

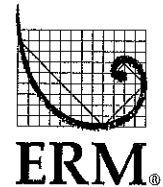
Environmental
Resources
Management

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

October 30, 2007

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. 0060761



Subject: Third Quarter 2007 Monitoring Data Transmittal
Former Cameron Iron Works Facility, Houston, Texas
VCP No. 221

Dear Mr. Riggle:

On behalf of Cameron International Corporation (Cameron), Environmental Resources Management (ERM) is providing this transmittal of ground water data to the Texas Commission on Environmental Quality (TCEQ) for your records. This report presents a summary of the actions undertaken in responses to an apparent movement of the plume in some areas of the Former Cameron Iron Works Facility (the facility). A summary table (Table 1) has been created to convey this information, as well as the future course of action for each area.

Six ground water samples were collected between July 31 and August 28, 2007 at monitor well locations (MW-70, MW-78, MW-79, MW-93, MW-96, and MW-125) and analyzed for the site-specific constituents of concern (COCs). Additionally, MW-70 was re-sampled on August 28, 2007 to confirm a concentration of trichloroethene (TCE) reported on July 31, 2007. These sample locations are located in the residential neighborhood south of the facility. This quarterly sampling event was performed at these locations because the results from April 2007 exceeded the following trigger:

- the method quantitation limits (MQLs) at MW-70; and
- the MQLs and critical protective concentration levels (PCLs) at MW-78, MW-79, MW-93, MW-96, and MW-125.

A summary of the ground water analytical data for the Third Quarter 2007 Sampling Event is presented in Table 2. The data usability summaries and laboratory reports are provided as Attachment 2. The ground water analytical results were compared to the response action items outlined in the *Response Action Plan* (RAP) dated August 28, 2003 and summarized in Table 1.

Conclusion

The following response actions will be initiated to meet the requirements of the RAP:

- COC concentrations will be monitored in ground water at MW-70, MW-78, MW-93, MW-96, and MW-125 on a quarterly basis;
- Affected ground water downgradient of MW-96 will be delineated;
- In the areas of MW-78, MW-93, and MW-125, monitoring/injection wells (MW-150 through MW-155 and IW-47 through IW-52) will be monitored for the presence of permanganate; and
- The need for additional treatment will be evaluated at MW-78, MW-93, and MW-125.

Cameron was recently granted access in the vicinity of MW-96 to delineate the affected ground water in the area downgradient of MW-96. The drilling activities are being scheduled and should be completed by November 15, 2007. The next quarterly sampling event will be in January 2008 because a regularly scheduled semiannual event is scheduled for October 2007.

Please contact Mr. Ted Fasting of Cameron International Corporation at (713) 513-3325 or me at (281) 600-1074 with any questions or comments.

Sincerely,

Environmental Resources Management



Gregory J. Wheeler, P.G.

GJW/mnt

Attachments

cc: Ted Fasting, Cameron International Corporation
Bruce Himmelreich, Cameron International Corporation (without attachments)
Paul Stefan, Environmental Resources Management (Houston)
Marsha Hill, Texas Commission on Environmental Quality, Region X II

Tables
Attachment 1

October 30, 2007
Project No. 0060761

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

TABLE 1

Summary of Response Action Plan Implementation
Third Quarter 2007 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Well	COCs elevated above MQL	COCs elevated above PCL	Need for Additional Notification (Yes or No)	In-situ Treatment (Yes or No)	Sampling Frequency
MW-70	1,1-dichloroethane cis-1,2-dichloroethane trichloroethene	trichloroethene	no (a)	no (b)	Quarterly
MW-78	1,1-dichloroethane	1,1-dichloroethene	yes (c)	yes	Quarterly
MW-79	none	none	no	no	Semiannually
MW-93	tetrachloroethene	tetrachloroethene	no (a)	yes	Quarterly
MW-96	1,1-dichloroethene	1,1-dichloroethene	yes (d)	no (e)	Quarterly
MW-125	tetrachloroethene	tetrachloroethene	no (a)	yes	Quarterly

NOTES:

COCs = Chemicals of Concern

MQL = Method Quantitation Limit

PCL = Protective Concentration Level

(a) Properties in the vicinity of the affected ground water have been previously notified.

(b) MW-70 will continue to be monitored on a quarterly basis until the slightly elevated reported concentration of trichloroethene is confirmed with four quarters of reported concentrations above the critical PCL.

(c) Notification letters were sent to property owners in the vicinity of MW-78 on June 29, 2007; therefore, additional notification is not necessary.

(d) Notification letters were sent to property owners in the vicinity of MW-96 on April 19, 2007; therefore, additional notification is not necessary.

(e) The in-situ treatment in the vicinity of MW-96 will be evaluated after delineation is complete.

TABLE 2

Summary of Monitor Well Ground Water Data
Third Quarter 2007 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Constituent	MQL	Critical PCLs (a)	MW-70		MW-78		MW-79	
			4/24/2007	7/31/2007	4/24/2007	8/1/2007	5/21/2007	8/2/2007
1,1-Dichloroethane	0.0050	2.4	0.0075	0.010	0.016	0.011	0.0011 J	ND (0.0050)
1,1-Dichloroethane	0.0050	0.0070	ND (0.0050)	0.00088 J	0.13	0.26	0.039	0.0050
1,2-Dichloroethane	0.0050	0.0050	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
cis-1,2-Dichloroethane	0.0050	0.070	0.0055	0.018	0.0040 J	0.0016 J	ND (0.0050)	ND (0.0050)
Tetrachloroethane	0.0050	0.0050	ND (0.0050)	0.00069 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Trichloroethane	0.0050	0.0050	0.0016 J	0.0058	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Vinyl Chloride	0.0020	0.0020	ND (0.0020)	0.0015 J	0.00079 J	ND (0.0020)	ND (0.0020)	ND (0.0020)

Constituent	MQL	Critical PCLs (a)	MW-93		MW-96		MW-125	
			4/25/2007	8/6/2007	4/26/2007	8/15/2007	4/26/2007	8/6/2007
1,1-Dichloroethane	0.0050	2.4	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0012 J	ND (0.0050)	ND (0.0050)
1,1-Dichloroethane	0.0050	0.0070	ND (0.0050)	ND (0.0050)	0.015	0.018	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)	ND (0.0050)
cis-1,2-Dichloroethane	0.0050	0.070	ND (0.0050)	0.00073 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Tetrachloroethane	0.0050	0.0050	0.15	0.080	ND (0.0050)	ND (0.0050)	0.014	0.033
Trichloroethane	0.0050	0.0050	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Vinyl Chloride	0.0020	0.0020	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)

NOTES:

0.0070 = exceedance of TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Groundwater critical PCLs.

Bold values exceed the MQL.

The reported concentrations are in mg/L.

ND (0.0050) = Not Detected above the method quantitation limit given in parentheses.

NA = Not Analyzed

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 April 24, 2007.

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

J = Estimated data, the reported sample concentration is below the sample quantitation limit.

Data Usability Summaries and Laboratory Reports
Attachment 2

October 30, 2007
Project No. 0060761

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

Attachment 2-1

Data Usability Summary and Laboratory Report (0708117) Third Quarter Ground Water Sampling Event

Former Cameron Iron Works Facility
Houston, Texas

Environmental Resources Management (ERM) reviewed a laboratory analytical data package (0708117) from e-Lab Analytical, Inc. of Houston, Texas for the analysis of seven ground water samples collected on July 31, August 1, 6, and 15, 2007 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 downgradient of the facility as a response action triggered by the April 2007 results.

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)

The 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

Twelve ground water samples and one field blank were provided to the laboratory for analysis. Thirteen samples were analyzed for seven volatile organic compounds (VOCs) (1,1-dichloroethene, 1,1-dichloroethane, 1,2-dichloroethane, cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride). Two trip blank were provided to the laboratory but were 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

The sample data are 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. The samples were received in the appropriate containers and in good condition with the paperwork properly completed. Sample receipt temperatures were within the acceptance criteria of 4 ± 2 °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 blanks and the field blanks.

Surrogate Recoveries

VOC sample surrogate recoveries were within the TRRP defined acceptance 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 TRRP defined acceptance limits for VOCs.

Matrix Spike/Matrix Spike Duplicates

Batch R53324 matrix spike/matrix spike duplicate (MS/MSD) recoveries were within the TRRP defined acceptance limits for VOCs.

VOC analysis batches R53125, R53171, and R53226 were not project related and therefore were not assessed.

Field Precision

Field duplicate samples were not collected during this sampling event.

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 2-1-1

Cross Reference Field Sample Identifications and Laboratory Identifications
Third Quarter Ground Water Sampling Event

Former Cameron Iron Works Facility
Houston, Texas

Field ID	Laboratory ID
0708117-01	MW-132
0708117-02	MW-70
0708117-03	MW-138
0708117-04	MW-146
0708117-05	MW-78
0708117-06	MW-135
0708117-07	MW-136
0708117-08	MW-137
0708117-09	MW-140
0708117-10	FB-080107
0708117-11	Trip Blank
0708117-12	MW-93
0708117-13	MW-125
0708117-14	Trip Blank 1301
0708117-15	MW-96



e-Lab Analytical, Inc.

10450 Standliff Rd, Suite 210 Houston, Texas 77099-4338 (281) 530-5656 Fax (281) 530-5887

August 20, 2007

Marcel St. Marie
ERM Southwest, Inc.
15810 Park Ten Place
Suite 300
Houston, TX 77084

Tel: (281) 600-1130
Fax: (281) 600-1001

Re: Silber Road Project

Work Order : **0708117**

Dear Marcel St. Marie,

e-Lab Analytical, Inc. received 15 samples on 8/15/2007 through 8/6/2007 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 31.

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

Sincerely,

Lora Terrill

Electronically approved by: Rebecca L. Hunt

Lora Terrill
VP Lab Operations



Certificate No: T104704231-06-TX

CLIENT: ERM Southwest, Inc.
Project: Silber Road Project
Work Order: 0708117

**TRRP Laboratory Data
Package Cover Page**

This data package consists of all or some of the following as applicable:

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.

Lora Terrill

Lora Terrill

VP Lab Operations

Laboratory Review Checklist: Reportable Data

Laboratory Name: e-Lab Analytical, Inc.		LRC Date: 08/14/2007					
Project Name: Silber Rd		Laboratory Job Number: 0708117					
Reviewer Name: Lora Terrill		Prep Batch Number(s): R53125, R53171, R53226, and R53521, R53521					
# 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			I
		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: 08/14/2007				
Project Name: Silber Rd			Laboratory Job Number: 0708117				
Reviewer Name: Lora Terrill			Prep Batch Number(s): R53125, R53171, R53226, and R53521				
# 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: 08/14/2007
Project Name: Silber Rd	Laboratory Job Number: 0708117
Reviewer Name: Lora Terrill	Prep Batch Number(s): R53125, R53171, R53226, and R53521
ER # ¹	DESCRIPTION
1	Batch R53125 Volatiles MS/MSD is an unrelated sample.
	Batch R53171 Volatiles MS/MSD is an unrelated sample.
	Batch R53226 Volatiles MS/MSD is an unrelated sample.

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: Silber Road Project
Work Order: 0708117

Work Order Sample Summary

<u>Lab Samp 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>
0708117-01	MW-132	Water		7/31/2007 09:30	8/3/2007 13:20	<input type="checkbox"/>
0708117-02	MW-70	Water		7/31/2007 16:35	8/3/2007 13:20	<input type="checkbox"/>
0708117-03	MW-138	Water		8/1/2007 09:20	8/3/2007 13:20	<input type="checkbox"/>
0708117-04	MW-146	Water		8/1/2007 10:35	8/3/2007 13:20	<input type="checkbox"/>
0708117-05	MW-78	Water		8/1/2007 11:30	8/3/2007 13:20	<input type="checkbox"/>
0708117-06	MW-135	Water		8/1/2007 12:25	8/3/2007 13:20	<input type="checkbox"/>
0708117-07	MW-136	Water		8/1/2007 13:40	8/3/2007 13:20	<input type="checkbox"/>
0708117-08	MW-137	Water		8/1/2007 14:45	8/3/2007 13:20	<input type="checkbox"/>
0708117-09	MW-140	Water		8/1/2007 15:45	8/3/2007 13:20	<input type="checkbox"/>
0708117-10	FB-080107	Water		8/1/2007 17:10	8/3/2007 13:20	<input type="checkbox"/>
0708117-11	Trip Blank	Water		8/1/2007 17:10	8/3/2007 13:20	<input type="checkbox"/>
0708117-12	MW-93	Water		8/6/2007 09:15	8/6/2007 14:30	<input type="checkbox"/>
0708117-13	MW-125	Water		8/6/2007 12:10	8/6/2007 14:30	<input type="checkbox"/>
0708117-14	Trip Blank 1301	Water		8/6/2007 12:10	8/6/2007 14:30	<input type="checkbox"/>
0708117-15	MW-96	Water		8/15/2007 12:42	8/15/2007 17:00	<input type="checkbox"/>

e-Lab Analytical, Inc.

Date: August 20, 2007

CLIENT: ERM Southwest, Inc.
Work Order: 0708117
Project: Silber Road Project
Lab ID: 0708117-01

Client Sample ID: MW-132
Collection Date: 7/31/2007 9:30:00 AM
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260			Analyst: PC	
1,1-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/7/2007
1,1-Dichloroethene	U		0.00060	0.0050	mg/L	1	8/7/2007
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/7/2007
cis-1,2-Dichloroethene	U		0.00050	0.0050	mg/L	1	8/7/2007
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	8/7/2007
Trichloroethene	U		0.00070	0.0050	mg/L	1	8/7/2007
Vinyl chloride	U		0.00060	0.0020	mg/L	1	8/7/2007
Surr: 1,2-Dichloroethane-d4	103			70-125	%REC	1	8/7/2007
Surr: 4-Bromofluorobenzene	104			72-125	%REC	1	8/7/2007
Surr: Dibromofluoromethane	106			71-125	%REC	1	8/7/2007
Surr: Toluene-d8	104			75-125	%REC	1	8/7/2007

Qualifiers: U - Analyzed for but Not Detected S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits P - Dual Column results RPD > 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

e-Lab Analytical, Inc.

Date: August 20, 2007

CLIENT: ERM Southwest, Inc.
 Work Order: 0708117
 Project: Silber Road Project
 Lab ID: 0708117-02

Client Sample ID: MW-70
 Collection Date: 7/31/2007 4:35:00 PM
 Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260			Analyst: PC	
1,1-Dichloroethane	0.010		0.00050	0.0050	mg/L	1	8/7/2007
1,1-Dichloroethene	0.00088	J	0.00060	0.0050	mg/L	1	8/7/2007
1,2-Dichloroethane		U	0.00050	0.0050	mg/L	1	8/7/2007
cis-1,2-Dichloroethene	0.018		0.00050	0.0050	mg/L	1	8/7/2007
Tetrachloroethene	0.00069	J	0.00050	0.0050	mg/L	1	8/7/2007
Trichloroethene	0.0058		0.00070	0.0050	mg/L	1	8/7/2007
Vinyl chloride	0.0015	J	0.00060	0.0020	mg/L	1	8/7/2007
Surr: 1,2-Dichloroethane-d4	100			70-125	%REC	1	8/7/2007
Surr: 4-Bromofluorobenzene	101			72-125	%REC	1	8/7/2007
Surr: Dibromofluoromethane	102			71-125	%REC	1	8/7/2007
Surr: Toluene-d8	103			75-125	%REC	1	8/7/2007

Qualifiers: U - Analyzed for but Not Detected S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits P - Dual Column results RPD > 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

e-Lab Analytical, Inc.

Date: August 20, 2007

CLIENT: ERM Southwest, Inc.
 Work Order: 0708117
 Project: Silber Road Project
 Lab ID: 0708117-03

Client Sample ID: MW-138
 Collection Date: 8/1/2007 9:20:00 AM
 Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260				Analyst: PC
1,1-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/7/2007
1,1-Dichloroethene	U		0.00060	0.0050	mg/L	1	8/7/2007
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/7/2007
cis-1,2-Dichloroethene	U		0.00050	0.0050	mg/L	1	8/7/2007
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	8/7/2007
Trichloroethene	U		0.00070	0.0050	mg/L	1	8/7/2007
Vinyl chloride	U		0.00060	0.0020	mg/L	1	8/7/2007
Surr: 1,2-Dichloroethane-d4	102			70-125	%REC	1	8/7/2007
Surr: 4-Bromofluorobenzene	103			72-125	%REC	1	8/7/2007
Surr: Dibromofluoromethane	104			71-125	%REC	1	8/7/2007
Surr: Toluene-d8	103			75-125	%REC	1	8/7/2007

Qualifiers: U - Analyzed for but Not Detected S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits P - Dual Column results RPD > 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

e-Lab Analytical, Inc.

Date: August 20, 2007

CLIENT: ERM Southwest, Inc.

Client Sample ID: MW-146

Work Order: 0708117

Collection Date: 8/1/2007 10:35:00 AM

Project: Silber Road Project

Lab ID: 0708117-04

Matrix: WATER

Analyses	Result	Qual	SDL	MLL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260			Analyst: PC	
1,1-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/7/2007
1,1-Dichloroethene	U		0.00060	0.0050	mg/L	1	8/7/2007
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/7/2007
cis-1,2-Dichloroethene	U		0.00050	0.0050	mg/L	1	8/7/2007
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	8/7/2007
Trichloroethene	U		0.00070	0.0050	mg/L	1	8/7/2007
Vinyl chloride	U		0.00060	0.0020	mg/L	1	8/7/2007
Surr: 1,2-Dichloroethane-d4	99.5			70-125	%REC	1	8/7/2007
Surr: 4-Bromofluorobenzene	103			72-125	%REC	1	8/7/2007
Surr: Dibromofluoromethane	104			71-125	%REC	1	8/7/2007
Surr: Toluene-d8	103			75-125	%REC	1	8/7/2007

Qualifiers: U - Analyzed for but Not Detected

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

P - Dual Column results RPD > 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

e-Lab Analytical, Inc.

Date: August 20, 2007

CLIENT: ERM Southwest, Inc.
 Work Order: 0708117
 Project: Silber Road Project
 Lab ID: 0708117-05

Client Sample ID: MW-78
 Collection Date: 8/1/2007 11:30:00 AM
 Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260			Analyst: PC	
1,1-Dichloroethane	0.011		0.00050	0.0050	mg/L	1	8/8/2007
1,1-Dichloroethene	0.26		0.0060	0.050	mg/L	10	8/8/2007
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/8/2007
cis-1,2-Dichloroethene	0.0016	J	0.00050	0.0050	mg/L	1	8/8/2007
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	8/8/2007
Trichloroethene	U		0.00070	0.0050	mg/L	1	8/8/2007
Vinyl chloride	U		0.00060	0.0020	mg/L	1	8/8/2007
Surr: 1,2-Dichloroethane-d4	116			70-125	%REC	1	8/8/2007
Surr: 1,2-Dichloroethane-d4	115			70-125	%REC	10	8/8/2007
Surr: 4-Bromofluorobenzene	95.8			72-125	%REC	1	8/8/2007
Surr: 4-Bromofluorobenzene	92.7			72-125	%REC	10	8/8/2007
Surr: Dibromofluoromethane	115			71-125	%REC	1	8/8/2007
Surr: Dibromofluoromethane	114			71-125	%REC	10	8/8/2007
Surr: Toluene-d8	103			75-125	%REC	1	8/8/2007
Surr: Toluene-d8	101			75-125	%REC	10	8/8/2007

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 RPD > 40%
 E - Value above quantitation range
 H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: August 20, 2007

CLIENT: ERM Southwest, Inc.
Work Order: 0708117
Project: Silber Road Project
Lab ID: 0708117-06

Client Sample ID: MW-135
Collection Date: 8/1/2007 12:25:00 PM
Matrix: WATER

Analyses	Result	Qual	SDL	MLL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260			Analyst: PC	
1,1-Dichloroethane	0.00056	J	0.00050	0.0050	mg/L	1	8/7/2007
1,1-Dichloroethene	0.0044	J	0.00060	0.0050	mg/L	1	8/7/2007
1,2-Dichloroethane		U	0.00050	0.0050	mg/L	1	8/7/2007
cis-1,2-Dichloroethene	0.00085	J	0.00050	0.0050	mg/L	1	8/7/2007
Tetrachloroethene	0.0062		0.00050	0.0050	mg/L	1	8/7/2007
Trichloroethene		U	0.00070	0.0050	mg/L	1	8/7/2007
Vinyl chloride		U	0.00060	0.0020	mg/L	1	8/7/2007
Surr: 1,2-Dichloroethane-d4	99.5			70-125	%REC	1	8/7/2007
Surr: 4-Bromofluorobenzene	104			72-125	%REC	1	8/7/2007
Surr: Dibromofluoromethane	105			71-125	%REC	1	8/7/2007
Surr: Toluene-d8	106			75-125	%REC	1	8/7/2007

Qualifiers: U - Analyzed for but Not Detected S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits P - Dual Column results RPD > 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

e-Lab Analytical, Inc.

Date: August 20, 2007

CLIENT: ERM Southwest, Inc.
 Work Order: 0708117
 Project: Silber Road Project
 Lab ID: 0708117-07

Client Sample ID: MW-136
 Collection Date: 8/1/2007 1:40:00 PM
 Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260			Analyst: PC	
1,1-Dichloroethane	0.00062	J	0.00050	0.0050	mg/L	1	8/7/2007
1,1-Dichloroethene	0.011		0.00060	0.0050	mg/L	1	8/7/2007
1,2-Dichloroethane		U	0.00050	0.0050	mg/L	1	8/7/2007
cis-1,2-Dichloroethene	0.00057	J	0.00050	0.0050	mg/L	1	8/7/2007
Tetrachloroethene	0.0035	J	0.00050	0.0050	mg/L	1	8/7/2007
Trichloroethene		U	0.00070	0.0050	mg/L	1	8/7/2007
Vinyl chloride		U	0.00060	0.0020	mg/L	1	8/7/2007
Surr: 1,2-Dichloroethane-d4	101			70-125	%REC	1	8/7/2007
Surr: 4-Bromofluorobenzene	103			72-125	%REC	1	8/7/2007
Surr: Dibromofluoromethane	104			71-125	%REC	1	8/7/2007
Surr: Toluene-d8	104			75-125	%REC	1	8/7/2007

Qualifiers: U - Analyzed for but Not Detected S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits P - Dual Column results RPD > 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

e-Lab Analytical, Inc.

Date: August 20, 2007

CLIENT: ERM Southwest, Inc.
 Work Order: 0708117
 Project: Silber Road Project
 Lab ID: 0708117-08

Client Sample ID: MW-137
 Collection Date: 8/1/2007 2:45:00 PM
 Matrix: WATER

Analyses	Result	Qual	SDL	MLL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260			Analyst: PC	
1,1-Dichloroethane	0.034		0.00050	0.0050	mg/L	1	8/8/2007
1,1-Dichloroethene	0.062		0.00060	0.0050	mg/L	1	8/8/2007
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/8/2007
cis-1,2-Dichloroethene	0.0019	J	0.00050	0.0050	mg/L	1	8/8/2007
Tetrachloroethene	0.00088	J	0.00050	0.0050	mg/L	1	8/8/2007
Trichloroethene	0.00080	J	0.00070	0.0050	mg/L	1	8/8/2007
Vinyl chloride	0.0069		0.00060	0.0020	mg/L	1	8/8/2007
Surr: 1,2-Dichloroethane-d4	114			70-125	%REC	1	8/8/2007
Surr: 4-Bromofluorobenzene	94.4			72-125	%REC	1	8/8/2007
Surr: Dibromofluoromethane	115			71-125	%REC	1	8/8/2007
Surr: Toluene-d8	102			75-125	%REC	1	8/8/2007

Qualifiers: U - Analyzed for but Not Detected S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits P - Dual Column results RPD > 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

e-Lab Analytical, Inc.

Date: August 20, 2007

CLIENT: ERM Southwest, Inc.
 Work Order: 0708117
 Project: Silber Road Project
 Lab ID: 0708117-09

Client Sample ID: MW-140
 Collection Date: 8/1/2007 3:45:00 PM
 Matrix: WATER

Analyses	Result	Qual	SDL	SQL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260			Analyst: PC	
1,1-Dichloroethane	0.0055		0.00050	0.0050	mg/L	1	8/8/2007
1,1-Dichloroethene	0.23		0.0060	0.050	mg/L	10	8/9/2007
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/8/2007
cis-1,2-Dichloroethene	U		0.00050	0.0050	mg/L	1	8/8/2007
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	8/8/2007
Trichloroethene	U		0.00070	0.0050	mg/L	1	8/8/2007
Vinyl chloride	U		0.00060	0.0020	mg/L	1	8/8/2007
Surr: 1,2-Dichloroethane-d4	116			70-125	%REC	1	8/8/2007
Surr: 1,2-Dichloroethane-d4	113			70-125	%REC	10	8/9/2007
Surr: 4-Bromofluorobenzene	94.3			72-125	%REC	1	8/8/2007
Surr: 4-Bromofluorobenzene	90.7			72-125	%REC	10	8/9/2007
Surr: Dibromofluoromethane	115			71-125	%REC	1	8/8/2007
Surr: Dibromofluoromethane	112			71-125	%REC	10	8/9/2007
Surr: Toluene-d8	102			75-125	%REC	1	8/8/2007
Surr: Toluene-d8	98.1			75-125	%REC	10	8/9/2007

Qualifiers: U - Analyzed for but Not Detected S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits P - Dual Column results RPD > 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

e-Lab Analytical, Inc.

Date: August 20, 2007

CLIENT: ERM Southwest, Inc.
Work Order: 0708117
Project: Silber Road Project
Lab ID: 0708117-10

Client Sample ID: FB-080107
Collection Date: 8/1/2007 5:10:00 PM
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260				Analyst: PC
1,1-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/8/2007
1,1-Dichloroethene	U		0.00060	0.0050	mg/L	1	8/8/2007
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/8/2007
cis-1,2-Dichloroethene	U		0.00050	0.0050	mg/L	1	8/8/2007
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	8/8/2007
Trichloroethene	U		0.00070	0.0050	mg/L	1	8/8/2007
Vinyl chloride	U		0.00060	0.0020	mg/L	1	8/8/2007
Surr: 1,2-Dichloroethane-d4	115			70-125	%REC	1	8/8/2007
Surr: 4-Bromofluorobenzene	92.8			72-125	%REC	1	8/8/2007
Surr: Dibromofluoromethane	114			71-125	%REC	1	8/8/2007
Surr: Toluene-d8	101			75-125	%REC	1	8/8/2007

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 RPD > 40%
 E - Value above quantitation range
 H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: August 20, 2007

CLIENT: ERM Southwest, Inc.
Work Order: 0708117
Project: Silber Road Project
Lab ID: 0708117-12

Client Sample ID: MW-93
Collection Date: 8/6/2007 9:15:00 AM
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260			Analyst: PC	
1,1-Dichloroethane		U	0.00050	0.0050	mg/L	1	8/8/2007
1,1-Dichloroethene		U	0.00060	0.0050	mg/L	1	8/8/2007
1,2-Dichloroethane		U	0.00050	0.0050	mg/L	1	8/8/2007
cis-1,2-Dichloroethene	0.00073	J	0.00050	0.0050	mg/L	1	8/8/2007
Tetrachloroethene	0.080		0.00050	0.0050	mg/L	1	8/8/2007
Trichloroethene		U	0.00070	0.0050	mg/L	1	8/8/2007
Vinyl chloride		U	0.00060	0.0020	mg/L	1	8/8/2007
Surr: 1,2-Dichloroethane-d4	117			70-125	%REC	1	8/8/2007
Surr: 4-Bromofluorobenzene	92.3			72-125	%REC	1	8/8/2007
Surr: Dibromofluoromethane	112			71-125	%REC	1	8/8/2007
Surr: Toluene-d8	100			75-125	%REC	1	8/8/2007

Qualifiers: U - Analyzed for but Not Detected S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits P - Dual Column results RPD > 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

e-Lab Analytical, Inc.

Date: August 20, 2007

CLIENT: ERM Southwest, Inc.
Work Order: 0708117
Project: Silber Road Project
Lab ID: 0708117-13

Client Sample ID: MW-125
Collection Date: 8/6/2007 12:10:00 PM
Matrix: WATER

Analyses	Result	Qual	SDL	MLL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260			Analyst: PC	
1,1-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/8/2007
1,1-Dichloroethene	U		0.00060	0.0050	mg/L	1	8/8/2007
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/8/2007
cis-1,2-Dichloroethene	U		0.00050	0.0050	mg/L	1	8/8/2007
Tetrachloroethene	0.033		0.00050	0.0050	mg/L	1	8/8/2007
Trichloroethene	U		0.00070	0.0050	mg/L	1	8/8/2007
Vinyl chloride	U		0.00060	0.0020	mg/L	1	8/8/2007
Surr: 1,2-Dichloroethane-d4	116			70-125	%REC	1	8/8/2007
Surr: 4-Bromofluorobenzene	91.5			72-125	%REC	1	8/8/2007
Surr: Dibromofluoromethane	114			71-125	%REC	1	8/8/2007
Surr: Toluene-d8	100			75-125	%REC	1	8/8/2007

Qualifiers: U - Analyzed for but Not Detected S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits P - Dual Column results RPD > 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

e-Lab Analytical, Inc.

Date: August 20, 2007

CLIENT: ERM Southwest, Inc.
Work Order: 0708117
Project: Silber Road Project
Lab ID: 0708117-15

Client Sample ID: MW-96
Collection Date: 8/15/2007 12:42:00 PM
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260			Analyst: PC	
1,1-Dichloroethane	0.0012	J	0.00050	0.0050	mg/L	1	8/17/2007
1,1-Dichloroethene	0.018		0.00060	0.0050	mg/L	1	8/17/2007
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/17/2007
cis-1,2-Dichloroethene	U		0.00050	0.0050	mg/L	1	8/17/2007
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	8/17/2007
Trichloroethene	U		0.00070	0.0050	mg/L	1	8/17/2007
Vinyl chloride	U		0.00060	0.0020	mg/L	1	8/17/2007
Surr: 1,2-Dichloroethane-d4	99.9			70-125	%REC	1	8/17/2007
Surr: 4-Bromofluorobenzene	90.3			72-125	%REC	1	8/17/2007
Surr: Dibromofluoromethane	98.4			71-125	%REC	1	8/17/2007
Surr: Toluene-d8	95.4			75-125	%REC	1	8/17/2007

Qualifiers: U - Analyzed for but Not Detected S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits P - Dual Column results RPD > 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 20 2007

CLIENT: ERM Southwest, Inc.
 Work Order: 0708117
 Project: Silber Road Project

QC BATCH REPORT

Batch ID: R53125 Instrument ID VOA1 Method: SW8260

MBLK		Sample ID: VBLKW-080707			Units: µg/L			Analysis Date: 08/07/07 14:40		
Client ID:		Run ID: VOA1_070807A			SeqNo: 1185889		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	51.95	5.0	50	0	104	70-125	0			
Surr: 4-Bromofluorobenzene	52.26	5.0	50	0	105	72-125	0			
Surr: Dibromofluoromethane	52.22	5.0	50	0	104	71-125	0			
Surr: Toluene-d8	51.51	5.0	50	0	103	75-125	0			

LCS		Sample ID: VLCSW-080707			Units: µg/L			Analysis Date: 08/07/07 13:23		
Client ID:		Run ID: VOA1_070807A			SeqNo: 1185888		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	51.83	5.0	50	0	104	76-120	0			
1,1-Dichloroethene	51.57	5.0	50	0	103	73-124	0			
1,2-Dichloroethane	50.88	5.0	50	0	102	78-120	0			
cis-1,2-Dichloroethene	49.67	5.0	50	0	99.3	78-120	0			
Tetrachloroethene	51.34	5.0	50	0	103	79-120	0			
Trichloroethene	49.65	5.0	50	0	99.3	80-120	0			
Vinyl chloride	48.74	2.0	50	0	97.5	74-122	0			
Surr: 1,2-Dichloroethane-d4	51.12	5.0	50	0	102	70-125	0			
Surr: 4-Bromofluorobenzene	53.01	5.0	50	0	106	72-125	0			
Surr: Dibromofluoromethane	52.01	5.0	50	0	104	71-125	0			
Surr: Toluene-d8	53.23	5.0	50	0	106	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: 0708117
Project: Silber Road Project

QC BATCH REPORT

Batch ID: **R53125** Instrument ID **VOA1** Method: **SW8260**

MS		Sample ID: 0708145-01AMS				Units: µg/L		Analysis Date: 08/07/07 16:22		
Client ID:	Run ID: VOA1_070807A	SeqNo: 1185893	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	50.95	5.0	50	0	102	76-120	0			
1,1-Dichloroethene	30.92	5.0	50	0	61.8	73-124	0			S
1,2-Dichloroethane	52.92	5.0	50	0	106	78-120	0			
cis-1,2-Dichloroethene	50.6	5.0	50	0	101	78-120	0			
Tetrachloroethene	48.99	5.0	50	0	98	79-120	0			
Trichloroethene	48.76	5.0	50	0	97.5	80-120	0			
Vinyl chloride	45.93	2.0	50	0	91.9	74-122	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	52.16	5.0	50	0	104	70-125	0			
<i>Surr: 4-Bromofluorobenzene</i>	52.14	5.0	50	0	104	72-125	0			
<i>Surr: Dibromofluoromethane</i>	52.03	5.0	50	0	104	71-125	0			
<i>Surr: Toluene-d8</i>	52.49	5.0	50	0	105	75-125	0			

MSD		Sample ID: 0708145-01AMSD				Units: µg/L		Analysis Date: 08/07/07 16:48		
Client ID:	Run ID: VOA1_070807A	SeqNo: 1185895	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	52.44	5.0	50	0	105	76-120	50.95	2.88	20	
1,1-Dichloroethene	30.67	5.0	50	0	61.3	73-124	30.92	0.824	20	S
1,2-Dichloroethane	53.24	5.0	50	0	106	78-120	52.92	0.613	20	
cis-1,2-Dichloroethene	52.19	5.0	50	0	104	78-120	50.6	3.08	20	
Tetrachloroethene	48.4	5.0	50	0	96.8	79-120	48.99	1.22	20	
Trichloroethene	49.78	5.0	50	0	99.6	80-120	48.76	2.07	20	
Vinyl chloride	44.97	2.0	50	0	89.9	74-122	45.93	2.12	20	
<i>Surr: 1,2-Dichloroethane-d4</i>	52.4	5.0	50	0	105	70-125	52.16	0.454	20	
<i>Surr: 4-Bromofluorobenzene</i>	52.35	5.0	50	0	105	72-125	52.14	0.391	20	
<i>Surr: Dibromofluoromethane</i>	53.51	5.0	50	0	107	71-125	52.03	2.81	20	
<i>Surr: Toluene-d8</i>	51.5	5.0	50	0	103	75-125	52.49	1.9	20	

The following samples were analyzed in this batch:

0708117-01A	0708117-02A	0708117-03A
0708117-04A	0708117-06A	0708117-07A

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: 0708117
Project: Silber Road Project

QC BATCH REPORT

Batch ID: **R53171** Instrument ID **VOA2** Method: **SW8260**

MBLK		Sample ID: VBLKW-080807			Units: µg/L			Analysis Date: 08/08/07 11:46		
Client ID:		Run ID: VOA2_070808B		SeqNo: 1186514		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								
<i>Surr: 1,2-Dichloroethane-d4</i>	54.39	5.0	50	0	109	70-125	0			
<i>Surr: 4-Bromofluorobenzene</i>	46.16	5.0	50	0	92.3	72-125	0			
<i>Surr: Dibromofluoromethane</i>	55.93	5.0	50	0	112	71-125	0			
<i>Surr: Toluene-d8</i>	50.21	5.0	50	0	100	75-125	0			

LCS		Sample ID: VLCSW-080807			Units: µg/L			Analysis Date: 08/08/07 10:58		
Client ID:		Run ID: VOA2_070808B		SeqNo: 1186513		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	48.21	5.0	50	0	96.4	76-120	0			
1,1-Dichloroethene	45.93	5.0	50	0	91.9	73-124	0			
1,2-Dichloroethane	47.56	5.0	50	0	95.1	78-120	0			
cis-1,2-Dichloroethene	54.29	5.0	50	0	109	78-120	0			
Tetrachloroethene	42.92	5.0	50	0	85.8	79-120	0			
Trichloroethene	46.27	5.0	50	0	92.5	80-120	0			
Vinyl chloride	44.4	2.0	50	0	88.8	74-122	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	50.1	5.0	50	0	100	70-125	0			
<i>Surr: 4-Bromofluorobenzene</i>	48.93	5.0	50	0	97.9	72-125	0			
<i>Surr: Dibromofluoromethane</i>	52.61	5.0	50	0	105	71-125	0			
<i>Surr: Toluene-d8</i>	50.33	5.0	50	0	101	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: 0708117
Project: Silber Road Project

QC BATCH REPORT

Batch ID: **R53171** Instrument ID **VOA2** Method: **SW8260**

MS		Sample ID: 0708072-01AMS			Units: µg/L			Analysis Date: 08/08/07 14:36		
Client ID:		Run ID: VOA2_070808B			SeqNo: 1186516	Prep Date:		DF: 20		
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethane	936.9	100	1000	0	93.7	76-120	0			
1,1-Dichloroethene	784	100	1000	0	78.4	73-124	0			
1,2-Dichloroethane	970.3	100	1000	0	97	78-120	0			
cis-1,2-Dichloroethene	1050	100	1000	0	105	78-120	0			
Tetrachloroethene	758.4	100	1000	0	75.8	79-120	0			S
Trichloroethene	847.7	100	1000	0	84.8	80-120	0			
Vinyl chloride	739.8	40	1000	0	74	74-122	0			S
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>1067</i>	<i>100</i>	<i>1000</i>	<i>0</i>	<i>107</i>	<i>70-125</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>1026</i>	<i>100</i>	<i>1000</i>	<i>0</i>	<i>103</i>	<i>72-125</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>1081</i>	<i>100</i>	<i>1000</i>	<i>0</i>	<i>108</i>	<i>71-125</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>1029</i>	<i>100</i>	<i>1000</i>	<i>0</i>	<i>103</i>	<i>75-125</i>	<i>0</i>			

MSD		Sample ID: 0708072-01AMSD			Units: µg/L			Analysis Date: 08/08/07 15:00		
Client ID:		Run ID: VOA2_070808B			SeqNo: 1186517	Prep Date:		DF: 20		
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethane	918	100	1000	0	91.8	76-120	936.9	2.05	20	
1,1-Dichloroethene	786.1	100	1000	0	78.6	73-124	784	0.258	20	
1,2-Dichloroethane	975	100	1000	0	97.5	78-120	970.3	0.485	20	
cis-1,2-Dichloroethene	1039	100	1000	0	104	78-120	1050	0.997	20	
Tetrachloroethene	732.2	100	1000	0	73.2	79-120	758.4	3.51	20	S
Trichloroethene	845.5	100	1000	0	84.5	80-120	847.7	0.26	20	
Vinyl chloride	754.5	40	1000	0	75.4	74-122	739.8	1.97	20	
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>1040</i>	<i>100</i>	<i>1000</i>	<i>0</i>	<i>104</i>	<i>70-125</i>	<i>1067</i>	<i>2.55</i>	<i>20</i>	
<i>Surr: 4-Bromofluorobenzene</i>	<i>987.7</i>	<i>100</i>	<i>1000</i>	<i>0</i>	<i>98.8</i>	<i>72-125</i>	<i>1026</i>	<i>3.76</i>	<i>20</i>	
<i>Surr: Dibromofluoromethane</i>	<i>1068</i>	<i>100</i>	<i>1000</i>	<i>0</i>	<i>107</i>	<i>71-125</i>	<i>1081</i>	<i>1.15</i>	<i>20</i>	
<i>Surr: Toluene-d8</i>	<i>1009</i>	<i>100</i>	<i>1000</i>	<i>0</i>	<i>101</i>	<i>75-125</i>	<i>1029</i>	<i>2.02</i>	<i>20</i>	

The following samples were analyzed in this batch:

0708117-05A	0708117-08A	0708117-09A
0708117-10A	0708117-12A	0708117-13A

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: 0708117
Project: Silber Road Project

QC BATCH REPORT

Batch ID: **R53226** Instrument ID **VOA2** Method: **SW8260**

MBLK Sample ID: **VBLKW-080907** Units: **µg/L** Analysis Date: **08/09/07 11:38**

Client ID: Run ID: **VOA2_070809A** SeqNo: **1187246** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	U	5.0								
<i>Surr: 1,2-Dichloroethane-d4</i>	54.75	5.0	50	0	110	70-125	0			
<i>Surr: 4-Bromofluorobenzene</i>	46.23	5.0	50	0	92.5	72-125	0			
<i>Surr: Dibromofluoromethane</i>	55.6	5.0	50	0	111	71-125	0			
<i>Surr: Toluene-d8</i>	50.86	5.0	50	0	102	75-125	0			

LCS Sample ID: **VLCSW-080907** Units: **µg/L** Analysis Date: **08/09/07 10:49**

Client ID: Run ID: **VOA2_070809A** SeqNo: **1187245** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	44.78	5.0	50	0	89.6	73-124	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	49.13	5.0	50	0	98.3	70-125	0			
<i>Surr: 4-Bromofluorobenzene</i>	49.82	5.0	50	0	99.6	72-125	0			
<i>Surr: Dibromofluoromethane</i>	51.84	5.0	50	0	104	71-125	0			
<i>Surr: Toluene-d8</i>	50.88	5.0	50	0	102	75-125	0			

MS Sample ID: **0708171-33AMS** Units: **µg/L** Analysis Date: **08/09/07 14:52**

Client ID: Run ID: **VOA2_070809A** SeqNo: **1187252** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	35.82	5.0	50	0	71.6	73-124	0			S
<i>Surr: 1,2-Dichloroethane-d4</i>	52.09	5.0	50	0	104	70-125	0			
<i>Surr: 4-Bromofluorobenzene</i>	49.26	5.0	50	0	98.5	72-125	0			
<i>Surr: Dibromofluoromethane</i>	53.72	5.0	50	0	107	71-125	0			
<i>Surr: Toluene-d8</i>	50.34	5.0	50	0	101	75-125	0			

MSD Sample ID: **0708171-33AMSD** Units: **µg/L** Analysis Date: **08/09/07 15:16**

Client ID: Run ID: **VOA2_070809A** SeqNo: **1187253** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	39.49	5.0	50	0	79	73-124	35.82	9.76	20	
<i>Surr: 1,2-Dichloroethane-d4</i>	52.55	5.0	50	0	105	70-125	52.09	0.886	20	
<i>Surr: 4-Bromofluorobenzene</i>	49.99	5.0	50	0	100	72-125	49.26	1.47	20	
<i>Surr: Dibromofluoromethane</i>	53.28	5.0	50	0	107	71-125	53.72	0.82	20	
<i>Surr: Toluene-d8</i>	50.59	5.0	50	0	101	75-125	50.34	0.486	20	

The following samples were analyzed in this batch: 0708117-09A

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: 0708117
Project: Silber Road Project

QC BATCH REPORT

Batch ID: **R53521** Instrument ID **VOA2** Method: **SW8260**

MBLK		Sample ID: VBLKW-081707			Units: µg/L			Analysis Date: 08/17/07 11:31		
Client ID:		Run ID: VOA2_070817A		SeqNo: 1192418	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								
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>48.29</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>96.6</i>	<i>70-125</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>44.95</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>89.9</i>	<i>72-125</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>48.41</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>96.8</i>	<i>71-125</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>47.93</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>95.9</i>	<i>75-125</i>	<i>0</i>			

LCS		Sample ID: VLCSW-081707			Units: µg/L			Analysis Date: 08/17/07 10:42		
Client ID:		Run ID: VOA2_070817A		SeqNo: 1192417	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	45.96	5.0	50	0	91.9	76-120	0			
1,1-Dichloroethene	44.32	5.0	50	0	88.6	73-124	0			
1,2-Dichloroethane	48.63	5.0	50	0	97.3	78-120	0			
cis-1,2-Dichloroethene	49.62	5.0	50	0	99.2	78-120	0			
Tetrachloroethene	45.03	5.0	50	0	90.1	79-120	0			
Trichloroethene	46.99	5.0	50	0	94	80-120	0			
Vinyl chloride	45.08	2.0	50	0	90.2	74-122	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>42.87</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>85.7</i>	<i>70-125</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>48.16</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>96.3</i>	<i>72-125</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>45.44</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>90.9</i>	<i>71-125</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>48.19</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>96.4</i>	<i>75-125</i>	<i>0</i>			

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: 0708117
Project: Silber Road Project

QC BATCH REPORT

Batch ID: **R53521** Instrument ID **VOA2** Method: **SW8260**

MS Sample ID: **0708117-15AMS** Units: **µg/L** Analysis Date: **08/17/07 14:45**

Client ID: **MW-96** Run ID: **VOA2_070817A** SeqNo: **1192426** 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	50.32	5.0	50	1.224	98.2	76-120	0			
1,1-Dichloroethene	60.38	5.0	50	17.8	85.2	73-124	0			
1,2-Dichloroethane	53.55	5.0	50	0	107	78-120	0			
cis-1,2-Dichloroethene	52.76	5.0	50	0	106	78-120	0			
Tetrachloroethene	47.45	5.0	50	0	94.9	79-120	0			
Trichloroethene	49.36	5.0	50	0	98.7	80-120	0			
Vinyl chloride	44.7	2.0	50	0	89.4	74-122	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	45.14	5.0	50	0	90.3	70-125	0			
<i>Surr: 4-Bromofluorobenzene</i>	48.72	5.0	50	0	97.4	72-125	0			
<i>Surr: Dibromofluoromethane</i>	46.71	5.0	50	0	93.4	71-125	0			
<i>Surr: Toluene-d8</i>	48.11	5.0	50	0	96.2	75-125	0			

MSD Sample ID: **0708117-15AMSD** Units: **µg/L** Analysis Date: **08/17/07 15:09**

Client ID: **MW-96** Run ID: **VOA2_070817A** SeqNo: **1192427** 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	48.35	5.0	50	1.224	94.3	76-120	50.32	3.98	20	
1,1-Dichloroethene	55.16	5.0	50	17.8	74.7	73-124	60.38	9.03	20	
1,2-Dichloroethane	51.51	5.0	50	0	103	78-120	53.55	3.88	20	
cis-1,2-Dichloroethene	50.58	5.0	50	0	101	78-120	52.76	4.21	20	
Tetrachloroethene	41.51	5.0	50	0	83	79-120	47.45	13.4	20	
Trichloroethene	46.61	5.0	50	0	93.2	80-120	49.36	5.74	20	
Vinyl chloride	41.85	2.0	50	0	83.7	74-122	44.7	6.59	20	
<i>Surr: 1,2-Dichloroethane-d4</i>	44.13	5.0	50	0	88.3	70-125	45.14	2.26	20	
<i>Surr: 4-Bromofluorobenzene</i>	48.03	5.0	50	0	96.1	72-125	48.72	1.42	20	
<i>Surr: Dibromofluoromethane</i>	45.7	5.0	50	0	91.4	71-125	46.71	2.17	20	
<i>Surr: Toluene-d8</i>	47.48	5.0	50	0	95	75-125	48.11	1.32	20	

The following samples were analyzed in this batch:

0708117-15A

- | | | |
|---|---|---|
| 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 |



e-Lab Analytical, Inc.
 10450 Stancliff Rd. #210
 Houston, Texas 77099
 (Tel) 281.530.5656
 (Fax) 281.530.5887

Chain of Custody Form

Page _____ of _____

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																
Purchaser/Order #	Project Name	Project Number	Project Manager	Project Name	Project Number	Project Manager	Parameter/Method Request for Analysis	VOC (8260) Select																
Company Name	Bill To Company	Invoice #	Company Address	ERM Southwest, Inc.	ERM Southwest, Inc.	ERM Southwest, Inc.																		
Send Report To	Invoice #	Address	City/State/Zip	Marcel St. Marie	Marcel St. Marie	Marcel St. Marie																		
Address	Address	Address	Address	15810 Park Ten Place	15810 Park Ten Place	15810 Park Ten Place																		
City/State/Zip	City/State/Zip	City/State/Zip	City/State/Zip	Suite 300	Suite 300	Suite 300																		
Phone	Phone	Phone	Phone	Houston, TX 77084	Houston, TX 77084	Houston, TX 77084																		
FAX	FAX	FAX	FAX	(281) 600-1074	(281) 600-1074	(281) 600-1074																		
E-Mail Address	E-Mail Address	E-Mail Address	E-Mail Address	(281) 600-1001	(281) 600-1001	(281) 600-1001																		
No.	Sample Description	Date	Time	Matrix	Prep	Bottles	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Field	
1	MW-132	7/31/07	9:30	H2O		1	X																	
2	MW-70	7/31/07	1635	H2O		1	X																	
3	MW-138	8/1/07	9:20	H2O		1	X																	
4	MW-146	8/1/07	1035	H2O		1	X																	
5	MW-9B	8/1/07	1130	H2O		1	X																	
6	MW-135	8/1/07	1285	H2O		1	X																	
7	MW-136	8/1/07	1340	H2O		1	X																	
8	MW-134	8/1/07	1445	H2O		1	X																	
9	MW-140	8/1/07	1545	H2O		1	X																	
10	FB-050107	8/1/07	1710	H2O		1	X																	

Sample(s) Please Print & Sign: _____
 Date: 8/3/07
 Time: 1320
 Shipment Method: _____
 Required turnaround time: _____
 e-Lab Analytical: _____
 Other: _____
 Results Due Date: _____

Requisitioned by: _____
 Date: 8/3/07
 Time: 1320
 Received by: _____
 Date: 8/3/07
 Time: 1320
 Checked by (Laboratory): _____
 Date: 8/3/07
 Time: 1320

Representative Key: _____
 Date: 8/3/07
 Time: 1320
 Checked by (Laboratory): _____
 Date: 8/3/07
 Time: 1320

Notes: 10 Day TAT. All samples will be analyzed for List B
 08/03/07
 10 Day TAT. All samples will be analyzed for List B
 08/03/07
 10 Day TAT. All samples will be analyzed for List B
 08/03/07
 10 Day TAT. All samples will be analyzed for List B

QC Package: (Check One Box Below)
 Level II Std QC
 Level III Std QC/Raw Data
 Level IV SWB46/CLP
 Other

TRRP Checklist
 TRRP Level I
 TRRP Level II
 TRRP Level III
 TRRP Level IV

Note: 1. Any changes must be made in writing once samples and CQC 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.

Copyright 2004 by e-Lab Analytical, Inc.

Sample Receipt Checklist

Client Name: ERMSW-HOU

Date/Time Received: 8/3/2007 1:20:00 PM

Work Order Number 0708117

Received by: PS

Checklist completed by [Signature] 8/6/07
Signature Date

Reviewed by [Initials] 8/7/07
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): 3.6c | 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: Trip blank not on COC; logged in without analysis. Trip also received in single cooler that hosted two separate projects; trip blank split between both jobs.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____



e-Lab Analytical, Inc.
 10450 Stanchiff Rd. #210
 Houston, Texas 77099
 (Tel) 281.590.5656
 (Fax) 281.590.5887

Chain of Custody Form

Page _____ of _____

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 _____ Work Order _____ Company Name ERM Southwest, Inc. Send Report to Marcel St. Marie 15810 Park Ten Place Suite 300 Houston, TX 77084 (281) 600-1074 (281) 600-1001 E-Mail Address _____				Project Name Silber Road Project Project Number 0014607 Bill To Company ERM Southwest, Inc. Invoice Attn Marcel St. Marie 15810 Park Ten Place Suite 300 Houston, TX 77084 (281) 600-1074 (281) 600-1001 E-Mail Address _____				VOC (8260) Select <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> P <input type="checkbox"/> Q <input type="checkbox"/> R <input type="checkbox"/> S <input type="checkbox"/> T <input type="checkbox"/> U <input type="checkbox"/> V <input type="checkbox"/> W <input type="checkbox"/> X <input type="checkbox"/> Y <input type="checkbox"/> Z											
Sample Description MW-93 MW-125				Required Turnaround Time (Check Box) <input checked="" type="checkbox"/> 10 Wk Days <input type="checkbox"/> 15 Wk Days <input type="checkbox"/> 20 Wk Days <input type="checkbox"/> 25 Wk Days <input type="checkbox"/> 30 Wk Days <input type="checkbox"/> 35 Wk Days <input type="checkbox"/> 40 Wk Days <input type="checkbox"/> 45 Wk Days <input type="checkbox"/> 50 Wk Days <input type="checkbox"/> 55 Wk Days <input type="checkbox"/> 60 Wk Days <input type="checkbox"/> 65 Wk Days <input type="checkbox"/> 70 Wk Days <input type="checkbox"/> 75 Wk Days <input type="checkbox"/> 80 Wk Days <input type="checkbox"/> 85 Wk Days <input type="checkbox"/> 90 Wk Days <input type="checkbox"/> 95 Wk Days <input type="checkbox"/> 100 Wk Days				Results Due Date: <input type="checkbox"/> Level II Std OC <input checked="" type="checkbox"/> TRRP Check List <input type="checkbox"/> Level III Std CC/RAW Data <input type="checkbox"/> TRRP Level IV <input type="checkbox"/> Level IV SWR46/CLP <input type="checkbox"/> Other											
Received by: _____ Received by (Laboratory): _____ Checked by (Laboratory): _____ Signature Key: _____				Shipment Method _____ Time: 1430 Date: 8-6-07				Notes: 10 Day TAT. All samples will be analyzed for List B e-Lab Analytical, Inc. (Cooler Item #) _____ (Cap ID) _____ QC Package: (Check One Box Below)											

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

Sample Receipt Checklist

Client Name: ERMSW-HOU

Date/Time Received: 8/6/2007 2:30:00 PM

Work Order Number 0708117

Received by: RSZ

Checklist completed by [Signature] 8/6/07
Signature Date

Reviewed by [Signature] 8/6/07
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): 2.1c 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: Trip blank not on COC; logged in without analysis.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Attachment 2-2

Data Usability Summary and Laboratory Report (0708118) Third Quarter Ground Water Sampling Event

Former Cameron Iron Works Facility
Houston, Texas

Environmental Resources Management (ERM) reviewed a laboratory analytical data package (0708118) from e-Lab Analytical, Inc. of Houston, Texas for the analysis of seven ground water samples collected on August 2, 2007 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 downgradient of the facility as a response action triggered by the April 2007 results.

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)

The 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

Seven ground water samples including one duplicate ground water sample, and one field blank were provided to the laboratory for analysis. Eight samples were analyzed for seven volatile organic compounds (VOCs) (1,1-dichloroethene, 1,1-dichloroethane, 1,2-dichloroethane, cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride). One 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

The sample data are 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. Qualified sample data are listed in Table 2.

Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody. The samples were received in the appropriate containers and in good condition with the paperwork properly completed. Sample receipt temperatures were within the acceptance criteria of 4 ± 2 °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 blanks and the field blanks.

Surrogate Recoveries

VOC sample surrogate recoveries were within the TRRP defined acceptance 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 TRRP defined acceptance limits for VOCs.

Matrix Spike/Matrix Spike Duplicates

Batch R53324 matrix spike/matrix spike duplicate (MS/MSD) recoveries were below the TRRP defined acceptance limits for 1,1-Dichloroethene. Samples in preparation batch were qualified as estimated bias low (JL) for results reported as detected and *Not Detected* estimated (UJ) for results reported as *Not Detected*.

VOC analysis batches R53171, R53178, and R53226 were not project related and therefore were not assessed.

Field Precision

One field duplicate sample was collected during this sampling event (MW-143/Dup-1).

Sample MW- 143 and duplicate sample Dup-1 were reported as *Not Detected* for the analyzed VOCs; therefore the field precision assessment was not completed.

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.

Qualifiers were added to the original data sheets by applying the most stringent qualifier assigned during the data usability process. When a compound had more than one qualifier assigned due to multiple reasons for qualification (MS/MSD, LCS, surrogates, etc.), the most stringent qualifier was applied to the original data sheets. For example, if benzene were assigned a J flag for calibration and a JL flag for low MS recovery during the review process, a JL flag would have been written on the original laboratory data sheets.

TABLE 2-2-1

Cross Reference Field Sample Identifications and Laboratory Identifications
Third Quarter Ground Water Sampling Event

Former Cameron Iron Works Facility
Houston, Texas

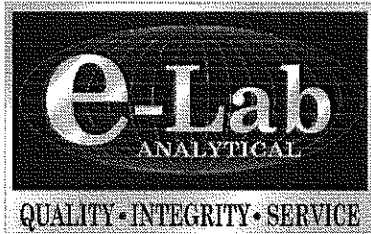
Field ID	Laboratory ID
0708118-01	MW-79
0708118-02	MW-126
0708118-03	MW-141
0708118-04	MW-142
0708118-05	MW-143
0708118-06	MW-147
0708118-07	Dup-1
0708118-08	FB080207
0708118-09	Trip Blank

TABLE 2-2-2

Qualified Analytical Data
Third Quarter Ground Water Sampling Event

Former Cameron Iron Works Facility
Houston, Texas

Field Identification	Analyte	Qualification	Reason for Qualification
DUP-1	1,1-dichloroethene	UJ	MS/MSD below QC limits
FB080207	1,1-dichloroethene	UJ	MS/MSD below QC limits
Notes: J = Estimated value U = <i>Not Detected</i>			



e-Lab Analytical, Inc.

10450 Stanciff Rd, Suite 210 Houston, Texas 77099-4338 (281) 530-5656 Fax (281) 530-5887

August 14, 2007

Marcel St. Marie
ERM Southwest, Inc.
15810 Park Ten Place
Suite 300
Houston, TX 77084

Tel: (281) 600-1130
Fax: (281) 600-1001

Re: Silber Rd

Work Order : **0708118**

Dear Marcel St. Marie,

e-Lab Analytical, Inc. received 9 samples on 8/3/2007 09:40 AM 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 24.

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

Sincerely,

Lora Terrill

Electronically approved by: Rebecca L. Hunt

Lora Terrill
VP Lab Operations



Certificate No: T104704231-06-TX

CLIENT: ERM Southwest, Inc.
Project: Silber Rd
Work Order: 0708118

**TRRP Laboratory Data
Package Cover Page**

This data package consists of all or some of the following as applicable:

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.

Lora Terrill

Lora Terrill

VP Lab Operations

Laboratory Review Checklist: Reportable Data							
Laboratory Name: e-Lab Analytical, Inc.			LRC Date: 08/14/2007				
Project Name: SILBER RD. PROJECT			Laboratory Job Number: 0708118				
Reviewer Name: Lora Terrill			Prep Batch Number(s): R53171, R53178, R53226, R53324				
# 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			1
		4) Were MS/MSD RPDs within laboratory QC limits?		X			1
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: 08/14/2007				
Project Name: SILBER RD. PROJECT			Laboratory Job Number: 0708118				
Reviewer Name: Lora Terrill			Prep Batch Number(s): R53171, R53178, R53226, R53324				
# 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: 08/14/2007
Project Name: SILBER RD. PROJECT	Laboratory Job Number: 0708118
Reviewer Name: Lora Terrill	Prep Batch Number(s): R53171, R53178, R53226, R53324
ER # ¹	DESCRIPTION
1	Batches R53171, R53178, and R53226 for Volatiles MS/MSDs or MS/MSD RPD are unrelated samples. Batch R53324 Volatiles (Sample Dup-1) MS/MSD Recoveries below control limits for 1,1-Dichloroethane. Als MSD below control limit for Vinyl chloride. RPDs in control.

- 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: Silber Rd
Work Order: 0708118

Work Order Sample Summary

<u>Lab Samp 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>
0708118-01	MW-79	Water		8/2/2007 13:43	8/3/2007 09:40	<input type="checkbox"/>
0708118-02	MW-126	Water		8/2/2007 15:44	8/3/2007 09:40	<input type="checkbox"/>
0708118-03	MW-141	Water		8/2/2007 10:09	8/3/2007 09:40	<input type="checkbox"/>
0708118-04	MW-142	Water		8/2/2007 11:54	8/3/2007 09:40	<input type="checkbox"/>
0708118-05	MW-143	Water		8/2/2007 14:38	8/3/2007 09:40	<input type="checkbox"/>
0708118-06	MW-147	Water		8/2/2007 09:13	8/3/2007 09:40	<input type="checkbox"/>
0708118-07	Dup-1	Water		8/2/2007 12:00	8/3/2007 09:40	<input type="checkbox"/>
0708118-08	FB080207	Water		8/2/2007 16:45	8/3/2007 09:40	<input type="checkbox"/>
0708118-09	Trip Blank	Water		8/2/2007 16:45	8/3/2007 09:40	<input type="checkbox"/>

e-Lab Analytical, Inc.

Date: August 14, 2007

CLIENT: ERM Southwest, Inc.
 Work Order: 0708118
 Project: Silber Rd
 Lab ID: 0708118-01

Client Sample ID: MW-79
 Collection Date: 8/2/2007 1:43:00 PM
 Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260				Analyst: PC
1,1-Dichloroethane		U	0.00050	0.0050	mg/L	1	8/8/2007
1,1-Dichloroethene	0.0050		0.00060	0.0050	mg/L	1	8/8/2007
1,2-Dichloroethane		U	0.00050	0.0050	mg/L	1	8/8/2007
cis-1,2-Dichloroethene		U	0.00050	0.0050	mg/L	1	8/8/2007
Tetrachloroethene		U	0.00050	0.0050	mg/L	1	8/8/2007
Trichloroethene		U	0.00070	0.0050	mg/L	1	8/8/2007
Vinyl chloride		U	0.00060	0.0020	mg/L	1	8/8/2007
Surr: 1,2-Dichloroethane-d4	111			70-125	%REC	1	8/8/2007
Surr: 4-Bromofluorobenzene	89.2			72-125	%REC	1	8/8/2007
Surr: Dibromofluoromethane	110			71-125	%REC	1	8/8/2007
Surr: Toluene-d8	97.1			75-125	%REC	1	8/8/2007

Qualifiers: U - Analyzed for but Not Detected S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits P - Dual Column results RPD > 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

e-Lab Analytical, Inc.

Date: August 14, 2007

CLIENT: ERM Southwest, Inc.
Work Order: 0708118
Project: Silber Rd
Lab ID: 0708118-02

Client Sample ID: MW-126
Collection Date: 8/2/2007 3:44:00 PM
Matrix: WATER

Analyses	Result	Qual	SDL	MLL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260			Analyst: PC	
1,1-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/8/2007
1,1-Dichloroethene	U		0.00060	0.0050	mg/L	1	8/8/2007
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/8/2007
cis-1,2-Dichloroethene	U		0.00050	0.0050	mg/L	1	8/8/2007
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	8/8/2007
Trichloroethene	U		0.00070	0.0050	mg/L	1	8/8/2007
Vinyl chloride	U		0.00060	0.0020	mg/L	1	8/8/2007
Surr: 1,2-Dichloroethane-d4	117			70-125	%REC	1	8/8/2007
Surr: 4-Bromofluorobenzene	93.0			72-125	%REC	1	8/8/2007
Surr: Dibromofluoromethane	115			71-125	%REC	1	8/8/2007
Surr: Toluene-d8	102			75-125	%REC	1	8/8/2007

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 RPD > 40%

E - Value above quantitation range

H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: August 14, 2007

CLIENT: ERM Southwest, Inc.
 Work Order: 0708118
 Project: Silber Rd
 Lab ID: 0708118-03

Client Sample ID: MW-141
 Collection Date: 8/2/2007 10:09:00 AM
 Matrix: WATER

Analyses	Result	Qual	SDL	SQL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260			Analyst: PC	
1,1-Dichloroethane	0.022		0.00050	0.0050	mg/L	1	8/8/2007
1,1-Dichloroethene	0.52		0.0060	0.050	mg/L	10	8/9/2007
1,2-Dichloroethane	0.00089	J	0.00050	0.0050	mg/L	1	8/8/2007
cis-1,2-Dichloroethene	0.0021	J	0.00050	0.0050	mg/L	1	8/8/2007
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	8/8/2007
Trichloroethene	U		0.00070	0.0050	mg/L	1	8/8/2007
Vinyl chloride	0.0021		0.00060	0.0020	mg/L	1	8/8/2007
Surr: 1,2-Dichloroethane-d4	101			70-125	%REC	1	8/8/2007
Surr: 1,2-Dichloroethane-d4	111			70-125	%REC	10	8/9/2007
Surr: 4-Bromofluorobenzene	102			72-125	%REC	1	8/8/2007
Surr: 4-Bromofluorobenzene	91.8			72-125	%REC	10	8/9/2007
Surr: Dibromofluoromethane	107			71-125	%REC	1	8/8/2007
Surr: Dibromofluoromethane	111			71-125	%REC	10	8/9/2007
Surr: Toluene-d8	101			75-125	%REC	1	8/8/2007
Surr: Toluene-d8	101			75-125	%REC	10	8/9/2007

Qualifiers: U - Analyzed for but Not Detected S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits P - Dual Column results RPD > 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

e-Lab Analytical, Inc.

Date: August 14, 2007

CLIENT: ERM Southwest, Inc.
Work Order: 0708118
Project: Silber Rd
Lab ID: 0708118-04

Client Sample ID: MW-142
Collection Date: 8/2/2007 11:54:00 AM
Matrix: WATER

Analyses	Result	Qual	SDL	ML	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260			Analyst: PC	
1,1-Dichloroethane	0.0052		0.00050	0.0050	mg/L	1	8/8/2007
1,1-Dichloroethene	0.15		0.00060	0.0050	mg/L	1	8/8/2007
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/8/2007
cis-1,2-Dichloroethene	0.00057	J	0.00050	0.0050	mg/L	1	8/8/2007
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	8/8/2007
Trichloroethene	U		0.00070	0.0050	mg/L	1	8/8/2007
Vinyl chloride	U		0.00060	0.0020	mg/L	1	8/8/2007
Surr: 1,2-Dichloroethane-d4	118			70-125	%REC	1	8/8/2007
Surr: 4-Bromofluorobenzene	93.9			72-125	%REC	1	8/8/2007
Surr: Dibromofluoromethane	116			71-125	%REC	1	8/8/2007
Surr: Toluene-d8	103			75-125	%REC	1	8/8/2007

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 RPD > 40%
 E - Value above quantitation range
 H - Analyzed outside of Hold Time

e-Lab Analytical, Inc.

Date: August 14, 2007

CLIENT: ERM Southwest, Inc.

Client Sample ID: MW-143

Work Order: 0708118

Collection Date: 8/2/2007 2:38:00 PM

Project: Silber Rd

Lab ID: 0708118-05

Matrix: WATER

Analyses	Result	Qual	SDL	MLL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260			Analyst: PC	
1,1-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/8/2007
1,1-Dichloroethene	U		0.00060	0.0050	mg/L	1	8/8/2007
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/8/2007
cis-1,2-Dichloroethene	U		0.00050	0.0050	mg/L	1	8/8/2007
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	8/8/2007
Trichloroethene	U		0.00070	0.0050	mg/L	1	8/8/2007
Vinyl chloride	U		0.00060	0.0020	mg/L	1	8/8/2007
Surr: 1,2-Dichloroethane-d4	111			70-125	%REC	1	8/8/2007
Surr: 4-Bromofluorobenzene	91.2			72-125	%REC	1	8/8/2007
Surr: Dibromofluoromethane	111			71-125	%REC	1	8/8/2007
Surr: Toluene-d8	99.3			75-125	%REC	1	8/8/2007

Qualifiers: U - Analyzed for but Not Detected

S - Spike Recovery outside accepted recovery limits

I - Analyte detected below quantitation limits

P - Dual Column results RPD > 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

e-Lab Analytical, Inc.

Date: August 14, 2007

CLIENT: ERM Southwest, Inc.
Work Order: 0708118
Project: Silber Rd
Lab ID: 0708118-06

Client Sample ID: MW-147
Collection Date: 8/2/2007 9:13:00 AM
Matrix: WATER

Analyses	Result	Qual	SDL	MLL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260				Analyst: PC
1,1-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/8/2007
1,1-Dichloroethene	U		0.00060	0.0050	mg/L	1	8/8/2007
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/8/2007
cis-1,2-Dichloroethene	U		0.00050	0.0050	mg/L	1	8/8/2007
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	8/8/2007
Trichloroethene	U		0.00070	0.0050	mg/L	1	8/8/2007
Vinyl chloride	U		0.00060	0.0020	mg/L	1	8/8/2007
Surr: 1,2-Dichloroethane-d4	105			70-125	%REC	1	8/8/2007
Surr: 4-Bromofluorobenzene	103			72-125	%REC	1	8/8/2007
Surr: Dibromofluoromethane	108			71-125	%REC	1	8/8/2007
Surr: Toluene-d8	103			75-125	%REC	1	8/8/2007

Qualifiers: U - Analyzed for but Not Detected S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits P - Dual Column results RPD > 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

e-Lab Analytical, Inc.

Date: August 14, 2007

CLIENT: ERM Southwest, Inc.
Work Order: 0708118
Project: Silber Rd
Lab ID: 0708118-07

Client Sample ID: Dup-1
Collection Date: 8/2/2007 12:00:00 PM
Matrix: WATER

Analyses	Result	Qual	SDL	MLL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260				Analyst: PC
1,1-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/13/2007
1,1-Dichloroethene	U	UJ	0.00060	0.0050	mg/L	1	8/13/2007
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/13/2007
cis-1,2-Dichloroethene	U		0.00050	0.0050	mg/L	1	8/13/2007
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	8/13/2007
Trichloroethene	U		0.00070	0.0050	mg/L	1	8/13/2007
Vinyl chloride	U		0.00060	0.0020	mg/L	1	8/13/2007
Surr: 1,2-Dichloroethane-d4	101			70-125	%REC	1	8/13/2007
Surr: 4-Bromofluorobenzene	107			72-125	%REC	1	8/13/2007
Surr: Dibromofluoromethane	104			71-125	%REC	1	8/13/2007
Surr: Toluene-d8	107			75-125	%REC	1	8/13/2007

1/4
9/14/07

Qualifiers: U - Analyzed for but Not Detected S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits P - Dual Column results RPD > 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

e-Lab Analytical, Inc.

Date: August 14, 2007

CLIENT: ERM Southwest, Inc.
Work Order: 0708118
Project: Silber Rd
Lab ID: 0708118-08

Client Sample ID: FB080207
Collection Date: 8/2/2007 4:45:00 PM
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260				Analyst: PC
1,1-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/13/2007
1,1-Dichloroethene	U	u5	0.00060	0.0050	mg/L	1	8/13/2007
1,2-Dichloroethane	U		0.00050	0.0050	mg/L	1	8/13/2007
cis-1,2-Dichloroethene	U		0.00050	0.0050	mg/L	1	8/13/2007
Tetrachloroethene	U		0.00050	0.0050	mg/L	1	8/13/2007
Trichloroethene	U		0.00070	0.0050	mg/L	1	8/13/2007
Vinyl chloride	U		0.00060	0.0020	mg/L	1	8/13/2007
Surr: 1,2-Dichloroethane-d4	101			70-125	%REC	1	8/13/2007
Surr: 4-Bromofluorobenzene	103			72-125	%REC	1	8/13/2007
Surr: Dibromofluoromethane	101			71-125	%REC	1	8/13/2007
Surr: Toluene-d8	102			75-125	%REC	1	8/13/2007

4H
9/14/07

Qualifiers: U - Analyzed for but Not Detected S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits P - Dual Column results RPD > 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 14 2007

CLIENT: ERM Southwest, Inc.
 Work Order: 0708118
 Project: Silber Rd

QC BATCH REPORT

Batch ID: R53171 Instrument ID VOA2 Method: SW8260

MBLK		Sample ID: VBLKW-080807			Units: µg/L			Analysis Date: 08/08/07 11:46		
Client ID:		Run ID: VOA2_070808B			SeqNo: 1186514		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	54.39	5.0	50	0	109	70-125	0			
Surr: 4-Bromofluorobenzene	46.16	5.0	50	0	92.3	72-125	0			
Surr: Dibromofluoromethane	55.93	5.0	50	0	112	71-125	0			
Surr: Toluene-d8	50.21	5.0	50	0	100	75-125	0			

LCS		Sample ID: VLCSW-080807			Units: µg/L			Analysis Date: 08/08/07 10:58		
Client ID:		Run ID: VOA2_070808B			SeqNo: 1186513		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	48.21	5.0	50	0	96.4	76-120	0			
1,1-Dichloroethene	45.93	5.0	50	0	91.9	73-124	0			
1,2-Dichloroethane	47.56	5.0	50	0	95.1	78-120	0			
cis-1,2-Dichloroethene	54.29	5.0	50	0	109	78-120	0			
Tetrachloroethene	42.92	5.0	50	0	85.8	79-120	0			
Trichloroethene	46.27	5.0	50	0	92.5	80-120	0			
Vinyl chloride	44.4	2.0	50	0	88.8	74-122	0			
Surr: 1,2-Dichloroethane-d4	50.1	5.0	50	0	100	70-125	0			
Surr: 4-Bromofluorobenzene	48.93	5.0	50	0	97.9	72-125	0			
Surr: Dibromofluoromethane	52.61	5.0	50	0	105	71-125	0			
Surr: Toluene-d8	50.33	5.0	50	0	101	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: 0708118
Project: Silber Rd

QC BATCH REPORT

Batch ID: **R53171** Instrument ID **VOA2** Method: **SW8260**

MS		Sample ID: 0708072-01AMS			Units: µg/L			Analysis Date: 08/08/07 14:36		
Client ID:	Run ID: VOA2_070808B	SeqNo: 1186516	Prep Date:	DF: 20						
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethane	936.9	100	1000	0	93.7	76-120	0			
1,1-Dichloroethene	784	100	1000	0	78.4	73-124	0			
1,2-Dichloroethane	970.3	100	1000	0	97	78-120	0			
cis-1,2-Dichloroethene	1050	100	1000	0	105	78-120	0			
Tetrachloroethene	758.4	100	1000	0	75.8	79-120	0			S
Trichloroethene	847.7	100	1000	0	84.8	80-120	0			
Vinyl chloride	739.8	40	1000	0	74	74-122	0			S
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>1067</i>	<i>100</i>	<i>1000</i>	<i>0</i>	<i>107</i>	<i>70-125</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>1026</i>	<i>100</i>	<i>1000</i>	<i>0</i>	<i>103</i>	<i>72-125</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>1081</i>	<i>100</i>	<i>1000</i>	<i>0</i>	<i>108</i>	<i>71-125</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>1029</i>	<i>100</i>	<i>1000</i>	<i>0</i>	<i>103</i>	<i>75-125</i>	<i>0</i>			

MSD		Sample ID: 0708072-01AMSD			Units: µg/L			Analysis Date: 08/08/07 15:00		
Client ID:	Run ID: VOA2_070808B	SeqNo: 1186517	Prep Date:	DF: 20						
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethane	918	100	1000	0	91.8	76-120	936.9	2.05	20	
1,1-Dichloroethene	786.1	100	1000	0	78.6	73-124	784	0.258	20	
1,2-Dichloroethane	975	100	1000	0	97.5	78-120	970.3	0.485	20	
cis-1,2-Dichloroethene	1039	100	1000	0	104	78-120	1050	0.997	20	
Tetrachloroethene	732.2	100	1000	0	73.2	79-120	758.4	3.51	20	S
Trichloroethene	845.5	100	1000	0	84.5	80-120	847.7	0.26	20	
Vinyl chloride	754.5	40	1000	0	75.4	74-122	739.8	1.97	20	
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>1040</i>	<i>100</i>	<i>1000</i>	<i>0</i>	<i>104</i>	<i>70-125</i>	<i>1067</i>	<i>2.55</i>	<i>20</i>	
<i>Surr: 4-Bromofluorobenzene</i>	<i>987.7</i>	<i>100</i>	<i>1000</i>	<i>0</i>	<i>98.8</i>	<i>72-125</i>	<i>1026</i>	<i>3.76</i>	<i>20</i>	
<i>Surr: Dibromofluoromethane</i>	<i>1068</i>	<i>100</i>	<i>1000</i>	<i>0</i>	<i>107</i>	<i>71-125</i>	<i>1081</i>	<i>1.15</i>	<i>20</i>	
<i>Surr: Toluene-d8</i>	<i>1009</i>	<i>100</i>	<i>1000</i>	<i>0</i>	<i>101</i>	<i>75-125</i>	<i>1029</i>	<i>2.02</i>	<i>20</i>	

The following samples were analyzed in this batch:

0708118-01A	0708118-02A	0708118-04A
0708118-05A		

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: 0708118
Project: Silber Rd

QC BATCH REPORT

Batch ID: **R53178** Instrument ID **VOA1** Method: **SW8260**

MBLK		Sample ID: VBLKW-080807			Units: µg/L			Analysis Date: 08/08/07 12:24		
Client ID:		Run ID: VOA1_070808A		SeqNo: 1186605	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								
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>48.86</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>97.7</i>	<i>70-125</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.36</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>72-125</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>52.27</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>105</i>	<i>71-125</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>51.47</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>103</i>	<i>75-125</i>	<i>0</i>			

LCS		Sample ID: VLCSW-080807			Units: µg/L			Analysis Date: 08/08/07 11:08		
Client ID:		Run ID: VOA1_070808A		SeqNo: 1186604	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	53.63	5.0	50	0	107	76-120	0			
1,1-Dichloroethene	50.52	5.0	50	0	101	73-124	0			
1,2-Dichloroethane	52.09	5.0	50	0	104	78-120	0			
cis-1,2-Dichloroethene	52.87	5.0	50	0	106	78-120	0			
Tetrachloroethene	49	5.0	50	0	98	79-120	0			
Trichloroethene	50.05	5.0	50	0	100	80-120	0			
Vinyl chloride	52.55	2.0	50	0	105	74-122	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>52.95</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>106</i>	<i>70-125</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>51.87</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>104</i>	<i>72-125</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>53.88</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>108</i>	<i>71-125</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>51.93</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>104</i>	<i>75-125</i>	<i>0</i>			

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: 0708118
Project: Silber Rd

QC BATCH REPORT

Batch ID: **R53178** Instrument ID **VOA1** Method: **SW8260**

MS		Sample ID: 0708098-01AMS			Units: µg/L			Analysis Date: 08/08/07 15:24		
Client ID:		Run ID: VOA1_070808A			SeqNo: 1186608		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	48.82	5.0	50	0	97.6	76-120	0			
1,1-Dichloroethene	42.36	5.0	50	0	84.7	73-124	0			
1,2-Dichloroethane	53.09	5.0	50	0	106	78-120	0			
cis-1,2-Dichloroethene	49.99	5.0	50	0	100	78-120	0			
Tetrachloroethene	42.23	5.0	50	0	84.5	79-120	0			
Trichloroethene	44.08	5.0	50	0	88.2	80-120	0			
Vinyl chloride	40.74	2.0	50	0	81.5	74-122	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	52.12	5.0	50	0	104	70-125	0			
<i>Surr: 4-Bromofluorobenzene</i>	52.2	5.0	50	0	104	72-125	0			
<i>Surr: Dibromofluoromethane</i>	52.67	5.0	50	0	105	71-125	0			
<i>Surr: Toluene-d8</i>	50.75	5.0	50	0	102	75-125	0			

MSD		Sample ID: 0708098-01AMSD			Units: µg/L			Analysis Date: 08/08/07 15:49		
Client ID:		Run ID: VOA1_070808A			SeqNo: 1186609		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	49.49	5.0	50	0	99	76-120	48.82	1.36	20	
1,1-Dichloroethene	33.25	5.0	50	0	66.5	73-124	42.36	24.1	20	SR
1,2-Dichloroethane	53.26	5.0	50	0	107	78-120	53.09	0.322	20	
cis-1,2-Dichloroethene	48.31	5.0	50	0	96.6	78-120	49.99	3.41	20	
Tetrachloroethene	45.5	5.0	50	0	91	79-120	42.23	7.44	20	
Trichloroethene	45.09	5.0	50	0	90.2	80-120	44.08	2.26	20	
Vinyl chloride	42.98	2.0	50	0	86	74-122	40.74	5.34	20	
<i>Surr: 1,2-Dichloroethane-d4</i>	52.51	5.0	50	0	105	70-125	52.12	0.736	20	
<i>Surr: 4-Bromofluorobenzene</i>	53.19	5.0	50	0	106	72-125	52.2	1.88	20	
<i>Surr: Dibromofluoromethane</i>	52.4	5.0	50	0	105	71-125	52.67	0.508	20	
<i>Surr: Toluene-d8</i>	52.33	5.0	50	0	105	75-125	50.75	3.05	20	

The following samples were analyzed in this batch: 0708118-03A 0708118-06A

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: 0708118
Project: Silber Rd

QC BATCH REPORT

Batch ID: **R53226** Instrument ID **VOA2** Method: **SW8260**

MBLK		Sample ID: VBLKW-080907			Units: µg/L			Analysis Date: 08/09/07 11:38		
Client ID:		Run ID: VOA2_070809A		SeqNo: 1187246	Prep Date:		DF: 1			
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	U	5.0								
<i>Surr: 1,2-Dichloroethane-d4</i>	54.75	5.0	50	0	110	70-125	0			
<i>Surr: 4-Bromofluorobenzene</i>	46.23	5.0	50	0	92.5	72-125	0			
<i>Surr: Dibromofluoromethane</i>	55.6	5.0	50	0	111	71-125	0			
<i>Surr: Toluene-d8</i>	50.86	5.0	50	0	102	75-125	0			

LCS		Sample ID: VLCSW-080907			Units: µg/L			Analysis Date: 08/09/07 10:49		
Client ID:		Run ID: VOA2_070809A		SeqNo: 1187245	Prep Date:		DF: 1			
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	44.78	5.0	50	0	89.6	73-124	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	49.13	5.0	50	0	98.3	70-125	0			
<i>Surr: 4-Bromofluorobenzene</i>	49.82	5.0	50	0	99.6	72-125	0			
<i>Surr: Dibromofluoromethane</i>	51.84	5.0	50	0	104	71-125	0			
<i>Surr: Toluene-d8</i>	50.88	5.0	50	0	102	75-125	0			

MS		Sample ID: 0708171-33AMS			Units: µg/L			Analysis Date: 08/09/07 14:52		
Client ID:		Run ID: VOA2_070809A		SeqNo: 1187252	Prep Date:		DF: 1			
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	35.82	5.0	50	0	71.6	73-124	0			S
<i>Surr: 1,2-Dichloroethane-d4</i>	52.09	5.0	50	0	104	70-125	0			
<i>Surr: 4-Bromofluorobenzene</i>	49.26	5.0	50	0	98.5	72-125	0			
<i>Surr: Dibromofluoromethane</i>	53.72	5.0	50	0	107	71-125	0			
<i>Surr: Toluene-d8</i>	50.34	5.0	50	0	101	75-125	0			

MSD		Sample ID: 0708171-33AMSD			Units: µg/L			Analysis Date: 08/09/07 15:16		
Client ID:		Run ID: VOA2_070809A		SeqNo: 1187253	Prep Date:		DF: 1			
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	39.49	5.0	50	0	79	73-124	35.82	9.76	20	
<i>Surr: 1,2-Dichloroethane-d4</i>	52.55	5.0	50	0	105	70-125	52.09	0.886	20	
<i>Surr: 4-Bromofluorobenzene</i>	49.99	5.0	50	0	100	72-125	49.26	1.47	20	
<i>Surr: Dibromofluoromethane</i>	53.28	5.0	50	0	107	71-125	53.72	0.82	20	
<i>Surr: Toluene-d8</i>	50.59	5.0	50	0	101	75-125	50.34	0.486	20	

The following samples were analyzed in this batch: 0708118-03A

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: 0708118
Project: Silber Rd

QC BATCH REPORT

Batch ID: **R53324** Instrument ID **VOA1** Method: **SW8260**

MBLK		Sample ID: VBLKW-081307			Units: µg/L			Analysis Date: 08/13/07 11:53		
Client ID:		Run ID: VOA1_070813A		SeqNo: 1188667	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								
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>50.41</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>70-125</i>		<i>0</i>		
<i>Surr: 4-Bromofluorobenzene</i>	<i>52.07</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>104</i>	<i>72-125</i>		<i>0</i>		
<i>Surr: Dibromofluoromethane</i>	<i>52.56</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>105</i>	<i>71-125</i>		<i>0</i>		
<i>Surr: Toluene-d8</i>	<i>53.27</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>107</i>	<i>75-125</i>		<i>0</i>		

LCS		Sample ID: VLCSW-081307			Units: µg/L			Analysis Date: 08/13/07 11:01		
Client ID:		Run ID: VOA1_070813A		SeqNo: 1188666	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	50.43	5.0	50	0	101	76-120		0		
1,1-Dichloroethene	50.47	5.0	50	0	101	73-124		0		
1,2-Dichloroethane	52.18	5.0	50	0	104	78-120		0		
cis-1,2-Dichloroethene	49.8	5.0	50	0	99.6	78-120		0		
Tetrachloroethene	50.26	5.0	50	0	101	79-120		0		
Trichloroethene	48.8	5.0	50	0	97.6	80-120		0		
Vinyl chloride	48.18	2.0	50	0	96.4	74-122		0		
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>52.86</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>106</i>	<i>70-125</i>		<i>0</i>		
<i>Surr: 4-Bromofluorobenzene</i>	<i>52.3</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>105</i>	<i>72-125</i>		<i>0</i>		
<i>Surr: Dibromofluoromethane</i>	<i>53.6</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>107</i>	<i>71-125</i>		<i>0</i>		
<i>Surr: Toluene-d8</i>	<i>54.44</i>	<i>5.0</i>	<i>50</i>	<i>0</i>	<i>109</i>	<i>75-125</i>		<i>0</i>		

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: 0708118
 Project: Silber Rd

QC BATCH REPORT

Batch ID: **R53324** Instrument ID **VOA1** Method: **SW8260**

MS Sample ID: **0708118-07AMS** Units: **µg/L** Analysis Date: **08/13/07 16:59**

Client ID: **Dup-1** Run ID: **VOA1_070813A** SeqNo: **1188670** 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	48.99	5.0	50	0	98	76-120	0			
1,1-Dichloroethene	27.32	5.0	50	0	54.6	73-124	0			S
1,2-Dichloroethane	53.96	5.0	50	0	108	78-120	0			
cis-1,2-Dichloroethene	49.25	5.0	50	0	98.5	78-120	0			
Tetrachloroethene	43.43	5.0	50	0	86.9	79-120	0			
Trichloroethene	46.03	5.0	50	0	92.1	80-120	0			
Vinyl chloride	37.61	2.0	50	0	75.2	74-122	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	54.75	5.0	50	0	110	70-125	0			
<i>Surr: 4-Bromofluorobenzene</i>	51.87	5.0	50	0	104	72-125	0			
<i>Surr: Dibromofluoromethane</i>	52.87	5.0	50	0	106	71-125	0			
<i>Surr: Toluene-d8</i>	51.63	5.0	50	0	103	75-125	0			

MSD Sample ID: **0708118-07AMSD** Units: **µg/L** Analysis Date: **08/13/07 17:25**

Client ID: **Dup-1** Run ID: **VOA1_070813A** SeqNo: **1188671** 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	47.03	5.0	50	0	94.1	76-120	48.99	4.08	20	
1,1-Dichloroethene	25.46	5.0	50	0	50.9	73-124	27.32	7.04	20	S
1,2-Dichloroethane	52.71	5.0	50	0	105	78-120	53.96	2.34	20	
cis-1,2-Dichloroethene	49.43	5.0	50	0	98.9	78-120	49.25	0.36	20	
Tetrachloroethene	42.57	5.0	50	0	85.1	79-120	43.43	2.01	20	
Trichloroethene	43.96	5.0	50	0	87.9	80-120	46.03	4.59	20	
Vinyl chloride	36.75	2.0	50	0	73.5	74-122	37.61	2.31	20	S
<i>Surr: 1,2-Dichloroethane-d4</i>	53.72	5.0	50	0	107	70-125	54.75	1.9	20	
<i>Surr: 4-Bromofluorobenzene</i>	51.62	5.0	50	0	103	72-125	51.87	0.484	20	
<i>Surr: Dibromofluoromethane</i>	53.23	5.0	50	0	106	71-125	52.87	0.674	20	
<i>Surr: Toluene-d8</i>	51.87	5.0	50	0	104	75-125	51.63	0.451	20	

The following samples were analyzed in this batch:

0708118-07A	0708118-08A
-------------	-------------

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

Sample Receipt Checklist

Client Name: ERMSW-HOU

Date/Time Received: 8/3/2007 9:40:00 AM

Work Order Number 0708118

Received by: PS

Checklist completed by [Signature]
Signature

8.6.07
Date

Reviewed by [Initials] 8/6/07
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 COC not relinquished 8/6/07
- 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): 3.8c 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: Trip blank not on COC; logged in without analysis. Trip also received in single cooler that hosted two separate projects; trip blank split between both jobs.

Client contacted: _____ Date contacted: 8/7/07 Person contacted: Marcel

Contacted by: [Initials] Regarding: Analysis

Comments: Project is Silber Rd In Last B

Corrective Action _____

Attachment 2-3

Data Usability Summary and Laboratory Report (0708641) Third Quarter Ground Water Sampling Event

Former Cameron Iron Works Facility
Houston, Texas

Environmental Resources Management (ERM) reviewed a laboratory analytical data package (0708641) from e-Lab Analytical, Inc. of Houston, Texas for the analysis of one (1) ground water sample collected on August 28, 2007 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: Sampling was performed to confirm a reported concentration of trichloroethene (TCE) for the Third Quarter Sampling Event at MW-70.

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

Analyses requested included:

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

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

One (1) ground water sample was provided to the laboratory for analysis and was analyzed for TCE. Table 1 lists the sample identification cross-referenced to laboratory identification.

DATA REVIEW/VALIDATION RESULTS

Analytical Results

The sample data are reported in mg/L for ground water. *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 sample was evaluated for agreement with the chain-of-custody. The sample was received in the appropriate container and in good condition with the paperwork filled out properly. Sample receipt temperature (3.4 °C) was within the acceptance criteria of 4 ± 2 °C. The sample

was preserved in the field as specified in SW-846 Table 2-36. The sample was prepared and analyzed within holding time 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

TCE was reported as *Not Detected* in the method blank. Field blanks were not collected during this sampling event and trip blanks were not submitted with this laboratory package.

Surrogate Recoveries

Sample surrogate recoveries for TCE were within the TRRP defined acceptance limits.

Internal Standards

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

Laboratory Control Samples

The laboratory control sample recoveries for TCE met the TRRP defined acceptance limits for VOCs.

Matrix Spike/Matrix Spike Duplicates

Batch R53891 matrix spike/matrix spike duplicate (MS/MSD) recoveries were within the TRRP defined acceptance limits for VOCs.

Field Precision

Field duplicate samples were not collected during this sampling event.

Field Procedures

The samples were collected using documented sampling procedures.

SUMMARY

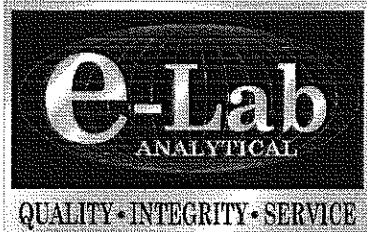
The data quality objectives and characteristics (i.e., representativeness, precision and accuracy, completeness, and comparability) for the project were met. Therefore, the ground water analytical data are useable for the purpose of providing current data on concentrations of chemicals of concern (COCs)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

TABLE 2-3-1

Qualified Analytical Data
Third Quarter Ground Water Sampling Event

Former Cameron Iron Works Facility
Houston, Texas

Field ID	Laboratory ID
0708641-01	MW-70



e-Lab Analytical, Inc.

10450 Stancliff Rd, Suite 210 Houston, Texas 77099-4338 (281) 530-5656 Fax (281) 530-5887

August 30, 2007

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

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

Re: Former Cameron Iron Works

Work Order : **0708641**

Dear Greg Wheeler,

e-Lab Analytical, Inc. received 1 sample on 8/29/2007 11:25 AM 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 11.

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

Sincerely,

Lora Terrill

Electronically approved by: Rebecca L. Hunt

Lora Terrill
VP Lab Operations



Certificate No: T104704231-06-TX

CLIENT: ERM Southwest, Inc.
Project: Former Cameron Iron Works
Work Order: 0708641

**TRRP Laboratory Data
Package Cover Page**

This data package consists of all or some of the following as applicable:

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 recovery 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.

Lora Terrill

Lora Terrill

VP Lab Operations

Laboratory Review Checklist: Reportable Data							
Laboratory Name: e-Lab Analytical, Inc.			LRC Date: 08/30/2007				
Project Name: Former Cameron Iron Works			Laboratory Job Number: 0708641				
Reviewer Name: Lora Terrill			Prep Batch Number(s): R53891				
# 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: 08/30/2007				
Project Name: Former Cameron Iron Works			Laboratory Job Number: 0708641				
Reviewer Name: Lora Terrill			Prep Batch Number(s): R53891				
# 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				

- 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.
- O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
- NA = Not applicable.
- NR = Not Reviewed.
- 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: 08/30/2007
Project Name: Former Cameron Iron Works	Laboratory Job Number: 0708641
Reviewer Name: Lora Terrill	Prep Batch Number(s): R53891
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)

e-Lab Analytical, Inc.

Date: *August 30, 2007*

CLIENT: ERM Southwest, Inc.
Project: Former Cameron Iron Works
Work Order: 0708641

Work Order Sample Summary

<u>Lab Samp 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>
0708641-01	MW-70	Water		8/28/2007 16:30	8/29/2007 11:25	<input type="checkbox"/>

e-Lab Analytical, Inc.

Date: August 30, 2007

CLIENT: ERM Southwest, Inc.
Work Order: 0708641
Project: Former Cameron Iron Works
Lab ID: 0708641-01

Client Sample ID: MW-70
Collection Date: 8/28/2007 4:30:00 PM
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
TCL VOLATILE ORGANICS			Method: SW8260			Analyst: PC	
Trichloroethene	0.0064		0.00070	0.0050	mg/L	1	8/29/2007
Surr: 1,2-Dichloroethane-d4	89.5			70-125	%REC	1	8/29/2007
Surr: 4-Bromofluorobenzene	98.7			72-125	%REC	1	8/29/2007
Surr: Dibromofluoromethane	96.3			71-125	%REC	1	8/29/2007
Surr: Toluene-d8	108			75-125	%REC	1	8/29/2007

Qualifiers:

U - Analyzed for but Not Detected	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	P - Dual Column results RPD > 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	Trichloroethene	79-01-6	0.0007	0.005
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 30 2007

CLIENT: ERM Southwest, Inc.

QC BATCH REPORT

Work Order: 0708641

Project: Former Cameron Iron Works

Batch ID: R53891 Instrument ID VOA1 Method: SW8260

MBLK		Sample ID: VBLKW-082907				Units: µg/L			Analysis Date: 08/29/07 18:48		
Client ID:		Run ID: VOA1_070829A			SeqNo: 1199986		Prep Date:		DF: 1		
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Trichloroethene	U	5.0									
Surr: 1,2-Dichloroethane-d4	43.99	5.0	50	0	88	70-125	0				
Surr: 4-Bromofluorobenzene	47.7	5.0	50	0	95.4	72-125	0				
Surr: Dibromofluoromethane	46.54	5.0	50	0	93.1	71-125	0				
Surr: Toluene-d8	51.31	5.0	50	0	103	75-125	0				

LCS		Sample ID: VLCSW-082907				Units: µg/L			Analysis Date: 08/29/07 17:58		
Client ID:		Run ID: VOA1_070829A			SeqNo: 1199985		Prep Date:		DF: 1		
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Trichloroethene	48.74	5.0	50	0	97.5	80-120	0				
Surr: 1,2-Dichloroethane-d4	44.87	5.0	50	0	89.7	70-125	0				
Surr: 4-Bromofluorobenzene	50.36	5.0	50	0	101	72-125	0				
Surr: Dibromofluoromethane	47.44	5.0	50	0	94.9	71-125	0				
Surr: Toluene-d8	52.76	5.0	50	0	106	75-125	0				

MS		Sample ID: 0708515-28AMS				Units: µg/L			Analysis Date: 08/29/07 20:04		
Client ID:		Run ID: VOA1_070829A			SeqNo: 1199988		Prep Date:		DF: 5		
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Trichloroethene	359.7	25	250	116.3	97.4	80-120	0				
Surr: 1,2-Dichloroethane-d4	228	25	250	0	91.2	70-125	0				
Surr: 4-Bromofluorobenzene	259.9	25	250	0	104	72-125	0				
Surr: Dibromofluoromethane	240.3	25	250	0	96.1	71-125	0				
Surr: Toluene-d8	266.4	25	250	0	107	75-125	0				

MSD		Sample ID: 0708515-28AMSD				Units: µg/L			Analysis Date: 08/29/07 20:29		
Client ID:		Run ID: VOA1_070829A			SeqNo: 1199989		Prep Date:		DF: 5		
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Trichloroethene	347.3	25	250	116.3	92.4	80-120	359.7	3.52	20		
Surr: 1,2-Dichloroethane-d4	221.1	25	250	0	88.4	70-125	228	3.11	20		
Surr: 4-Bromofluorobenzene	252.1	25	250	0	101	72-125	259.9	3.04	20		
Surr: Dibromofluoromethane	241	25	250	0	96.4	71-125	240.3	0.306	20		
Surr: Toluene-d8	262.7	25	250	0	105	75-125	266.4	1.4	20		

The following samples were analyzed in this batch: 0708641-01A

- 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

Sample Receipt Checklist

Client Name: ERMSW-HOU

Date/Time Received: 8/29/2007 11:25:00 AM

Work Order Number 0708641

Received by: RNG

Checklist completed by

RMBM
Signature

8/29/07
Date

Reviewed by

kt 8/29/07
Initials Date

Matrix: N

Carrier name: Client

- 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): 3.4c 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: No trip blank was received.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____