

August 26, 2005

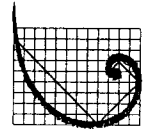
Mr. Mark Riggle
Project Manager
Voluntary Cleanup Section
Texas Commission on Environmental Quality
Mail Code 221
12118 North IH 35, Building D
Austin, Texas 78753

Project No. 0014347

Subject: Third Quarter 2005 Monitoring Data Transmittal
Former Cameron Iron Works Facility, Houston, Texas
VCP No. 221

**Environmental
Resources
Management**

15810 Park Ten Place
Suite 300
Houston, Texas 77084
(281) 600-1000
(281) 600-1001 (fax)



ERM®

Dear Mr. Riggle:

On behalf of Cooper Cameron Corporation (Cooper Cameron), Environmental Resources Management (ERM) is providing this transmittal of surface water and ground water data collected on July 19, 2005 for your records. A total of three samples were collected at one surface water sample location (SWD-15) and two monitor wells (MW-70 and MW-93). These sampling locations are located in the residential neighborhood south of the Former Cameron Iron Works Facility out side of the plume boundary. This quarterly sampling event was performed at these locations because the results for April 2005 exceeded the 80% Critical Protective Concentration Level (PCL) at SWD-15 and the method quantitation limit (MQL) at MW-70 and MW-93. The following discussion presents the results from the July 19, 2005 sampling event for each location and a recommendation for the appropriate course of action.

SWD-15

The constituents analyzed in the surface water sample collected at SWD-15 were reported as Not Detected at the MQL with one exception. 1,1-dichloroethene had a reported concentration of 0.0044 mg/L (Table 1). This concentration is below the 80% Critical PCL; therefore, it is proposed that the surface water sampling at this location return to the semiannual sampling schedule. The next semiannual sampling event will be in October 2005.

MW-70

The reported concentrations at MW-70 for 1,1-dichloroethane, 1,1-dichloroethene, and cis-1,2-dichloroethene were 0.013 mg/L, 0.0059 mg/L, and 0.011 mg/L respectively. These reported concentrations exceed the MQL of 0.0050 mg/L for these constituents and are similar to the concentrations reported in the April 28, 2005 ground water sample.

The reported concentrations for 1,1-dichloroethane, 1,1-dichloroethene, and cis-1,2-dichloroethene at MW-70 were above the MQL (Table 2). It is possible that the increase in concentrations is related to slight changes in ground water flow conditions from subsurface construction and dewatering activities related to the expansion of Interstate 10. As the response action for the apparent increase, Cooper Cameron proposes to continue quarterly monitoring for the COCs at MW-70. The quarterly sampling events would be completed in October 2005 and January 2006, unless further action is necessary. In addition, Cooper Cameron will transmit a summary of the data to the TCEQ within 30 days after it receives a Final Laboratory Report.

MW-93

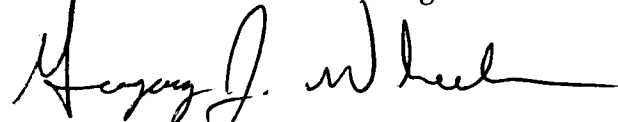
The reported concentration of tetrachloroethene on July 19, 2005 from MW-93 was 0.061 mg/L. This concentration is in exceedance of the 0.0050 mg/L critical PCL for tetrachloroethene and is an increase from April 27, 2005 with a reported concentration of 0.039 mg/L (Table 2). The remaining constituents were reported as Not Detected.

As described in the past, the reported concentrations at MW-93 are not associated with a release from the facility. Despite this fact, Cooper Cameron will follow the plan outlined in the Response Action Plan. First, Cooper Cameron will continue quarterly monitoring for tetrachloroethene at MW-93. Second, Cooper Cameron proposes an aggressive response action by injecting a chemical oxidant (potassium permanganate) in the vicinity of MW-93 to address the elevated concentration of tetrachloroethene. Attached is a figure of the proposed injection points in close proximity to the area of concern (Attachment 3).

Please contact Mr. Jesse McKendree of Cooper Cameron Corporation at (713) 513-3325 with any questions or comments.

Sincerely,

Environmental Resources Management



Gregory J. Wheeler, P.G.

GJW/fr
Attachments

cc: Jesse McKendree, Cooper Cameron Corporation
Bruce Himmelreich, Cooper Cameron Corporation, (without attachments)
David Corban, Fulbright & Jaworski L.L.P.
Paul Stefan, Environmental Resources Management (Houston)
Marsha Hill, Texas Commission on Environmental Quality, Region X II
Robin Morse, Crain, Caton & James (without attachments)
Alan Feinsilver, Creekstone Builders Inc.

Tables
Attachment 1

August 26, 2005
Project No. 0014347

Environmental Resources Management
15810 Park Ten Place, Suite 300
Houston, Texas 77084
(281) 600-1000

TABLE 1

Summary of Surface Water Data
Third Quarter 2005 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Constituent	80% Critical PCL (a)	Critical PCLs (a)	Location: Date:	SWD-15	
				4/25/2005	7/19/2005
1,1-Dichloroethane	4.10	5.13		0.0074	ND (0.0050)
1,1-Dichloroethene	0.05	0.06		0.059	0.0044 J
1,2-Dichloroethane	0.443	0.554		ND (0.0050)	ND (0.0050)
cis-1,2-Dichloroethene	7.49	9.36		0.0039 J	ND (0.0050)
Tetrachloroethene	0.632	0.790		0.010	ND (0.0050)
Trichloroethene	0.888	1.110		0.0039 J	ND (0.0050)
Vinyl Chloride	0.0269	0.0336		0.0051	ND (0.0020)

NOTES:

The reported concentrations are in mg/L.

ND (0.0050) = *Not Detected* at the Reporting Limit given in parentheses.

J = Estimated data, the reported sample concentration is approximated due to exceedance of QC requirements.

Bold values indicate an exceedance of the 80% critical Protective Concentration Level (PCL).

(a) Taken from the critical PCLs calculated in the *Human Health Ecological Risk Assessment for Surface Water and Sediment*, dated June 2003.

SWD = Surface Water Harris County Flood Control Ditch.

TABLE 2

Summary of Monitor Well Ground Water Data
Third Quarter 2005 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Constituent	MQL	Critical PCLs (a)	Location:		MW-70		MW-93	
			Depth: (b)	25		23		
				Date:	4/28/2005	7/19/2005	4/27/2005	7/19/2005
1,1-Dichloroethane	0.0050	2.4		0.011	0.013	ND (0.0050)	ND (0.0050)	
1,1-Dichloroethene	0.0050	0.0070		0.0067	0.0059	ND (0.0050)	ND (0.0050)	
1,2-Dichloroethane	0.0050	0.0050	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	
cis-1,2-Dichloroethene	0.0050	0.070		0.012	0.011	ND (0.0050)	ND (0.0050)	
Tetrachloroethene	0.0050	0.0050	ND (0.0050)	ND (0.0050)	0.039	0.061		
Trichloroethene	0.0050	0.0050	0.0021 J	0.0016 J	ND (0.0050)	ND (0.0050)		
Vinyl Chloride	0.0020	0.0020	0.00093 J	ND (0.0020)	ND (0.0020)	ND (0.0020)		

NOTES:

0.039 = exceedance of TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Groundwater critical PCLs.

Bold value exceed the MQL.

The reported concentrations are in mg/L.

ND (0.0050) = *Not Detected* at the Reporting Limit given in parentheses.

MQL = Method Quantitation Limit

(a) TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Groundwater PCLs, 30-acre source area, Table 3, table for TRRP Rule dated March 21, 2005.

(b) The sample depths are reported in feet below ground surface.

J = Estimated data, the reported sample concentration is approximated due to exceedance of QC requirements.

Data Usability Summary and Laboratory Report
Attachment 2

August 26, 2005
Project No. 0014347

Environmental Resources Management
15810 Park Ten Place, Suite 300
Houston, Texas 77084
(281) 600-1000

Attachment 2

Data Usability Summary (0507279)
Third Quarter 2005 Monitor Event

Former Cameron Iron Works Facility
Houston, Texas

Environmental Resources Management Southwest, Inc. (ERM) reviewed a laboratory analytical data package (0507279) from e-Lab Analytical, Inc. of Houston, Texas for the analysis of one water sample collected on July 19, 2005 at the Former Cameron Iron Works Site in Houston, Texas (the facility). Data were reviewed to assess conformance with the requirements of the *Review and Reporting of COC Concentration Data* TRRP-13 (December 2002), and adherence to project data quality objectives.

Purpose of Sampling Event: Quarterly sampling event to monitor select VOCs beneath and downgradient of the facility.

The data generated were evaluated in terms of representativeness, precision, accuracy, completeness and comparability.

Analysis requested included:

SW-846 8260B - Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Data were reviewed and validated as described in the TRRP-13 Guidance Document and the results of the review/validation are discussed in this Data Usability Summary (DUS).

Introduction

Two ground water samples and one surface water sample, including a field blank and two duplicates, were collected and analyzed for volatile organic compounds (VOCs). A trip blank was provided to the laboratory but was not analyzed per ERM's request. Rinsate and equipment blanks were not provided to the laboratory for analysis. Table 1 lists the sample identifications cross-referenced to laboratory identifications.

Data Review / Validation Results

Analytical Results

Sample data is reported in mg/L for ground water samples. *Not Detected* results are reported as less than the value of the sample quantitation limit as defined by the TRRP rule. Method detection limits (MDLs) and method quantitation limits (MQLs) were also provided as part of the analytical results.

Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody (COC). The samples were received in the appropriate containers and in good condition with the paperwork filled out properly. Sample receipt temperature was within the acceptance criteria of 4 +/- 2 degrees C. The samples were preserved in the field as specified in SW-846 TABLE 2-36. Samples were prepared and analyzed within holding times as specified in SW-846 TABLE 2-36.

Calibrations and Tunes

Initial and continuing calibration verification was within method acceptance limits for VOC. The LRC also documents satisfactory instrument performance calibrations (GC/MS tunes) for VOC analyses.

Blanks

VOCs were reported as *Not Detected* in the method blank and the field blank.

Surrogate Recoveries

VOC sample surrogate recoveries were within the laboratory control limits.

Internal Standards

According to the LRC, the internal standards were within method-required limits.

Laboratory Control Samples

The laboratory control sample/ laboratory control sample duplicates (LCS/LCSD) recoveries met the laboratory-defined acceptable ranges for VOCs.

Matrix Spike/Matrix Spike Duplicates

Two VOC MS/MSDs were included in this laboratory package; both MS/MSD samples were within the laboratory control limits.

Field Precision

Two field duplicate samples were collected during this sampling event (SWD-15/ Dup-1 and MW-93/ Dup-2). Sample SWD-15 and duplicate sample Dup-1 were reported as detected for 1,1-dichloroethene, and Dup-1 was reported for cis-1,2-dichloroethene. Sample MW-93 and duplicate sample Dup-2 were reported as detected for tetrachloroethene. The sample/duplicate precision comparison for both samples had RPD less than the 20% acceptance criteria for the compounds listed.

Sample/duplicate precision calculations are included in Table 2.

Field Procedures

The samples were collected using documented sampling procedures.

SUMMARY

The data quality objectives and characteristics (i.e., representativeness, precision and accuracy, completeness, and comparability) for the project were met. Therefore, the ground water analytical data are useable for the purpose of providing current data on concentrations of chemicals of concern (COCs) in the ground water beneath and downgradient of the Former Cameron Iron Works Facility.

TABLE 1

Cross Reference Field Sample Identifications and Laboratory Identifications

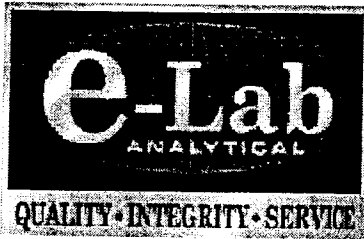
Field ID	Laboratory ID
SWD-15	0507279-01
MW-70	0507279-02
MW-93	0507279-03
FB071905	0507279-04
Dup-1	0507279-05
Dup-2	0507279-06
Trip Blank	0507279-07

TABLE 2

Field Precision

Field Identification	Analyte	Sample Result	Duplicate Result	RPD	Qualified
SWD-15/Dup-1	1,1-dichloroethene	0.0044	0.0044	0	A
	cis-1,2-dichloroethene	0.00050	0.00051	-1.181	A
MW-93/Dup-2	tetrachloroethene	0.061	0.072	-16.54	A

Notes:
 Values are in mg/L.
 $RPD = ((SR-DR)*200)/(SR+DR)$
 A = Acceptable data



e-Lab Analytical, Inc.

10450 Standcliff Rd, Suite 210 Houston, Texas 77099-4338 281-530-5656 Fax 281-530-5887

August 03, 2005

Greg Wheeler
ERM - Southwest, Inc.
15810 Park Ten Place
Suite 300
Houston, TX 77084

Tel: (281) 600-1000
Fax: (281) 600-1001

Re: Cameron Iron

Work Order : 0507279

Dear Greg Wheeler,

e-Lab Analytical, Inc. received 7 samples on 7/20/2005 4:45:00 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by e-Lab Analytical, Inc. and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by e-Lab Analytical, Inc. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 20.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Lora Terrill

Electronically approved by: Patrina A. Dathorne

Lora Terrill
VP Lab Operations

Laboratory Data Package Cover Page

This data package consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
 - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
 - b) dilution factors,
 - c) preparation methods,
 - d) cleanup methods, and
 - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
 - a) Calculated recovery (%R), and
 - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
 - a) LCS spiking amounts,
 - b) Calculated %R for each analyte, and
 - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
 - a) Samples associated with the MS/MSD clearly identified,
 - b) MS/MSD spiking amounts,
 - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
 - d) Calculated %Rs and relative percent differences (RPDs), and
 - e) The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
 - a) the amount of analyte measured in the duplicate,
 - b) the calculated RPD, and
 - c) the laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;?
- R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, if applicable: [NA] This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

e-Lab Analytical, Inc. Work Order Number: 0507279

Lora Terrill	<i>Lora Terrill</i>	V.P. Laboratory Operations	08/03/05
Name (Printed)	Signature	Official Title (printed)	Date

Laboratory Review Checklist: Reportable Data

Laboratory Name: e-Lab Analytical, Inc.		LRC Date: 08/03/2005					
Project Name: Cameron Iron		Laboratory Job Number: 0507279					
Reviewer Name: Lora Terrill		Prep Batch Number(s): R30146 and R30186					
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
R1	OI	CHAIN-OF-CUSTODY (C-O-C)					
		1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		2) Were all departures from standard conditions described in an exception report?	X				
R2	OI	SAMPLE AND QUALITY CONTROL (QC) IDENTIFICATION					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	TEST REPORTS					
		1) Were all samples prepared and analyzed within holding times?	X				
		2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		3) Were calculations checked by a peer or supervisor?	X				
		4) Were all analyte identifications checked by a peer or supervisor?	X				
		5) Were sample quantitation limits reported for all analytes not detected?	X				
		6) Were all results for soil and sediment samples reported on a dry weight basis?				X	
		7) Was % moisture (or solids) reported for all soil and sediment samples?				X	
		8) If required for the project, TICs reported?			X		
R4	O	SURROGATE RECOVERY DATA					
		1) Were surrogates added prior to extraction?	X				
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	TEST REPORTS/SUMMARY FORMS FOR BLANK SAMPLES					
		1) Were appropriate type(s) of blanks analyzed?	X				
		2) Were blanks analyzed at the appropriate frequency?	X				
		3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		4) Were blank concentrations < MQL?	X				
R6	OI	LABORATORY CONTROL SAMPLES (LCS):					
		1) Were all COCs included in the LCS?	X				
		2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		3) Were LCSs analyzed at the required frequency?	X				
		4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	X				
		6) Was the LCSD RPD within QC limits?			X		
R7	OI	MATRIX SPIKE (MS) AND MATRIX SPIKE DUPLICATE (MSD) DATA					
		1) Were the project/method specified analytes included in the MS and MSD?	X				
		2) Were MS/MSD analyzed at the appropriate frequency?	X				
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		4) Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	ANALYTICAL DUPLICATE DATA					
		1) Were appropriate analytical duplicates analyzed for each matrix?	X				
		2) Were analytical duplicates analyzed at the appropriate frequency?	X				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	METHOD QUANTITATION LIMITS (MQLS):					
		1) Are the MQLs for each method analyte listed and included in the laboratory data package?	X				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		3) Are unadjusted MQLs included in the laboratory data package?	X				
R10	OI	OTHER PROBLEMS/ANOMALIES					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		2) Were all necessary corrective actions performed for the reported data?	X				
		3) If requested, is the justification for elevated SQLs documented?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted in o the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);

3 NA = Not applicable;

4 NR = Not Reviewed;

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data							
Laboratory Name: e-lab Analytical, Inc			LRC Date: 08/03/2005				
Project Name: Cameron Iron			Laboratory Job Number: 0507279				
Reviewer Name: Lora Terrill			Prep Batch Number(s): R30146 and R30186				
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
S1	OI	INITIAL CALIBRATION (ICAL)					
		1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits?	X				
		2) Were percent RSDs or correlation coefficient criteria met?	X				
		3) Was the number of standards recommended in the method used for all analytes?	X				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		5) Are ICAL data available for all instruments used?	X				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND					
		1) Was the CCV analyzed at the method-required frequency?	X				
		2) Were percent differences for each analyte within the method-required QC limits?	X				
		3) Was the ICAL curve verified for each analyte?	X				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	MASS SPECTRAL TUNING:					
		1) Was the appropriate compound for the method used for tuning?	X				
		2) Were ion abundance data within the method-required QC limits?	X				
S4	O	INTERNAL STANDARDS (IS):					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	RAW DATA (NELAC SECTION 1 APPENDIX A GLOSSARY, AND SECTION 5.12 OR					
		1) Were the raw data (e.g., chromatograms, spectral data) reviewed by an analyst?	X				
		2) Were data associated with manual integrations flagged on the raw data?	X				
S6	O	DUAL COLUMN CONFIRMATION					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	TENTATIVELY IDENTIFIED COMPOUNDS (TICS):					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	INTERFERENCE CHECK SAMPLE (ICS) RESULTS:					
		Were percent recoveries within method QC limits?			X		
S9	I	SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	PROFICIENCY TEST REPORTS:					
		Are proficiency testing or inter-laboratory comparison results on file?	X				
S11	OI	METHOD DETECTION LIMIT (MDL) STUDIES					
		1) Was a MDL study performed for each reported analyte?	X				
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S12	OI	STANDARDS DOCUMENTATION					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	COMPOUND/ANALYTE IDENTIFICATION PROCEDURES					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	DEMONSTRATION OF ANALYST COMPETENCY (DOC)					
		1) Was DOC conducted consistent with NELAC 5C or ISO/IEC 4.2.2?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS					
		Are all the methods used to generate the data documented, verified, and validated, where applicable, (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)?	X				
S16	OI	LABORATORY STANDARD OPERATING PROCEDURES (SOPS):					
		Are laboratory SOPs current and on file for each method performed?	X				

- 1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
- 2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
- 3 NA = Not applicable.
- 4 NR = Not Reviewed.
- 5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Report	
Laboratory Name: e-Lab Analytical, Inc.	LRC Date: 08/03/2005
Project Name: Cameron Iron	Laboratory Job Number: 0507279
Reviewer Name: Lora Terrill	Prep Batch Number(s): R30146 and R30186
ER #¹	DESCRIPTION
	No Exceptions

1 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

CLIENT: ERM Southwest, Inc.
Project: Cameron Iron
Work Order: 0507279

Work Order Sample Summary

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
0507279-01	SWD-15	Water		7/19/2005 12:10	7/20/2005 16:45	<input type="checkbox"/>
0507279-02	MW-70	Water		7/19/2005 15:05	7/20/2005 16:45	<input type="checkbox"/>
0507279-03	MW-93	Water		7/19/2005 15:58	7/20/2005 16:45	<input type="checkbox"/>
0507279-04	FB071905	Water		7/19/2005 16:05	7/20/2005 16:45	<input type="checkbox"/>
0507279-05	Dup-1	Water		7/19/2005 00:01	7/20/2005 16:45	<input type="checkbox"/>
0507279-06	Dup-2	Water		7/19/2005 00:05	7/20/2005 16:45	<input type="checkbox"/>
0507279-07	Trip Blank	Water		7/19/2005 00:05	7/20/2005 16:45	<input type="checkbox"/>

e-Lab Analytical, Inc.

Date: August 03, 2005

CLIENT: ERM - Southwest, Inc.
 Work Order: 0507279
 Project: Cameron Iron
 Lab ID: 0507279-01

Client Sample ID: SWD-15
 Collection Date: 7/19/2005 12:10:00 PM
 Matrix: WATER

Analyses	Result	SQL	ML	Qual	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS		SW8260		Prep:		Analyst: PC	
1,1-Dichloroethane	U	0.00050	0.0050		mg/L	1	7/22/2005
1,1-Dichloroethene	0.0044	0.00060	0.0050	J	mg/L	1	7/22/2005
1,2-Dichloroethane	U	0.00050	0.0050		mg/L	1	7/22/2005
cis-1,2-Dichloroethene	U	0.00050	0.0050		mg/L	1	7/22/2005
Tetrachloroethene	U	0.00050	0.0050		mg/L	1	7/22/2005
Trichloroethene	U	0.00070	0.0050		mg/L	1	7/22/2005
Vinyl chloride	U	0.00060	0.0020		mg/L	1	7/22/2005
Surr: 1,2-Dichloroethane-d4	80.9	0	70-125		%REC	1	7/22/2005
Surr: 4-Bromofluorobenzene	87.7	0	72.4-125		%REC	1	7/22/2005
Surr: Dibromofluoromethane	91.3	0	71.2-125		%REC	1	7/22/2005
Surr: Toluene-d8	97.1	0	75-125		%REC	1	7/22/2005

Qualifiers:

- U - Analyzed for but Not Detected
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- P - Dual Column results percent difference > 40%
- E - Value above quantitation range
- H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: August 03, 2005

CLIENT: ERM - Southwest, Inc.
 Work Order: 0507279
 Project: Cameron Iron
 Lab ID: 0507279-02

Client Sample ID: MW-70
 Collection Date: 7/19/2005 3:05:00 PM
 Matrix: WATER

Analyses	Result	SQL	ML	Qual	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS		SW8260		Prep:		Analyst: PC	
1,1-Dichloroethane	0.013	0.00050	0.0050		mg/L	1	7/22/2005
1,1-Dichloroethene	0.0059	0.00060	0.0050		mg/L	1	7/22/2005
1,2-Dichloroethane	U	0.00050	0.0050		mg/L	1	7/22/2005
cis-1,2-Dichloroethene	0.011	0.00050	0.0050		mg/L	1	7/22/2005
Tetrachloroethene	U	0.00050	0.0050		mg/L	1	7/22/2005
Trichloroethene	0.0016	0.00070	0.0050	J	mg/L	1	7/22/2005
Vinyl chloride	U	0.00060	0.0020		mg/L	1	7/22/2005
Surr: 1,2-Dichloroethane-d4	80.4	0	70-125		%REC	1	7/22/2005
Surr: 4-Bromofluorobenzene	85.5	0	72.4-125		%REC	1	7/22/2005
Surr: Dibromofluoromethane	89.5	0	71.2-125		%REC	1	7/22/2005
Surr: Toluene-d8	95.6	0	75-125		%REC	1	7/22/2005

Qualifiers:

- U - Analyzed for but Not Detected
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- P - Dual Column results percent difference > 40%
- E - Value above quantitation range
- H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: August 03, 2005

CLIENT: ERM - Southwest, Inc.
Work Order: 0507279
Project: Cameron Iron
Lab ID: 0507279-04

Client Sample ID: FB071905
Collection Date: 7/19/2005 4:05:00 PM
Matrix: WATER

Analyses	Result	SQL	ML	Qual	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS		SW8260		Prep:			Analyst: PC
1,1-Dichloroethane	U	0.00050	0.0050		mg/L	1	7/21/2005
1,1-Dichloroethene	U	0.00060	0.0050		mg/L	1	7/21/2005
1,2-Dichloroethane	U	0.00050	0.0050		mg/L	1	7/21/2005
cis-1,2-Dichloroethene	U	0.00050	0.0050		mg/L	1	7/21/2005
Tetrachloroethene	U	0.00050	0.0050		mg/L	1	7/21/2005
Trichloroethene	U	0.00070	0.0050		mg/L	1	7/21/2005
Vinyl chloride	U	0.00060	0.0020		mg/L	1	7/21/2005
Surr: 1,2-Dichloroethane-d4	79.1	0	70-125		%REC	1	7/21/2005
Surr: 4-Bromofluorobenzene	87.3	0	72.4-125		%REC	1	7/21/2005
Surr: Dibromofluoromethane	90.1	0	71.2-125		%REC	1	7/21/2005
Surr: Toluene-d8	97.0	0	75-125		%REC	1	7/21/2005

Qualifiers:

U - Analyzed for but Not Detected	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	P - Dual Column results percent difference > 40%
B - Analyte detected in the associated Method Blank	E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level	H - Analyzed outside of Hold Time

AR Page 4 of 6

e-Lab Analytical, Inc.

Date: August 03, 2005

CLIENT: ERM - Southwest, Inc.
Work Order: 0507279
Project: Cameron Iron
Lab ID: 0507279-05

Client Sample ID: Dup-1
Collection Date: 7/19/2005 12:01:00 AM
Matrix: WATER

Analyses	Result	SQL	ML	Qual	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS		SW8260		Prep:		Analyst: PC	
1,1-Dichloroethane	U	0.00050	0.0050		mg/L	1	7/22/2005
1,1-Dichloroethene	0.0044	0.00060	0.0050	J	mg/L	1	7/22/2005
1,2-Dichloroethane	U	0.00050	0.0050		mg/L	1	7/22/2005
cis-1,2-Dichloroethene	0.00051	0.00050	0.0050	J	mg/L	1	7/22/2005
Tetrachloroethene	U	0.00050	0.0050		mg/L	1	7/22/2005
Trichloroethene	U	0.00070	0.0050		mg/L	1	7/22/2005
Vinyl chloride	U	0.00060	0.0020		mg/L	1	7/22/2005
Surr: 1,2-Dichloroethane-d4	81.6	0	70-125		%REC	1	7/22/2005
Surr: 4-Bromofluorobenzene	87.2	0	72.4-125		%REC	1	7/22/2005
Surr: Dibromofluoromethane	92.3	0	71.2-125		%REC	1	7/22/2005
Surr: Toluene-d8	97.2	0	75-125		%REC	1	7/22/2005

Qualifiers:

- U - Analyzed for but Not Detected
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- P - Dual Column results percent difference > 40%
- E - Value above quantitation range
- H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: August 03, 2005

CLIENT: ERM - Southwest, Inc.
Work Order: 0507279
Project: Cameron Iron
Lab ID: 0507279-06

Client Sample ID: Dup-2
Collection Date: 7/19/2005 12:05:00 AM
Matrix: WATER

Analyses	Result	SQL	ML	Qual	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS		SW8260		Prep:			Analyst: PC
1,1-Dichloroethane	U	0.00050	0.0050		mg/L	1	7/22/2005
1,1-Dichloroethene	U	0.00060	0.0050		mg/L	1	7/22/2005
1,2-Dichloroethane	U	0.00050	0.0050		mg/L	1	7/22/2005
cis-1,2-Dichloroethene	U	0.00050	0.0050		mg/L	1	7/22/2005
Tetrachloroethene	0.072	0.00050	0.0050		mg/L	1	7/22/2005
Trichloroethene	U	0.00070	0.0050		mg/L	1	7/22/2005
Vinyl chloride	U	0.00060	0.0020		mg/L	1	7/22/2005
Surr: 1,2-Dichloroethane-d4	78.3	0	70-125		%REC	1	7/22/2005
Surr: 4-Bromofluorobenzene	83.5	0	72.4-125		%REC	1	7/22/2005
Surr: Dibromofluoromethane	88.3	0	71.2-125		%REC	1	7/22/2005
Surr: Toluene-d8	92.3	0	75-125		%REC	1	7/22/2005

Qualifiers: U - Analyzed for but Not Detected S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits P - Dual Column results percent difference > 40%
 B - Analyte detected in the associated Method Blank E - Value above quantitation range
 * - Value exceeds Maximum Contaminant Level H - Analyzed outside of Hold Time

Test Code: 8260_TCL_W
Test Number: SW8260
Test Name: TCL Volatile Organics
Matrix: Aqueous Units: mg/L

**METHOD DETECTION /
REPORTING LIMITS**

Type	Analyte	CAS	MDL	Unadjusted MQL
A	1,1-Dichloroethane	75-34-3	0.0005	0.005
A	1,1-Dichloroethene	75-35-4	0.0006	0.005
A	1,2-Dichloroethane	107-06-2	0.0005	0.005
A	cis-1,2-Dichloroethene	156-59-2	0.0005	0.005
A	Tetrachloroethene	127-18-4	0.0005	0.005
A	Trichloroethene	79-01-6	0.0007	0.005
A	Vinyl chloride	75-01-4	0.0006	0.002
S	Surr: 1,2-Dichloroethane-d4	17060-07-0	0	0
S	Surr: 4-Bromofluorobenzene	460-00-4	0	0
S	Surr: Dibromofluoromethane	1868-53-7	0	0
S	Surr: Toluene-d8	2037-26-5	0	0

e-Lab Analytical, Inc.

Date: Aug 03 2005

CLIENT: ERM Southwest, Inc.

QC BATCH REPORT

Work Order: 0507279

Project: Cameron Iron

Batch ID: R30146 InstrumentID: VOA1

MBLK	Sample ID: VBLKW-0721	Test Code: SW8260		Units: µg/L	Analysis Date: 07/21/05 11:30					
Client ID:	Run ID: VOA1_050721A	SeqNo: 690600	Prep Date:	DF: 1						
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethane	U	5.0								
1,1-Dichloroethene	U	5.0								
1,2-Dichloroethane	U	5.0								
cis-1,2-Dichloroethene	U	5.0								
Tetrachloroethene	U	5.0								
Trichloroethene	U	5.0								
Vinyl chloride	U	2.0								
Surr: 1,2-Dichloroethane-d4	44.33	5.0	50	0	88.7	70-125	0			
Surr: 4-Bromofluorobenzene	44.49	5.0	50	0	89	72.4-125	0			
Surr: Dibromofluoromethane	46.7	5.0	50	0	93.4	71.2-125	0			
Surr: Toluene-d8	48.6	5.0	50	0	97.2	75-125	0			

LCS	Sample ID: VLCSW-0721	Test Code: SW8260		Units: µg/L	Analysis Date: 07/21/05 10:35					
Client ID:	Run ID: VOA1_050721A	SeqNo: 690599	Prep Date:	DF: 1						
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethane	49.91	5.0	50	0	99.8	74.2-122	0			
1,1-Dichloroethene	50.94	5.0	50	0	102	75.8-122	0			
1,2-Dichloroethane	45.72	5.0	50	0	91.4	78.8-120	0			
cis-1,2-Dichloroethene	51.27	5.0	50	0	103	80-120	0			
Tetrachloroethene	48.09	5.0	50	0	96.2	80-120	0			
Trichloroethene	48.8	5.0	50	0	97.6	80-120	0			
Vinyl chloride	51.52	2.0	50	0	103	76.2-121	0			
Surr: 1,2-Dichloroethane-d4	43.45	5.0	50	0	86.9	70-125	0			
Surr: 4-Bromofluorobenzene	45.49	5.0	50	0	91	72.4-125	0			
Surr: Dibromofluoromethane	46.72	5.0	50	0	93.4	71.2-125	0			
Surr: Toluene-d8	47.47	5.0	50	0	94.9	75-125	0			

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in assoc. Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

U - Analyzed for but not detected

O - Referenced analyte value is > 4 times amount spiked

P - Dual Column results percent difference > 40%

E - Value above quantitation range

CLIENT: ERM Southwest, Inc.
 Work Order: 0507279
 Project: Cameron Iron

QC BATCH REPORT

Batch ID: R30146 InstrumentID: VOA1

MS		Sample ID: 0507280-01AMS			Test Code: SW8260		Units: µg/L		Analysis Date: 07/21/05 12:53	
Client ID:		Run ID: VOA1_050721A		SeqNo: 690602		Prep Date:		DF: 25		
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethane	1184	120	1250	0	94.7	74.2-122	0			
1,1-Dichloroethene	1080	120	1250	0	86.4	75.8-122	0			
1,2-Dichloroethane	1127	120	1250	0	90.2	78.8-120	0			
cis-1,2-Dichloroethene	1225	120	1250	0	98	80-120	0			
Tetrachloroethene	1134	120	1250	0	90.7	80-120	0			
Trichloroethene	1153	120	1250	0	92.3	80-120	0			
Vinyl chloride	1098	50	1250	0	87.8	76.2-121	0			
Surr: 1,2-Dichloroethane-d4	1089	120	1250	0	87.1	70-125	0			
Surr: 4-Bromofluorobenzene	1125	120	1250	0	90	72.4-125	0			
Surr: Dibromofluoromethane	1213	120	1250	0	97	71.2-125	0			
Surr: Toluene-d8	1190	120	1250	0	95.2	75-125	0			

MSD		Sample ID: 0507280-01AMSD			Test Code: SW8260		Units: µg/L		Analysis Date: 07/21/05 13:21	
Client ID:		Run ID: VOA1_050721A		SeqNo: 690603		Prep Date:		DF: 25		
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethane	1203	120	1250	0	96.3	74.2-122	1184	1.61	20	
1,1-Dichloroethene	1177	120	1250	0	94.1	75.8-122	1080	8.53	20	
1,2-Dichloroethane	1138	120	1250	0	91	78.8-120	1127	0.925	20	
cis-1,2-Dichloroethene	1278	120	1250	0	102	80-120	1225	4.23	20	
Tetrachloroethene	1136	120	1250	0	90.8	80-120	1134	0.171	20	
Trichloroethene	1178	120	1250	0	94.2	80-120	1153	2.09	20	
Vinyl chloride	1153	50	1250	0	92.2	76.2-121	1098	4.9	20	
Surr: 1,2-Dichloroethane-d4	1078	120	1250	0	86.2	70-125	1089	1.04	20	
Surr: 4-Bromofluorobenzene	1118	120	1250	0	89.4	72.4-125	1125	0.693	20	
Surr: Dibromofluoromethane	1176	120	1250	0	94.1	71.2-125	1213	3.11	20	
Surr: Toluene-d8	1171	120	1250	0	93.7	75-125	1190	1.55	20	

The following samples were analyzed in this batch:

0507279-04A

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

O - Referenced analyte value is > 4 times amount spiked

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

P - Dual Column results percent difference > 40%

B - Analyte detected in assoc. Method Blank

U - Analyzed for but not detected

E - Value above quantitation range

CLIENT: ERM Southwest, Inc.
 Work Order: 0507279
 Project: Cameron Iron

QC BATCH REPORT

Batch ID: R30186 InstrumentID: VOA1

MBLK Sample ID: VBLKW-0722 Test Code: SW8260 Units: µg/L Analysis Date: 07/22/05 11:24

Client ID: Run ID: VOA1_050722A SeqNo: 691465 Prep Date: DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethane	U	5.0								
1,1-Dichloroethene	U	5.0								
1,2-Dichloroethane	U	5.0								
cis-1,2-Dichloroethene	U	5.0								
Tetrachloroethene	U	5.0								
Trichloroethene	U	5.0								
Vinyl chloride	U	2.0								
Surr: 1,2-Dichloroethane-d4	40.09	5.0	50	0	80.2	70-125	0			
Surr: 4-Bromofluorobenzene	43.58	5.0	50	0	87.2	72.4-125	0			
Surr: Dibromofluoromethane	45.53	5.0	50	0	91.1	71.2-125	0			
Surr: Toluene-d8	48.33	5.0	50	0	96.7	75-125	0			

LCS Sample ID: VLCSW-0722 Test Code: SW8260 Units: µg/L Analysis Date: 07/22/05 10:29

Client ID: Run ID: VOA1_050722A SeqNo: 691464 Prep Date: DF: 1

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethane	49.64	5.0	50	0	99.3	74.2-122	0			
1,1-Dichloroethene	49.95	5.0	50	0	99.9	75.8-122	0			
1,2-Dichloroethane	40.13	5.0	50	0	80.3	78.8-120	0			
cis-1,2-Dichloroethene	51.55	5.0	50	0	103	80-120	0			
Tetrachloroethene	44.87	5.0	50	0	89.7	80-120	0			
Trichloroethene	45.34	5.0	50	0	90.7	80-120	0			
Vinyl chloride	51.33	2.0	50	0	103	76.2-121	0			
Surr: 1,2-Dichloroethane-d4	38.5	5.0	50	0	77	70-125	0			
Surr: 4-Bromofluorobenzene	42.67	5.0	50	0	85.3	72.4-125	0			
Surr: Dibromofluoromethane	44.71	5.0	50	0	89.4	71.2-125	0			
Surr: Toluene-d8	46.6	5.0	50	0	93.2	75-125	0			

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

O - Referenced analyte value is > 4 times amount spiked

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

P - Dual Column results percent difference > 40%

B - Analyte detected in assoc. Method Blank

U - Analyzed for but not detected

E - Value above quantitation range

CLIENT: ERM Southwest, Inc.
 Work Order: 0507279
 Project: Cameron Iron

QC BATCH REPORT

Batch ID: R30186 InstrumentID: VOA1

MS		Sample ID: 0507288-01AMS		Test Code: SW8260		Units: µg/L		Analysis Date: 07/22/05 14:39		
Client ID:		Run ID: VOA1_050722A		SeqNo: 691472		Prep Date:		DF: 100		
Analyte	Result	ML	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethane	5312	500	5000	0	106	74.2-122	0			
1,1-Dichloroethene	5152	500	5000	0	103	75.8-122	0			
1,2-Dichloroethane	4310	500	5000	0	86.2	78.8-120	0			
cis-1,2-Dichloroethene	5498	500	5000	0	110	80-120	0			
Tetrachloroethene	4523	500	5000	0	90.5	80-120	0			
Trichloroethene	4833	500	5000	0	96.7	80-120	0			
Vinyl chloride	5197	200	5000	0	104	76.2-121	0			
Surr: 1,2-Dichloroethane-d4	4137	500	5000	0	82.7	70-125	0			
Surr: 4-Bromofluorobenzene	4394	500	5000	0	87.9	72.4-125	0			
Surr: Dibromofluoromethane	4714	500	5000	0	94.3	71.2-125	0			
Surr: Toluene-d8	4836	500	5000	0	96.7	75-125	0			

MSD		Sample ID: 0507288-01AMSD		Test Code: SW8260		Units: µg/L		Analysis Date: 07/22/05 15:07		
Client ID:		Run ID: VOA1_050722A		SeqNo: 691473		Prep Date:		DF: 100		
Analyte	Result	ML	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethane	5175	500	5000	0	103	74.2-122	5312	2.62	20	
1,1-Dichloroethene	4973	500	5000	0	99.5	75.8-122	5152	3.54	20	
1,2-Dichloroethane	4120	500	5000	0	82.4	78.8-120	4310	4.53	20	
cis-1,2-Dichloroethene	5414	500	5000	0	108	80-120	5498	1.53	20	
Tetrachloroethene	4568	500	5000	0	91.4	80-120	4523	0.981	20	
Trichloroethene	4926	500	5000	0	98.5	80-120	4833	1.91	20	
Vinyl chloride	5182	200	5000	0	104	76.2-121	5197	0.291	20	
Surr: 1,2-Dichloroethane-d4	4058	500	5000	0	81.2	70-125	4137	1.93	20	
Surr: 4-Bromofluorobenzene	4346	500	5000	0	86.9	72.4-125	4394	1.1	20	
Surr: Dibromofluoromethane	4615	500	5000	0	92.3	71.2-125	4714	2.14	20	
Surr: Toluene-d8	4783	500	5000	0	95.7	75-125	4836	1.1	20	

The following samples were analyzed in this batch:

0507279-01A	0507279-02A	0507279-03A
0507279-05A	0507279-06A	

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- O - Referenced analyte value is > 4 times amount spiked
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- P - Dual Column results percent difference > 40%
- B - Analyte detected in assoc. Method Blank
- U - Analyzed for but not detected
- E - Value above quantitation range



e-Lab Analytical, Inc.
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Chain of Custody Form

Page 1 of 1

e-Lab Analytical, Inc.
3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Cameron	Volatiles A-C <u>NS</u> LIST B.	
Work Order		Project Number	0031202		
Company Name	ERM Southwest, Inc.	Bill To Company	ERM Southwest, Inc.		
Send Report To	Greg Wheeler	Invoice Attn	Greg Wheeler		
Address	15810 Park Ten Place Suite 300	Address	15810 Park Ten Place Suite 300		
City/State/Zip	Houston, TX 77084	City/State/Zip	Houston, TX 77084		
Phone	(281) 600-1015	Phone	(281) 600-1000		
Fax	(281) 600-1001	Fax	(281) 600-1001		
e-Mail Address		e-Mail Address			

No.	Sample Description	Date	Time	Matrix	Pres	# Bottles	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Hold
1	SWD-15	7-19-05	1210	water	HCL	3	X																
2	MW-70		1505			3	X																
3	MW-93		1558			3	X																
4	FB071905		1605			3	X																
5	DUP-1		0000			3	X																
6	DUP-2		0005			3	X																
7																							
8																							
9																							
10																							

Sampler(s) Please Print & Sign MARGIE SIMPSON / Margie Simpson		Shipment Method E-LAB		Required Turnaround Time (Check Box) <input checked="" type="checkbox"/> Ship by Day <input type="checkbox"/> 5 Wk by <input type="checkbox"/> 2 Wk by <input type="checkbox"/> 24 Hour		Results Due Date	
Requisitioned by M. J. White	Date: 7-19-05	Time: 1715	Received by [Signature]	Date: 7-20-05	Time: 17:50	Notes: VOCs by List B.	
Relinquished by [Signature]	Date: 7-20-05	Time: 17:50	Checked by (Laboratory)			<input checked="" type="checkbox"/> Level II Std QC <input type="checkbox"/> Level III Std QC / Raw Data <input type="checkbox"/> Level IV SW846/CLP <input type="checkbox"/> Other	
Preservative Key: 1-HCl, 2-HNO ₃ , 3-H ₂ SO ₄ , 4-NaOH, 5-Na ₂ SiO ₃ , 6-NaHSO ₄ , 7-Other, 8-4°C, 9-5085							

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to e-Lab Analytical, Inc.

2. Unless otherwise agreed in a formal contract, services provided by e-Lab Analytical, Inc. are expressly limited to the terms and conditions stated on the reverse.

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Sample Receipt Checklist

Client Name ERMSW-HOU

Date/Time Received: 7/20/2005 4:45:00 PM

Work Order Number 0507279

Received by: PS

Checklist completed by RICHARDO SANCHEZ 7-21-05
Signature Date

Reviewed by LT 7/20/05
Initials Date

Matrix: W

Carrier name E-Lab

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container/Temp Blank temperature in compliance? Yes No
- Temperature(s)/Thermometer(s): 3.3c 002
- Water - VOA vials have zero headspace? Yes No No VOA vials submitted
- Water - pH acceptable upon receipt? Yes No N/A

Adjusted? _____ Checked by _____

Login Notes:

Any No and/or NA (not applicable) response must be detailed in the comments section below.


Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

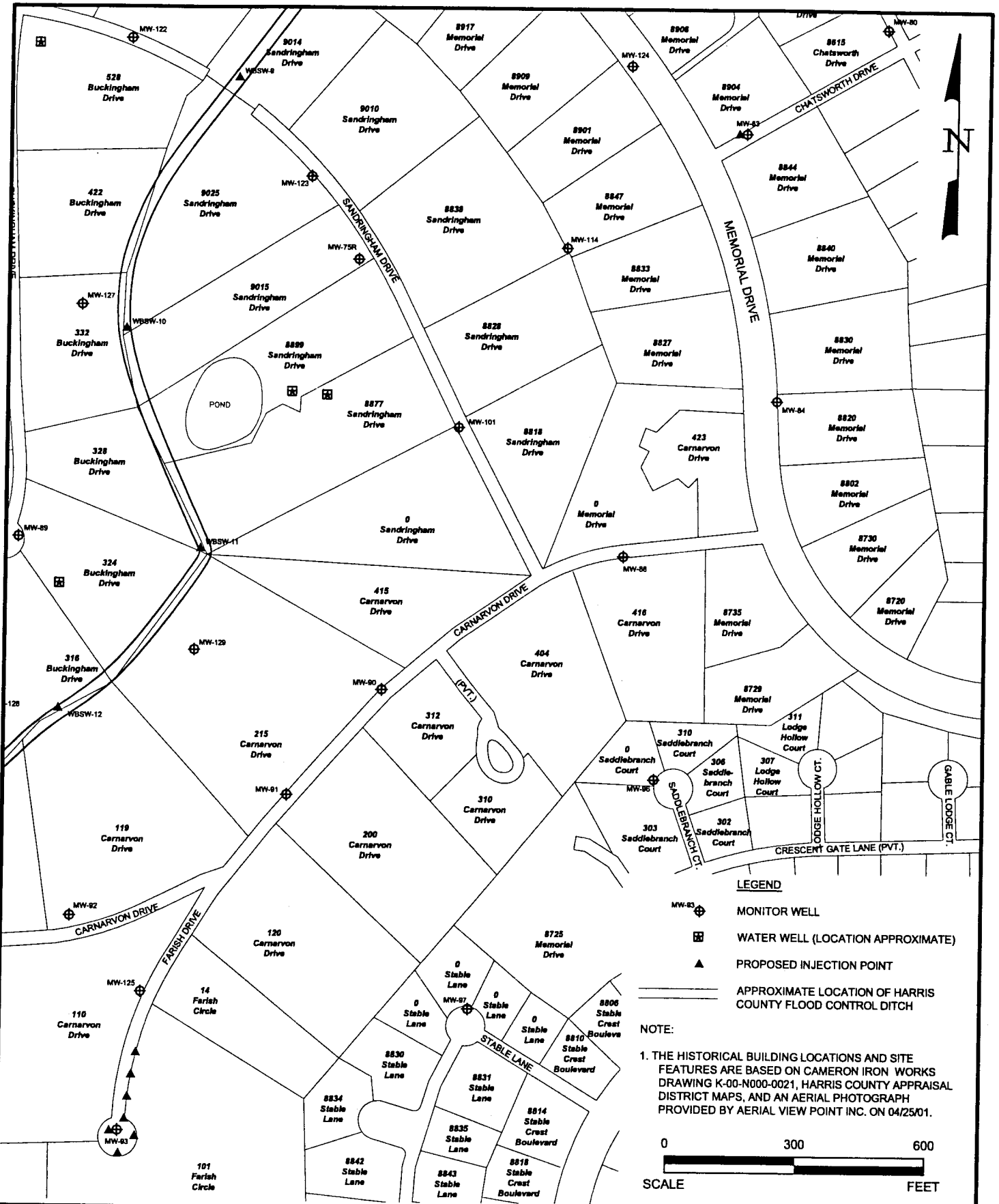
045719

 QUALITY • INTEGRITY • SERVICE	e-Lab Analytical, Inc. 10450 Stancil Rd., Suite 210 Houston, Texas 77099 Tel. 281.530.5656 Fax. 218.530.5887	CUSTODY ^{SE}
	<i>[Signature]</i> 7/20/05	Date: 7-19-05 Time: _____ Name: M. ST. MACIE Company: ERN

Proposed Injection Points
Attachment 3

August 26, 2005
Project No. 0014347

Environmental Resources Management
15810 Park Ten Place, Suite 300
Houston, Texas 77084
(281) 600-1000



ERM-Southwest, Inc.
 HOUSTON · NEW ORLEANS · AUSTIN · MOBILE · BEAUMONT · BATON ROUGE

ATTACHMENT 3
 PROPOSED INJECTION
 POINT/WELL LOCATION MAP - SOUTH OF I-10
 Former Cameron Iron Works Facility
 Houston, Texas



DESIGN: TJL	DRAWN: EFC	CHKD.: GJW
DATE: 08/25/05	SCALE: AS SHOWN	REV.:
W.O.NO.: H:\dwg\H05\0014347a209.dwg, 8/25/2005 2:49:11 PM		