	93	0.0500	0.0478	96	2	71-124	25	
Trichloroethene	<0.000327	0.0500	0.0489	98	0.0500	0.0490	98	0	78-119	25	
Trichlorofluoromethane	<0.000485	0.0500	0.0459	92	0.0500	0.0472	94	3	71-148	25	
1,2,3-Trichloropropane	<0.000701	0.0500	0.0505	101	0.0500	0.0473	95	7	75-131	25	
1,2,4-Trimethylbenzene	<0.000113	0.0500	0.0549	110	0.0500	0.0563	113	3	60-159	25	
1,3,5-trimethylbenzene	<0.000397	0.0500	0.0547	109	0.0500	0.0551	110	1	61-160	25	
Vinyl Chloride	<0.000827	0.0500	0.0493	99	0.0500	0.0511	102	4	60-123	25	
o-Xylene	<0.000279	0.0500	0.0560	112	0.0500	0.0574	115	2	79-125	25	
m,p-Xylenes	<0.000386	0.100	0.107	107	0.100	0.107	107	0	78-127	25	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: Innsdale

Work Order #: 502475 **Project ID:** 1130021301

Analyst: MCH **Date Prepared:** 02/20/2015 **Date Analyzed:** 02/20/2015

Lab Batch ID: 962382 **Sample:** 688860-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000157	0.0500	0.0495	99	0.0500	0.0499	100	1	71-119	25	
Bromobenzene	<0.000438	0.0500	0.0498	100	0.0500	0.0510	102	2	84-123	25	
Bromochloromethane	<0.000475	0.0500	0.0492	98	0.0500	0.0522	104	6	71-120	25	
Bromodichloromethane	<0.000265	0.0500	0.0502	100	0.0500	0.0508	102	1	78-126	25	
Bromoform	<0.000698	0.0500	0.0497	99	0.0500	0.0503	101	1	63-136	25	
Bromomethane	<0.00106	0.0500	0.0473	95	0.0500	0.0494	99	4	57-118	25	
MTBE	<0.000340	0.0500	0.0519	104	0.0500	0.0543	109	5	64-148	25	
tert-Butylbenzene	<0.000206	0.0500	0.0531	106	0.0500	0.0536	107	1	83-132	25	
Sec-Butylbenzene	<0.000490	0.0500	0.0540	108	0.0500	0.0549	110	2	84-131	25	
n-Butylbenzene	<0.000470	0.0500	0.0527	105	0.0500	0.0542	108	3	82-127	25	
Carbon Tetrachloride	<0.000234	0.0500	0.0503	101	0.0500	0.0504	101	0	63-135	25	
Chlorobenzene	<0.000239	0.0500	0.0486	97	0.0500	0.0493	99	1	83-121	25	
Chloroethane	<0.000549	0.0500	0.0508	102	0.0500	0.0518	104	2	57-122	25	
Chloroform	<0.000292	0.0500	0.0489	98	0.0500	0.0507	101	4	74-118	25	
Chloromethane	<0.000299	0.0500	0.0492	98	0.0500	0.0505	101	3	58-110	25	
2-Chlorotoluene	<0.000392	0.0500	0.0518	104	0.0500	0.0524	105	1	83-129	25	
4-Chlorotoluene	<0.000439	0.0500	0.0500	100	0.0500	0.0511	102	2	83-125	25	
p-Cymene (p-Isopropyltoluene)	<0.000420	0.0500	0.0536	107	0.0500	0.0547	109	2	84-130	25	
1,2-Dibromo-3-Chloropropane	<0.00155	0.0500	0.0495	99	0.0500	0.0513	103	4	58-133	25	
Dibromochloromethane	<0.000473	0.0500	0.0511	102	0.0500	0.0513	103	0	77-130	25	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: Innsdale

Work Order #: 502475 **Project ID:** 1130021301

Analyst: MCH **Date Prepared:** 02/20/2015 **Date Analyzed:** 02/20/2015

Lab Batch ID: 962382 **Sample:** 688860-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

VOAs by SW-846 8260 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Dibromomethane	<0.000352	0.0500	0.0485	97	0.0500	0.0498	100	3	73-126	25	
1,2-Dichlorobenzene	<0.000431	0.0500	0.0487	97	0.0500	0.0505	101	4	84-121	25	
1,3-Dichlorobenzene	<0.000371	0.0500	0.0491	98	0.0500	0.0496	99	1	84-124	25	
1,4-Dichlorobenzene	<0.000238	0.0500	0.0473	95	0.0500	0.0489	98	3	82-120	25	
Dichlorodifluoromethane	<0.000426	0.0500	0.0470	94	0.0500	0.0472	94	0	54-122	25	
1,2-Dichloroethane	<0.000351	0.0500	0.0476	95	0.0500	0.0480	96	1	70-123	25	
1,1-Dichloroethane	<0.000201	0.0500	0.0503	101	0.0500	0.0515	103	2	73-124	25	
trans-1,2-dichloroethene	<0.000292	0.0500	0.0498	100	0.0500	0.0506	101	2	63-110	25	
1,2-Dibromoethane	<0.000423	0.0500	0.0482	96	0.0500	0.0498	100	3	80-127	25	
cis-1,2-Dichloroethene	<0.000340	0.0500	0.0508	102	0.0500	0.0515	103	1	72-131	25	
1,1-Dichloroethene	<0.000237	0.0500	0.0505	101	0.0500	0.0520	104	3	68-119	25	
2,2-Dichloropropane	<0.00118	0.0500	0.0518	104	0.0500	0.0543	109	5	67-137	25	
1,3-Dichloropropane	<0.000250	0.0500	0.0478	96	0.0500	0.0487	97	2	82-131	25	
1,2-Dichloropropane	<0.000472	0.0500	0.0506	101	0.0500	0.0503	101	1	75-122	25	
trans-1,3-dichloropropene	<0.000303	0.0500	0.0525	105	0.0500	0.0526	105	0	73-125	25	
1,1-Dichloropropene	<0.000423	0.0500	0.0493	99	0.0500	0.0499	100	1	72-118	25	
cis-1,3-Dichloropropene	<0.000428	0.0500	0.0522	104	0.0500	0.0536	107	3	74-135	25	
Ethylbenzene	<0.000430	0.0500	0.0499	100	0.0500	0.0510	102	2	80-123	25	
Hexachlorobutadiene	<0.000863	0.0500	0.0484	97	0.0500	0.0496	99	2	77-130	25	
isopropylbenzene	<0.000167	0.0500	0.0548	110	0.0500	0.0549	110	0	55-155	25	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: Innsdale

Work Order #: 502475 **Project ID:** 1130021301

Analyst: MCH **Date Prepared:** 02/20/2015 **Date Analyzed:** 02/20/2015

Lab Batch ID: 962382 **Sample:** 688860-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

VOAs by SW-846 8260 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Methylene Chloride	<0.000588	0.0500	0.0474	95	0.0500	0.0489	98	3	57-134	25	
Naphthalene	<0.000271	0.0500	0.0488	98	0.0500	0.0508	102	4	53-162	25	
n-Propylbenzene	<0.000179	0.0500	0.0518	104	0.0500	0.0528	106	2	84-131	25	
Styrene	<0.000150	0.0500	0.0530	106	0.0500	0.0528	106	0	80-126	25	
1,1,1,2-Tetrachloroethane	<0.000407	0.0500	0.0501	100	0.0500	0.0512	102	2	81-127	25	
1,1,2,2-Tetrachloroethane	<0.000459	0.0500	0.0473	95	0.0500	0.0493	99	4	75-133	25	
Tetrachloroethylene	<0.000256	0.0500	0.0486	97	0.0500	0.0489	98	1	79-124	25	
Toluene	<0.000462	0.0500	0.0492	98	0.0500	0.0493	99	0	74-122	25	
1,2,4-Trichlorobenzene	<0.000434	0.0500	0.0515	103	0.0500	0.0528	106	2	79-128	25	
1,2,3-Trichlorobenzene	<0.000243	0.0500	0.0507	101	0.0500	0.0498	100	2	75-131	25	
1,1,2-Trichloroethane	<0.000326	0.0500	0.0479	96	0.0500	0.0491	98	2	75-131	25	
1,1,1-Trichloroethane	<0.000339	0.0500	0.0493	99	0.0500	0.0499	100	1	71-124	25	
Trichloroethene	<0.000327	0.0500	0.0505	101	0.0500	0.0516	103	2	78-119	25	
Trichlorofluoromethane	<0.000485	0.0500	0.0492	98	0.0500	0.0502	100	2	71-148	25	
1,2,3-Trichloropropane	<0.000701	0.0500	0.0489	98	0.0500	0.0492	98	1	75-131	25	
1,2,4-Trimethylbenzene	<0.000113	0.0500	0.0533	107	0.0500	0.0540	108	1	60-159	25	
1,3,5-trimethylbenzene	<0.000397	0.0500	0.0538	108	0.0500	0.0550	110	2	61-160	25	
Vinyl Chloride	<0.000827	0.0500	0.0490	98	0.0500	0.0510	102	4	60-123	25	
o-Xylene	<0.000279	0.0500	0.0532	106	0.0500	0.0539	108	1	79-125	25	
m,p-Xylenes	<0.000386	0.100	0.101	101	0.100	0.101	101	0	78-127	25	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: Innsdale

Work Order #: 502475

Lab Batch #: 962277 **Project ID:** 1130021301

Date Analyzed: 02/19/2015 **Date Prepared:** 02/18/2015 **Analyst:** PKH

QC- Sample ID: 502509-001 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TPH by Texas1005 Analytes	MATRIX / MATRIX SPIKE RECOVERY STUDY					
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
C6-C12 Gasoline Range Hydrocarbons	55.6	93.0	139	90	70-130	
C12-C28 Diesel Range Hydrocarbons	1.30	93.0	76.8	81	70-130	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Form 3 - MS / MSD Recoveries

Project Name: Innsdale

Work Order # : 502475 **Project ID:** 1130021301

Lab Batch ID: 962225 **QC- Sample ID:** 502412-003 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 02/18/2015 **Date Prepared:** 02/18/2015 **Analyst:** SAD

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX-MTBE by SW 8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
MTBE	<0.000508	0.500	0.506	101	0.500	0.474	95	7	65-135	20	
Benzene	0.000410	0.100	0.0792	79	0.100	0.0827	82	4	66-142	20	
Toluene	<0.000153	0.100	0.0723	72	0.100	0.0804	80	11	59-139	20	
Ethylbenzene	0.000160	0.100	0.0858	86	0.100	0.0807	81	6	75-125	20	
m,p-Xylenes	0.000450	0.200	0.181	90	0.200	0.182	91	1	75-125	20	
o-Xylene	0.000110	0.100	0.0919	92	0.100	0.0874	87	5	75-125	20	

Lab Batch ID: 962424 **QC- Sample ID:** 502793-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/23/2015 **Date Prepared:** 02/23/2015 **Analyst:** SAD

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX-MTBE by SW 8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
MTBE	<0.000844	0.717	0.681	95	0.702	0.708	101	4	68-138	25	
Benzene	<0.000276	0.143	0.147	103	0.140	0.144	103	2	62-132	25	
Toluene	<0.000185	0.143	0.160	112	0.140	0.161	115	1	66-124	25	
Ethylbenzene	<0.000137	0.143	0.159	111	0.140	0.155	111	3	71-134	25	
m,p-Xylenes	<0.000519	0.287	0.341	119	0.281	0.330	117	3	69-128	25	
o-Xylene	<0.000328	0.143	0.164	115	0.140	0.157	112	4	72-131	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Innsdale

Work Order # : 502475 **Project ID:** 1130021301

Lab Batch ID: 962271 **QC- Sample ID:** 502666-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/19/2015 **Date Prepared:** 02/19/2015 **Analyst:** PKH

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Total Petroleum Hydrocarbons by Texas 1005 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<11.5	1280	1300	102	1270	1350	106	4	70-130	30	
C12-C28 Diesel Range Hydrocarbons	<11.5	1280	1140	89	1270	1270	100	11	70-130	30	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable

N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Innsdale

Work Order # : 502475 **Project ID:** 1130021301

Lab Batch ID: 962371 **QC- Sample ID:** 502475-004 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/19/2015 **Date Prepared:** 02/19/2015 **Analyst:** MCH

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000189	0.0601	0.0532	89	0.0603	0.0552	92	4	66-142	25	
Bromobenzene	<0.000527	0.0601	0.0566	94	0.0603	0.0584	97	3	75-125	25	
Bromochloromethane	<0.000571	0.0601	0.0548	91	0.0603	0.0558	93	2	60-140	25	
Bromodichloromethane	<0.000319	0.0601	0.0533	89	0.0603	0.0545	90	2	75-125	25	
Bromoform	<0.000840	0.0601	0.0566	94	0.0603	0.0587	97	4	75-125	25	
Bromomethane	<0.00127	0.0601	0.0514	86	0.0603	0.0525	87	2	60-140	25	
MTBE	<0.000409	0.0601	0.0524	87	0.0603	0.0551	91	5	60-140	25	
tert-Butylbenzene	<0.000248	0.0601	0.0616	102	0.0603	0.0635	105	3	75-125	25	
Sec-Butylbenzene	<0.000590	0.0601	0.0603	100	0.0603	0.0626	104	4	75-125	25	
n-Butylbenzene	<0.000565	0.0601	0.0597	99	0.0603	0.0612	101	2	75-125	25	
Carbon Tetrachloride	<0.000281	0.0601	0.0524	87	0.0603	0.0523	87	0	62-125	25	
Chlorobenzene	<0.000288	0.0601	0.0536	89	0.0603	0.0569	94	6	60-133	25	
Chloroethane	<0.000660	0.0601	0.0622	103	0.0603	0.0497	82	22	60-140	25	
Chloroform	<0.000352	0.0601	0.0502	84	0.0603	0.0519	86	3	74-125	25	
Chloromethane	<0.000359	0.0601	0.0467	78	0.0603	0.0507	84	8	60-140	25	
2-Chlorotoluene	<0.000472	0.0601	0.0488	81	0.0603	0.0502	83	3	73-125	25	
4-Chlorotoluene	<0.000528	0.0601	0.0558	93	0.0603	0.0573	95	3	74-125	25	
p-Cymene (p-Isopropyltoluene)	<0.000506	0.0601	0.0609	101	0.0603	0.0630	104	3	75-125	25	
1,2-Dibromo-3-Chloropropane	<0.00187	0.0601	0.0510	85	0.0603	0.0553	92	8	59-125	25	
Dibromochloromethane	<0.000569	0.0601	0.0527	88	0.0603	0.0567	94	7	73-125	25	
Dibromomethane	<0.000424	0.0601	0.0509	85	0.0603	0.0529	88	4	69-127	25	
1,2-Dichlorobenzene	<0.000518	0.0601	0.0553	92	0.0603	0.0573	95	4	75-125	25	
1,3-Dichlorobenzene	<0.000447	0.0601	0.0574	96	0.0603	0.0587	97	2	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Innsdale

Work Order # : 502475 **Project ID:** 1130021301

Lab Batch ID: 962371 **QC- Sample ID:** 502475-004 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/19/2015 **Date Prepared:** 02/19/2015 **Analyst:** MCH

Reporting Units: mg/kg

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,4-Dichlorobenzene	<0.000286	0.0601	0.0551	92	0.0603	0.0566	94	3	75-125	25	
Dichlorodifluoromethane	<0.000512	0.0601	0.0452	75	0.0603	0.0460	76	2	65-135	25	
1,2-Dichloroethane	<0.000422	0.0601	0.0490	82	0.0603	0.0507	84	3	68-127	25	
1,1-Dichloroethane	<0.000242	0.0601	0.0508	85	0.0603	0.0519	86	2	72-125	25	
1,2-Dibromoethane	<0.000509	0.0601	0.0533	89	0.0603	0.0557	92	4	73-125	25	
trans-1,2-dichloroethene	<0.000352	0.0601	0.0533	89	0.0603	0.0550	91	3	75-125	25	
cis-1,2-Dichloroethene	<0.000409	0.0601	0.0549	91	0.0603	0.0550	91	0	75-125	25	
1,1-Dichloroethene	<0.000285	0.0601	0.0546	91	0.0603	0.0549	91	1	59-172	25	
2,2-Dichloropropane	<0.00142	0.0601	0.0518	86	0.0603	0.0588	98	13	75-125	25	
1,3-Dichloropropane	<0.000301	0.0601	0.0518	86	0.0603	0.0555	92	7	75-125	25	
1,2-Dichloropropane	<0.000568	0.0601	0.0522	87	0.0603	0.0545	90	4	74-125	25	
trans-1,3-dichloropropene	<0.000365	0.0601	0.0559	93	0.0603	0.0587	97	5	66-125	25	
1,1-Dichloropropene	<0.000509	0.0601	0.0525	87	0.0603	0.0532	88	1	75-125	25	
cis-1,3-Dichloropropene	<0.000514	0.0601	0.0583	97	0.0603	0.0609	101	4	74-125	25	
Ethylbenzene	<0.000517	0.0601	0.0552	92	0.0603	0.0576	96	4	75-125	25	
Hexachlorobutadiene	<0.00104	0.0601	0.0571	95	0.0603	0.0607	101	6	75-125	25	
isopropylbenzene	<0.000201	0.0601	0.0597	99	0.0603	0.0626	104	5	75-125	25	
Methylene Chloride	<0.000708	0.0601	0.0523	87	0.0603	0.0548	91	5	75-125	25	
Naphthalene	<0.000326	0.0601	0.0582	97	0.0603	0.0644	107	10	70-130	25	
n-Propylbenzene	<0.000215	0.0601	0.0589	98	0.0603	0.0601	100	2	75-125	25	
Styrene	<0.000181	0.0601	0.0582	97	0.0603	0.0616	102	6	75-125	25	
1,1,1,2-Tetrachloroethane	<0.000489	0.0601	0.0539	90	0.0603	0.0568	94	5	72-125	25	
1,1,2,2-Tetrachloroethane	<0.000552	0.0601	0.0552	92	0.0603	0.0574	95	4	74-125	25	
Tetrachloroethylene	<0.000308	0.0601	0.0535	89	0.0603	0.0569	94	6	71-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Innsdale

Work Order # : 502475 **Project ID:** 1130021301

Lab Batch ID: 962371 **QC- Sample ID:** 502475-004 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/19/2015 **Date Prepared:** 02/19/2015 **Analyst:** MCH

Reporting Units: mg/kg

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Toluene	<0.000556	0.0601	0.0534	89	0.0603	0.0564	94	5	59-139	25	
1,2,4-Trichlorobenzene	<0.000522	0.0601	0.0600	100	0.0603	0.0630	104	5	75-135	25	
1,2,3-Trichlorobenzene	<0.000292	0.0601	0.0577	96	0.0603	0.0622	103	8	75-137	25	
1,1,2-Trichloroethane	<0.000392	0.0601	0.0525	87	0.0603	0.0557	92	6	75-127	25	
1,1,1-Trichloroethane	<0.000407	0.0601	0.0511	85	0.0603	0.0515	85	1	75-125	25	
Trichloroethene	<0.000393	0.0601	0.0519	86	0.0603	0.0536	89	3	62-137	25	
Trichlorofluoromethane	<0.000584	0.0601	0.0502	84	0.0603	0.0505	84	1	67-125	25	
1,2,3-Trichloropropane	<0.000844	0.0601	0.0532	89	0.0603	0.0559	93	5	75-125	25	
1,2,4-Trimethylbenzene	<0.000136	0.0601	0.0602	100	0.0603	0.0623	103	3	75-125	25	
1,3,5-trimethylbenzene	<0.000478	0.0601	0.0595	99	0.0603	0.0607	101	2	70-130	25	
Vinyl Chloride	<0.000995	0.0601	0.0499	83	0.0603	0.0528	88	6	60-140	25	
o-Xylene	<0.000335	0.0601	0.0603	100	0.0603	0.0649	108	7	75-125	25	
m,p-Xylenes	<0.000464	0.120	0.114	95	0.121	0.120	99	5	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Innsdale

Work Order # : 502475 **Project ID:** 1130021301

Lab Batch ID: 962382 **QC- Sample ID:** 502475-021 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/20/2015 **Date Prepared:** 02/20/2015 **Analyst:** MCH

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000213	0.0678	0.0661	97	0.0674	0.0532	79	22	66-142	25	
Bromobenzene	<0.000594	0.0678	0.0608	90	0.0674	0.0442	66	32	75-125	25	XF
Bromochloromethane	<0.000645	0.0678	0.0586	86	0.0674	0.0457	68	25	60-140	25	
Bromodichloromethane	<0.000360	0.0678	0.0604	89	0.0674	0.0452	67	29	75-125	25	XF
Bromoform	<0.000948	0.0678	0.0567	84	0.0674	0.0384	57	38	75-125	25	XF
Bromomethane	<0.00143	0.0678	0.0662	98	0.0674	0.0564	84	16	60-140	25	
MTBE	<0.000462	0.136	0.0574	42	0.0674	0.0438	65	27	60-140	25	XF
tert-Butylbenzene	<0.000280	0.0678	0.0744	110	0.0674	0.0597	89	22	75-125	25	
Sec-Butylbenzene	<0.000665	0.0678	0.0783	115	0.0674	0.0629	93	22	75-125	25	
n-Butylbenzene	<0.000637	0.0678	0.0769	113	0.0674	0.0614	91	22	75-125	25	
Carbon Tetrachloride	<0.000317	0.0678	0.0759	112	0.0674	0.0664	99	13	62-125	25	
Chlorobenzene	<0.000325	0.0678	0.0608	90	0.0674	0.0480	71	24	60-133	25	
Chloroethane	<0.000744	0.0678	0.0729	108	0.0674	0.0629	93	15	60-140	25	
Chloroform	<0.000397	0.0678	0.0641	95	0.0674	0.0513	76	22	74-125	25	
Chloromethane	<0.000405	0.0678	0.0674	99	0.0674	0.0579	86	15	60-140	25	
2-Chlorotoluene	<0.000532	0.0678	0.0677	100	0.0674	0.0520	77	26	73-125	25	F
4-Chlorotoluene	<0.000596	0.0678	0.0656	97	0.0674	0.0491	73	29	74-125	25	XF
p-Cymene (p-Isopropyltoluene)	<0.000570	0.0678	0.0776	114	0.0674	0.0610	91	24	75-125	25	
1,2-Dibromo-3-Chloropropane	<0.00210	0.0678	0.0624	92	0.0674	0.0372	55	51	59-125	25	XF
Dibromochloromethane	<0.000641	0.0678	0.0573	85	0.0674	0.0414	61	32	73-125	25	XF
Dibromomethane	<0.000478	0.0678	0.0560	83	0.0674	0.0401	59	33	69-127	25	XF
1,2-Dichlorobenzene	<0.000585	0.0678	0.0604	89	0.0674	0.0445	66	30	75-125	25	XF
1,3-Dichlorobenzene	<0.000504	0.0678	0.0615	91	0.0674	0.0461	68	29	75-125	25	XF

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Innsdale

Work Order # : 502475 **Project ID:** 1130021301

Lab Batch ID: 962382 **QC- Sample ID:** 502475-021 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/20/2015 **Date Prepared:** 02/20/2015 **Analyst:** MCH

Reporting Units: mg/kg

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,4-Dichlorobenzene	<0.000322	0.0678	0.0605	89	0.0674	0.0438	65	32	75-125	25	XF
Dichlorodifluoromethane	<0.000577	0.0678	0.0694	102	0.0674	0.0625	93	10	65-135	25	
1,2-Dichloroethane	<0.000476	0.0678	0.0556	82	0.0674	0.0411	61	30	68-127	25	XF
1,1-Dichloroethane	<0.000273	0.0678	0.0654	96	0.0674	0.0559	83	16	72-125	25	
1,2-Dibromoethane	<0.000574	0.0678	0.0541	80	0.0674	0.0383	57	34	73-125	25	XF
trans-1,2-dichloroethene	<0.000397	0.0678	0.0694	102	0.0674	0.0595	88	15	75-125	25	
cis-1,2-Dichloroethene	<0.000462	0.0678	0.0641	95	0.0674	0.0529	78	19	75-125	25	
1,1-Dichloroethene	<0.000322	0.0678	0.0739	109	0.0674	0.0645	96	14	59-172	25	
2,2-Dichloropropane	<0.00161	0.0678	0.0788	116	0.0674	0.0691	103	13	75-125	25	
1,3-Dichloropropane	<0.000339	0.0678	0.0543	80	0.0674	0.0384	57	34	75-125	25	XF
1,2-Dichloropropane	<0.000641	0.0678	0.0617	91	0.0674	0.0475	70	26	74-125	25	XF
trans-1,3-dichloropropene	<0.000412	0.0678	0.0575	85	0.0674	0.0403	60	35	66-125	25	XF
1,1-Dichloropropene	<0.000574	0.0678	0.0708	104	0.0674	0.0614	91	14	75-125	25	
cis-1,3-Dichloropropene	<0.000580	0.0678	0.0594	88	0.0674	0.0421	62	34	74-125	25	XF
Ethylbenzene	<0.000583	0.0678	0.0695	103	0.0674	0.0576	85	19	75-125	25	
Hexachlorobutadiene	<0.00117	0.0678	0.0751	111	0.0674	0.0603	89	22	75-125	25	
isopropylbenzene	<0.000227	0.0678	0.0768	113	0.0674	0.0649	96	17	75-125	25	
Methylene Chloride	<0.000798	0.0678	0.0578	85	0.0674	0.0483	72	18	75-125	25	X
Naphthalene	<0.000368	0.0678	0.0565	83	0.0674	0.0385	57	38	70-130	25	XF
n-Propylbenzene	<0.000243	0.0678	0.0730	108	0.0674	0.0588	87	22	75-125	25	
Styrene	<0.000204	0.0678	0.0658	97	0.0674	0.0503	75	27	75-125	25	F
1,1,1,2-Tetrachloroethane	<0.000552	0.0678	0.0636	94	0.0674	0.0500	74	24	72-125	25	
1,1,2,2-Tetrachloroethane	<0.000622	0.0678	0.0580	86	0.0674	0.0388	58	40	74-125	25	XF
Tetrachloroethylene	<0.000347	0.0678	0.0701	103	0.0674	0.0591	88	17	71-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Innsdale

Work Order # : 502475 **Project ID:** 1130021301

Lab Batch ID: 962382 **QC- Sample ID:** 502475-021 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/20/2015 **Date Prepared:** 02/20/2015 **Analyst:** MCH

Reporting Units: mg/kg

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Toluene	0.000853	0.0678	0.0656	95	0.0674	0.0533	78	21	59-139	25	
1,2,4-Trichlorobenzene	<0.000589	0.0678	0.0637	94	0.0674	0.0438	65	37	75-135	25	XF
1,2,3-Trichlorobenzene	<0.000329	0.0678	0.0611	90	0.0674	0.0405	60	41	75-137	25	XF
1,1,2-Trichloroethane	<0.000442	0.0678	0.0543	80	0.0674	0.0396	59	31	75-127	25	XF
1,1,1-Trichloroethane	<0.000460	0.0678	0.0720	106	0.0674	0.0620	92	15	75-125	25	
Trichloroethene	<0.000444	0.0678	0.0673	99	0.0674	0.0551	82	20	62-137	25	
Trichlorofluoromethane	<0.000659	0.0678	0.0755	111	0.0674	0.0667	99	12	67-125	25	
1,2,3-Trichloropropane	<0.000952	0.0678	0.0558	82	0.0674	0.0371	55	40	75-125	25	XF
1,2,4-Trimethylbenzene	<0.000153	0.0678	0.0713	105	0.0674	0.0550	82	26	75-125	25	F
1,3,5-trimethylbenzene	<0.000539	0.0678	0.0744	110	0.0674	0.0576	85	25	70-130	25	
Vinyl Chloride	<0.00112	0.0678	0.0715	105	0.0674	0.0671	100	6	60-140	25	
o-Xylene	<0.000378	0.0678	0.0698	103	0.0674	0.0568	84	21	75-125	25	
m,p-Xylenes	<0.000524	0.136	0.138	101	0.135	0.113	84	20	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Innsdale

Work Order # : 502475 **Project ID:** 1130021301

Lab Batch ID: 962414 **QC- Sample ID:** 502413-005 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 02/20/2015 **Date Prepared:** 02/20/2015 **Analyst:** MCH

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000204	0.0500	0.0457	91	0.0500	0.0449	90	2	66-142	25	
Bromobenzene	<0.000324	0.0500	0.0443	89	0.0500	0.0436	87	2	75-125	25	
Bromochloromethane	<0.000562	0.0500	0.0447	89	0.0500	0.0458	92	2	60-140	25	
Bromodichloromethane	<0.000242	0.0500	0.0491	98	0.0500	0.0471	94	4	75-125	25	
Bromoform	<0.000848	0.0500	0.0487	97	0.0500	0.0471	94	3	75-125	25	
Bromomethane	<0.000450	0.0500	0.0542	108	0.0500	0.0511	102	6	60-140	25	
MTBE	<0.00122	0.0500	0.0525	105	0.0500	0.0532	106	1	65-135	25	
tert-Butylbenzene	<0.000178	0.0500	0.0456	91	0.0500	0.0438	88	4	75-125	25	
Sec-Butylbenzene	<0.000101	0.0500	0.0473	95	0.0500	0.0457	91	3	75-125	25	
n-Butylbenzene	<0.0000832	0.0500	0.0445	89	0.0500	0.0430	86	3	75-125	25	
Carbon Tetrachloride	<0.000279	0.0500	0.0500	100	0.0500	0.0477	95	5	62-125	25	
Chlorobenzene	<0.000223	0.0500	0.0453	91	0.0500	0.0423	85	7	60-133	25	
Chloroethane	<0.000253	0.0500	0.0490	98	0.0500	0.0370	74	28	60-140	25	F
Chloroform	<0.000241	0.0500	0.0455	91	0.0500	0.0451	90	1	70-130	25	
Chloromethane	<0.000465	0.0500	0.0518	104	0.0500	0.0496	99	4	60-140	25	
2-Chlorotoluene	<0.000143	0.0500	0.0482	96	0.0500	0.0463	93	4	73-125	25	
4-Chlorotoluene	<0.000174	0.0500	0.0462	92	0.0500	0.0437	87	6	74-125	25	
p-Cymene (p-Isopropyltoluene)	<0.000577	0.0500	0.0429	86	0.0500	0.0407	81	5	75-125	25	
1,2-Dibromo-3-Chloropropane	<0.00160	0.0500	0.0456	91	0.0500	0.0431	86	6	59-125	25	
Dibromochloromethane	<0.000452	0.0500	0.0499	100	0.0500	0.0475	95	5	73-125	25	
Dibromomethane	<0.000411	0.0500	0.0462	92	0.0500	0.0450	90	3	69-127	25	
1,2-Dichlorobenzene	<0.000286	0.0500	0.0451	90	0.0500	0.0440	88	2	75-125	25	
1,3-Dichlorobenzene	<0.000417	0.0500	0.0460	92	0.0500	0.0437	87	5	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Innsdale

Work Order # : 502475 **Project ID:** 1130021301

Lab Batch ID: 962414 **QC- Sample ID:** 502413-005 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 02/20/2015 **Date Prepared:** 02/20/2015 **Analyst:** MCH

Reporting Units: mg/L

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,4-Dichlorobenzene	<0.000198	0.0500	0.0444	89	0.0500	0.0436	87	2	75-125	25	
Dichlorodifluoromethane	<0.000311	0.0500	0.0701	140	0.0500	0.0673	135	4	70-130	25	X
1,2-Dichloroethane	<0.000158	0.0500	0.0461	92	0.0500	0.0444	89	4	68-127	25	
1,1-Dichloroethane	<0.000158	0.0500	0.0485	97	0.0500	0.0472	94	3	72-125	25	
1,2-Dibromoethane	<0.000494	0.0500	0.0475	95	0.0500	0.0459	92	3	73-125	25	
trans-1,2-dichloroethene	0.00481	0.0500	0.0537	98	0.0500	0.0511	93	5	75-125	25	
cis-1,2-Dichloroethene	0.00296	0.0500	0.0504	95	0.0500	0.0499	94	1	75-125	25	
1,1-Dichloroethene	<0.000272	0.0500	0.0465	93	0.0500	0.0447	89	4	59-172	25	
2,2-Dichloropropane	<0.000453	0.0500	0.0497	99	0.0500	0.0471	94	5	75-125	25	
1,3-Dichloropropane	<0.000475	0.0500	0.0498	100	0.0500	0.0477	95	4	75-125	25	
1,2-Dichloropropane	<0.000474	0.0500	0.0457	91	0.0500	0.0446	89	2	74-125	25	
trans-1,3-dichloropropene	<0.000291	0.0500	0.0420	84	0.0500	0.0396	79	6	66-125	25	
1,1-Dichloropropene	<0.000227	0.0500	0.0488	98	0.0500	0.0448	90	9	75-125	25	
cis-1,3-Dichloropropene	<0.000380	0.0500	0.0445	89	0.0500	0.0433	87	3	74-125	25	
Ethylbenzene	<0.000221	0.0500	0.0478	96	0.0500	0.0445	89	7	75-125	25	
Hexachlorobutadiene	<0.000456	0.0500	0.0460	92	0.0500	0.0465	93	1	75-125	25	
isopropylbenzene	<0.0000915	0.0500	0.0446	89	0.0500	0.0417	83	7	75-125	25	
Naphthalene	<0.000182	0.0500	0.0426	85	0.0500	0.0432	86	1	70-130	25	
n-Propylbenzene	<0.000167	0.0500	0.0518	104	0.0500	0.0493	99	5	75-125	25	
Styrene	<0.000153	0.0500	0.0491	98	0.0500	0.0456	91	7	75-125	25	
1,1,1,2-Tetrachloroethane	<0.000276	0.0500	0.0501	100	0.0500	0.0460	92	9	72-125	25	
1,1,2,2-Tetrachloroethane	<0.000321	0.0500	0.0444	89	0.0500	0.0442	88	0	74-125	25	
Toluene	<0.000268	0.0500	0.0448	90	0.0500	0.0427	85	5	59-139	25	
1,2,4-Trichlorobenzene	<0.000207	0.0500	0.0432	86	0.0500	0.0438	88	1	75-135	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Innsdale

Work Order # : 502475 **Project ID:** 1130021301

Lab Batch ID: 962414 **QC- Sample ID:** 502413-005 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 02/20/2015 **Date Prepared:** 02/20/2015 **Analyst:** MCH

Reporting Units: mg/L

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,2,3-Trichlorobenzene	<0.000272	0.0500	0.0466	93	0.0500	0.0502	100	7	75-137	25	
1,1,2-Trichloroethane	<0.000461	0.0500	0.0481	96	0.0500	0.0470	94	2	75-127	25	
1,1,1-Trichloroethane	<0.000213	0.0500	0.0475	95	0.0500	0.0448	90	6	75-125	25	
Trichloroethene	0.0367	0.0500	0.0892	105	0.0500	0.0862	99	3	62-137	25	
Trichlorofluoromethane	<0.000419	0.0500	0.0519	104	0.0500	0.0493	99	5	60-140	25	
1,2,3-Trichloropropane	<0.000214	0.0500	0.0460	92	0.0500	0.0441	88	4	75-125	25	
1,2,4-Trimethylbenzene	<0.0000719	0.0500	0.0482	96	0.0500	0.0469	94	3	75-125	25	
1,3,5-trimethylbenzene	<0.000134	0.0500	0.0479	96	0.0500	0.0456	91	5	70-125	25	
o-Xylene	<0.000149	0.0500	0.0492	98	0.0500	0.0472	94	4	75-125	25	
m,p-Xylenes	<0.000847	0.100	0.0987	99	0.100	0.0914	91	8	75-125	25	
Methylene Chloride	<0.000927	0.0500	0.0443	89	0.0500	0.0432	86	3	75-125	25	
Tetrachloroethylene	0.179	0.0500	0.227	96	0.0500	0.210	62	8	71-125	25	X
Vinyl Chloride	<0.000292	0.0500	0.0516	103	0.0500	0.0479	96	7	60-140	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Innsdale

Work Order # : 502475 **Project ID:** 1130021301

Lab Batch ID: 962483 **QC- Sample ID:** 502475-022 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/23/2015 **Date Prepared:** 02/23/2015 **Analyst:** MCH

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000387	0.123	0.114	93	0.124	0.124	100	8	66-142	25	
Bromobenzene	<0.00108	0.123	0.119	97	0.124	0.116	94	3	75-125	25	
Bromochloromethane	<0.00117	0.123	0.110	89	0.124	0.123	99	11	60-140	25	
Bromodichloromethane	<0.000655	0.123	0.111	90	0.124	0.120	97	8	75-125	25	
Bromoform	<0.00172	0.123	0.108	88	0.124	0.113	91	5	75-125	25	
Bromomethane	<0.00260	0.123	0.100	81	0.124	0.120	97	18	60-140	25	
MTBE	<0.000839	0.123	0.116	94	0.124	0.132	106	13	60-140	25	
tert-Butylbenzene	<0.000509	0.123	0.124	101	0.124	0.131	106	5	75-125	25	
Sec-Butylbenzene	<0.00121	0.123	0.125	102	0.124	0.131	106	5	75-125	25	
n-Butylbenzene	<0.00116	0.123	0.118	96	0.124	0.127	102	7	75-125	25	
Carbon Tetrachloride	<0.000576	0.123	0.108	88	0.124	0.123	99	13	62-125	25	
Chlorobenzene	<0.000590	0.123	0.112	91	0.124	0.116	94	4	60-133	25	
Chloroethane	<0.00135	0.123	0.130	106	0.124	0.134	108	3	60-140	25	
Chloroform	<0.000721	0.123	0.109	89	0.124	0.124	100	13	74-125	25	
Chloromethane	<0.000736	0.123	0.102	83	0.124	0.120	97	16	60-140	25	
2-Chlorotoluene	<0.000968	0.123	0.119	97	0.124	0.124	100	4	73-125	25	
4-Chlorotoluene	<0.00108	0.123	0.115	93	0.124	0.114	92	1	74-125	25	
p-Cymene (p-Isopropyltoluene)	<0.00104	0.123	0.123	100	0.124	0.128	103	4	75-125	25	
1,2-Dibromo-3-Chloropropane	<0.00383	0.123	0.105	85	0.124	0.121	98	14	59-125	25	
Dibromochloromethane	<0.00117	0.123	0.112	91	0.124	0.117	94	4	73-125	25	
Dibromomethane	<0.000869	0.123	0.111	90	0.124	0.116	94	4	69-127	25	
1,2-Dichlorobenzene	<0.00106	0.123	0.111	90	0.124	0.117	94	5	75-125	25	
1,3-Dichlorobenzene	<0.000916	0.123	0.112	91	0.124	0.114	92	2	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Innsdale

Work Order # : 502475 **Project ID:** 1130021301

Lab Batch ID: 962483 **QC- Sample ID:** 502475-022 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/23/2015 **Date Prepared:** 02/23/2015 **Analyst:** MCH

Reporting Units: mg/kg

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,4-Dichlorobenzene	<0.000586	0.123	0.110	89	0.124	0.110	89	0	75-125	25	
Dichlorodifluoromethane	<0.00105	0.123	0.0937	76	0.124	0.111	90	17	65-135	25	
1,2-Dichloroethane	<0.000865	0.123	0.107	87	0.124	0.113	91	5	68-127	25	
1,1-Dichloroethane	<0.000496	0.123	0.112	91	0.124	0.127	102	13	72-125	25	
1,2-Dibromoethane	<0.00104	0.123	0.110	89	0.124	0.112	90	2	73-125	25	
trans-1,2-dichloroethene	<0.000721	0.123	0.110	89	0.124	0.126	102	14	75-125	25	
cis-1,2-Dichloroethene	<0.000839	0.123	0.112	91	0.124	0.127	102	13	75-125	25	
1,1-Dichloroethene	<0.000585	0.123	0.111	90	0.124	0.127	102	13	59-172	25	
2,2-Dichloropropane	<0.00292	0.123	0.104	85	0.124	0.129	104	21	75-125	25	
1,3-Dichloropropane	<0.000616	0.123	0.112	91	0.124	0.110	89	2	75-125	25	
1,2-Dichloropropane	<0.00117	0.123	0.118	96	0.124	0.119	96	1	74-125	25	
trans-1,3-dichloropropene	<0.000748	0.123	0.118	96	0.124	0.114	92	3	66-125	25	
1,1-Dichloropropene	<0.00104	0.123	0.108	88	0.124	0.120	97	11	75-125	25	
cis-1,3-Dichloropropene	<0.00105	0.123	0.118	96	0.124	0.114	92	3	74-125	25	
Ethylbenzene	<0.00106	0.123	0.118	96	0.124	0.124	100	5	75-125	25	
Hexachlorobutadiene	<0.00213	0.123	0.104	85	0.124	0.121	98	15	75-125	25	
isopropylbenzene	<0.000413	0.123	0.125	102	0.124	0.138	111	10	75-125	25	
Methylene Chloride	<0.00145	0.123	0.106	86	0.124	0.122	98	14	75-125	25	
Naphthalene	<0.000669	0.123	0.106	86	0.124	0.125	101	16	70-130	25	
n-Propylbenzene	<0.000442	0.123	0.121	98	0.124	0.123	99	2	75-125	25	
Styrene	<0.000370	0.123	0.124	101	0.124	0.125	101	1	75-125	25	
1,1,1,2-Tetrachloroethane	<0.00100	0.123	0.113	92	0.124	0.128	103	12	72-125	25	
1,1,2,2-Tetrachloroethane	<0.00113	0.123	0.106	86	0.124	0.108	87	2	74-125	25	
Tetrachloroethylene	<0.000631	0.123	0.108	88	0.124	0.118	95	9	71-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Innsdale

Work Order # : 502475 **Project ID:** 1130021301

Lab Batch ID: 962483 **QC- Sample ID:** 502475-022 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/23/2015 **Date Prepared:** 02/23/2015 **Analyst:** MCH

Reporting Units: mg/kg

VOAs by SW-846 8260 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Toluene	<0.00114	0.123	0.113	92	0.124	0.121	98	7	59-139	25	
1,2,4-Trichlorobenzene	<0.00107	0.123	0.108	88	0.124	0.123	99	13	75-135	25	
1,2,3-Trichlorobenzene	<0.000598	0.123	0.105	85	0.124	0.120	97	13	75-137	25	
1,1,2-Trichloroethane	<0.000803	0.123	0.109	89	0.124	0.117	94	7	75-127	25	
1,1,1-Trichloroethane	<0.000835	0.123	0.107	87	0.124	0.122	98	13	75-125	25	
Trichloroethene	<0.000806	0.123	0.117	95	0.124	0.129	104	10	62-137	25	
Trichlorofluoromethane	<0.00120	0.123	0.103	84	0.124	0.120	97	15	67-125	25	
1,2,3-Trichloropropane	<0.00173	0.123	0.115	93	0.124	0.112	90	3	75-125	25	
1,2,4-Trimethylbenzene	0.000298	0.123	0.123	100	0.124	0.127	102	3	75-125	25	
1,3,5-trimethylbenzene	<0.000980	0.123	0.125	102	0.124	0.128	103	2	70-130	25	
Vinyl Chloride	<0.00204	0.123	0.103	84	0.124	0.121	98	16	60-140	25	
o-Xylene	<0.000687	0.123	0.124	101	0.124	0.137	110	10	75-125	25	
m,p-Xylenes	<0.000952	0.247	0.235	95	0.249	0.247	99	5	75-125	25	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Sample Duplicate Recovery

Project Name: Innsdale

Work Order #: 502475

Lab Batch #: 962160 **Project ID:** 1130021301
Date Analyzed: 02/19/2015 10:31 **Date Prepared:** 02/19/2015 **Analyst:** KCS
QC- Sample ID: 502475-001 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY

Percent Moisture Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	20.7	20.4	1	20	

Lab Batch #: 962160
Date Analyzed: 02/19/2015 10:31 **Date Prepared:** 02/19/2015 **Analyst:** KCS
QC- Sample ID: 502475-014 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY

Percent Moisture Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	17.7	17.4	2	20	

Lab Batch #: 962396
Date Analyzed: 02/23/2015 13:54 **Date Prepared:** 02/23/2015 **Analyst:** KCS
QC- Sample ID: 502475-018 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY

Percent Moisture Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	16.5	15.9	4	20	

Lab Batch #: 962396
Date Analyzed: 02/23/2015 13:54 **Date Prepared:** 02/23/2015 **Analyst:** KCS
QC- Sample ID: 502623-001 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY

Percent Moisture Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	22.2	21.4	4	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

CHAIN OF CUSTODY

Page 1 Of 4

XENCO LABORATORIES

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Service Center - San Antonio, Texas (210-509-3334)

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Odessa, Texas (432-563-1800)

Norcross, Georgia (770-449-8800)

Lakeland, Florida (863-646-8526)

Tampa, Florida (813-620-2000)

Xenco Quote #

Xenco Job # 502475-H

Client / Reporting Information

Company Name / Branch: Geotest Eng. Inc.

Company Address: 5600 Bintliff Dr Houston TX 77036.

Email: nkolli@geotestengcom

Phone No: 713-266-0581

Project Contact: Naresh Kolli, P.E.

Samplers's Name: Oommen B. Zacharia

Project Information

Project Name/Number: 113002130 1/Innsdale

Project Location: Innsdale Area.

Invoice To:

PO Number:

Analytical Information

Matrix Codes

A= Air
S = Soil/Sed/Solid
GW =Ground Water
DW = Drinking Water
P = Product
SW = Surface water
SL = Sludge
WW= Waste Water
W = Wipe
O = Oil

WW= Waste Water

No.	Field ID / Point of Collection	Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	VOCs	BTEX/MTBE	TPH						Field Comments
1	EB-1	8'-10'	2-11	9:30am	S	2									✓		✓						
2	EB-2	14'-15'	2-11	10:30am	S	2									✓		✓						
3	EB-3	10'-12'	2-11	11:30am	S	2									✓		✓						
4	EB-4	8'-10'	2-11	12:30pm	S	1									✓								
5	EB-5	14'-15'	2-11	13:45pm	S	1									✓								
6	EB-6	6'-8'	2-11	14:45pm	S	1									✓								
7	EB-7	8'-10'	2-12	9:30am	S	2									✓		✓						
8	EB-8	4'-6'	2-12	10:45pm	S	1											✓						
9	EB-9	8'-10'	2-12	11:50am	S	2									✓		✓						
10	EB-10	18'-20'	2-13	12:30pm	S	2										✓	✓						

Turnaround Time (Business days)

- [ ] Same Day TAT
- [x] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [ ] Contract TAT
- [ ] 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 3:00 pm

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
- [ ] TRRP Checklist

Notes:

FED-EX / UPS: Tracking #

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	2-16	1	2	2-16 2:40pm	2 Tanya Harrington
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable	On Ice / Cooler Temp: / Therm. Corr. Factor

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to XENCO Laboratories and its affiliates, subcontractors and assigns XENCO's standard terms and conditions of service unless previously negotiated under a fully executed client contract.

CHAIN OF CUSTODY

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Service Center - San Antonio, Texas (210-509-3334)
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Odessa, Texas (432-563-1800)
Norcross, Georgia (770-449-8800)
Lakeland, Florida (863-646-8526)
Tampa, Florida (813-620-2000)

Xenco Quote #
Xenco Job # 502475-11

Client / Reporting Information

Company Name / Branch:
Company Address:
Email: Phone No:
Project Contact:
Samplers's Name:

See Page 1 for details.

Project Information

Project Name/Number:
Project Location:
Invoice To:
PO Number:

Matrix Codes

A= Air
S = Soil/Sed/Solid
GW =Ground Water
DW = Drinking Water
P = Product
SW = Surface water
SL = Sludge
WW= Waste Water
W = Wipe
O = Oil

WW= Waste Water

No.	Field ID / Point of Collection	Collection: Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	VOCs	BTEX/MTBE	TPH	Field Comments
1	EB-11	6'-8'	2-13	1:30pm	S	2										✓	✓	
2	EB-12	18'-20'	2-13	2:30pm	S	2										✓	✓	
3	EB-13	8'-10'	2-13	4:00pm	S	2									✓		✓	
4	EB-14	10'-12'	2-13	4:30pm	S	1											✓	
5	EB-15	6'-8'	2-13	5:15pm	S	2									✓		✓	
6	EB-16	10'-12'	2-13	11:30am	S	1									✓			
7	EB-17	12'-14'	2-13	12:30pm	S	0												
8	EB-18	6'-8'	2-13	1:50pm	S	1									✓			
9	EB-20	4'-6'	2-13	9:00am	S	1									✓			
10	EB-21	14'-15'	2-13	10:30am	S	1									✓			

Turnaround Time (Business days)

- ☐ Same Day TAT
- ☐ 5 Day TAT
- ☐ Next Day EMERGENCY
- ☐ 7 Day TAT
- ☐ 2 Day EMERGENCY
- ☐ Contract TAT
- ☐ 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 3:00 pm

Data Deliverable Information

- ☐ Level II Std QC
- ☐ Level IV (Full Data Pkg /raw data)
- ☐ Level III Std QC+ Forms
- ☐ TRRP Level IV
- ☐ Level 3 (CLP Forms)
- ☐ UST / RG -411
- ☐ TRRP Checklist

Notes:

FED-EX / UPS: Tracking #

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	2-16	1	2 2-16	2:40	2
Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice / Cooler Temp. / Thermo. Corr. Factor
5		5			

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CHAIN OF CUSTODY

Page 3 Of 4

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Odessa, Texas (432-563-1800)

Norcross, Georgia (770-449-8800)

Lakeland, Florida (863-646-8526)

Tampa, Florida (813-620-2000)

Xenco Quote #

Xenco Job # 502475-1

Client / Reporting Information

Company Name / Branch:

Company Address:

Email: Phone No:

Project Contact:

Samplers's Name:

See Page 1 for details

Project Information

Project Name/Number:

Project Location:

Invoice To:

PO Number:

Analytical Information

Matrix Codes

A= Air
S = Soil/Sed/Solid
GW =Ground Water
DW = Drinking Water
P = Product
SW = Surface water
SL = Sludge
WW= Waste Water
W = Wipe
O = Oil

WW= Waste Water

No.	Field ID / Point of Collection	Collection: Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	VOCs	BTEX/MTBE TPH							Field Comments
1	EB-22B	10-12'	2-12	1:00pm	S										✓								
2	EB-23A	18-20'	2-12	2:00pm	S										✓								
3	EB-24	6-8'	2-12	2:45pm	S										✓								
4	EB-7		2-12		GW											✓							
5	EB-8		2-12		GW										✓								
6	EB-10		2-13		GW											✓	✓						
7	EB-14		2-13		GW										✓		✓						
8	EB-17		2-13		GW										✓								
9	EB-19		2-12		GW										✓								
10																							

Turnaround Time (Business days)

- ☐ Same Day TAT
- ☐ 5 Day TAT
- ☐ Next Day EMERGENCY
- ☐ 7 Day TAT
- ☐ 2 Day EMERGENCY
- ☐ Contract TAT
- ☐ 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 3:00 pm

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- ☐ Level II Std QC
- ☐ Level IV (Full Data Pkg /raw data)
- ☐ Level III Std QC+ Forms
- ☐ TRRP Level IV
- ☐ Level 3 (CLP Forms)
- ☐ UST / RG -411
- ☐ TRRP Checklist

Notes:

FED-EX / UPS: Tracking #

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	2-16	1	2	2-16 2:40	2
Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On ice / Cooler Temp. / Thermo. Corr. Factor
5		5			ambient

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CHAIN OF CUSTODY

Page 4 Of 4

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Odessa, Texas (432-563-1800)

Norcross, Georgia (770-449-8800)

Lakeland, Florida (863-646-8526)

Tampa, Florida (813-620-2000)

Xenco Quote #

Xenco Job # 502475-1

See Page 1 for details

Client / Reporting Information

Company Name / Branch:

Company Address:

Email: Phone No:

Project Contact:

Samplers's Name:

Project Information

Project Name/Number:

Project Location:

Invoice To:

PO Number:

Analytical Information

Matrix Codes

A= Air
S = Soil/Sed/Solid
GW =Ground Water
DW = Drinking Water
P = Product
SW = Surface water
SL = Sludge
WW= Waste Water
W = Wipe
O = Oil

WW= Waste Water

No.	Field ID / Point of Collection	Collection: Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	VOCs	BTEX/MTBE	TPH							Field Comments
1	Composite sample				S	1									✓									
2	"				S	1										✓								
3	"				S	1											✓							
4																								
5																								
6																								
7																								
8																								
9																								
10																								

Turnaround Time (Business days)

- ☐ Same Day TAT
- ☐ 5 Day TAT
- ☐ Next Day EMERGENCY
- ☐ 7 Day TAT
- ☐ 2 Day EMERGENCY
- ☐ Contract TAT
- ☐ 3 Day EMERGENCY

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- ☐ Level IV (Full Data Pkg /raw data)
- ☐ Level III Std QC+ Forms
- ☐ TRRP Level IV
- ☐ Level 3 (CLP Forms)
- ☐ UST / RG -411
- ☐ TRRP Checklist

Notes:

FED-EX / UPS: Tracking #

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by	Date Time	Received By	Relinquished By	Date Time	Received By
1	Sampler:	2-16		2	2-16 2:40	Tanya Harkins
3			3	4		4
5			5			

Custody Seal # Preserved where applicable On Ice Cooler Temp. Thermo. Corr. Factor

Ambient

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to XENCO Laboratories and its affiliates, subcontractors and assigns XENCO's standard terms and conditions of service unless previously negotiated under a fully executed client contract.

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Geotest Engineering, Inc.

Date/ Time Received: 02/16/2015 02:40:00 PM

Work Order #: 502475

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R-31

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	20	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**No**	
#4 *Custody Seals intact on shipping container/ cooler?	**No**	
#5 Custody Seals intact on sample bottles?	**No**	
#6 *Custody Seals Signed and dated?	**No**	
#7 *Chain of Custody present?	**Yes**	
#8 Sample instructions complete on Chain of Custody?	**Yes**	
#9 Any missing/extra samples?	**Yes**	023 (ID:MW-7) did not receive vial for BtexM
#10 Chain of Custody signed when relinquished/ received?	**Yes**	
#11 Chain of Custody agrees with sample label(s)?	**Yes**	
#12 Container label(s) legible and intact?	**Yes**	
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**	
#14 Samples in proper container/ bottle?	**Yes**	
#15 Samples properly preserved?	**Yes**	
#16 Sample container(s) intact?	**Yes**	
#17 Sufficient sample amount for indicated test(s)?	**Yes**	
#18 All samples received within hold time?	**Yes**	
#19 Subcontract of sample(s)?	**N/A**	
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**Yes**	024-received 3 out 4 vials with Headspace 025-received 3 out of 3 vials with headspace 026-received 1 out of 3 vials with headspace 027-received 1 out of 2 vials with headspace 028-received 1 out of 2 vials with headspace
#21 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**N/A**	
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: th

PH Device/Lot#:

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Geotest Engineering, Inc.

Date/ Time Received: 02/16/2015 02:40:00 PM

Work Order #: 502475

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

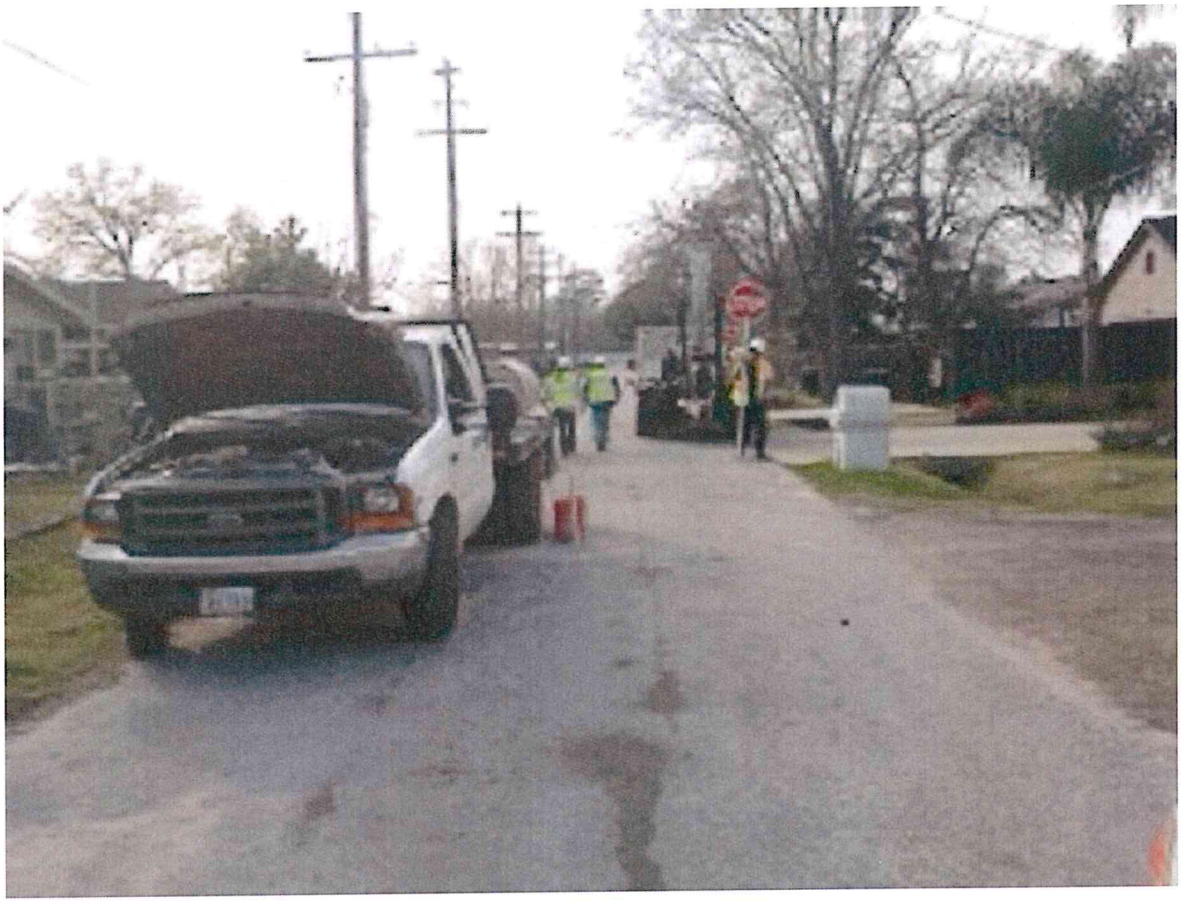
Sample Receipt Checklist

Checklist completed by: Tanya Torres Date: 02/16/2015

Checklist reviewed by: Debbie Simmons Date: 02/18/2015

APPENDIX C

PHOTOGRAPHS OF DRILLING ACTIVITIES



Job No.: 1130021301

FIGURE C-1

APPENDIX D

QUALIFICATIONS OF ENVIRONMENTAL
PROFESSIONAL PARTICIPATING
IN PHASE II ESA

Mohan Ballagere, P.E.

Vice President

EDUCATION

M.S. in Civil Engineering (Geotechnical), 1992, South Dakota School of Mines & Technology, Rapid City, South Dakota

B.S. in Civil Engineering, 1984, University of Mysore, India

PROFESSIONAL REGISTRATION

Texas 2001 Civil Engineering

RELEVANT PROJECT EXPERIENCE

Mr. Ballagere is a Vice President at Geotest Engineering, Inc. He has over 20 years of experience in the civil, geotechnical field and environmental assessment and has worked on various projects involving bridges, water, wastewater, new and overlay pavements, port facilities, private and commercial buildings, Phase I & II Environmental Site Assessments, site reconnaissance, fault studies and ground stabilization. His responsibilities include overseeing field exploration for environmental assessment, reviewing analytical testing, preparation of environmental proposals, performing environmental assessment and reviewing environmental reports pertaining to Phase I & II Environmental Site Assessments and findings and conclusions for environmental impact study projects related to bridges, roads, water, wastewater and storm water. Some of the relevant environmental assessment projects are:

- ❒ Phase I ESA Chimney Rock Lift Station Rehabilitation – Houston, Texas
- ❒ Phase I and II ESA Tasfield Force Main – Houston, Texas
- ❒ Phase I and II ESA Water Line Replacement in the Parkhurst Area – Houston, Texas
- ❒ Phase I ESA Buckingham Lift Station – Houston, Texas
- ❒ Phase I ESA A. Kuykendall League 29.46 acres – Houston, Texas
- ❒ New Ground Water Storage Tanks at District 175 & 184 – Houston, Texas
- ❒ Phase II ESA Long Point Rd. at Wirt Rd. Intersection – Houston, Texas
- ❒ Phase I ESA San Felipe Rd. Improvements – Houston, Texas
- ❒ Phase I and II ESA Sharpstown Area Drainage Improvements – Houston, Texas
- ❒ Phase I and II ESA Bellaire/Fondren Intersection Improvements – Houston, Texas
- ❒ Phase I ESA Pasadena Lift Station Improvements Pansy, Crenshaw and El Cary – Pasadena, Texas
- ❒ Phase I and II Reconstruction of Lyons Avenue from US 59 to Waco – Houston, Texas
- ❒ Phase I ESA 12" Water Line along Kingsland Blvd. from Baker Rd. to Harris Co. 346 Water Plant – Houston, Texas
- ❒ Phase I ESA Tasfield Community Project – Harris County, Texas
- ❒ Phase I ESA S. Gessner - Cravens Project – Houston, Texas
- ❒ Ph. I ESA - 16827 Old Richmond Road – Houston, Texas
- ❒ Ph. I ESA Historic Holman Street Reconstruction Project – Houston, Texas
- ❒ Ph. II ESA Long Point Rd. from 400' East of Hollister to 150 ft. west of Pech Rd. – Houston, Texas

Naresh Kolli, P.E.
Assistant Project Manager

EDUCATION

- **Master of Engineering** in Civil Engineering (Geotechnical Engineering)
  McNeese State University, Lake Charles, LA, July 2005.
- **Bachelor of Engineering** in Civil Engineering
  Kakatiya University, India, June 2002.

PROFESSIONAL REGISTRATION

Texas 2012 Civil Engineering

RELEVANT PROJECT EXPERIENCE:

Mr. Naresh Kolli, is an Assistant Project Manager at Geotest Engineering, Inc. He has over 9 years of experience in the civil, geotechnical and environmental field and has worked on various projects involving high rise office buildings to single story commercial buildings, warehouses, schools and government projects, Phase I & II Environmental Site Assessments, site reconnaissance and geological and rock profile studies. His responsibilities include coordination of drilling and sampling of soil borings and supervision of laboratory testing, performing engineering analyses and preparation of geotechnical as well as Phase I and II Environmental Site Assessment reports.

- Phase II ESA – Reconstruction of Long Point Road – Houston, Texas
- Phase I ESA – South Point Park and Ride – Houston, Texas
- Phase I ESA – 11730 Sam Houston Parkway, Houston, Texas
- Phase I ESA – Historic Holman Street Reconstruction Project – Houston, Texas.
- Phase I ESA – 18" Waterline Loop Alignment – Pasadena, Texas
- Phase I ESA – 5107 Griggs Road – Houston, Texas
- Phase I ESA – Yale Street Detention Basin – Houston, Texas
- Phase I ESA – Astoria Boulevard – Houston, Texas
- Phase I ESA – Fourth ward Street reconstruction – Houston, Texas
- Phase I and II – 5216 Almeda Road – Houston, Texas
- Phase I ESA – Waterline Replacements Timbergrove Area – Houston, Texas
- Phase I ESA – Waterline Replacements Glenwood Forest Area – Houston, Texas
- Phase I and Phase II ESA – Waterline Replacements Fulton North Area – Houston, Texas
- Phase I ESA – Pavement & Drainage Improvements along Witter Street – Pasadena, Texas
- Phase I ESA – Craigmont Estates Detention Pond – City of Baytown, Texas
- Phase I ESA – Beltway 8 & Feeder Road Drainage Improvements – Pasadena, Texas
- Phase I ESA – Pump & Lift Station Renewal & Replacements; Fairway Lift Station – Houston, Texas
- Phase I ESA – Pump & Lift Station Renewal & Replacements; Grenshaw Lift Station – Houston, Texas
- Phase I ESA – 18" Sanitary Sewer at George Bush IAH
- Phase I ESA – Pump & Lift Station Renewal & Replacement – Post Oak #1 Lift Station – Houston, Texas